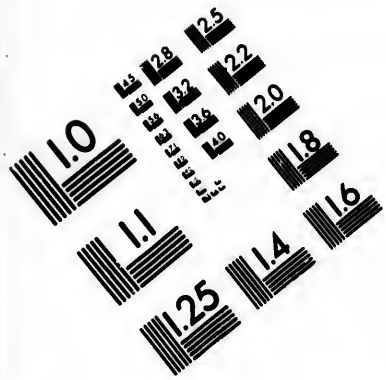

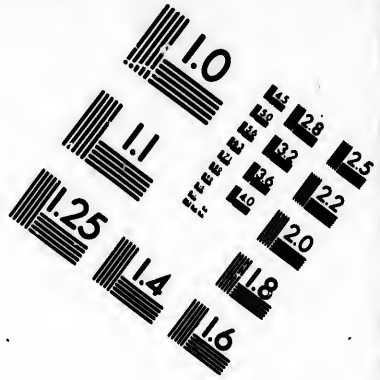

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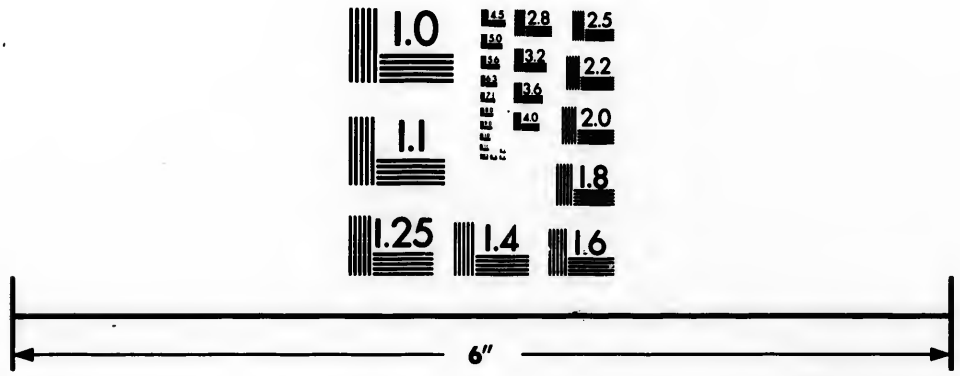

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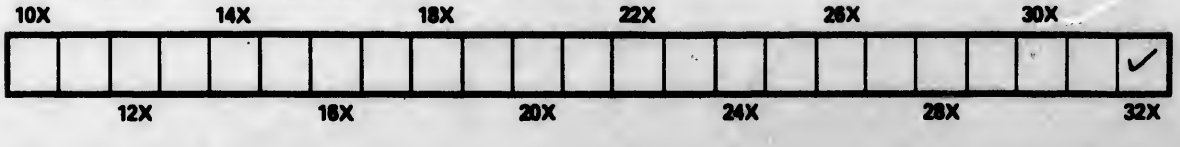

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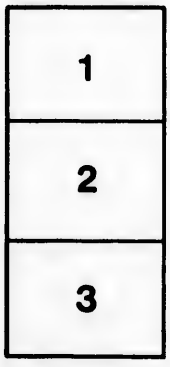

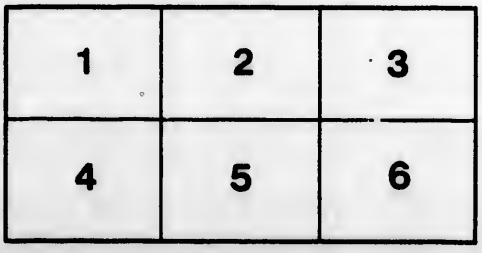

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MA

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS.

Presented by direction of the British Government,

to

Quebec College.

174

OBSERVATIONS

MADE AT THE

MAGNETICAL AND METEOROLOGICAL OBSERVATORY

AT

TORONTO IN CANADA.

PRINTED BY ORDER OF HER MAJESTY'S GOVERNMENT,

UNDER THE SUPERINTENDENCE OF

COLONEL EDWARD SABINE,
OF THE ROYAL ARTILLERY.

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1845

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ADJUSTMENTS, ABSTRACTS, AND COMMENTS.

MAGNETICAL INSTRUMENTS.

ADJUSTMENTS, ABSTRACTS, AND COMMENTS.

MAGNETIC DECLINATION.

Absolute Values.—In January 1845 a series of Observations was commenced at Toronto, for the purpose of determining the monthly values of the Declination by means of a Declinometer, placed in a detached building appropriated to that object only. The Declinometer was of the construction described in Captain Riddell's "Magnetical Instructions," page 15, having a collimator magnet of 3·85 inches in length. The Theodolite employed to measure the angle between the zero of the collimator scale and a fixed distant object (the west side of the lighthouse in the harbour of Toronto, distant 3½ miles nearly from the Observatory) was the original transit theodolite of the Observatory; it was placed in the same building with the Declinometer, but on a separate pedestal. The building was of wood, copper fastened, and was situated in the Observatory enclosure about 20 feet S.W. of the Observatory itself. Usually six determinations were made in each month, and at about the same part of the month. The centre wire of the telescope was made to coincide with the zero of the collimator scale at an instant previously arranged, so that an assistant might at the same instant note the scale reading of the Declinometer in the Observatory; by this means each independent determination became referable to the mean reading of the last-named instrument, *i.e.*, of the differential Declinometer, in the same month.

The astronomical bearing of the west side of the lighthouse from the Theodolite was ascertained by the mean of 16 determinations made at intervals in 1845, 1846, and 1847, to be S. 8° 36′ 7″ E.

The Declinometer Observations from January 1845 to December 1851 inclusive are given in detail in the latter part of this volume. An abstract of them is contained in the following Table:—

TABLE I.—*Monthly Determinations of the Declination from* 1845 *to* 1851, *inclusive.*

DATES.	Mean Observed Declination.	Mean Reading of the Observatory Declinometer.	Mean Monthly Reading of the Observatory Declinometer.	Differences $\alpha - \beta$.		Observed Declination reduced to the Mean Monthly Reading of the Observatory Declinometer.	
				Sc. Divisions.	Arc.		
1845.	° ′	α Sc. Div.	β Sc. Div.		′	° ′	
January . .	1 28·5	113·9	117·4	− 3·5	− 2·5	1 26·0 West.	January.
February .	1 26·7	114·4	117 6	− 3·2	− 2·3	1 24·4	February.
March . .	1 36·3	106·5	117·3	−10 8	− 7·8	1 28·5	March.
April . .	1 34·6	109·7	116·4	− 6·7	− 4·8	1 29·8	April.
May . . .	1 34·8	109·8	116·0	− 6·2	− 4·5	1 30 3	May.
June . .	1 32·6	111·0	115·7	− 4·7	− 3·4	1 29·2	June.
July . .	1 34·1	108·4	115·3	− 6·9	− 5·0	1 29·1	July.
August . .	1 34·2	106·6	114·4	− 7·8	− 5·6	1 28·6	August.
September .	1 35·8	106·6	113·4	− 6·8	− 4·9	1 30·9	September.
October . .	1 32·6	112 8	113·3	− 0·5	− 0·4	1 32·2	October.
November .	1 31·9	110·4	113 2	− 2 8	− 2·0	1 29·9	November.
December .	1 31·7	114·0	114·5	− 0·5	− 0·4	1 31·3	December.
Means .	1 32·8	110·3	115·4	− 5·1	− 3·7	1 29·1	

TABLE I.—*Monthly Determinations of the Declination from* 1845 *to* 1851, *inclusive*—continued.

DATES.	Mean Observed Declination.	Mean Reading of the Observatory Declinometer.	Mean Monthly Reading of the Observatory Declinometer.	Differences $\alpha - \beta$.		Observed Declination reduced to the Mean Monthly Reading of the Observatory Declinometer.	
				Sc. Divisions.	Arc.		
	° ′	α Sc. Div.	β Sc. Div.		′	° ′	
1846.							
January . .	1 32·3	113·7	114·8	− 1·1	− 0·8	1 31·5 West.	January.
February .	1 30·6	112·0	113·7	− 1·7	− 1·2	1 29·4	February.
March . .	1 29·2	113·5	113·3	+ 0·2	+ 0·1	1 29·1	March.
April . .	1 31·7	110·4	112·7	− 2·3	− 1·7	1 30·0	April.
May . . .	1 33·4	107·4	112·2	− 4·8	− 3·5	1 29·9	May.
June . . .	1 31·5	109·5	113·3	− 3·8	− 2·7	1 28·8	June.
July . . .	1 34·4	109·6	113·5	− 3·9	− 2·8	1 31·6	July.
August . .	1 36·0	105·3	112·9	− 7·6	− 5·5	1 30·5	August.
September .	1 35·6	107·4	112·2	− 4·8	− 3·5	1 32·1	September.
October . .	1 33·8	110·2	113·1	− 2·9	− 2·1	1 31·7	October.
November .	1 35·0	109·0	112·8	− 3·8	− 2·7	1 32·3	November.
December .	1 34·0	111·4	114·0	− 2·6	− 1·9	1 32·1	December.
Means .	1 33·1	110·0	113·2	− 3·2	− 2·3	1 30·8	
1847.							
January . .	1 33·0	113·0	114·1	− 1·1	− 0·8	1 32·2 West.	January.
February .	1 36·9	106·0	111·8	− 5·2	− 3·8	1 33·1	February.
March . .	1 36·1	104·8	110·5	− 5·7	− 4·1	1 32·0	March.
April . .	1 37·8	103·6	110·0	− 6·4	− 4·6	1 33·2	April.
May . . .	1 35·8	105·4	110·4	− 5·0	− 3·6	1 32·2	May.
June . . .	1 36·9	104·1	110·4	− 6·3	− 4·6	1 32·3	June.
July . . .	1 36·9	104·6	110·9	− 6·3	− 4·6	1 32·3	July.
August . .	1 37·8	104·1	111·1	− 7·0	− 5·1	1 32·7	August.
September .	1 38·2	104·2	109·8	− 5·6	− 4·0	1 34·2	September.
October . .	1 35·9	109·6	111·1	− 1·5	− 1·1	1 34·8	October.
November .	1 37·9	106·6	111·0	− 4·4	− 3·2	1 34·7	November.
December .	1 35·5	110·3	110·8	− 0·5	− 0·4	1 35·1	December.
Means .	1 36·5	106·4	111·0	− 4·6	− 3·3	1 33·2	
1848.							
January . .	1 35·7	109·7	111·3	− 1·6	− 1·2	1 34·5 West.	January.
February .	1 34·2	118·3	117·2	+ 1·1	+ 0·8	1 35·0	February.
March . .	1 38·6	111·1	116·7	− 5·6	− 4·0	1 34·6	March.
April . .	1 40·0	110·7	116·8	− 6·1	− 4·4	1 35·6	April.
May . . .	1 38·6	110·0	115·6	− 5·6	− 4·0	1 34·6	May.
June . . .	1 37·0	113·4	115·9	− 2·5	− 1·8	1 35·2	June.
July . . .	1 40·7	108·0	116·4	− 8·4	− 6·1	1 34·6	July.
August . .	1 41·9	108·3	115·9	− 7·6	− 5·5	1 36·4	August.
September .	1 39 7	109·7	115·2	− 5·6	− 4·0	1 35·7	September.
October . .	1 42·1	107·4	114·1	− 6·7	− 4·8	1 37·3	October.
November .	—	—	—	—	—	1 [illegible]·2	November.
December .	1 36·5	111·6	113 6	− 2·0	− 1·4	1 35·1	December.
Means .	1 38·6	110·6	—	—	− 3·2	1 35·4	

TABLE I.—*Monthly Determinations of the Declination from* 1845 *to* 1851, *inclusive*—continued.

DATES.	Mean Observed Declination.	Mean Reading of the Observatory Declinometer.	Mean Monthly Reading of the Observatory Declinometer.	Differences $\alpha - \beta$.		Observed Declination reduced to the Mean Monthly Reading of the Observatory Declinometer.	
				Sc. Divisions.	Arc.		
		α Sc. Div.	β Sc. Div.				
1849.	° ′				′	° ′	
January . .	1 41·3	109·9	113·9	− 4·0	− 2·9	1 38·4 West.	January.
February .	1 41·4	1096·6	1105·4	− 8·6	− 6·2	1 35·2	February.
March . .	1 39·1	146·9	150·1	− 3·2	− 2·3	1 36·8	March.
April . .	1 40·1	143·4	149·9	− 6·5	− 4·7	1 35·4	April.
May . . .	1 38·6	146·6	148·9	− 2·3	− 1·6	1 37·0	May.
June . . .	1 42·0	142·0	150·3	− 8·3	− 5·9	1 36·1	June.
July . . .	1 39·8	144·3	149·3	− 5·0	− 3·7	1 36·1	July.
August . .	1 39·8	145·0	150·6	− 5·6	− 4·1	1 35·7	August.
September .	1 39·9	147·8	151·6	− 3·8	− 2·7	1 37·2	September.
October . .	1 41·4	143·7	149·4	− 5·7	− 4·2	1 37·2	October.
November .	1 40·8	146·1	149·2	− 3·1	− 2·3	1 38·5	November.
December .	1 36·6	153·3	149·8	+ 3·5	+ 2·5	1 39·1	December.
Means .	1 40·0	—	—	—	− 3·1	1 36·9	
1850.							
January . .	1 36·0	151·2	150·5	+ 0·7	+ 0·5	1 36·5 West.	January.
February .	1 38·9	148·7	150·6	− 1·9	− 1·4	1 37·5	February.
March . .	1 38·8	150·1	150·5	− 0·4	− 0·3	1 38·5	March.
April . .	1 39·2	351·0	353·4	− 2·4	− 1·7	1 37·5	April.
May . . .	1 42·3	351·5	358·8	− 7·3	− 5·2	1 37·1	May.
June . . .	1 38·7	359·1	360·0	− 0·9	− 0·6	1 38·1	June.
July . . .	1 39·4	359·9	364·4	− 4·5	− 3·2	1 36·2	July.
August . .	1 45·2	356·0	363·4	− 7·4	− 5·3	1 39·9	August.
September .	1 45·0	355·4	361·7	− 6·3	− 4·6	1 40·4	September.
October . .	1 41·4	364·6	364·4	− 0·2	− 0·2	1 41·2	October.
November .	1 44·0	362·0	366·5	− 4·5	− 3·3	1 40·7	November.
December .	1 41·8	362·3	365·6	− 3·3	− 2·3	1 39·5	December.
Means .	1 40·9	—	—	—	− 2·3	1 38·6	
1851.							
January . .	1 44·2	358·2	364·7	− 6·5	− 4·7	1 39·5 West.	January.
February .	1 43·9	361·8	365·2	− 3·4	− 2·5	1 41·4	February.
March . .	1 41·7	362·7	365·5	− 2·8	− 2·1	1 39·6	March.
April . .	1 44·2	359·6	364·7	− 5·1	− 3·7	1 40·5	April.
May . . .	1 44·8	357·5	362·9	− 5·4	− 3·9	1 40·9	May.
June . . .	1 41·8	362·1	363·2	− 1·1	− 0·8	1 41·0	June.
July . . .	1 43·4	357·6	362·3	− 4·7	− 3·4	1 40·0	July.
August . .	1 47·2	355·5	363·1	− 7·6	− 5·5	1 41·7	August.
September .	1 46·5	354·2	360·1	− 5·9	− 4·2	1 42·3	September.
October . .	1 44·8	356·3	360·7	− 4·4	− 3·2	1 41·6	October.
November .	1 44·5	355·1	361·3	− 6·2	− 4·4	1 40·1	November.
December .	1 47·7	351·6	360·5	− 8·9	− 6·4	1 41·3	December.
Means .	1 44·6	—	—	—	− 3·7	1 40·9	

Secular Change.—The monthly determinations in Table I. furnish 84 equations of the form $\psi = \psi' + a\,y$, in which ψ is the most probable value of the Declination at the mean epoch July 1, 1848; ψ' the observed Declination in any other month; a the interval in months between the date of ψ' and July 1, 1848, negative if that date is earlier than July 1, 1848, positive if later; and y is the monthly secular change. From these equations are obtained $\psi = 1° 34'·91$, the Declination at the mean epoch, July 1, 1848; and $y = 0'·1627$, or $12\,y = 1'·952$, the mean annual increase of West Declination in the years 1845 to 1851 inclusive.

Probable Error of the Monthly Determinations in Table I.—From the 84 equations furnished by Table I. we derive $\psi'_1 = 1° 34'·9 + 0'·1627a_1$, $\psi'_2 = 1° 34'·9 + 0'·1627a_2$, ... $\psi'_{84} = 1° 34'·9 + 0'·1627a_{84}$ as the most probable values of the Declination in the several months from January 1845 to December 1851. From the differences between these, and the values actually observed in those months, we obtain by the known method $\pm 0'·75$ as the probable error of a single monthly determination; and $\pm 0'·08$ as the probable error of the mean determination $1° 34'·9$ on July 1, 1848, assuming the true bearing of the west side of the lighthouse from the Theodolite to have been S. 8° 36′ 07″ E., according to Captain Lefroy's determination. The "probable errors" include the irregularities produced by the magnetic disturbances. The differences from which the probable errors have been computed include the effects of the mean annual variation; these have not been eliminated because, as will presently be seen, they are so small that they may practically be disregarded.

Annual Variation.—The hourly observations of the differential declinometer during those years in which its indications can be shown to have been intercomparable, furnish the most unexceptionable means for this investigation. In the first vol. of the Toronto Observations, p. viii., the zero of the scale of the differential declinometer, or the division of the scale corresponding to the magnetic axis of its magnet, is stated to have been 143·4, as determined by Captain Younghusband on 4th June 1841. A redetermination by Captain Lefroy, in February 1849, before the declinometer was dismounted to make room for the self-recording instruments, gave also 143·4. The declination corresponding to the scale division 143·4 is given, for each month of the years 1845, 1846, and 1847, by the intercomparison of the mean monthly readings of the declinometer shown in Table I., with the most probable values of the declination corresponding to the same periods, derivable from the independent monthly determinations in the same Table by the general equation, $\psi' = 1° 34'·9 + 0'·1627\,a'$. The declination corresponding to the division 143·4, in the different months thus obtained, is shown in the following Table:—

TABLE II.

MONTHS.	1845 1°+	1846 1°+	1847 1°+	Means 1°+	Differences $\alpha - \beta$
	′	′	′	′	′
January . .	9·41	9·46	10·93	9·94 = α	+ 0·71
February . .	9·72	8·86	9·45	9·34 = α	+ 0·11
March . .	9·66	8·74	8·67	9·02 = α	− 0·21
April . . .	9·18	8·47	8·47	8·71 = α	− 0·52
May . . .	9·05	8·27	8·92	8·75 = α	− 0·48
June . . .	9·00	9·22	9·09	9·10 = α	− 0·13
July . . .	8·88	9·53	9·61	9·34 = α	+ 0·11
August . .	8·89	9·26	9·91	9·19 = α	− 0·04
September .	7·83	8·92	9·15	8·63 = α	− 0·60
October . .	7·92	9·73	10·24	9·30 = α	+ 0·07
November .	8·02	9·68	10·33	9·34 = α	+ 0·11
December. .	9·11	10·70	10·35	10·05 = α	+ 0·82
Means . .	8·85	9·24	9·59	9·23 = β	—

We may derive two conclusions from this Table: 1st, that the scale division corresponding to the magnetic axis of the declinometer magnet underwent little if any change during the years 1845, 1846, and 1847, and consequently that the indications of that instrument may be regarded as intercomparable in those years; and, 2nd, that the *mean* annual variation, or that which is obtained by comparing the mean monthly readings with each other, can only be of very small amount. Of the two elements of comparison from which the values in Table II. are derived, one, viz., the most probable monthly values of the declination, is unaffected by the irregularities of the magnetic disturbances; whilst the other, viz., the mean monthly readings of the declinometer, necessarily includes them. The small differences in the declination values in the three first columns of Table II. are probably, for the most part, occasioned by those irregularities; and the differences in the final column may not be altogether uninfluenced by them.

We may also take from Table II. 1° 09′·2 as the declination value corresponding to the 143·4 division of the declination scale during the years 1845, 1846, and 1847.

Annual Variation at the different Observation Hours.—Having shown that the observations of the differential declinometer were intercomparable during the years 1845 to 1847, and that the zero of the scale corresponded to 1° 09′·2 of west declination, we may combine the observations in the different months and at the different hours in those years so as to form a *mean year* corresponding to the middle year (January to December 1846). This is done in Table III., the values inserted in this Table being in every case a mean of the declinations observed at the specified hour and in the specified month in the three years commencing 1st January 1845 and ending 31st December 1847:—

TABLE III.

Showing the Mean (West) Declination at every Observation Hour in every Month of the Year 1846, *derived from Three Years of Hourly Observations.*

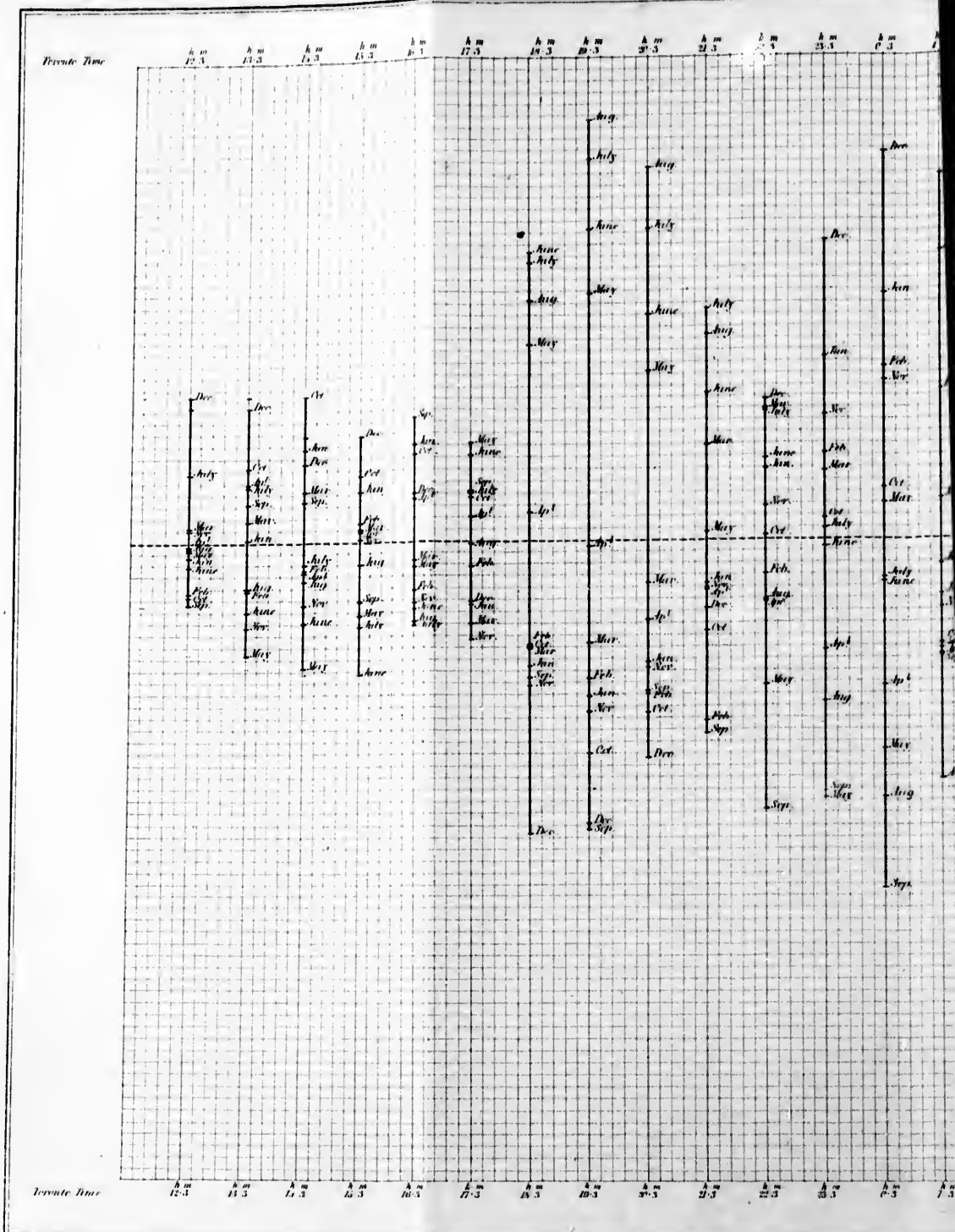
Toronto Time, Astronomical Reckoning.		January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December	Mean Declination at each Observation Hour, corresponding to the Mean Epoch, July 1st, 1846.
		1°+	1°+	1°+	1°+	1°+	1°+	1°+	1°+	1°+	1°+	1°+	1°+	1°+
H.	M.													
12	3	29′·41	29′·90	29′·50	29′·80	30′·01	30′·32	29′·70	30′·47	31′·13	31′·24	30′·81	29′·86	30′·18
13	3	29′·43	30′·03	29′·60	29′·44	31′·06	30′·86	29′·96	30′·98	30′·44	30′·29	31′·81	30′·13	30′·34
14	3	28′·74	29′·92	29′·42	30′·26	31′·24	31′·02	30′·68	30′·99	30′·47	29′·74	31′·68	30′·65	30′·40
15	3	28′·84	29′·27	29′·48	29′·66	30′·54	31′·19	30′·96	30′·59	30′·05	30′·17	30′·87	30′·17	30′·15
16	3	28′·08	29′·47	29′·37	29′·02	29′·76	30′·28	30′·57	30′·70	29′·16	29′·62	31′·03	30′·28	29′·78
17	3	28′·72	28′·55	29′·20	28′·46	28′·02	28′·28	28′·75	29′·33	29′·07	29′·28	30′·64	30′·49	29′·07
18	3	28′·53	28′·53	28′·71	27′·72	26′·47	25′·85	26′·10	26′·60	29′·94	29′·94	30′·32	31′·73	28′·37
19	3	28′·17	28′·20	28′·06	27′·40	25′·44	25′·05	24′·62	24′·43	30′·61	30′·13	29′·94	31′·04	27′·76
20	3	27′·25	27′·69	26′·93	27′·39	25′·47	25′·14	24′·56	24′·21	28′·81	29′·15	28′·94	29′·85	27′·12
21	3	27′·43	28′·74	26′·58	27′·94	27′·64	26′·65	26′·06	26′·44	29′·99	29′·28	29′·09	29′·43	27′·94
22	3	28 56	29′·62	28′·40	30′·16	31′·05	29′·30	29′·07	30′·80	32′·75	30′·59	30′·51	29′·79	30′·05
23	3	30′·45	31′·45	31′·75	33′·42	34′·84	32′·88	32′·88	34′·49	35′·41	33′·29	32′·60	31′·27	32 89
0	3	32′·29	33′·07	34′·38	36′·08	36′·77	35′·54	35 66	37′·67	38′·59	35′·39	34′·64	32′·88	35′·25
1	3	32′·86	33′·69	35′·94	37′·40	37′·53	37′·24	37′·13	39′·10	38′·24	38′·30	38′·16	36′·49	36′·84
2	3	32′·48	33′·37	35′·97	37′·27	36′·98	37′·22	37′·23	38′·55	37′·83	35′·75	35′·75	34′·44	36′·07
3	3	31′·86	32′·48	35′·27	36′·49	35′·72	36′·41	36′·51	36′·68	35′·86	34′·59	34′·68	33′·62	35′·01
4	3	30′·70	31′·65	33′·92	34′·76	33 89	35′·04	35′·23	34′·72	33′·74	33′·80	34′·07	32′·89	33′·70
5	3	29′·92	31′·25	32′·91	32′·67	32′·26	33′·09	33′·31	32′·94	31′·82	33′·14	33′·25	32′·12	32′·39
6	3	29′·58	30′·57	31′·60	31′·52	31′·25	31′·74	32′·13	31′·04	30′·70	31′·24	32′·20	31′·26	31′·24
7	3	29′·10	30′·21	30′·75	30′·52	31′·16	31′·03	31′·51	31′·12	31′·14	31′·90	30′·71	30′·47	30′·80
8	3	27′·91	29′·20	30′·22	30′·38	31′·23	31′·06	31′·24	30′·80	30 57	31′·00	30′·85	29′·80	30′·35
9	3	28′·02	28′·80	29′·03	29′·62	31′·06	30′·26	31′·16	28′·54	30′·81	30′·18	29′·30	29′·67	29′·70
10	3	28′·67	29′·24	29′·41	30′·36	30′·35	30′·23	29′·60	29′·76	30′·11	30′·27	29′·81	29′·21	29′·75
11	3	28′·66	29′·43	28′·57	29′·47	29′·74	30′·18	29′·49	29′·75	31′·03	30′·78	30′·15	29′·44	29′·72
Means .		29′·40	30′·18	30′·62	31′·13	31′·29	31′·08	31′·00	31′·28	32′·01	31′·63	31′·74	31′·12	31′·04
		Corrections to be applied for Secular Change to reduce to the Mean Epoch, July 1st, 1846.												
		+0′·90	+0′·73	+0′·57	+0′·41	+0′·24	+0′·08	−0′·08	−0′·24	−0′·41	−0′·57	−0′·73	−0′·90	

The values in the vertical column on the extreme right of this Table show the mean declination at the different hours corresponding to the mean epoch of the Table, July 1, 1846; they are the values which would have been obtained in each case had the observations been limited to a single hour only. The values which are placed respectively on the same horizontal line with the mean declination at each of the hours show the mean declination at the same hour *in each month*. When corrections for the secular change have been applied to these, and the differences are taken between the *mean monthly values so corrected* and the *mean values in the twelve months* at the same hours (in the vertical column on the extreme right), we have in these differences the *Annual Variation at each of the observation hours*, as it would have been observed if the observations in each case had been limited to that particular hour, and if the declination at Toronto had had a constant value instead of being affected by secular change. They are shown in Table IV.

Plate I. Page IX.

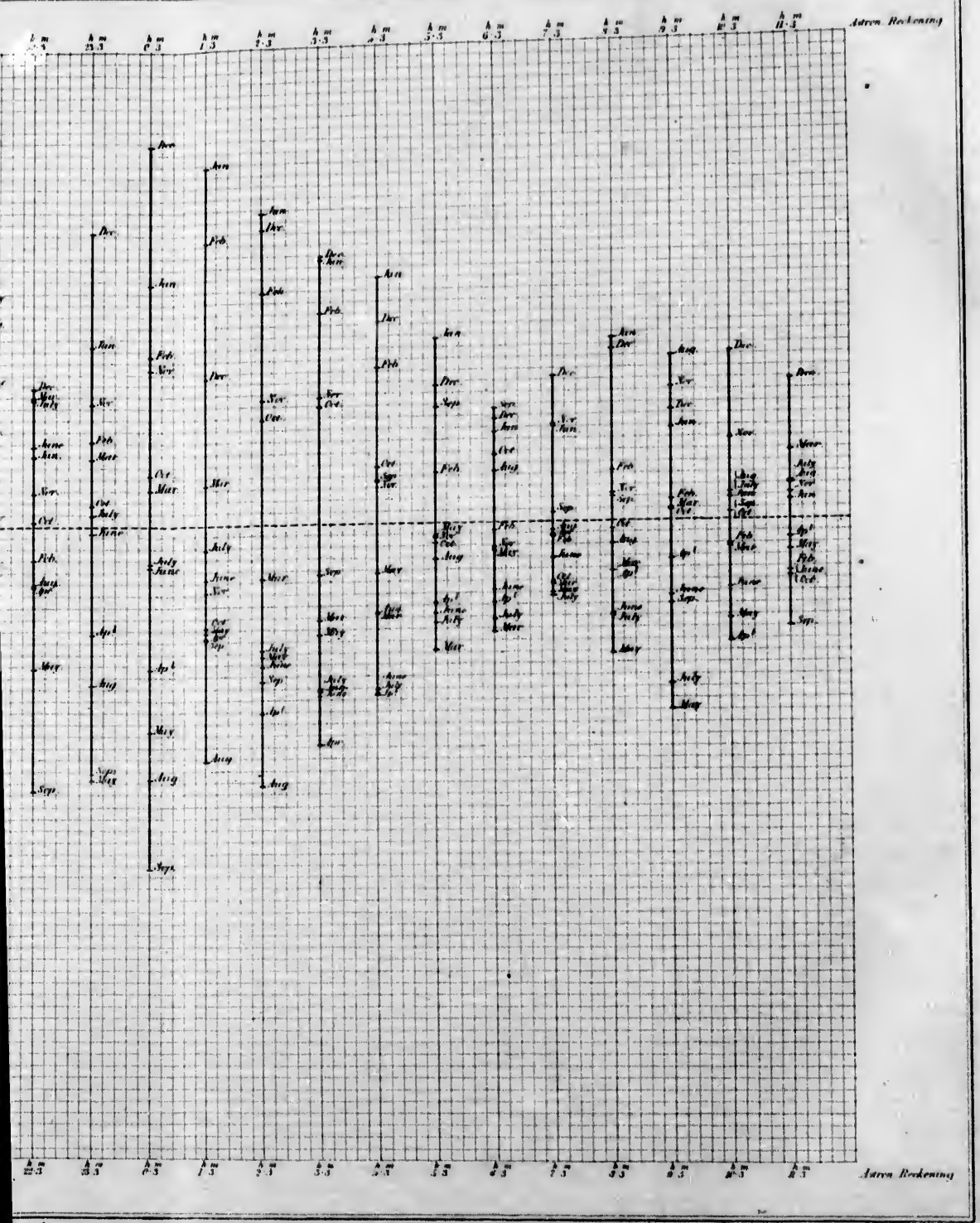
Annual Variation of the Declination at each of the 24 Observa

Scale, One inch to one minute of Arc. The dotted horizontal line represents the mean Declination at



ach of the 24 Observation hours derived from three Years of observation.

mean Declination at each hour as obtained from Observations throughout the three years at that hour only.



Day & Son. Lith.rs to the Queen.

Plate 7 Part IX

Annual Variati[illegible]

Scale. One inch to one minute of Arc. The dotted[illegible] the three years at that hour only

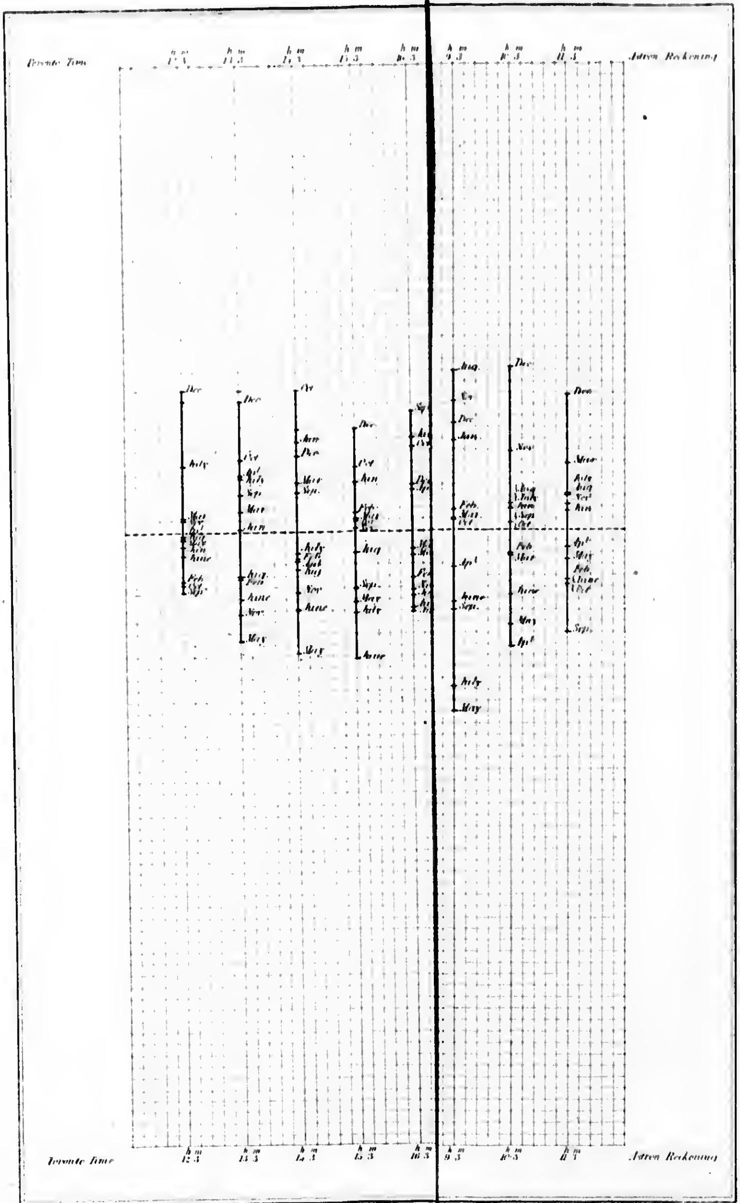


Table IV.

Annual Variation of the Declination at each of the Observation Hours.

+ denotes the North end of the needle being to the East, and − to the West of its mean or normal position in the year at the specified hour.

Toronto Mean Time, Astronomical Reckoning.		1845 to 1847 inclusive.											
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
h.	m.												
12	3	−0′·13	−0′·45	+0′·11	−0′·03	−0′·07	−0′·22	+0′·56	−0′·05	−0′·54	−0′·49	+0′·10	+1′·22
13	3	+0·01	−0·42	+0·17	+0·49	−0·96	−0·60	+0·46	−0·40	+0·31	+0·62	−0·74	+1·11
14	3	+0·76	−0·25	+0·41	−0·27	−1·08	−0·70	−0·20	−0·35	+0·34	+1·23	−0·55	+0·65
15	3	+0·41	+0·15	+0·10	+0·08	−0·63	−1·12	−0·73	−0·20	−0·51	+0·55	+0·01	+0 88
16	3	+0·80	−0·42	−0·16	+0·35	−0·22	−0·58	−0·71	−0·68	+1·03	+0·73	−0·52	+0·40
17	3	−0·55	−0·21	−0·70	+0·20	+0·81	+0·71	+0·40	−0·02	+0·41	+0·36	−0·84	−0·52
18	3	−1·06	−0·89	−0·91	+0·24	+1·66	+2·44	+2·35	+2·01	−1·16	−1·00	−1·22	−2·46
19	3	−1·31	−1·17	−0·87	−0·05	+2·08	+2·63	+3·22	+3·57	−2·44	−1·80	−1·45	−2·38
20	3	−1·03	−1·30	−0·38	−0·68	+1·41	+1·90	+2·64	+3·15	−1·28	−1·46	−1·09	−1·83
21	3	−0·39	−1·53	+0·79	−0·41	+0·06	+1·21	+1·96	+1·74	−1·64	−0·77	−0·42	−0·59
22	3	+0·59	−0·30	+1·08	−0·52	−1·24	+0·67	+1·06	−0·51	−2·29	+0·03	+0·27	+1·16
23	3	+1·54	+0·71	+0·57	−0·94	−2·19	−0·07	+0·09	−1·36	−2·11	+0·17	+1·02	+2 52
0	3	+2·06	+1·45	+0·30	−1·24	−1·76	−0·37	−0·33	−2·18	−2·93	+0·43	+1·34	+3·27
1	3	+3·08	+2·42	+0·33	−0·97	−0·93	−0·48	−0·21	−2·02	−0·99	−0·89	−0·59	+1·25
2	3	+2·69	+1·97	−0·47	−1·61	−1·14	−1·23	−1·08	−2·24	−1·35	+0·89	+1·05	+2·53
3	3	+2·25	+1·80	−0·83	−1·89	−0·95	−1·48	−1·42	−1·43	−0·44	+0·99	+1·06	+2·29
4	3	+2·10	+1·32	−0·79	−1·47	−0·43	−1·42	−1·45	−0·78	+0·37	+0·47	+0·36	+1·71
5	3	+1·57	+0·41	−1·09	−0·69	−0·11	−0·78	−0·84	−0·31	+0·98	−0·18	−0·13	+1·17
6	3	+0·76	−0·06	−0·93	−0·69	−0·25	−0·58	−0·81	+0·44	+0·95	+0·57	−0·23	+0·88
7	3	+0·80	−0·14	−0·52	−0·13	−0·60	−0·31	−0·63	−0·08	+0·07	−0·53	+0·82	+1·23
8	3	+1·55	+0·43	−0·43	−0·43	−1·11	−0·78	−0·80	−0·20	+0·20	−0·07	+0·24	+1·46
9	3	+0·78	+0·17	+0·10	−0·33	−1·60	−0·64	−1·38	+1·40	−0·70	+0·09	+1·13	+0·93
10	3	+0·18	−0·22	−0·23	−1·02	−0·84	−0·56	+0·23	+0·23	+0·05	+0·05	+0·67	+1·44
11	3	+0·16	−0·44	+0·58	−0·16	−0·26	−0·49	+0·31	+0·21	−0·90	−0·49	+0·30	+1·18

Plate I. has been drawn in illustration of this Table. The dark vertical lines show the comparative magnitude of the Annual Variation at the different hours, the scale being an inch to one minute of declination: the small cross lines with the names of the months annexed mark the position which the several months occupy in the respective ranges. The Annual Variation at each hour is projected independently of the other hours, and with reference only to its own mean or normal point, viz., the mean declination in the year at that particular hour: the dotted horizontal line passes through and marks these normal points.

Diurnal Variation.—Table V. exhibits the Diurnal Variation in each month of the year derived from the monthly means of the hourly observations from July 1842 to June 1848 inclusive; in computing the mean Diurnal Variation in each month corresponding to the observations of all these years, the months of August, September, and December 1847, and February and May 1848, have been omitted on account of the excessive disturbances which prevailed in those months. Table VI. exhibits in one view the mean Diurnal Variation in each month of the year derived from the results in Table V.; and Table VII. exhibits the mean hourly position of the magnet in each month of the year relatively to its mean position in that month.

Table V.

Diurnal Variation of the Declination in the several Months, from July 1842 *to June* 1848, *inclusive.*

The lowest Monthly Mean occurring at any observation hour is taken as the Zero for the

Local Astronomical Time.		0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h
		′	′	′	′	′	′	′	′	′	′	′
January.	1843	2·05	0·66	0·00	0·36	1·41	2·16	3·10	3·22	3·60	4·55	4·78
	1844	0·85	0·00	0·08	0·80	1·33	2·38	2·91	3·69	3·76	4·09	4·94
	1845	0·00	0·47	0·78	1·34	2·39	3·54	4·10	4·20	4·78	5·69	3·77
	1846	1·21	0·00	0·51	1·10	2·38	3·31	3·34	4·14	5·48	4·76	4·94
	1847	0·99	0·00	0·32	1·04	2·20	2·48	2·80	3·44	5·07	4·58	4·28
	1848	2·15	0·92	0·00	0·60	0·97	1·83	3·06	4·17	5·94	5·56	5·68
Reduced Means		0·93	0·06	0·00	0·59	1·50	2·34	2·95	3·53	4·19	4·59	4·45
February.	1843	0·89	0·00	0·08	0·76	1·38	2·61	2·85	3·95	4·25	3·74	4·44
	1844	0·14	0·00	0·72	1·54	2·76	2·61	3·03	3·59	4·37	4·55	5·03
	1845	0·74	0·00	0·56	1·76	2·86	3·04	3·98	4·52	5·46	5·61	4·57
	1846	0·90	0·00	0·01	0·78	1·01	1·73	1·82	2·44	4·05	4·43	3·78
	1847	0·21	0·00	0·40	1·12	1·66	2·57	3·59	3·51	4·00	4·65	5·02
	1848*	4·39	2·42	0·72	0·00	1·88	2·07	2·61	3·26	4·47	11·19	7·35
Reduced Means		0·23	0·00	0·00	0·84	1·70	2·16	2·88	3·25	4·08	4·25	4·34
March.	1843	2·04	0·27	0·00	0·89	1·66	2·81	3·66	4·43	5·64	5·83	6·50
	1844	0·72	0·00	0·01	0·95	1·67	3·15	3·30	4·96	6·93	6·58	6·99
	1845	1·42	0·17	0·00	0·87	1·71	3·30	4·50	5·71	5·62	6·89	6·42
	1846	1·66	0·17	0·00	0·23	2·53	3·18	4·09	5·63	5·93	6·53	6·02
	1847	1·91	0·00	0·23	1·23	2·16	2·95	4·76	4·60	5·96	7·67	7·50
	1848	1·41	0·00	0·29	0·41	1·48	2·43	3·71	3·46	4·01	7·05	6·42
Reduced Means		1·44	0·01	0·00	0·67	1·78	2·88	3·91	4·71	5·59	6·67	6·55
April.	1843	1·12	0·00	0·07	1·12	2·36	3·21	4·94	5·74	7·27	6·79	7·36
	1844	0·82	0·04	0·00	1·02	2·24	3·52	4·21	4·75	5·84	6·54	7·27
	1845	1·85	0·00	0·04	0·82	2·50	5·15	6·38	6·63	7·09	7·07	7·87
	1846	1·38	0·00	0·19	0·41	2·41	3·01	4·97	6·81	6·12	7·57	8·03
	1847	0·72	0·00	0·16	1·50	3·01	6·06	6·33	7·20	7·87	8·73	5·27
	1848	1·61	0·07	0·00	0·75	3·07	3·80	4·27	5·96	7·63	7·18	7·08
Reduced Means		1·23	0·00	0·06	0·92	2·58	4·11	5·16	6·16	6·95	7·29	7·13
May.	1843	0·75	0·01	0·00	0·92	2·43	4·27	5·51	5·21	5·56	6·09	6·57
	1844	1·44	0·21	0·00	0·80	2·37	4·10	4·89	6·00	5·04	6·29	7·81
	1845	0·17	0·00	0·79	2·40	4·41	6·18	6·70	6·76	6·65	6·29	6·41
	1846	1·02	0·00	0·51	1·61	3·34	4·66	5·89	6·44	6·38	7·61	9·12
	1847	1·11	0·00	0·34	1·41	3·17	5·01	6·27	5·94	5·89	5·56	6·04
	1848*	2·64	0·00	0·09	1·94	3·73	6·39	7·28	7·29	8·26	8·95	8·59
Reduced Means		0·86	0·00	0·29	1·39	3·10	4·80	5·81	6·03	5·86	6·33	7·15
June.	1843	0·72	0·00	0·22	0·82	2·58	3·73	4·30	4·86	4·69	5·70	5·72
	1844	1·09	0·00	0·53	1·55	3·06	4·65	5 43	5·83	6·23	6·34	6·38
	1845	1·29	0·00	0·06	0·95	2·68	4·73	5·88	6·02	5·98	6·58	6·09
	1846	2·72	0·35	0·00	0·63	1·41	3·68	5·71	6·81	6·52	8·61	8·31
	1847	1·43	0·00	0·36	1·28	2·87	4·42	5·29	6·19	6·44	6·13	7·04
	1848	2·02	0·66	0·00	1·43	3·60	5·89	7·10	7·95	7·76	7·62	7·41
Reduced Means		1·37	0·00	0·02	0·94	2·53	4·35	5·45	6·11	6·10	6·66	6·66

* Omitted in the Means, on account of the unusual magnitude of the disturbance.

TABLE V.

Diurnal Variation of the Declination in the several Months, from July 1842 *to June* 1848, *inclusive.*

Month, and corresponds to the extreme Westerly position of the North end of the Magnet.

11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	Monthly Means.
′	′	′	′	′	′	′	′	′	′	′	′	′	′
4·07	3·61	2·98	2·91	2·88	3·45	3·39	2·31	4·03	5·40	6·26	5·96	4·06	3·22
3·64	3·54	3·36	3·11	3·61	3·72	3·14	3·52	3·86	4·69	4·82	3·75	2·53	3·01
4·26	3·39	4·14	4·21	3·02	5·26	4·18	4·72	5·28	5·45	4·34	3·59	1·78	3·57
4·65	4·06	3·54	4·47	4·15	4·87	4·45	4·27	4·58	6·07	6·25	5·11	3·11	3·79
4·18	3·42	3·08	4·16	4·50	4·70	4·27	4·51	4·68	5·81	6·17	4·69	2·85	3·51
5·61	6·00	5·44	4·98	6·23	6·81	6·23	5·99	6·22	8·30	9·63	7·68	5·86	4·83
4·12	3·72	3·48	3·69	3·93	4·52	4·00	3·94	4·50	5·54	5·96	4·85	3·09	3·37
5·13	4·18	2·83	3·94	3·05	4·23	4·79	5·02	5·49	6·29	5·78	4·35	2·03	3·42
3·50	4·43	3·74	3·59	4·26	4·40	5·24	4·94	5·54	5·91	5·39	3·75	1·60	3·59
4·21	4·79	3·67	3·51	4·45	3·95	4·67	5·49	5·40	5·48	5·58	4·64	2·71	3·82
3·70	3·50	2·93	4·18	3·93	4·24	4·74	4·55	5·09	6·11	4·51	4·01	2·56	3·15
4·91	3·14	4·42	3·66	4·90	4·49	6·01	5·45	6·01	6·44	4·77	3·57	1·48	3·58
8·15	8·20	6·66	4·33	5·92	4·58	5·94	6·52	5·85	8·50	10·87	9·44	7·26	5·52
3·94	3·66	3·17	3·43	3·77	3·91	4·74	4·74	5·16	5·70	4·86	3·71	1·73	3·16
5·90	5·41	5·44	5·36	5·70	5·72	6·07	6·89	7·86	9·12	8·57	6·71	4·40	4·87
6·26	4·04	6·65	6·10	4·50	6·25	6·32	6·08	7·41	7·76	7·49	5·60	3·25	4·71
6·21	5·92	5·95	5·92	6·02	6·65	6·31	7·19	8·28	9·14	8·93	7·17	4·07	5·18
6·61	6·61	6·32	6·55	6·22	6·57	6·30	6·68	7·82	8·91	9·15	7·18	3·88	5·20
9·61	7·15	7·07	7·41	7·49	6·82	7·95	8·12	7·89	9·32	10·41	8·60	4·96	5·91
8·33	8·13	7·67	8·65	8·68	8·68	7·05	8·29	9·66	11·36	10·94	7·93	5·05	5·88
7·06	6·12	6·42	6·58	6·35	6·69	6·58	7·12	8·06	9·18	9·16	7·11	4·18	5·20
6·43	7·38	6·73	7·21	6·55	8·00	8·59	9·94	10·83	10·50	8·06	5·70	3·60	5·81
7·66	6·32	6·21	7·33	7·53	7·57	6·86	7·50	7·48	8·67	8·10	5·66	2·73	5·24
7·55	7·37	7·39	7·47	7·69	7·89	8·46	9·67	10·29	10·75	10·34	8·10	5·08	6·39
7·88	7·57	7·28	7·50	7·62	8·06	8·51	9·19	9·82	9·36	8·62	6·77	3·70	5·95
8·39	7·87	9·22	6·48	7·96	9·23	9·85	10·20	9·92	9·95	9·45	6·84	3·18	6·48
7·75	7·91	8·15	9·15	10·26	9·57	8·30	9·72	10·54	10·50	9·19	7·60	4·08	6·42
7·59	7·38	7·48	7·50	7·92	8·37	8·41	9·35	9·79	9·94	8·94	6·76	3·71	6·03
6·75	6·24	5·96	6·09	6·20	6·50	8·03	9·47	10·49	10·89	9·38	6·21	3·24	5·53
6·62	7·09	7·45	6·42	6·60	6·88	8·71	10·27	11·02	10·85	9·71	6·71	4·08	5·89
6·07	6·57	7·30	6·49	7·63	8·49	9·59	11·47	12·46	12·53	10·22	6·30	2·64	6·48
9·49	9·26	8·32	6·97	6·84	7·04	9·10	10·58	12·39	12·28	10·01	7·02	3·14	6·63
6·94	6·76	3·84	5·43	6·53	7·79	9·86	11·17	11·43	11·40	9·46	6·15	2·30	5·83
8·78	8·89	8·37	8·71	9·07	9·74	12·77	13·31	15·06	14·24	12·99	9·06	5·87	8·00
7·31	7·14	6·53	6·24	6·72	7·30	9·02	10·55	11·52	11·55	9·72	6·44	3·04	6·03
5·62	5·88	5·77	5·40	6·29	6·95	8·05	10·28	11·39	10·43	8·59	5·85	3·14	5·29
7·35	6·61	6·85	7·28	6·99	8·27	9·73	11·33	12·23	12·08	10·41	7·42	3·67	6·30
6·31	6·13	6·45	6·67	6·28	7·44	9·53	11·50	12·58	12·45	10·81	7·67	3·91	6·17
8·13	7·49	6·85	6·33	6·04	5·99	8·70	11·51	12·11	11·79	10·57	8·46	5·07	6·41
7·31	7·56	6·23	6·04	6·23	7·84	9·04	11·56	12·29	12·46	10·79	8·08	4·47	6·31
7·54	7·95	7·85	7·52	7·34	8·29	10·16	12·90	14·46	14·36	13·07	9·54	5·00	7·39
6·87	6·77	6·50	6·37	6·36	7·29	9·03	11·34	12·34	12·09	10·54	7·67	4·04	6·14

TABLE V.—*Diurnal Variation of the Declination in the several*

Local Astronomical Time.		0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h
		′	′	′	′	′	′	′	′	′	′	′
JULY.	1842	1·65	0·63	0·00	1·10	2·22	4·00	5·19	5·99	8·37	6·89	7·82
	1843	1·66	0·00	0·51	1·23	2·36	4·44	5·71	5·89	5·69	7·05	7·29
	1844	1·74	0·30	0·00	1·04	2·66	4·04	5·22	5·75	5·68	5 58	6·72
	1845	2·38	0·30	0·00	1·02	2·51	4·29	6·06	7·07	6·53	7·03	8·03
	1846	1·95	0·68	0·04	0·00	0·84	2·67	3·88	5·26	6·43	6·65	7·25
	1847	1·05	0·00	0·66	1·84	3·37	5·53	6·10	5·54	5·76	5·25	8·36
Reduced Means		1·54	0·12	0·00	0·84	2·13	3·96	5·16	5·72	6·21	6·21	7·38
AUGUST.	1842	0·40	0·00	1·27	3·07	5·19	6·18	7·03	6·63	7·96	7·47	7·43
	1843	0·84	0 00	0·60	2·59	4·54	6·09	6·84	6·84	7·05	6·94	6·76
	1844	1·13	0·00	0·84	2·71	4·24	5·97	7·55	7·50	8·34	7·73	8·18
	1845	0·91	0·00	0·98	2·87	5·01	6·76	8·10	8·39	7·61	9·59	9·17
	1846	1·93	0·30	0·00	1·55	3·11	4·87	7·42	7·15	8·75	11·88	10·11
	1847[a]	1·75	0·00	0·96	3·14	5·35	7·15	8·98	8·70	8·87	10·53	9 70
Reduced Means		0·98	0·00	0·68	2·50	4·36	5·91	7·33	7·24	7·88	8·66	8·27
SEPTEMBER.	1842	0·53	0·00	0·57	2·69	3·84	5·27	5·45	6·61	7·54	6·89	6·51
	1843	0·00	0·15	1·30	2·58	4·40	5·31	5·73	5·72	6·63	8·06	7·09
	1844	0·00	0·76	1·41	3·82	6·22	6·93	7·12	7·52	8·79	9·98	8·97
	1845	0·00	0·57	1·79	3·29	5·50	6·89	7·30	7·31	7·65	8·50	9·04
	1846	0 00	0·12	0·68	2·48	3·83	5·69	7·65	7·49	7·19	6·25	7·52
	1847[a]	0·19	0·60	0·00	2·60	5·41	7·93	8·96	7·78	9·43	8·81	9·10
Reduced Means		0·00	0·21	1·04	2·86	4·65	5·91	6·54	6·82	7·45	7·83	7·72
OCTOBER.	1842	0·43	0·00	0·17	0·76	2·12	2·88	3·81	5·02	5·22	5·67	6·36
	1843	0·51	0·00	0·17	0·95	1·80	2·77	3·32	3·89	4·53	5·15	4·57
	1844	0·17	0·00	0·71	2·17	3·26	4·13	4·11	4·71	5·02	5·96	5·47
	1845	0·00	0·05	0·59	1·54	1·92	2·56	3·24	3·55	4·14	4·86	4·56
	1846	0·85	0·00	0·05	1·57	2·81	2·94	5·27	5·24	6·27	8·07	7·85
	1847	0·87	0·19	0·00	1·03	1·79	3·00	5·70	3·44	4·53	4·49	4·73
Reduced Means		0·43	0·00	0·24	1·30	2·24	3·01	4·20	4·27	4·91	5·66	5·55
NOVEMBER.	1842	0·33	0·00	0·50	2·06	2·80	3·26	4·92[a]	5·19	5·75	5·74	5·83
	1843	0·60	0·00	0·66	1·47	2·35	2·82	3·87	4·47	4·62	5·23	4·27
	1844	0·30	0·00	0·53	1·66	2·58	3·54	4·24	4·98	5·51	6·13	5·67
	1845	0·40	0·00	0·56	1·70	2·71	3·42	4·13	5·04	5·00	5·68	5·53
	1846	1·92	0·24	0·00	0·86	1·47	3·06	3·11	5·89	5·11	5·93	5·37
	1847	1·56	0·33	0·00	1·21	1·44	1·62	4·00	4·77	5·19	8·35	7·53
Reduced Means		0·76	0·00	0·29	1·40	2·13	2·86	3·96	4·97	5·11	6·09	5·61
DECEMBER.	1842	0·76	0·00	0·27	0·78	1·94	2 53	3·50	3 85	4·29	4·48	4·72
	1843	1·14	0·03	0·00	1·11	1·85	3·33	3·80	3·66	4·24	4·43	4·06
	1844	1·19	0·14	0·00	0·87	1·99	2·83	3·61	4·62	4·56	5·05	5·84
	1845	0·98	0·00	0·19	0·95	2·05	2·65	3·34	4·25	4·27	4·46	4·43
	1846	1·25	0·32	0·00	0·51	1·25	2·45	2·69	3·94	5·13	5·09	5·94
	1847[a]	5·01	3·29	2·35	3·55	3·92	4·44	6·07	6·27	7·09	7·35	7·92
Reduced Means		0·97	0·01	0·00	0·75	1·73	2·67	3·30	3·97	4·41	4·61	4·91

[a] Omitted in the Means, on account of the unusual magnitude of the disturbance.

Months, from July 1842 *to June* 1848, *inclusive*—continued.

11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	Monthly Means.
′	′	′	′	′	′	′	′	′	′	′	′	′	′
7·64	8·64	6·27	5·81	6·36	6·14	9·34	9·54	11·09	12·28	10·71	7·90	5·05	6·28
7·90	7 81	7·33	7·20	7·28	8·01	8 23	10·66	11·66	11·28	9·86	6·95	4·13	6·23
7·03	7·56	7·55	6·53	6·34	7·61	8·72	10·20	11·96	12·14	10·47	7·14	3·95	6·07
8·04	7·93	8·22	7·86	7·20	7·78	9·42	11·41	13·05	13·51	12·51	9·40	5·37	6·96
7·76	7·65	7·24	5·86	5·10	5·83	8·45	9·99	11·72	11·77	10·17	8·11	4·41	5·82
8·15	7·79	7·08	6·67	7·22	7·08	8·28	12·72	13·81	13·49	10·57	7·67	3·96	6·58
7·45	7·70	7·08	6·46	6·38	6·88	8·54	10·55	12·02	12·21	10·51	7·66	4·28	6·12
8·62	7·78	6·68	6·91	7·22	8·33	9·52	11·53	13·18	12·40	9·90	5·55	1·80	6·75
6·84	6·42	6·78	7·16	7·15	7·75	8·92	11·20	12·85	12·50	10·41	6·58	3·73	6·56
7·90	8·70	8·31	7·50	7·03	8·13	9·22	12·29	13·28	13·14	10·70	6·78	3·00	7·09
9·68	8·18	8·13	7·56	9·09	7·93	9·68	12·47	14·20	14·84	11·95	7·69	3·55	7·68
9·20	8·33	6·11	7·14	6·92	6 14	7·08	10·13	12·49	12·81	11·26	7·46	4·51	6·94
9·48	9·72	10·42	9·94	9·86	11·45	12·87	15 23	17·67	17·34	15·11	10·08	6·07	9·18
8·39	7·82	7·14	7·19	7·42	7·60	8·82	11·46	13·14	13·08	10·78	6·75	3·26	6·94
6·80	7·04	7·19	6·45	8·43	8·18	7·73	9·92	11·22	10·19	8·38	5·54	2·15	6·06
6·38	7·29	7·66	7·00	7·07	7·27	7·11	9·20	10·89	10·40	8 31	5·13	2·52	5·97
7·67	9·14	7·58	8·23	8·51	8·10	8·04	10·87	11·69	10·63	8·85	4·98	1·88	6·99
7·75	7·78	7·05	7·06	8·03	9·37	9·60	10·11	10·73	9·62	7·82	4·71	1·94	6·64
7·04	6·33	7·28	8·78	8·03	9·37	9·23	8·01	9·81	8·82	8·01	4·73	1·64	6·08
8·00	9·49	10·31	8·74	9·77	9·75	9·93	8·05	3·63	11·08	10·15	8·29	6·15	7·26
7·02	7·41	7·24	7·39	7·90	8·35	8·23	9·51	10·76	9·82	8·16	4·91	1·92	6·24
6·11	4·22	4·03	3·48	4·15	4·90	4·68	5·45	7·04	8·36	7·64	5·28	2·45	4·18
4·40	3·74	4·27	4·28	4·35	4·63	4·42	4·10	5·84	6 34	6·62	4·80	2·25	3·65
5·54	5·35	5·19	4·82	4·36	5·40	5·61	5·40	5·66	6·84	6·60	4·57	2·10	4·30
4·30	4·68	5·02	5·34	5·65	6·09	5·72	4·84	5·09	5·99	4·92	3·54	1·51	3·72
7·56	6·70	6·19	5·21	5·20	6·08	6·27	5·91	5·50	6·20	6·49	5·33	2·89	4·81
3·73	2·84	5·86	8·17	6·55	6·88	8·08	7·36	6·97	8·28	8·64	7·30	3·64	4·75
5·23	4·55	5·05	5·18	5·00	5·62	5·76	5·47	5·98	6·96	6·78	5·10	2·43	4·20
5·73	5·31	4·17	3·86	4·56	5·02	5·91	5·03	5·34	6·02	5·85	3·93	1·95	4·13
4·63	3·46	3·27	3·29	3·39	4·07	4·30	4·69	5·08	5·60	5·38	3·77	1·56	3·45
4·71	3·89	3·54	3·34	4·39	3·41	4·35	3·75	5·53	5·87	5·71	4·36	1·59	3·73
4·81	4·52	4·20	3·77	4·50	3·62	5·56	4·82	6·25	6·84	6·00	4·15	1·48	3·95
5·15	5·20	3·76	3·47	4·81	5·25	4·38	5·44	5·66	6·02	6·72	5·50	3·65	4·08
7·44	5·68	4·46	5·57	5·93	5·87	5·97	6·65	6·13	8·13	7·81	6·66	4·90	4·88
5·32	4·59	3·81	3·79	4·51	4·45	4·99	4·97	5·57	6·32	6·16	4·64	2·43	3·95
3·79	3·38	2·94	2 24	3·10	3·53	5·48	3·82	4·00	4·83	5 37	4 67	2·61	3·20
3·66	3·38	2·94	2·48	2·86	3·15	3·50	4·11	4·08	4·03	4·25	4·07	2·68	3·04
4·98	4·23	3·62	2·86	3·14	3·80	3·62	4·03	4·42	4·45	5·17	4·50	2·57	3·42
4·79	4·56	3·73	3·10	3·86	3·60	3·31	3·08	3·47	3·72	4·27	3·32	2·47	3·12
4·73	4·19	3·63	3·94	4·09	4·41	3·65	4·26	4·72	5·22	6·26	5·45	3·29	3·60
8·06	7·56	8·15	6·91	7·43	7·05	0·00	3·35	4·58	7·38	7·04	7·74	6·32	5·78
4·30	3·86	3·28	2·83	3·32	3·61	3·82	3·77	4·05	4·36	4·97	4·31	2·63	3·19

Table VI.

Exhibits in one view the Mean Diurnal Variation in each Month of the Year, derived from the results in Table V.

Toronto Mean Astron. Time.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
	′	′	′	′	′	′	′	′	′	′	′	′
January . .	0·93	0·06	0·00	0·59	1·50	2·34	2·95	3·53	4·49	4·59	4·45	4·12
February . .	0·23	0·00	0·00	0·84	1·70	2·16	2·88	3·25	4·08	4·25	4·34	3·94
March . .	1·44	0·01	0·00	0·67	1·78	2·88	3·91	4·71	5·59	6·67	6·55	7·06
April . . .	1·23	0·00	0·06	0·92	2·58	4·11	5·16	6·16	6·95	7·29	7·13	7·59
May . . .	0·86	0·00	0·29	1·39	3·10	4·80	5·81	6·03	5·86	6·33	7·15	7·31
June . . .	1·37	0·00	0·02	0·94	2·53	4·35	5·45	6·11	6·10	6·66	6·66	6·87
July . . .	1·54	0·12	0·00	0·84	2·13	3·96	5·16	5·72	6·21	6·21	7·38	7·45
August . .	0·98	0·00	0·68	2·50	4·36	5·91	7·33	7·24	7·88	8·66	8·27	8·39
September .	0·00	0·21	1·04	2·86	4·65	5·91	6·54	6·82	7·45	7·83	7·72	7·02
October . .	0·43	0·00	0·21	1·30	2·24	3·01	4·20	4·27	4·91	5·66	5·55	5·23
November .	0·76	0·00	0·29	1·40	2·13	2·86	3·96	4·97	5·11	6·09	5·61	5·32
December .	0·97	0·01	0·00	0·75	1·73	2·67	3·30	3·97	4·41	4·61	4·91	4·30

Toronto Mean Astron. Time.	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
	′	′	′	′	′	′	′	′	′	′	′	′
January . .	3·72	3·48	3·69	3·93	4·52	4·00	3·94	4·50	5·54	5·96	4·85	3·09
February . .	3·66	3·17	3·43	3·77	3·91	4·74	4·74	5·16	5·70	4·86	3·71	1·73
March . .	6·12	6·42	6·58	6·35	6·69	6·58	7·12	8·06	9·18	9·16	7·11	4·18
April . . .	7·38	7·48	7·50	7·92	8·37	8·41	9·35	9·70	9·94	8·94	6·76	3·71
May . . .	7·14	6·53	6·24	6·72	7·30	9·02	10·55	11·52	11·55	9·72	6·44	3·04
June . . .	6·77	6·50	6·37	6·36	7·29	9·03	11·34	12·34	12·09	10·54	7·67	4·04
July . . .	7·70	7·08	6·46	6·38	6·88	8·54	10·55	12·02	12·21	10·51	7·66	4·28
August . .	7·82	7·14	7·19	7·42	7·60	8·82	11·46	13·14	13·08	10·78	6·75	3·26
September .	7·41	7·24	7·39	7·90	8·35	8·23	9·51	10·76	9·82	8·16	4·91	1·92
October . .	4·55	5·05	5·18	5·00	5·62	5·76	5 47	5·98	6·96	6·78	5·10	2·43
November .	4·59	3·81	3·79	4·51	4·45	4·99	4·97	5·57	6·32	6·16	4·64	2·43
December .	3·86	3·28	2·83	3·32	3·61	3·82	3·77	4·05	4·36	4·97	4·31	2·63

Table VII.

Exhibits the Mean Hourly Position of the Magnet in each Month of the Year, relatively to its general Mean Position in the Month; the sign + implies that the North end of the Magnet is to the East, and − to the west of the Mean Position in the Month.

Toronto Mean Astron. Time.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
	′	′	′	′	′	′	′	′	′	′	′	′
January . .	−2·44	−3·31	−3·37	−2·78	−1·87	−1·03	−0·42	+0·16	+1·12	+1·22	+1·08	+0·75
February . .	−2·93	−3·51	−3·16	−2·32	−1·46	−1·00	−0·28	+0·09	+0·92	+1·09	+1·18	+0·78
March . .	−3·76	−5·19	−5·20	−4·53	−3·42	−2·32	−1·29	−0·49	+0·39	+1·47	+1·35	+1·86
April . . .	−4·80	−6·03	−5·97	−5·11	−3·45	−1·92	−0·87	+0·13	+0·92	+1·26	+1·10	+1·56
May . . .	−5·17	−6·03	−5·74	−4·64	−2·93	−1·23	−0·22	0·00	−0·17	+0·30	+1·12	+1·28
June . . .	−4·77	−6·14	−6·12	−5·20	−3·61	−1·79	−0·69	−0·03	−0·04	+0·52	+0·52	+0·73
July . . .	−4·58	−6·00	−6·12	−5·28	−3·99	−2·16	−0·96	−0·40	+0·09	+0·09	+1·26	+1·33
August . .	−5·96	−6·94	−6·26	−4·44	−2·58	−1·03	+0·39	+0·30	+0·94	+1·72	+1·33	+1·45
September .	−6·24	−6·03	−5·20	−3·38	−1·59	−0·33	+0·30	+0·58	+1·21	+1·59	+1·48	+0·78
October . .	−3·77	−4·20	−3·96	−2·90	−1·96	−1·19	0·00	+0·07	+0·71	+1·46	+1·35	+1·03
November .	−3·19	−3·95	−3·66	−2·55	−1·82	−1·09	+0·01	+1·02	+1·16	+2·14	+1·66	+1·37
December .	−2·22	−3·18	−3·19	−2·44	−1·46	−0·52	+0·11	+0·78	+1·22	+1·42	+1·72	+1·11

Toronto Mean Astron. Time.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
	′	′	′	′	′	′	′	′	′	′	′	′
January . .	+0·35	+0·11	+0·32	+0·56	+1·15	+0·63	+0·57	+1·13	+2·17	+2·59	+1·48	−0·28
February . .	+0·50	+0·01	+0·27	+0·61	+0·75	+1·58	+1·58	+2·00	+2·54	+1·70	+0·55	−1·43
March . .	+0·92	+1·22	+1·38	+1·15	+1·49	+1·38	+1·92	+2·86	+3·98	+3·96	+1·91	−1·02
April . . .	+1·35	+1·45	+1·47	+1·89	+2·84	+2·38	+3·32	+3·76	+3·91	+2·91	+0·73	−2·32
May . . .	+1·11	+0·50	+0·21	+0·69	+1·31	+2·99	+4·52	+5·49	+5·52	+3·69	+0·41	−2·99
June . . .	+0·63	+0·36	+0·23	+0·22	+1·15	+2·89	+5·20	+6·20	+5·95	+4·40	+1·53	−2·10
July . . .	+1·58	+0·96	+0·34	+0·26	+0·76	+2·42	+4·43	+5·90	+6·09	+4·39	+1·54	−1·84
August . .	+0·88	+0·20	+0·25	+0·48	+0·66	+1·88	+4·52	+6·20	+6·14	+3·84	−0·19	−3·68
September .	+1·17	+1·00	+1·15	+1·66	+2·11	+1·99	+3·27	+4·52	+3·58	+1·92	−1·33	−4·32
October . .	+0·35	+0·85	+0·98	+0·80	+1·42	+1·56	+1·27	+1·78	+2·76	+2·58	+0·90	−1·77
November .	+0·64	−0·14	−0·16	+0·56	+0·50	+1·04	+1·02	+1·62	+2·37	+2·21	+0·69	−1·51
December. .	+0·67	+0·09	−0·36	+0·13	+0·42	+0·63	+0·58	+0·86	+1·17	+1·78	+1·12	−0·56

Corrections to Monthly Mean Values for the different Observation Hours.—Table VII. furnishes corrections to be applied in each month to the Mean of the Observations taken at Toronto at any one of the observation hours in that month. By this table the Mean Declination, as it would have been obtained (according to the results of six years of hourly observation) by twenty-four observations at equal intervals in each day, may be assigned for the Mean of Observations taken at one only of the observation hours. The Declinations being West, the corrections must be applied with the same signs as those in the Table.

Remarks on the Annual and Diurnal Variations.—It is well known that in the middle latitudes, geographical and magnetical, of both hemispheres, the north end of the magnet, in its mean diurnal course, has its extreme east and west positions about the hours of 7 or 8 A.M. and of 1 or 2 P.M.; having in the northern hemisphere its eastern extreme at the earlier hour, and its western extreme at the later hour, and in the southern hemisphere conversely, its western extreme at the earlier or forenoon hour, and its eastern at the later or afternoon hour. The Abstracts in the first volumes of the Toronto and Hobarton Observations respectively, have shown that the mean diurnal variation at those stations is in conformity with this law; the precise epoch of both extremes is somewhat earlier at Toronto than at Hobarton; but passing by for the moment this small difference, we may state in general terms that the principal features of the mean diurnal variation at Toronto and Hobarton consist in the north end of the magnet being at about 7 or 8 A.M. at its greatest eastern extreme at Toronto and western at Hobarton, and at about 1 or 2 P.M. its greatest western extreme at Toronto and eastern at Hobarton; the north end of the magnet being thus at opposite extremes of its diurnal course at the same hours of local time in opposite hemispheres. Let us now direct our attention to the *Annual* Variations at these hours respectively, taking first the forenoon period, or 7 to 8 A.M.

We find at Toronto at this hour an annual variation, of which the principal feature is, that at the northern solstice the north end of the magnet is at the eastern extreme of a periodical movement, which, apart from, and independently of, all other movements whatsoever, has its opposite or western extreme at the period of the southern solstice, and returns into itself at the next return of the northern solstice. It is, therefore, strictly an *Annual Variation*, or a variation whose period is a year. Its amount at the hour of 7 to 8 A.M. is at Toronto about five minutes of Declination.

If now we turn our attention to Hobarton at the same hour of local time, we find an Annual variation existing there also, which in character and amount is almost precisely the same as that which has been described at Toronto. In the mean *Diurnal* Variation at these stations, as already mentioned, 7 or 8 A.M. is the local hour for the extreme *easterly* elongation at Toronto, and *westerly* at Hobarton; but such inversion does not take place in the *Annual* Variation. On the contrary, at Hobarton as well as at

Toronto, the period of the northern solstice is that of the eastern extreme in the annual variation which the north end of the magnet undergoes, whilst the southern solstice is in like manner at both stations the period of the western extreme of the annual variation.

If from Toronto and Hobarton we pass to the consideration of the phenomena at St. Helena, a station differing widely, both geographically and magnetically, from either of the others, and, as situated within the tropics, partaking but very slightly in those climatic peculiarities of *season* by which extra-tropical stations are affected, we find at the same hour of 7 to 8 A.M. an annual variation almost precisely similar in character and amount to the phenomena described at Toronto and Hobarton. The northern solstice is here also the epoch of greatest eastern elongation, and the southern solstice that of greatest western elongation in the annual variation which the direction of the north end of the magnet undergoes. The amount of the periodical movement is also about five minutes of declination.

The Cape of Good Hope presents likewise at the same hour phenomena of annual variation which are almost precisely similar to those described at the three preceding stations. A plate has been engraved in the Philosophical Transactions for 1851, Art. XXVIII., in which this accordant annual variation at the four stations can be examined in greater detail than it is here described.

So far, then, as these four stations, so widely separated from each other, and so diversely situated, justify a generalisation, we may arrive at the conclusion that at the local hour of 7 to 8 A.M. the magnetic declination is *everywhere* subject to a variation of which the period is a year, and which is everywhere similar in character and amount, consisting of a movement of the north end of the magnet from east to west between the northern and the southern solstice, and a return from west to east between the southern and northern solstice, the amplitude of the variation being about 5 minutes of arc.

Such is the first and leading view of the phenomena of the annual variation at the hour of 7 to 8 A.M.; they are, as we have seen, sensibly the same in character and numerical amount at all the stations which form the basis of the generalisation.

When we follow the annual variation (still at the same hour) into further details—into those, for example, which mark the *periods of the year* which are the turning periods of the variation—we find a no less remarkable accordance. The turning periods are not, as many might be disposed to anticipate, those months in which the temperature at the surface of our planet, or of the subsoil, or of the atmosphere (as far as we possess the means of judging of the temperature of the atmosphere) attains its maximum and minimum. Stations so diversely situated would indeed present in these respects thermic conditions of great variety; whereas uniformity in the epoch of the turning periods is a not less conspicuous feature in the annual variation than is

similarity in character and numerical value. At all the stations the *solstices* are the turning periods of the annual variation at the hour of which we are treating. At each of the four stations we find the two months which precede and the two months which follow the northern solstice congregated together near one extremity of the annual range, whilst the two months which precede and the two which follow the southern solstice, are in like manner congregated near the other extremity of the range, the intermediate months ranging intermediately; whilst from the observations at St. Helena and the Cape of Good Hope, where, by reason of the diminished occurrence and amount of the so-called irregular disturbances, we are able from observations of a definite duration to obtain a more precise insight into the march of the phenomena, we find that we can trace the epoch of the passage through the mean position (or the position which is a mean between the extremes of the annual variation) almost to the very day of the equinox.

If then we permit ourselves to imagine the annual variation at 7 or 8 A.M. to be represented, as it is represented in Plate I., by a dark vertical line of about five inches in length, corresponding to the same number of minutes of declination, and if we further imagine this line, having the several months marked upon it in their respective places, to be incapable of inversion, but capable of being moved upwards and downwards in a vertical direction, so that at one station it may be altogether *above* a horizontal line indicating the mean declination, or mean position of the north end of the magnet in all the months and at all the hours, whilst at a second station at the same hour it may be altogether *below* a mean declination line, and at a third and fourth station it may be intersected in its length by the mean declination line, we at once figure to ourselves the combined phenomena of the annual and diurnal variations at Toronto, Hobarton, St. Helena, and the Cape at the hour of 7 to 8 A.M., local time, at each of the stations. At Toronto, in the northern hemisphere, the vertical line of annual variation is in its whole length *above*, or to the *east* * of the horizontal line which marks the mean declination; so that in every month of the year the declination at the hour of 7 to 8 A.M. is to the east of the mean declination at all the hours and in all the months. At Hobarton, in the southern hemisphere, the vertical line of the annual variation is, on the other hand, in its whole length *below*, or to the *west* of the horizontal line which marks the mean declination; so that in every month of the year the declination at the hour of 7 to 8 A.M. is to the west of the mean declination. At St. Helena and the Cape, which in one sense at least may be classed together as magnetically equatorial stations, the position of the vertical line of annual variation, in reference to that of the line of mean declination, is nearly midway between the extreme positions which it occupies at Toronto and Hobarton. It is

* In the plates in these volumes illustrating the periodical variations of the declination, the upper part of the plate always represents the East, and the lower the West.

crossed and nearly bisected by the line of mean declination, so that at St. Helena and the Cape, during the months when the sun is north of the equator, the direction of the north end of the magnet is to the *east*, and during the months when he is to the south of the equator, to the *west* of the line of mean declination.

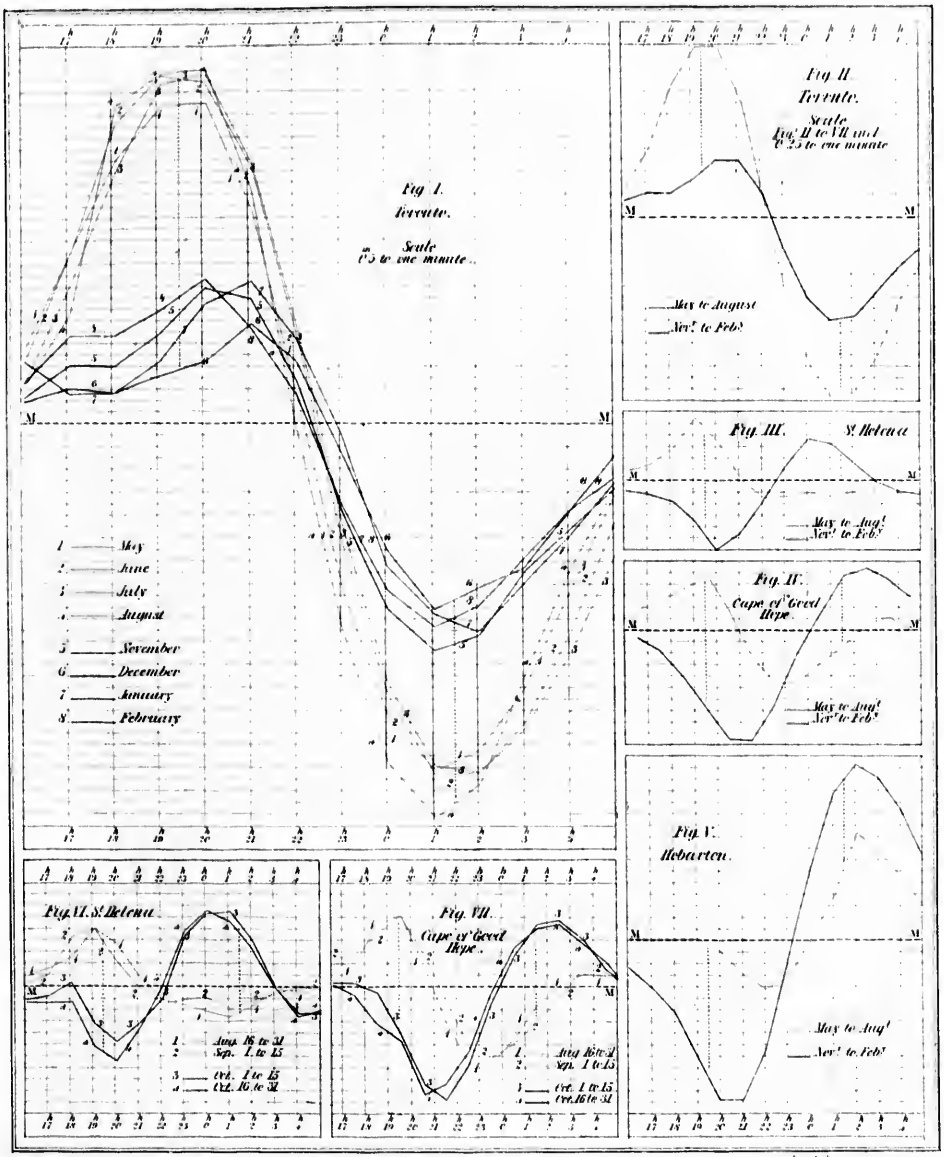
It is the existence of an annual variation everywhere of some minutes in amount, which chiefly prevents the realization in nature of the *à priori* supposition, that the horary variation, or the horary departure of the direction of the magnet from its mean direction in the 24 hours, would vanish in the equatorial regions, or in passing from the northern to the southern magnetic hemisphere. It is indeed possible (not at all hours, but still keeping to the hour of 7 to 8 A.M., as compared with the mean declination at all the hours and in all the months), so to group the phenomena as to afford *on the mean of the whole year* an apparent realization of the above supposition; but it would be merely apparent and illusive, having no true conformity with the reasonings on which such a supposition was propounded by the eminent persons by whom it was not unnaturally entertained previous to the evidence which a complete system of observation, such as we now possess, was alone adequate to afford. Such an illusory disappearance at St. Helena of the horary variation would be obtained by combining the opposite variations at 7 or 8 A.M. of the two six-monthly periods into a mean, in which the opposite signs by which they are characterized in the different months would nearly counterbalance each other in their sum. But the only periods of the year in which the diurnal or horary variation at that hour does actually disappear are at the equinoxes, when the sun is passing from the one hemisphere to the other, and when the magnetic direction, in the course of its annual variation from east to west, or *vice versâ*, coincides with the direction which is the mean declination of all the months and of all the hours.

If we now direct our attention to the hour of 1 to 2 P.M., the hour at which the north end of the magnet is at the *western* extreme of its *diurnal* range at Toronto, and at the *eastern* extreme at Hobarton, we find that at this hour also there is in the *annual* variation no inversion in the opposite hemispheres. The months adjacent to the one solstice are near one and the same extreme of the annual range at Toronto and Hobarton; and the months adjacent to the other solstice are near the opposite extreme alike at both these stations. The order of the months in the annual range is indeed different at 1 to 2 P.M. from what it was at 7 to 8 A.M., the deflection being at 1 to 2 P.M. to the west at the northern solstice, and to the east at the southern solstice. But the point under present consideration is the comparison of the two stations at one and the same hour; and in this respect we find the phenomena shown by the annual and diurnal variations at 1 to 2 P.M. analogous to that which has been described at 7 to 8 A.M. in presenting an opposite deflection at Toronto and Hobarton in the diurnal variation, and a similar deflection in the annual variation. The annual variation is obviously connected with, and dependent on, the earth's position in its orbit relatively

to the sun around which it revolves, as the diurnal variation is connected with and dependent on the rotation of the earth on its axis, by which each meridian successively passes through every angle of inclination to the sun in the round of 24 hours.

The seven figures in Plate II. have been drawn to illustrate the principal points of this discussion. In fig. 1 the combined annual and diurnal variations at Toronto are represented during the hours of the day, being the hours when the phenomena of both are most marked. The red lines show the actual march of the declination in the months of May, June, July and August, relatively to the mean declination in all the months and all the hours represented by the horizontal line M M, and are projected from the data in Table VII.; the blue lines show in like manner the march of the declination in the months of November, December, January and February, at the respective hours relatively to the same line, and taken from the same table. It is here seen that the months of May, June, July and August,—being the two months immediately preceding and the two months immediately following the northern solstice,—are almost identical with each other, and can scarcely be distinguished apart; whilst on the other hand, November, December, January, and February—the two months immediately preceding and the two months immediately following the southern solstice—differ greatly from the former, but closely resemble each other. The slightly darkened portions of the verticals at each hour show the annual variation at the several hours. The positions which the months intermediate between the two solstitial groups hold in the annual range are omitted in this plate, to avoid the multiplicity of lines, but they may be referred to in the corresponding projections in Plate I. As a consequence of the *diurnal* variation, the annual variations in the hours of the forenoon are found at Toronto, when exhibited in their true declination values, *above*, or to the *east* of the line M M, and in the hours of the afternoon, *below*, or to the *west* of the same line. The scale in this figure is half an inch to one minute of declination. In fig. 2 the phenomena at Toronto are again represented, but in smaller dimension, for the purpose of being seen in comparison with the corresponding phenomena at St Helena, the Cape, and Hobarton, severally exhibited in figs. 3, 4, and 5. In figs. 2, 3, 4, and 5 the two solstitial groups in each figure are represented by a single line, their components being, in fact, scarcely separable on so small a scale. The group of the northern solstice is in each figure characterised by the red colour, and the southern solstitial group by blue. It is seen that at the hour of 7 to 8 A.M. (19^h to 20^h) the red lines are uppermost at all the stations, and the annual variation at that hour shown by the dotted verticals is everywhere nearly of the same amount. At 1 to 2 P.M. the blue line is in like manner uppermost at all the stations, and the dotted verticals vary but little in magnitude. At 7 to 8 A.M. (19^h to 20^h) the dotted vertical showing the annual variation is, at Toronto, in its whole length above, or to the east of the line of mean declination M M; at St. Helena and the Cape it is crossed and nearly bisected by that line, and at Hobarton it is in its whole length below, or to the west of M M. At

Illustrations of the Annual an. Diurnal Variations of the Declination



Toronto 7 to 8 A.M. is the hour at which the north end of the magnet, in its diurnal range, is in all the months of the year at the extreme east of its diurnal range, whilst at Hobarton, at the same hour (or nearly so, rather later at Hobarton), it is at the extreme west of its diurnal range; but at both stations the northern solstitial group is at the eastern, and the southern solstitial group at the western extreme of the annual range. At 1 to 2 P.M. the analogy of the phenomena of the annual and diurnal variation is maintained, but all is in the converse order.

Figures 6 and 7 are introduced for the purpose of showing the precise epoch when the diurnal variation undergoes that portion of its semi-annual change which is due to the annual variation. They represent respectively the phenomena at St. Helena and at the Cape of Good Hope. The two projections which are coloured red in each figure exhibit the diurnal variations in the two fortnights which precede the September equinox, and the two projections coloured blue the two fortnights which follow the equinox. The projections preceding the equinox correspond with each other in the character of their diurnal variation, as do the fortnights following the equinox; but the two fortnights which precede are altogether distinct in character from the two which follow the equinox; a distinction which is due to the change in the annual variation which is there seen to take place precisely at the equinox itself. The last fortnight in August and the first fortnight in September are scarcely distinguishable from the northern solstitial group (May to August, inclusive) in figs. 3 and 4; and the two fortnights in October are in like manner scarcely distinguishable from the southern solstitial group (November to February, inclusive) in the same figures. The epoch of change is coincident with the sun's passage of the Equator.

Variation of the Diurnal Range.—Table VIII. shows the inequality, or variation in the amount, of the mean diurnal range of the declination in different years, and in different seasons of those years. The general tables, in which the observations of the declination are recorded, exhibit the mean diurnal variation for every month; the extreme east and west positions of the magnet occurring at any two hours in the monthly means indicate the average magnitude, or the range, of the diurnal variation in that month. Table VIII. shows the means of the average magnitudes or ranges in the four months constituting the respective seasons, and in the twelve months constituting the year, from 1841 to 1851, inclusive. It will be remembered that up to the end of June, 1842, the observations were made only at the even hours of Göttingen time, which were also even hours of Toronto time; and that from July 1842 to June 1848, inclusive, they were made hourly. From July 1848 to December 1851 the number of observation hours was much reduced, and was occasionally varied; but they were always arranged with a view to include, as far as could conveniently be done, the hours of maximum and minimum declination depending upon the diurnal variation.

TABLE VIII.

Mean Magnitude of the Diurnal Range of the Declination from 1841 *to* 1851 *inclusive.*

YEARS.	Winter.	Spring and Autumn.	Summer.	Mean of the whole Year.	YEARS.
	November, December, January, February.	March, April, September, October.	May, June, July, August.		
1841	6′·67	9′·46	12′·38	9′·50	1841
1842	5·67	8·87	11·48	8·67	1842
1843	5·64	9·36	11·70	8·90	1843
1844	5·70	8·74	12·17	8·87	1844
1845	5·73	9·15	13·36	9·41	1845
1846	6·33	9·21	12·27	9·27	1846
1847	7·28	10·08	13·84	10·40	1847
1848	9·48	11·04	15·82	12·11	1848
1849	8·25	12·25	14·80	11·77	1849
1850	8·01	10·90	13·74	10·88	1850
1851	7·01	10·82	12·61	10·15	1851

Analysis of the larger Disturbances of the Declination.—For the purpose of investigating the laws which regulate the occurrence of the class of magnetic disturbances of the declination which are called in the Royal Society's Instructions the "Irregular Variations," all the observations taken in the seven and a-half years from January 1841 to July 1848 inclusive (two-hourly to June 30th, 1842, and hourly from July 1st, 1842, to June 30th, 1848), which differed to an amount of five scale divisions, or 3′·6 of declination, from the mean or normal position of the magnet in the same month and at the same hour, were separated from the remainder of the observations, and have been submitted to an examination of which the results are contained in the following pages. The number of observations thus separated amounted in the seven and a-half years to 5,322; the number of observations from which they were taken was, in the same period, 50,097; the disturbed observations consequently averaged 1 in 9·4 of the whole number. The ratio in different years varied considerably, as will be seen by the following Table:—

TABLE IX.

YEARS.	Number of Observations.	Number of Disturbed Observations.	Ratio of the Disturbed Observations to the whole number.	YEARS.	Number of Observations	Number of Disturbed Observations.	Ratio of the Disturbed Observations to the whole number.
1841	3,606	570	1 : 6·3	1845	7,455	567	1 : 13·1
1842	5,635	606	1 : 9·3	1846	7,464	1,031	1 : 7·2
1843	7,463	472	1 : 15·8	1847	7,272	941	1 : 7·7
1844	7,482	596	1 : 12·6	1848	3,720	538	1 : 6·9

The column of ratios shows that 1843, 1844, and 1845, were years in which the proportion of observations affected by a certain amount of disturbance was much

smaller than the preceding years 1841 and 1842, or than the following years 1846, 1847, and 1848.

Table X. shows the aggregate values of the disturbed observations in the different years in scale divisions, one scale division = 0′·721 of declination. The values in this Table respectively divided by the *numbers* in Table IX. show the *average value* of a disturbed observation in each of the years. It is seen by this Table that the average values were, generally speaking, highest in the years when the number of observations affected by a certain definite amount of disturbance was greatest; 1844 the most marked exception.

TABLE X.

Aggregate Values and Average Values of the Disturbed Observations in the different Years.

YEARS.	Aggregate Value of the Disturbed Observations.	Average Value of a Disturbed Observation.	YEARS.	Aggregate Value of the Disturbed Observations.	Average Value of a Disturbed Observation.
	Sc. Div.	Sc. Div.		Sc. Div.	Sc. Div.
1841	5013·5	8·8	1845	4584·6	8·1
1842	4951·5	8·2	1846	9231·4	8·9
1843	3671·8	7·8	1847	10296·3	10·9
1844	5345·9	9·0	1848	5261·4	9·8

Table XI. exhibits the disturbed observations in different years, divided into their easterly and westerly components, both of numbers and aggregate values; as well as the average value of an easterly and of a westerly disturbance in each year.

TABLE XI.

YEARS.	EASTERLY.		WESTERLY.		AVERAGE VALUES.		YEARS.
	Numbers.	Values.	Numbers.	Values.	Easterly.	Westerly.	
		Sc. Div.		Sc. Div.	Sc. Div.	Sc. Div.	
1841	282	2586·4	288	2427·1	9·2	8·4	1841
1842	327	2700·8	279	2250·7	8·3	8·1	1842
1843	268	2100·6	204	1571·2	7·8	7·7	1843
1844	327	2999·1	269	2346·8	9·2	8·7	1844
1845	298	2442·8	269	2141·8	8·2	8·0	1845
1846	547	5068·7	484	4162·7	9·3	8·6	1846
1847	532	5020·4	409	5275·9	9·4	12·9	1847
1848	288	3030·3	250	2231·1	10·5	8·9	1848
Sums.	2,871	25949·1	2,452	22407·3	71·9	71·3	Sums.

The average values of an easterly and a westerly disturbed observation appear, on the mean of the eight years, to be nearly equal. The average value of an easterly disturbance was somewhat higher than that of a westerly disturbance in all the years except 1847, when the average value of a westerly exceeded, by a considerable amount, that of an easterly disturbed observation.

The numbers and aggregate values of the easterly disturbances preponderate in the mean of all the years, as well as in each separate year, except 1841, when there was a slight excess in the number of westerly disturbances, and 1847, when there was a slight excess in the aggregate values of the westerly disturbances. The ratio of easterly to westerly numbers and values in the 7¼ years is, of numbers 1·17 to 1, and of values 1·16 to 1.

The numbers and aggregate values in Tables IX. and X. are not strictly intercomparable in the several years, because in 1841, and in the first six months of 1842, the observations were two-hourly, whilst in all the other years they were hourly, and in 1848 because the observations, although hourly, include only the first six months of that year. To render the whole intercomparable at once by the eye, the numbers and aggregate values in 1841 and 1848 require to be doubled, and those of 1842 to be augmented in the proportion of 4 to 3: this is done in Table XII.

TABLE XII.

YEARS.	Numbers.	Values.	YEARS.	Numbers.	Values.
		Sc. Div.			Sc. Div.
1841	1,140	10027·0	1845	567	4584·6
1842	808	6602·0	1846	1,031	9231·4
1843	472	3671·8	1847	941	10296·3
1844	596	5345·9	1848	1,076	10522·8

1843 is the year of minimum and 1848 of maximum disturbance, both in numbers and values; and between those years there is an approximate progression. If we take the means of the numbers and of the values in the years 1843 to 1848, inclusive, as the respective units, we obtain the ratios of the numbers and aggregate values in the several years as follows:—

TABLE XIII.

		Numbers.	Values.			Numbers.	Values.
Units . . .		780·5	Sc. Div. 7275·5	Units . . .		780·5	Sc. Div. 7275·5
Ratios	1841	1·46	1·38	Ratios	1845	0·73	0·63
	1842	1·04	0·91		1846	1·32	1·27
	1843	0·61	0·50		1847	1·21	1·42
	1844	0·76	0·73		1848	1·38	1·45

Tables XIV. and XV. show the numbers and aggregate values of the disturbed observations, distributed into the several *months* of their occurrence.

TABLE XIV.

Number of the Disturbed Observations in different Months.

MONTHS.	1841	1842	1843	1844	1845	1846	1847	1848	Sums.
January . .	24	27	13	19	56	35	24	79	277
February . .	43	58	25	26	40	25	54	99	370
March . .	35	31	29	63	32	53	75	112	430
April . . .	35	33	55	70	58	64	120	94	529
May . . .	51	21	50	42	36	96	65	106	467
June . . .	50	37	34	25	28	116	52	48	390
July . . .	86	119	82	46	45	129	67	—	574
August . .	72	60	48	80	72	166	81	—	579
September .	58	82	64	78	79	156	137	—	654
October . .	46	64	39	56	47	117	84	—	453
November .	35	56	17	54	32	53	90	—	337
December .	35	18	17	37	42	21	92	—	262
Sums . .	570	606	473	596	567	1,031	941	538	5,322

TABLE XV.

Aggregate Values of the Disturbed Observations in different Months.

MONTHS.	1841	1842	1843	1844	1845	1846	1847	1848	Sums.
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
January . .	194·2	219·5	117·3	146·2	472·1	313·2	188·1	687·6	2338·2
February . .	384·8	443·7	252·1	238·3	293·4	226·4	453·8	1191·4	3483·9
March . .	308·6	211·8	216·7	656·6	241·1	494·2	790·3	1000·6	3919·9
April . . .	286·2	317·5	460·6	681·6	406·5	593·0	1298·4	1131·9	5175·7
May . . .	387·6	142·7	364·3	355·3	244·2	772 0	717·9	939·9	3923·9
June . . .	372·6	307·5	251·8	168·3	199·7	940·5	396·3	310·0	2946·7
July . . .	683·2	1099·7	670·2	353·8	349·6	1102·3	610·6	—	4869·4
August . .	609·2	504·0	334·9	616·2	626·9	1544·1	660·7	—	4986·0
September .	626·7	623·9	458·7	784·7	675·0	1480·9	1758·4	—	6408 3
October . .	417·8	458·1	297·3	547·2	436 7	1070·7	1220·0	—	4447·8
November .	325·7	500·4	122·5	489·4	277·6	507·2	832·8	—	3055·6
December. .	326·9	122·7	125·4	308·3	361·8	186·9	1369·0	—	2801·0
Sums . .	5013 5	4951·5	3671·8	5345·9	4584·6	9231·4	10296·3	5261·4	48356·4

As the numbers and values in 1841, and in the first six months of 1842, in Tables XIV. and XV., are derived from two-hourly observations, the *mean* monthly numbers and values in the months from January to June, inclusive, are obtained by dividing the monthly sums by 7, and those from July to December, inclusive, by dividing the monthly sums by 6·5. The respective quotients are shown in Table XVI.

TABLE XVI.

Mean Monthly Numbers and Values of the Disturbed Observations.

MONTHS.	Numbers.	Values.	MONTHS.	Numbers.	Values.
		Sc. Div.			Sc. Div.
January . .	39·6	334·0	July . . .	88·3	749 1
February . .	52·9	497·7	August . .	89 1	767·1
March . .	61·4	560·0	September .	100·6	985·9
April . . .	75·6	739·4	October . .	69·7	684·3
May . . .	66·7	560·6	November .	51·8	470·1
June . . .	55·7	421·0	December .	40·3	430·9

If the mean of the twelve monthly numbers (66) and of the twelve monthly values (600·0 sc. div^{ns}.) are taken as units, the ratios in the several months are obtained as follows:—

TABLE XVII.

MONTHS.	Numbers.	Values.	MONTHS.	Numbers.	Values.
January . .	0·60	0·56	July . . .	1·34	1·25
February . .	0·80	0·83	August . .	1·35	1·28
March . .	0·93	0·93	September .	1·53	1·64
April . . .	1·15	1·23	October . .	1·05	1·14
May . . .	1·00	0·93	November .	0·78	0·78
June . . .	0·84	0·70	December .	0·61	0·72

April and September are the months of maxima, December or January, and June those of minima, both in numbers and values. The September maximum is higher than the April maximum; and the December or January minimum is lower than the June minimum. The maxima occur about the time of the equinoxes; the minima about the solstices.

Table XVIII. exhibits the mean monthly numbers and aggregate values in the different months, separated into their easterly and westerly components.

TABLE XVIII.

MONTHS.	EASTERLY.		WESTERLY.		MONTHS.	EASTERLY.		WESTERLY.	
	Numbers.	Values.	Numbers.	Values.		Numbers.	Values.	Numbers.	Values.
		Sc. Div.		Sc. Div.			Sc. Div.		Sc. Div.
January .	19·6	175·8	20·0	158·2	July . .	50·0	435·1	38·3	314·0
February .	26·7	261·5	26·2	236·2	August . .	48·6	441·7	40·5	325·4
March . .	32·8	313·4	28·6	246·6	September .	58·2	522·8	42·4	463·1
April . .	40·9	394·2	34·7	315·2	October .	36·0	359·7	33·7	324·6
May . .	36·0	301·9	30·7	258·7	November .	25·8	226·5	26·0	243·6
June . .	33·9	268·3	21·8	152·7	December .	18·3	159·4	22·0	271·5

If the means of the twelve monthly numbers (35·6 and 30·4) and of the twelve monthly values (321·7 and 278·3 sc. div^{ns}.) are taken as units, the ratios in the several months are obtained as follows:—

TABLE XIX.

MONTHS.	EASTERLY.		WESTERLY		MONTHS.	EASTERLY.		WESTERLY.	
	Numbers.	Values.	Numbers.	Values.		Numbers.	Values.	Numbers.	Values.
January .	0·55	0·55	0·66	0·57	July . .	1·40	1·35	1·26	1·13
February .	0·75	0·81	0·86	0·85	August . .	1·37	1·37	1·33	1·17
March . .	0·92	0·97	0·94	0·89	September .	1·63	1·63	1·39	1·66
April . .	1·15	1·23	1·14	1·24	October .	1·01	1·12	1·11	1·17
May . .	1·01	0·94	1·01	0·93	November .	0·73	0·70	0·85	0·88
June . .	0·95	0·83	0·72	0·55	December .	0·51	0·50	0·72	0·98

It is seen by Table XIX. that both the easterly and the westerly disturbances follow the same general law as that derived from their conjoint consideration in the remarks on Table XVII.; the equinoxes are the epochs of maximum and the solstices of minimum, both of numbers and values.

Table XX. shows the ratios of the easterly to the westerly numbers and values of the disturbed observations, the westerly numbers and values in each month being taken as the units.

TABLE XX.

Ratios of Easterly to Westerly Disturbances in the several Months.

MONTHS.	Numbers.	Values.	MONTHS.	Numbers.	Values.
January . .	0·98	1·11	July . . .	1·31	1·39
February . .	1·02	1·11	August . .	1·20	1·36
March . .	1·15	1·27	September .	1·37	1·13
April . . .	1·18	1·14	October . .	1·07	1·11
May . . .	1·17	1·17	November .	0·99	0·93
June . . .	1·56	1·76	December .	0·83	0·59

The preponderance of easterly over westerly disturbances is greatest in June and least in December; generally speaking, there is a progressive increase in the numbers and values of easterly disturbances, compared with westerly, from December to June, and a progressive decrease from June to December. The mean ratios in the months of November, December, and January are in numbers 0·94, and in values 0·84; in the months of May, June, and July, in numbers 1·32, and in values 1·39.

The average value of a disturbed observation in each of the months is as follows:—

TABLE XXI.

MONTHS.	Average Values.	MONTHS.	Average Values.
	Sc. Div.		Sc. Div.
January . .	8·4	July . . .	8·5
February . .	9·4	August . .	8·6
March . .	9·1	September .	9·8
April . . .	9·8	October . .	9·8
May . . .	8·4	November .	9·1
June . . .	7·6	December .	10·7

The average value of a disturbed observation is less in June than in the other months, and generally less in May, June, and July, than at other periods of the year.

The average values of the easterly and westerly constituents, viewed separately, show each a similar influence of the period of the year to that which is presented by them when viewed conjointly. The range of the average values of the easterly is considerably greater, and appears more irregular, than that of the westerly disturbed observations.

The numbers and values of the easterly and westerly constituents of the disturbed observations distributed into the *hours* of their respective occurrence are as follows:—

TABLE XXII.

Number of Easterly and of Westerly Disturbed Observations at the several Hours.

Toronto Astron. Time.	EASTERLY.								WESTERLY.							
	1842	1843	1844	1845	1846	1847	1848	Means.	1842	1843	1844	1845	1846	1847	1848	Means.
18	11	12	14	10	20	14	12	16	10	12	18	15	24	11	13	17
19	9	14	8	11	19	18	10	15	9	5	17	14	23	21	15	17
20	8	4	5	10	20	22	13	14	9	6	16	17	26	28	16	20
21	10	8	8	8	16	22	15	14	7	13	14	16	28	25	15	20
22	5	7	7	10	17	27	9	14	7	13	16	18	23	28	13	20
23	5	9	11	11	18	18	11	14	7	11	14	14	25	22	15	17
0	6	9	5	5	15	14	9	10	11	15	10	17	14	23	9	15
1	5	9	6	6	13	10	10	10	5	12	12	11	10	16	11	13
2	3	1	5	4	8	12	10	7	8	8	11	8	5	15	14	11
3	3	3	4	1	6	15	8	7	5	10	13	12	17	14	14	14
4	3	4	5	3	16	12	7	8	2	12	8	12	18	18	10	15
5	6	3	7	5	15	13	5	9	6	5	10	5	20	21	9	13
6	7	10	10	7	18	23	4	13	5	6	7	6	20	16	6	11
7	8	12	19	13	32	18	12	19	7	8	3	7	18	11	6	10
8	18	23	23	19	33	27	10	25	7	5	5	6	16	14	4	9
9	16	28	31	27	37	33	20	32	1	1	4	4	20	10	7	8
10	16	22	35	28	37	29	12	30	5	3	4	1	19	7	4	7
11	14	13	29	15	36	37	20	27	3	5	9	1	22	7	6	9
12	14	17	25	24	35	29	19	27	10	3	10	10	16	14	3	11
13	11	17	19	18	32	34	17	25	9	11	8	9	23	18	9	14
14	10	14	14	15	29	27	12	20	14	10	10	15	21	22	15	18
15	6	8	11	19	26	26	16	19	11	7	18	17	26	17	9	17
16	11	10	12	12	27	26	15	19	13	10	16	17	26	20	15	19
17	10	11	14	17	22	26	12	19	13	14	16	17	24	11	12	18
Means	9	11	14	12	23	22	12	17	8	9	11	11	20	17	10	14

Tables XXII. and XXIII. comprise the disturbed observations occurring in the hourly series from July 1, 1842, to June 30, 1848; consequently in each of the years 1842 and 1848 the observations of six months only are included.

Table XXIII.

Aggregate Values of the Easterly and Westerly Disturbed Observations at the several Hours, in Scale Divisions.

Toronto Astron. Time.	EASTERLY.								WESTERLY.							
	1842	1843	1844	1845	1846	1847	1848	Means.	1842	1843	1844	1845	1846	1847	1848	Means.
18	68·4	86·5	98 3	67·1	158·9	112·9	84·1	112·7	74·1	116·6	189·3	119·9	255·5	336·3	116·7	201·4
19	64·9	85·4	55·6	65·4	135·1	121·6	73·3	100·2	90·9	48·9	186·1	110·6	285·8	755·5	151·3	271·5
20	52·9	24 8	23·5	69·3	121·4	163·2	100·8	94·3	86·3	52·1	146·5	168·7	321·3	464·4	173·0	235·4
21	59·8	56·5	47·1	44·1	102·4	148·9	124·0	97·1	65·4	106·8	112·2	144·8	319·4	384·5	183·2	219·4
22	33·5	47·0	45·1	57·6	105·2	199·8	67·3	92·6	60·1	87·9	128·0	159·1	196·0	281·6	128·9	173·6
23	32·2	55·2	81·0	69·6	111 2	173·4	81·2	100 6	66·0	66·8	107·2	121·3	185·9	184·7	104·6	139·4
0	35·9	52·8	34·3	33·6	95·4	101·6	67·5	70·2	73·8	96·9	74·9	134·6	99·0	180·7	80·7	123·4
1	39·3	49·1	39·9	34·0	81·8	107·4	61·4	68 8	32·7	86·9	82·5	73·3	68·0	106·0	88·5	89·7
2	30·3	6·7	30·6	24·8	54·4	82·0	90·1	53·2	51·9	59·6	102·5	54·5	52·2	116·7	105·8	90·5
3	24 6	15·5	25·3	5·4	44·1	124·4	63·9	50·5	31·7	69·9	94·6	74·1	115·7	104·8	111·3	100·4
4	38·2	24 5	34·9	19·1	111·2	98·3	74·7	66·8	11·1	103·1	63·7	88·6	132·2	139·7	71·7	101·7
5	42·0	24·6	65·6	34·1	115·9	115·9	55·3	75·6	39·7	55·2	78·5	33·7	158·3	153·6	72·5	98·6
6	56·0	98·4	79·0	51·9	211·7	319·1	29·8	141·0	26·1	60·8	52·4	41·6	146·1	145·3	42 9	85·9
7	72·9	86·6	155·3	114·8	388·2	171·2	101·0	181·7	44·4	72·2	20·5	50·7	125·8	90·6	54·4	76·4
8	185·0	214·7	289·0	152·9	341·3	306 6	129·8	269·9	45·6	41·2	35·6	43·2	106·1	109·0	27·9	68·1
9	117·1	240·8	326·9	303·6	493·9	355·8	388·4	371·1	8·5	5·6	24·7	36 0	136·1	94·4	48·3	58·9
10	154·5	206·1	402·4	254·3	410·2	333·5	118·8	313·3	35·4	19 9	26·1	33·2	140·1	141·3	34·4	71·7
11	159·9	134·5	232·3	140·4	327·3	388·1	215·9	266·4	24·9	38·2	92·3	6·9	126·6	69·0	44·0	67·0
12	155·0	118·5	223·4	185 9	342·8	259·0	214·3	249·8	68·7	22·2	122·3	68·1	137·7	203·8	29·5	108·7
13	82·9	130·1	193·5	171·5	336·6	327·7	191·1	238·9	88·7	77·9	71·5	74·5	228·1	239·3	127·8	151·3
14	84·0	108·4	142·0	136·1	269·3	295·3	165·2	200·1	127·3	64·8	81·9	119·1	172·4	213·6	129·9	151·5
15	59·6	67·7	128·0	154·7	236·5	226·8	222·7	182·7	90·4	45·4	142·4	123·3	209·9	168·7	75·7	142·6
16	80·1	84·5	132·1	123·3	295·5	254·7	190·1	193·4	116·4	52·4	147·9	129·3	2[illegible]	212·7	126·7	168·2
17	103·4	81·7	104·0	129·3	178·4	233·2	119·6	158·3	116·3	119·9	163·2	132·7	220·8	379·7	101·4	205·7
Means	76·3	87·5	125·0	101·8	211·2	209·2	126·3	156·2	61·5	65·5	97·8	89·2	173·5	219·8	93·0	133·4

TABLE XXIV.

Ratios of the Easterly and Westerly Numbers and Values at the different Hours to the Mean Hourly Numbers and Values taken as the respective Units.

Toronto Astronomical Time.	EASTERLY.		WESTERLY.		Toronto Astronomical Time.
	Numbers.	Values.	Numbers.	Values.	
h.					h.
18	0·93	0·72	1·24	1·51	18
19	0·88	0·64	1·24	2·03	19
20	0·81	0·60	1·46	1·76	20
21	0·81	0·62	1·46	1·64	21
22	0·81	0·59	1·46	1·30	22
23	0·81	0·64	1·24	1·04	23
0	0·58	0·44	1·09	0·93	0
1	0·58	0·44	0·95	0·67	1
2	0·41	0·34	0·80	0·68	2
3	0·41	0·32	1·02	0·75	3
4	0·47	0·43	1·09	0·76	4
5	0·52	0·48	0·95	0·74	5
6	0·76	0·90	0·80	0·64	6
7	1·16	1·16	0·73	0·57	7
8	1·45	1·73	0·66	0·51	8
9	1·86	2·38	0·58	0·49	9
10	1·74	2·00	0·51	0·54	10
11	1·57	1·71	0·66	0·50	11
12	1·57	1·60	0·80	0·81	12
13	1·45	1·53	1·02	1·13	13
14	1·16	1·28	1·31	1·14	14
15	1·10	1·17	1·24	1·07	15
16	1·10	1·24	1·39	1·26	16
17	1·10	1·01	1·31	1·54	17

When we examine the ratios presented in this table we at once perceive that the occurrence of easterly and westerly disturbances, and their distribution in the several hours, are regulated by different laws. The easterly are below the average both in number and value during the hours of the day, or from 6 A.M. to 6 P.M., and above the average during the hours of the night, or from 6 P.M. to 6 A.M.; whilst the westerly are below the average both in number and value from about noon to midnight, and above the average from midnight to noon. The easterly have a minimum both in number and value about 3 P.M., and a maximum about 9 P.M.; the westerly a minimum about 9 P.M. (at which hour the easterly have their maximum), and a minimum about 7 or 8 A.M. The hours from noon to 6 P.M. are those in which both easterly and westerly disturbances are below their respective averages, both in numbers and values: these are therefore the hours of least disturbance. From 6 A.M. to noon the deficiency, occasioned by the easterly being below their average in number and value, is in great part compensated by the higher ratios of the westerly disturbances at those hours. From 6 P.M. to midnight the westerly disturbances are below their average, but this deficiency of the westerly is much more than counterbalanced by the excess

of the easterly disturbances at these hours, which are consequently the hours of greatest disturbance.

The occasional differences between the ratios of the numbers and values at the same hours may doubtless be attributed in part to accidental irregularities, but they must also in great part be ascribed to systematic variations in the mean value of a disturbed observation at different hours. The following table shows the average values of the easterly and of the westerly disturbed observations at each hour obtained by dividing the aggregate values by the numbers.

TABLE XXV.

Showing the Average Value of an Easterly and of a Westerly Disturbed Observation at the several Hours, and the Ratios at each Hour to the Mean Value in the 24 Hours.

Toronto Astronomical Time.	AVERAGE VALUES.		RATIOS TO THE MEAN		Toronto Astronomical Time.
	Easterly Disturbances.	Westerly Disturbances.	Easterly Disturbances.	Westerly Disturbances.	
h.	Sc. Div.	Sc. Div.			h.
18	7·04	11·85	0·82	1·30	18
19	6·68	15·97	0·78	1·76	19
20	6·74	11·77	0·78	1·29	20
21	6·94	10·97	0·81	1·21	21
22	6·61	8·68	0·77	0·95	22
23	7·19	8·20	0·83	0·90	23
0	7·02	8·23	0·81	0·90	0
1	6·88	6·90	0·79	0·76	1
2	7·60	8·23	0·88	0·90	2
3	7·21	7·17	0·84	0·79	3
4	8·35	6·78	0·97	0·75	4
5	8·40	7·58	0·97	0·83	5
6	10·85	7·81	1·25	0·86	6
7	9·56	7·64	1·11	0·84	7
8	10·80	7·57	1·25	0·83	8
9	11·59	7·36	1·35	0·81	9
10	10·44	10·24	1·21	1·13	10
11	9·87	7·44	1·15	0·82	11
12	9·25	9·88	1·06	1·09	12
13	9·56	10·81	1·11	1·19	13
14	10·00	8·42	1·16	0·92	14
15	9·62	8·39	1·12	0·92	15
16	10·18	8·85	1·18	0·97	16
17	8·33	11·43	0·97	1·26	17
Mean Values in the 24 hours	8·61	9·09	8·61 = 1·00	9·09 = 1·00	Mean Values in the 24 hours

The average value of an easterly disturbed observation is systematically less during the hours of the day than during those of the night. It is less at *every* hour from 6 A.M. to 4 P.M., inclusive, than at *any* hour from 5 P.M. to 5 A.M.; it varies little in the day, but in the night hours has a tendency towards a maximum at 9 P.M. The average value of a westerly disturbed observation is less than its mean value in the 24 hours from 10 A.M. to 9 P.M., inclusive, and from 2 A.M. to 4 A.M., inclusive, it varies little at the hours from 11 A.M. to 11 P.M. (with the exception already noticed at

10 P.M.); it is about the same amount at those hours as the mean value of an easterly disturbed observation from 6 A.M. to 4 P.M. The value becomes very high from 6 to 9 A.M., inclusive, especially at 7 A.M.

In the case of the easterly disturbed observations there is a coincidence between the ratios of the aggregate values and the average values, both of which are low during the day and high during the night, the maximum of each occurring markedly at the same hour, 9 P.M. But in the case of the westerly disturbed observations, there does not appear to be any systematic connexion between the ratio of the aggregate values at the different hours and the average values at the same hours. The ratio of the numbers of the westerly disturbances is higher from 6 A.M. to 9 A.M., inclusive, when the mean values are also highest; but the ratio of the numbers is lowest at 10 P.M., when the mean value is high, and the ratio of the numbers is under unity at midnight and 1 A.M., when the mean values are systematically high.

The ratios of the numbers and values of the easterly to the westerly disturbed observations at the different hours are shown in the following table, in which the westerly numbers and values at the several hours are taken as the respective units.

TABLE XXVI.

Toronto Astronomical Time.	Numbers.	Values.	Toronto Astronomical Time.	Numbers.	Values.
h.			h.		
18	0·94	0·56	6	1·18	1·64
19	0·88	0·37	7	1·90	2·38
20	0·70	0·40	8	2·78	3·96
21	0·70	0·44	9	4·00	6 30
22	0·70	0·53	10	4·28	4·37
23	0·82	0·72	11	3·00	3·98
0	0·67	0·57	12	2·45	2·30
1	0·77	0·77	13	1·79	1·58
2	0·64	0·58	14	1·11	1·32
3	0·50	0·50	15	1·12	1·28
4	0·53	0·66	16	1·00	1·15
5	0·69	0·77	17	1·06	0·77

We perceive by this table how greatly and systematically the ratios vary according to the hour; they have their maximum from 9 to 10 P.M., and their minimum in numbers in the early hours of the afternoon, and in values at the early hours of the forenoon, the difference between the numbers and values in this respect being caused by the very high mean value of a westerly disturbance at the early hours of the forenoon. Easterly disturbances preponderate greatly both in numbers and values from 7 P.M. to midnight. At 9 P.M. the ratio of the easterly to westerly values is about *ten times* as great as on the average of the hours of the day. By this preponderance the character of the mean diurnal variation of the declination, whose laws of maximum, minimum, and progression are ordinarily very different from those of the dis-

turbances which we are now examining, must be more or less influenced at all stations where disturbances have a sensible value; and in extreme cases, viz., where the mean diurnal variation occasioned by the disturbances becomes great in numerical value in proportion to the diurnal variation produced by the different class of phenomena on which it is superimposed, it must, to a greater or less degree, give the character to the combined result. For the purpose of exhibiting the character of this law the following table has been formed, showing the excess of easterly or westerly disturbance at the different hours caused by the 3940 disturbances of largest amount occurring in the five years commencing July 1st, 1843, and ending June 30th, 1848; the excess in each case being divided by 1552 (the number of days of observation in the five years), the quotients show the mean diurnal variation caused by the larger disturbances, or the systematic effect produced by them on the direction of the magnet at the different hours.

TABLE XXVII.

Mean Diurnal Variation occasioned by the 3940 Disturbances of largest Amount occurring between July 1, 1843, and June 30, 1848.

Toronto Astronomical Time.	Excess of Easterly or Westerly Values at the different hours.	Mean Diurnal Variation occasioned by the Disturbed Observations.		Toronto Astronomical Time.	Excess of Easterly or Westerly Values at the different hours.	Mean Diurnal Variation occasioned by the Disturbed Observations.	
h.	Sc. Div.	Sc. Div.	Declination Values. ′	h.	Sc. Div.	Sc. Div.	Declination Values. ′
18	523·3 W.	0·34 =	0·24 W.	6	312·3 E.	0·21 =	0·15 E.
19	1041·2 W.	0·67 =	0·48 W.	7	593·3 E.	0·38 =	0·27 E.
20	820·2 W.	0·53 =	0·38 W.	8	972·0 E.	0·62 =	0·44 E.
21	717·1 W.	0·46 =	0·33 W.	9	1685·3 E.	1·09 =	0·78 E.
22	451·6 W.	0·29 =	0·21 W.	10	1217·3 E.	0·78 =	0·56 E.
23	202·6 W.	0·13 =	0·09 W.	11	994·6 E.	0·64 =	0·46 E.
0	265·7 W.	0·17 =	0·12 W.	12	714·7 E.	0·46 =	0·33 E.
1	114·6 W.	0·07 =	0·05 W.	13	524·3 E.	0·34 =	0·24 E.
2	174·7 W.	0·11 =	0·08 W.	14	295·0 E.	0·19 =	0·14 E.
3	257·5 W.	0·17 =	0·12 W.	15	272·2 E.	0·17 =	0·12 E.
4	185·7 W.	0·12 =	0·09 W.	16	170·0 E.	0·10 =	0·07 E.
5	112·8 W.	0·07 =	0·05 W.	17	264·8 W.	0·17 =	0·12 W.

The mean diurnal variation of the declination at Toronto, caused by the disturbances from the mean or normal position of the magnet exceeding 3′·6 in amount, has a principal westerly maximum a little after 7 A.M., and a principal easterly maximum a little after 9 P.M., the range of the diurnal affection amounting to (0′·48 W. + 0·78 E.) = 1′·26. From the easterly maximum soon after 9 P.M., the easterly variation progressively and steadily diminishes, passing through the point of no "disturbance variation" between 4 and 5 A.M., and reaching the westerly maximum a little after 7 A.M. The direction of the movement is then changed towards the east, and the western variation diminishes (with a slight and possibly accidental irregularity about 11 A.M. or noon) to 1 P.M., when the direction is again changed towards the west, whereby a second or subordinate westerly maximum is occasioned about 3 P.M. From

this hour to the easterly maximum, a little after 9 P.M., the movement of the magnet towards the east due to the disturbances is continuous and increases from hour to hour, being considerably greater from 7 to 9 P.M., inclusive, than at any other part of the 24 hours. When it is considered that the influence of the larger disturbances on the direction of the declination magnet thus presented and described is a *mean daily effect* derived from *five years* of observation, and when its strikingly regular and systematic character is viewed, it appears to have strong claims to be received as the indication of a true natural law in respect to direction and turning hours. The numerical values would doubtless be considerably greater if the minor disturbances of the same class occurring in the same period of time could have been separated from the general body of the observations and had been taken into the account.

TABLE XXVIII.

Classification of the 3940 *largest Disturbances in* 5 *Years* (*July* 1, 1843, *to June* 30, 1848,) *according to their Magnitudes.*

	NUMBERS.			VALUES.			RATIOS (Westerly to Easterly).		Average Value of the Disturbances
	Easterly.	Westerly.	Total.	Easterly.	Westerly.	Total.	Numbers.	Values.	
				Sc. Div.	Sc. Div.	Sc. Div.			′
Between 300 and 200 sc. div., or 3° 36′·3 and 2° 14′·2 . .	..	2	2	..	568·1	568·1	0·17 to 1	0·17 to 1	124·1
Between 200 and 100 sc. div., or 2° 14′·2 and 1° 12′·1 . .	1	4	5	175·5	461·5	637·0			
Between 100 and 50 sc. div., or 1° 12′·1 and 36′ 0 . .	5	6	11	333·3	409·9	743·2	0·83 to 1	0·81 to 1	48·7
Between 50 and 20 sc. div., or 36′·0 and 14′·4 . . .	94	67	161	2544·5	1896·9	4441·4	1·40 to 1	1·31 to 1	19·9
Between 20 and 10 sc. div., or 14′·4 and 7′·2	452	337	789	5918·5	4434·5	10353·0	1·34 to 1	1·31 to 1	9·5
Between 10 and 7 sc. div., or 7′·2 and 5′·0	619	504	1123	5078·5	4154·9	9233·4	1·23 to 1	1·22 to 1	5 9
Between 7 and 5 sc. div., or 5′·0 and 3′·6	971	878	1849	5623·6	5128·9	10752·5	1·11 to 1	1·10 to 1	4·2
Total . . .	2142	1798	3940	19673·9	17054·7	36728·6	–	–	–

In the disturbances of largest magnitude—*i. e.*, in those which exceed 36′ in amount —westerly deflections preponderate; in the disturbances of smaller amount easterly deflections preponderate. At Hobarton also, in the same period, the excess of westerly over easterly deflections (though existing throughout, and being in that respect different from Toronto,) was greatest in the disturbances of largest amount; in those of lesser amount, westerly deflections at Hobarton, and easterly at Toronto, preponderate in nearly equal ratios.

A comparison of Table XXVIII. with Table XXVI., pp. xxvii. to xxxvi. of the 2nd volume of the Hobarton Observations, containing a similar classification of the disturbances which occurred in the same five years at Hobarton, furnishes the means of examining the relative proportion in which disturbances of equal magnitude take place at the

two stations. If, for example, we compare the numbers and aggregate values of the disturbances which are of magnitudes between 20 and 10 scale divisions (14′·2 and 7′·1 at Hobarton, and 14′·4 and 7′·2 at Toronto), we find the numbers to have been at Toronto 789, and the aggregate values 10353·0 scale divisions, whilst at Hobarton the numbers were 238, and the aggregate values 3115·9 scale divisions; the ratios both of numbers and of values being 3·3 to 1. A second comparison is furnished by the disturbances comprised between 10 and 7 scale divisions (7′·2 and 5′·0 at Toronto, 7′·1 and 5′·0 at Hobarton), when we find the numbers at Toronto to be 1123, and the values 9233·4 sc. div^{ns}., whilst at Hobarton the numbers are 401, and the values 3255·0 sc. div^{ns}., the ratios of numbers and values being 2·8 to 1. A third comparison is furnished by the disturbances comprised between 7 and 5 scale divisions (5′·0 and 3′·6 at both stations), when we find the numbers at Toronto to have been 1849, and the values 10752·5 sc. div^{ns}., and at Hobarton the numbers 838, and values 4825·0 sc. div^{ns}., the ratios of numbers and values being 2·2 to 1. Further, if we compare the numbers and aggregate values of all the disturbances above 5 scale divisions (or 3′·6) which occurred in the five years at each of the stations, we find the numbers at Toronto 3940, and the aggregate values 36728·6 scale divisions, whilst at Hobarton the numbers are 1517, and the aggregate values 12262·3 scale divisions; the ratios being, of numbers, 2·6 at Toronto to 1 at Hobarton, and of values, 3·0 at Toronto to 1 at Hobarton. The greatest disturbance of the Declination recorded at Hobarton in the course of the hourly observations between July 1, 1843, and June 30, 1848, amounted to 35′·8 ; it occurred on the 27th of September, 1847, at 0^h of Göttingen time (9^h of Hobarton time): the greatest disturbance recorded in the same period by the hourly series at Toronto amounted to 215′·8; it occurred on the 24th of September, 1847, at 1^h of Göttingen time (7^h of Toronto time). Both were westerly deflections; and it may be stated generally that the disturbances of greatest amount were usually westerly deflections of the north end of the magnet, both at Toronto and Hobarton. The average value of each of the 3940 disturbances at Toronto, and of the 1517 disturbances at Hobarton, exceeding 3′·6 in amount, was 6′·7 at Toronto, and 5′·7 at Hobarton. It may be convenient to notice here that the approximate value of the horizontal force at Toronto is 3·5, and at Hobarton 4·5, both expressed in absolute measure.

Table XXIX. contains a detailed statement of the 5322 disturbed observations between January 1841, and July 1848; showing the days and hours of their occurrence in Göttingen time, the amount of disturbance, and the direction towards which the north end of the magnet was deflected: the sign + implies that the deflection was towards the east, and − towards the west. Toronto time is 5^h 57^m later than Göttingen time.

TABLE XXIX.

Showing the Göttingen Time of the occurrence,—together with the direction and amount of the deflection from the Mean Position of the Magnet in the same Month and at the same hour,—of the 5322 largest Disturbances of the Declinometer in the Two-hourly Observations, commencing January 1st, 1841, and ending June 30th, 1842, and in the Hourly Observations, commencing July 1st, 1842, and ending June 30th, 1848. One Scale Division = 0′·721 of Declination. The dates are in Astronomical Time.

Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.
1841		**1841**		**1841**		**1841**		**1841**		**1841**		**1841**	
JAN.		FEB.		MARCH.		APRIL.		MAY.		JUNE.		JULY.	
D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.
2 6	+ 5·4	15 2	−13·3	21 20	+14·9	26 20	+ 7·5	20 8	+ 5·3	18 10	+ 5·5	9 18	− 8·3
6 18	− 5·7	15 4	− 6·8	22 0	+ 7·8	28 4	− 7·0	20 20	−10·9	18 12	+13·6	10 16	− 6·4
7 2	− 5·3	15 10	− 7·8	22 2	+14·4	29 16	− 5·6	21 0	− 9·4	18 18	− 5·2	11 18	+ 8·4
7 4	− 5·8	15 18	+ 7·0	22 4	−15·0	29 20	− 9·0	21 12	− 8·4	20 18	− 5·4	12 16	− 5·3
8 14	+ 9·2	15 20	+ 7·1	22 6	− 9·2	29 22	+ 6·4	21 20	− 7·2	22 14	+ 5·0	12 18	− 6·3
11 20	− 6·3	16 10	− 6·1	22 12	+16·6	30 0	+ 8·1	21 22	− 7·0	23 8	− 5·6	12 20	− 8·9
12 20	+ 7·2	16 16	+10·6	22 16	+14·3	30 14	+ 9·9	22 2	− 7·1	23 18	+ 6·3	13 2	− 6·1
12 22	+ 6·8	16 18	+10·0	22 18	− 6·1	30 22	− 5·3	23 18	− 7·2	23 20	−14·4	13 14	− 7·1
13 2	−17·2	17 2	+ 6·0	22 20	− 9·9			23 20	− 5·1	24 0	− 9·7	13 16	− 9·3
14 0	− 6·7	17 22	+ 5·6	22 22	+ 6 6	MAY.		24 0	− 5·2	24 18	+ 7·3	13 18	− 5·4
14 14	− 7·3	22 2	+ 6·5	23 2	− 6·0	1 0	+ 5·5	24 4	− 5·4	24 22	−11·5	14 22	−11·2
14 18	+ 6·0	22 12	−10·0	24 2	+ 5·8	1 2	+ 7 7	24 6	− 5·3	25 0	+ 5·3	15 16	− 6·1
15 2	+ 5·7	23 0	+ 9·0	24 14	+ 7·0	3 2	+ 6·0	24 8	− 6·9	25 2	+ 5·2	16 16	− 6·0
15 16	+ 6·9	23 8	−10·1	24 22	+11·1	4 6	− 5·0	24 10	− 5·3	25 8	− 5·5	16 18	− 6·8
15 20	+ 6·0	23 14	+27·7	26 18	+ 8·7	5 2	+ 6·2	24 14	− 7·0	25 12	− 5·5	17 2	− 6·2
16 0	− 9·0	24 20	− 7·4	29 10	− 5·1	5 16	+10·7	24 16	− 6·1	25 16	+ 5·3	17 4	− 9·0
19 6	− 9·3	24 22	+ 5·6			5 22	− 9·0			26 16	− 5·1	17 16	− 5·6
21 8	− 5·3	25 2	+ 8·0	APRIL.		6 0	+ 7·8	JUNE.		28 16	− 5·3	18 18	− 6·6
21 20	− 5·5	25 14	+ 6·2	2 22	+ 6 2	6 2	+ 6·5	1 8	+ 5·1	28 18	− 6·1	19 4	+ 5·2
24 20	+11·0	26 6	+ 6·9	6 4	+ 5·0	6 8	− 5·8	1 10	+ 7·5	29 10	− 5·3	19 6	− 5·3
25 16	+23·2	26 4	+ 7·1	7 22	+11·3	6 10	− 7·8	1 20	+ 7·1	29 16	− 5·6	19 8	− 7·4
25 18	+11·4	26 16	+23·6	8 0	− 7·4	7 14	+ 7·3	1 22	+ 5·3	30 12	− 6·3	19 16	+24·1
27 12	− 5·4	27 2	+ 6·4	8 2	− 6·3	9 20	+10·6	3 16	+ 8·2	30 22	− 6·4	19 18	+ 6 4
31 18	+ 6·6	27 14	+ 5·9	11 22	+ 8 6	10 0	+11·8	3 20	+ 6·0			19 20	+ 5·7
				12 12	+ 6·3	10 2	−21·4	4 2	+ 9·0	JULY.		20 0	−10·7
FEB.		MARCH.		13 0	− 8·8	10 6	+ 6 5	4 12	+ 5·8	1 8	− 6·2	20 20	− 9·9
4 16	− 5·5	1 2	− 7·1	13 2	−12·1	10 14	− 7·3	5 4	+ 5·4	2 12	− 6·1	21 16	+ 9·2
5 16	− 6·1	3 12	− 7·1	13 4	− 6·2	10 16	− 6·3	5 6	+12·7	2 16	− 7·4	21 18	−10·2
6 0	− 5·2	6 16	+ 8·1	14 16	+11·0	10 18	− 5·3	6 22	+ 6·2	2 18	− 7·1	21 20	+ 5·4
6 16	− 7·6	9 4	+ 6·7	16 12	− 7·3	11 2	+ 5·1	7 4	+ 7·5	3 6	− 5·1	22 16	− 5·5
7 20	− 7·0	9 6	+ 5·5	16 16	+12·4	11 6	+ 8·0	7 14	+ 5·5	3 8	− 7·7	22 18	− 8·9
7 22	− 6·4	11 0	− 7·0	17 8	− 8·3	12 2	+ 5·5	9 18	+13·8	3 16	− 7·6	22 20	−13·1
8 0	− 5·6	11 14	+ 6·8	17 12	+ 7·8	12 16	+ 5·6	10 22	− 5·8	4 18	+ 7·0	23 16	+ 5·3
8 16	− 5·9	11 20	− 6·2	17 14	+13·1	14 8	+ 7·9	11 16	+10·9	5 16	+13·7	24 4	+ 6·1
8 18	− 5·3	13 2	− 9·2	17 16	+ 9·6	14 14	+13·9	15 0	+ 8·7	5 20	+13·7	24 10	+ 6·9
9 0	+16·8	15 16	+ 9·0	19 12	− 7·5	16 18	+ 5·1	15 4	−10·0	6 0	− 6·1	24 16	+ 8·7
9 2	−30·0	15 18	− 9·4	19 14	− 8·1	17 0	− 8·9	15 6	− 9·0	6 14	− 6·6	26 0	+ 7·8
9 8	− 5·5	15 20	+10·8	19 16	− 5·0	17 2	−11·0	15 12	+ 9·0	6 16	− 8·2	26 20	− 6·3
9 12	− 5·9	15 22	− 8·9	19 22	− 7·7	17 4	− 5·4	15 18	− 8·2	6 18	+18·9	26 22	+ 5·4
9 16	− 5·8	16 2	+ 5·9	20 14	+ 6·8	17 6	− 7·3	17 6	− 9·0	6 20	+11·7	27 14	+20·8
10 0	− 5·4	17 0	− 6·0	20 16	+ 8 3	17 10	+ 6·7	17 8	− 7·9	7 20	− 5·2	27 16	+ 7·6
10 14	− 5·0	19 18	+ 8·3	20 18	+14·2	17 22	+ 7·6	17 10	− 5·7	7 22	− 5·4	28 6	+ 7·7
11 0	− 6·1	19 20	+ 5·7	20 22	−11 1	18 14	− 5·1	17 12	− 5·5	8 18	− 6·5	28 8	+ 8·6
12 16	+21·8	19 22	+11·2	21 22	+ 5·2	19 14	+11·8	17 20	− 6·6	8 20	− 5·0	28 12	+ 5·8
13 6	+ 7·2	20 12	+11·0	26 14	− 5·8	19 20	− 6 4	18 4	−14·8	9 16	− 5·5	28 18	+11·5

TABLE XXIX.—*continued.*

Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.
1841		**1841**		**1841**		**1841**		**1841**		**1841**		**1842**	
JULY.		AUG.		SEPT.		OCT.		NOV.		DEC.		FEB.	
D. H.	Se. Div.	D. H.	Se. Div.	D. H.	Se. Div.	D. H.	Se. Div.	D. H.	Se. Div.	D. H.	Se. Div.	D. H.	Se. Div.
28 20	+ 6·8	12 6	+ 5·0	2 12	+ 5·4	3 20	+ 6·4	6 0	−17·6	20 0	− 5·3	2 0	− 8·3
28 22	+ 6·8	12 8	+ 6·2	2 14	+10·5	5 22	+16·3	6 2	− 9·2	22 8	− 5·1	2 2	+ 7·2
29 0	+ 7·4	12 16	− 8·1	3 0	+ 5·6	6 10	− 6·0	6 4	+ 5·1	22 20	−18·6	2 10	+ 5·0
29 4	+ 5·0	13 14	− 5·7	3 12	+ 5·5	7 12	+10·6	6 14	+ 5·4	23 12	− 5·6	2 22	+ 5·3
29 12	+ 6·8	13 16	− 8·2	3 16	+ 5·6	8 6		6 16	+ 9·3	23 14	+ 6·8	3 14	+ 5·0
29 14	+ 8·0	14 12	+ 5·0	4 2	+ 6·9	8 10	− 6·7	8 0	− 9·2	24 12	+ 7·9	3 16	+ 5·8
29 20	+ 5·0	14 16	+10·2	4 4	+ 6·7	8 12	+ 6·1	9 4	+ 5·1	28 6	+ 6·5	6 20	+ 6·9
29 22	+ 6·8	16 16	+19·2	7 4	+ 5·5	8 20	− 5·0	9 10	− 5·5	30 2	−15·5	6 22	+ 6·0
30 0	+ 7·0	17 22	− 8·2	10 6	+ 5·3	9 10	+ 8·9	11 0	+ 5·4	30 4	− 6·1	7 0	− 7·5
30 2	+ 6·2	18 14	− 5·7	12 18	+11·5	13 20	− 8·0	13 16	+ 6·1	30 6	−15·2	7 4	−12·7
30 6	+10·0	20 16	− 6·0	12 20	+ 5·7	14 16	+11·7	17 4	+ 6·6	30 8	− 9·3	7 10	+10 3
30 8	+ 8·0	21 8	− 7·0	12 22	+ 7·9	14 20	+ 5·7	18 8	− 6·4	30 10	− 5·0	8 12	+ 5·1
30 12	+ 8·0	21 10	−10·2	13 8	+ 5·8	16 12	+10·6	18 14	−16·4	31 22	− 7·1	10 4	+ 5·7
30 14	+ 5·1	21 14	− 6·5	13 18	+11·1	17 20	− 5·1	18 16	− 7·9			11 10	− 8·7
30 20	+ 5 8	21 16	− 7·8	13 20	+ 7·2	18 2	+ 6·0	18 18	+11·1			11 16	+ 5·0
30 22	+ 7·5	22 22	+ 7·8	13 22	− 6·5	18 18	+ 6·1	18 20	+19·2	**1842**		11 18	+ 8·2
31 0	+ 7·5	23 10	− 8·4	16 16	+19·5	19 14	+ 5·7	18 22	+ 5·3	JAN.		11 22	− 5·2
31 2	+ 8·4	23 14	+18·9	17 22	− 6·4	20 16	+ 9·0	19 0	−12·0			12 0	+ 5·3
31 10	+ 7·6	23 16	− 5·0	18 14	+12·6	20 18	+10·3	19 14	+16·2	1 0	−18·6	12 2	+ 8·8
31 12	+ 7·8	23 20	−14·6	19 20	− 5·4	20 20	+11·4	19 18	− 9·4	1 2	− 7·9	12 4	+ 5·5
32 18	+16·5	24 0	− 5·3	20 20	− 5·4	20 22	−11·6	20 0	−10·5	1 4	−10·3	12 6	+ 6·2
		24 4	− 5·6	22 4	− 6·7	21 2	−14·6	20 2	−10·5	1 6	− 8·1	12 8	+ 5·1
AUG.		24 14	− 6·8	22 10	+ 5·9	21 4	− 8·2	20 4	− 9·9	1 10	− 7·0	14 4	+ 5·6
2 0	+ 6·5	24 16	− 8·3	24 6	+ 7·0	21 18	+11·8	22 4	− 8·8	1 12	+ 7·0	14 6	+ 6·7
2 14	+11·9	25 6	− 6·1	24 10	−12·4	24 20	+27·2	22 6	− 5·5	5 12	+ 8·8	16 6	− 5·0
2 16	+25·1	25 14	−10·2	24 12	−15·6	24 22	+16·7	23 22	− 5·3	6 18	+ 5·4	16 8	− 6·9
2 18	+ 9·4	25 16	− 6·2	24 14	−14·6	25 0	−10·3	24 2	−10·4	10 18	+ 5·2	16 10	− 6 6
3 0	+ 5·8	26 0	− 9·9	24 16	+ 7·9	25 2	−17·8	21 14	+ 8·1	11 12	− 6·3	16 16	− 6·4
3 4	+ 7·0	26 6	− 6·9	24 20	+17·3	25 6	− 6·0			15 12	− 7·2	17 0	− 6·4
4 6	+ 6·4	26 10	− 6·9	24 22	+29·5	25 8	− 7·6			15 16	+10·2	17 2	− 7·7
4 16	− 7·3	26 12	−16·1	25 2	−27·2	25 10	− 6·4	DEC.		18 6	− 6 9	17 6	− 8·7
5 0	− 5 3	26 14	+ 7·1	25 4	−26·4	25 14	+ 8·3	1 20	+ 5·1	18 8	− 6·1	17 12	− 5·1
5 12	− 5·8	26 16	+19·7	25 6	+ 9·5	25 16	+ 6·5	2 14	− 5·2	18 12	+22·8	17 14	− 7·0
5 18	+ 9·0	26 18	+ 7·5	25 8	−19·8	26 0	−12·5	2 18	+ 5·9	18 14	+14·0	17 16	− 5·1
5 20	+10 2	26 20	+16·4	25 12	−12·9	26 2	− 8·8	2 22	−11·1	18 16	+ 6 4	18 2	− 8·3
5 22	+11·4	26 22	−22·3	25 14	+16·9	26 10	+ 7·6	3 2	− 8·4	24 10	− 5·1	18 4	− 7·1
6 2	−21·7	27 2	−14·9	25 16	−36·8	26 14	+ 6·4	3 4	−14·0	24 12	− 5·1	18 6	− 6·0
6 6	−10·8	27 16	− 7·4	26 22	− 8·7	26 20	− 6·5	3 12	+ 7·1	24 18	+ 7·7	18 10	−10·6
6 10	+16·3	27 18	− 6·1	27 2	−14·9	26 22	− 5·2	3 16	− 8·6	27 10	− 6·7	18 14	− 5·2
6 12	− 8·3	28 0	− 7 8	27 6	− 9·0	27 0	− 6·3	4 0	− 6·6	27 12	− 5·4	18 22	−15·3
6 14	+34·2	28 12	+ 7·9	27 22	− 7 4	27 2	− 6·4	6 14	+13·3	28 6	+ 5·2	19 0	− 5·4
6 16	− 6·0	28 16	+19·1	28 0	−17·4	27 4	− 5·6	7 20	+ 5·1	28 14	+ 7·2	19 2	−19·7
6 22	+ 5·7	SEPT.		28 20	+10·3	27 18	+ 7·1	7 22	+ 8·3	29 16	+ 5·3	19 4	−12·3
7 14	− 5·5	1 0	+15·2	29 4	− 9·2	29 8	− 9·7	8 0	+ 8·0	31 18	+ 7·6	20 20	−10·0
7 16	− 7·8	1 2	+14·9	29 16	+11·4			8 4	−15·7	31 22	− 6·0	21 0	− 7·2
9 4	− 7·9	1 10	+ 8·4	30 12	+ 6·3	NOV.		8 6	− 9·2			22 16	− 5·2
9 14	− 5·9	1 12	+ 7·4	30 14	+12·6	2 14	+ 6·8	8 8	− 6·0			23 22	+ 6·1
9 16	− 8·8	1 16	+ 6·7	30 16	− 5·1	3 18	+13·7	10 2	−17·2	FEB.		24 0	+ 8·7
9 22	+ 5 4	1 16	+ 6·7	30 18	− 5·2	3 20	+ 6·8	10 8	− 7·9	1 0	+ 6·6	24 6	− 9·8
10 16	− 8·3	2 0	+ 9·2			3 22	+13·4	14 8	− 6 7	1 2	+ 5·3	24 12	−13·7
11 20	+ 9·7	2 2	+ 6·4	OCT.		4 4	− 8·3	14 12	+29·5	1 10	+ 5·9	24 14	−19·7
11 22	−11·1	2 8	+ 6·8	1 18	− 7·5	4 22	−14·3	16 2	+ 5·8	1 14	+12·0	24 16	+ 5·9
12 0	+ 6·5	2 10	+ 5·8	3 18	−13·1	5 14	+ 5·0	17 16	+ 8·2	1 16	+ 6·0	25 16	− 5·7

TABLE XXIX.—*continued.*

Mean Gött. Time	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbances.
1842		**1842**		**1842**		**1842**		**1842**		**1842**		**1842**	
MAR.		APRIL.		JUNE.		JULY.		JULY.		AUG.		SEPT.	
d. h.	Sc. Div.	d. h.	Sc. Div.	d. h.	Sc. Div.	d. h.	Sc. Div.	d. h.	Sc. Div.	d. h.	Sc. Div.	d. h.	Sc. Div.
2 2	− 8·7	15 10	+ 5·2	9 14	+ 5·4	4 4	−12·8	19 16	+ 6·6	5 19	−14·1	2 13	+21·4
2 4	− 6·7	15 14	+ 6·9	10 0	+ 7·7	4 5	− 9·5	19 18	+10·4	5 20	+ 8·3	2 15	+ 5·2
4 22	− 5·4	15 16	−18·6	10 2	+10·2	4 6	− 5·8	19 19	+ 5·5	6 1	+ 6·0	2 16	− 5·4
7 14	+ 7·7	15 20	+21·8	10 4	+10·9	4 16	−11·2	20 18	− 5·7	6 4	+ 5·2	2 18	−12·8
11 10	+11·3	15 22	+13·1	12 18	+ 6·8	4 17	− 8·7	22 0	+ 5·2	6 5	− 5·4	2 19	− 6·8
15 12	−11·1	16 0	+ 6·8	12 20	+ 7·1	4 18	− 6·2	22 6	− 5·0	6 13	+ 8·9	3 13	+ 5·3
16 2	+ 6·0	16 2	+ 5·8	12 22	− 6·0	4 19	− 6·9	22 17	+ 5·4	7 21	− 5·6	4 18	+ 7·8
16 4	+ 8·6	19 2	− 5·2	14 0	−12·7	4 20	−15·4	22 20	+12·5	8 12	+ 5·4	4 23	+ 6·2
16 8	− 5·2	20 20	−22·4	14 10	+10·5	4 22	−10·1	23 0	+ 7·7	8 18	− 5·9	5 0	+ 5·2
16 10	− 7·8	21 0	− 8·7	14 20	+ 8·1	4 23	−15·1	23 10	+ 8·2	8 21	− 9·2	5 1	+ 5·1
16 14	+ 9·8	21 4	− 8·4	15 20	− 8·7	5 12	− 5·2	23 14	+ 7·9	10 18	+ 5·3	5 2	+ 6·5
16 18	+11·3	28 4	− 5·1	20 0	− 5·7	5 14	− 6·4	25 4	+ 5·0	11 5	+ 7·5	5 6	− 7·7
16 22	− 5·7	29 10	− 6·0	22 18	+24·4	5 20	−16·0	25 22	+ 5·3	11 6	+ 6·9	5 7	− 6·3
18 22	− 7·2			22 22	− 8·8	5 21	−12·4	26 0	+ 6·2	11 22	−11·5	5 21	−14·0
19 2	− 5·8	MAY.		23 18	− 9·9	6 1	− 5·0	26 1	+ 7·6	11 23	+ 5·2	5 22	− 7·4
23 0	− 5·2	5 0	+ 5·1	23 20	−10·5	6 7	− 5·1	26 2	+ 6·9	12 0	+ 7·7	9 2	+15·9
23 2	+ 5·8	6 6	− 9·0	24 2	− 7·0	6 8	− 6·8	26 3	+ 5·0	13 14	+14·5	9 22	+ 6·8
23 10	− 5·1	6 22	+ 7·2	24 4	− 6·1	6 12	− 5·4	26 8	− 5·0	15 20	− 5·9	10 2	+ 5·3
23 20	− 5·8	7 0	− 7·2	25 14	+ 7·7	6 13	+ 6·5	26 22	+ 6·0	16 14	+ 9·4	10 11	+ 5·5
23 22	− 5·2	7 2	− 5·4	25 16	+10·1	6 14	− 7·4	26 23	+ 6·8	17 0	+ 6·4	10 16	+ 5·9
24 12	+10·0	10 16	+ 7·9	30 16	+ 5·5	6 19	− 7·1	27 2	+ 5·0	17 17	+ 6·7	10 17	+ 5·3
24 14	+ 5·1	10 18	− 7·3	30 18	− 9·9	6 20	+ 8·0	27 3	+ 5·3	17 18	+ 5·9	11 18	+ 7·4
27 18	+ 5·2	16 2	− 7·6			8 13	− 7·8	29 1	+10·1	18 3	− 6·7	12 16	+ 6·5
27 20	+ 5·3	16 16	+ 9·1	JULY.		8 14	+12·5	29 2	+ 7·8	18 5	− 7·1	12 18	− 6·0
28 0	− 5·9	16 22	− 9·6	1 5	− 7·2	8 16	+21·4	29 3	+ 6·4	18 6	− 5·4	12 23	− 8·9
29 0	− 5·0	17 0	− 7·1	1 6	− 8·0	8 17	+24·8	29 4	+12·7	18 7	− 5·0	13 11	+ 8·2
29 16	+ 7·6	17 8	+ 5·8	1 7	− 7·5	8 18	+ 9·5	29 10	− 5·5	18 21	+ 6·0	13 12	+ 5·1
29 18	+ 6·0	17 14	+ 5·5	1 8	− 6·5	8 19	+16·0	29 11	− 5·7	19 1	+11·8	13 15	+ 6·2
30 6	− 5·0	19 0	− 5·6	1 11	− 5·2	8 20	+10·5	29 14	+12·8	19 2	− 7·4	14 20	− 8·4
30 8	− 5·4	24 0	+ 5·6	1 13	− 5·8	9 1	−15·7	30 3	+ 5·7	19 4	− 9·5	15 23	+ 7·1
30 16	+ 5·9	24 2	+ 6·5	1 16	− 5·2	9 2	− 9·7	30 6	+ 5·5	19 5	−24·4	16 2	−13·4
		24 18	+ 5·7	1 17	− 8·2	9 11	+10·6	30 14	+ 8·3	19 6	−12·7	16 3	− 5·3
APRIL.		25 14	+ 5·2	1 18	+24·2	9 13	+ 7·3	31 18	+18·8	19 10	+23·4	16 14	− 5·4
1 2	+ 7·2	27 20	− 6·1	1 19	+ 5·0	9 14	+21·8	31 19	− 6·7	19 23	− 6·4	16 17	+ 5·3
1 20	− 5·7	27 22	− 5·3	1 20	−10·8	9 15	+ 8·4	31 20	+ 6·1	20 14	+10·2	16 19	+10·3
2 12	− 5·6	28 16	+ 8·9	1 21	+16·3	10 20	− 5·3	31 21	− 9·4	20 15	+ 5·4	16 20	+11·1
4 22	− 5·0			1 22	−10·2	10 23	−16·2	31 22	− 5·6	22 18	− 5·9	16 21	+ 7·9
10 20	+ 5·2	JUNE.		1 23	+34·8	11 0	− 9·7			23 8	− 5·4	16 23	+ 9·5
10 22	+ 9·5	1 20	+ 6·5	2 0	− 5·0	11 1	−12·5	AUG.		24 1	− 5·3	18 18	− 7·1
11 16	− 9·5	2 2	+ 5·9	2 1	+ 7·0	11 14	+ 5·8	1 3	+ 6·5	24 6	− 5·4	18 22	+ 5·1
11 18	+10·1	2 14	+ 7·4	2 2	+10·4	11 15	+ 9·0	1 5	+ 7·1	24 14	+ 6·0	19 9	− 5·9
11 20	+ 6·2	3 12	+ 5·7	2 3	+ 6·2	11 16	+ 7·4	1 13	− 6·0	25 0	− 5·4	19 15	+ 5·3
12 2	−10·8	4 6	+12·5	2 6	− 5·1	11 21	− 5·1	1 14	− 8·8	25 11	+ 5·4	19 23	− 5·4
12 4	+ 6·1	4 8	−14·9	2 7	+ 9·8	12 6	+ 5·5	1 15	− 8·5	25 13	− 7·0	20 3	+ 7·2
12 20	−10·7	6 14	+ 7·6	2 8	+16·5	13 14	− 5·2	3 15	+ 5·2	26 12	+10·5	20 13	+ 8·6
12 22	+14·0	6 20	− 5·0	2 9	+10·7	14 18	− 7·9	4 5	+ 5·2	26 15	+ 6·3	20 19	+ 6·8
13 2	−17·2	6 22	+ 5·3	2 11	+ 5·9	14 19	+ 7·4	4 14	+ 9·4			21 0	− 9·0
13 6	+ 7·7	7 0	+ 5·5	2 12	+13·7	14 22	+ 5·0	4 15	+ 5·0	SEPT.		21 11	− 5·6
14 16	+14·1	7 18	+ 7·1	3 19	−23·7	15 17	+13·3	4 17	+33·2	1 20	− 5·2	21 13	− 5·1
15 0	+ 5·2	7 22	− 5·8	4 0	− 6·1	18 16	+ 7·3	4 23	− 8·3	1 21	+18·1	21 14	+14·7
15 2	+ 9·5	8 16	+ 5·5	4 1	−12·6	18 18	− 5·2	5 1	+ 5·5	1 22	+17·6	21 19	− 6·3
15 4	− 8·0	9 4	+ 6·6	4 2	−11·5	18 22	− 8·2	5 16	+11·7	2 0	+ 5·5	21 22	+ 5·0
15 8	+ 6·2	9 6	+ 6·5	4 3	−19·1	19 15	+ 5·2	5 18	+12·5	2 5	− 5·9	22 8	+ 5·9

TABLE XXIX.—*continued.*

Mean Gött. Time.	Disturbance.
	Sc. Div.
	+21·4
	+ 5·2
	− 5·4
	−12·8
	− 6·8
	+ 5·3
	+ 7·8
	+ 6·2
	+ 5·2
	+ 5·1
	+ 6·5
	− 7·7
	− 6·3
	−14·0
	− 7·4
	+15·9
	+ 6·8
	+ 5·3
	+ 5 5
	+ 5·9
	+ 5·3
	+ 7·4
	+ 6·5
	− 6·0
	− 8·9
	+ 8·2
	+ 5·1
	+ 6·2
	− 8·4
	+ 7·1
	−13·4
	− 5·3
	− 5·4
	+ 5·3
	+10·3
	+11·1
	+ 7·9
	+ 9·5
	− 7·1
	+ 5·1
	− 5·9
	+ 5·3
	− 5·4
	+ 7·2
	+ 8·6
	+ 6·8
	− 9·0
	− 5·6
	− 5·1
	+14·7
	− 6·3
	+ 5·0
	+ 5·9

Mean Gött. Time.	Disturbance.
1842	
SEPT.	
d. h.	Sc. Div.
22 9	− 5·2
22 14	+10·1
22 19	+ 6·3
22 22	−10·5
22 23	− 9·1
26 6	+ 5·2
28 0	− 5·1
28 1	− 5·5
28 14	+ 8·3
28 17	+ 9·9
28 18	+16·4
28 19	+ 6·4
28 22	− 7·4
29 1	− 5·6
29 3	− 6·4
29 7	+ 5·7
29 15	+ 6·2
29 20	−10·1
30 1	− 7·5
30 2	+ 5·1
30 7	+ 5·4
30 22	− 7·5
30 23	− 6·9
OCT.	
1 5	+ 6·4
1 6	+ 7·6
1 7	+ 7·7
1 8	+ 7·9
1 9	+ 7·1
1 17	+ 9·6
2 23	− 8·8
3 0	− 6·2
3 2	− 5·0
3 3	− 5·1
3 6	− 5·4
3 13	− 6·2
3 14	− 6·1
3 23	−10·4
4 4	− 7·0
4 5	− 6·5
4 6	− 7·4
4 7	− 8·8
4 8	− 7·7
4 9	− 5·2
4 13	− 6·5
4 14	− 6·3
4 16	− 8·5
4 17	− 8·0
4 18	− 6·0
4 19	− 7·8
5 22	+ 5·9
5 23	+ 6·5

Mean Gött. Time.	Disturbance.
1842	
OCT.	
d. h.	Sc. Div.
6 0	+ 6·0
6 1	+ 6·5
6 20	+ 5·0
12 4	+ 5·4
12 5	+ 6·0
12 6	+ 5·2
13 9	− 7·9
13 10	− 5·6
13 17	+ 9·5
13 18	+ 6·7
14 3	+ 5·1
15 14	+ 7·6
15 15	+ 9·5
15 16	+12·8
15 17	+ 6·2
17 3	+ 5·2
17 8	− 5·8
17 15	+10·9
17 20	− 6·5
17 22	− 8·6
17 23	− 6·5
18 15	+10·4
18 16	+10·4
18 17	+ 6·9
24 0	− 6·9
24 16	+ 5·2
26 7	+10·7
26 12	− 5·1
27 3	− 5·7
27 4	− 7·9
27 13	+ 7·5
27 20	− 6·4
29 2	− 6·3
29 14	+ 8·1
29 16	+ 6·3
30 21	− 8·2
NOV.	
2 0	+ 5·1
2 11	− 6·8
2 21	+ 5·3
3 8	− 7·8
3 14	+ 9·1
4 20	− 7·1
5 4	+ 5·2
9 12	+ 5·0
9 14	+ 8·5
9 16	+14·1
9 23	+14·4
10 0	−13·8
10 1	−21·2
10 4	− 6·4
10 6	− 5·9

Mean Gött. Time.	Disturbance.
1842	
NOV.	
d. h.	Sc. Div.
10 11	− 5·2
10 12	+ 5·2
10 15	+ 8·0
10 18	+ 8·6
10 19	+ 7·0
10 20	+ 7·8
10 22	− 8·1
11 20	− 7·2
13 21	− 5·0
16 0	+ 6·0
16 8	− 6·8
19 16	− 5·1
20 19	− 9·3
21 13	+ 7·4
21 15	+10·9
21 16	+19·2
21 17	+14·7
21 18	+14·1
21 19	+ 6·2
21 20	−17·7
21 22	−15·2
21 23	− 7·0
22 0	− 6·9
22 2	−19·5
22 3	−17·1
22 4	−11·3
22 17	+ 9·1
22 23	+ 5 7
23 1	+ 5·3
28 9	+ 6·8
28 10	+ 6·6
28 11	+ 6·4
28 12	− 5·0
28 18	+ 7·4
28 19	+ 6·0
28 20	+ 5·6
28 21	− 6·0
28 22	+ 5·7
29 0	+ 7·2
29 3	+ 7·3
30 12	+11·1
DEC.	
5 20	+ 9·1
5 21	+ 6·0
7 4	− 5·2
7 16	+ 5·0
7 20	− 5·3
9 9	− 7·5
9 11	−11·2
9 12	− 5·4
10 16	+ 9·5
13 23	− 7·3

Mean Gött. Time.	Disturbance.
1842	
DEC.	
d. h.	Sc. Div.
19 22	− 6·1
21 22	+ 5·4
29 21	− 7·5
29 22	+ 5·3
30 2	− 6·5
30 16	+ 5·2
32 21	− 8·0
32 23	+ 7·2
1843	
JAN.	
2 0	−20·6
2 3	− 6·5
2 4	− 6·8
2 8	− 5·5
2 13	+ 6·2
3 0	− 8·1
11 9	− 5·4
23 13	− 7·3
23 16	+11·6
23 17	+ 7·8
24 15	+14·0
28 7	− 5·1
28 12	+12·4
FEB.	
4 16	+ 5·3
6 9	− 5·5
APRIL.	
6 10	−15·4
8 16	+17·5
9 19	+ 6·8
13 18	− 5·9
13 19	−10·6
13 20	+11·1
14 9	− 5·6
14 13	+ 8·8
14 19	−11·1
15 14	+18·4
17 7	− 6·7
20 13	+ 7·0
23 22	+ 5·1
23 23	+10·7
24 0	+12·6
24 1	+ 6·8
24 3	− 8·9
24 4	− 8·2
24 13	+ 9·8
24 17	+26·8
24 18	+11·3
25 14	+ 8·7
27 21	− 7·5

Mean Gött. Time.	Disturbance.
1843	
MAR.	
d. h.	Sc. Div.
6 12	− 9·0
6 13	− 7·6
6 14	+14·4
6 20	+ 5·5
6 23	− 5·1
7 6	− 5·0
7 8	− 7·4
7 10	+ 6·2
10 14	− 6·1
11 10	− 5·5
13 14	+ 7·2
13 15	+13·9
13 16	+ 5·4
13 19	+ 7·3
17 8	− 5·5
17 12	− 7·6
17 13	− 8·6
17 14	− 9·9
18 12	+ 6·0
18 14	+ 8·2
20 13	+ 8·2
22 14	+ 8·7
29 4	− 5·9
29 6	+ 5·9
29 8	− 9·8
29 9	− 8·7
29 10	− 7·1
29 11	− 5·4
29 12	− 5·6
APRIL.	
1 4	+ 6·5
1 5	+ 5·9
3 9	− 5·3
5 3	− 9·6
5 4	− 5·9
5 5	+ 8·1
5 6	− 7·8
5 9	− 8·4
5 10	−13·2
5 11	−22·2
5 12	−19·6
5 13	− 8·5
5 14	+ 6·5
5 16	+ 6·8
5 17	− 9·7
5 18	+ 6·4
5 19	+10·6
5 20	+11·9
5 21	+12·1
5 23	+10·4
6 0	+ 9·6
6 1	+ 7·5

Mean Gött. Time.	Disturbance.
1843	
APRIL.	
d. h.	Sc. Div.
6 3	− 7·0
6 13	− 5·4
6 14	+27·2
6 15	+11·9
7 9	+ 5·0
7 13	+ 7·0
7 16	+13·6
7 18	+ 5·5
7 20	+ 6·7
9 20	+ 6·2
9 21	− 5·8
9 22	+ 6·2
11 22	+ 6·4
12 7	− 9·7
12 8	− 6·5
12 15	+ 7·4
12 16	+ 6·2
12 17	+ 7·9
13 5	− 5·6
14 20	− 5·8
15 12	+11·9
15 14	+ 5·3
17 14	− 6·2
17 18	+ 5·1
19 7	+ 5·1
20 7	+ 5·6
22 3	− 6·0
22 7	+ 5·4
22 8	+ 6·7
22 9	+ 5·2
23 23	−10·1
24 6	+ 6·1
27 5	− 6·4
MAY.	
1 4	− 6·2
1 5	− 5·8
1 6	− 5·4
2 5	+ 6·4
2 6	+ 6·7
3 3	+ 5·7
6 9	− 5·4
6 10	− 9·0
6 13	−15·2
6 14	−12·0
6 16	+14·6
6 17	+20·7
7 22	− 5·3
8 13	+ 5·5
9 0	− 5·4
10 3	− 6·3
10 15	+ 7·4
10 19	− 6·2

Mean Gött. Time.	Disturbance.
1843	
MAY.	
d. h.	Sc. Div.
12 14	+ 6·0
12 16	+ 7·8
12 17	+ 7·5
15 3	+ 7·8
15 4	+ 9·1
15 5	+ 5·8
15 9	− 5·8
15 10	− 6·6
15 15	+ 8·0
15 16	+13·7
15 18	+ 6·7
15 20	+ 5·2
15 23	− 7·5
16 19	− 6·9
19 23	− 9·1
23 3	− 5·8
23 4	− 5·8
23 5	− 5·8
24 5	− 5·1
24 6	− 5·0
24 7	− 6·1
25 5	− 5·7
25 6	− 6 2
25 7	− 5·5
26 0	+ 5·6
26 1	+ 5·9
26 16	− 6·1
27 14	+ 6·4
29 6	− 5·2
29 18	+ 9·0
29 20	− 6·8
31 23	+ 5·6
JUNE.	
1 23	+ 5·5
2 0	+ 7·4
2 1	+ 6·9
2 21	+13·0
2 22	+ 9·7
2 23	+ 6·3
3 13	+ 9·7
3 16	− 7·1
6 14	+ 5·0
7 15	+16·6
7 16	+ 6·2
7 20	+ 5·6
9 22	+ 5·1
10 1	+ 5·4
10 14	+ 5·9
10 15	+ 5·4
11 23	−14·1
12 16	+ 5·6
13 0	− 5·6

TABLE XXIX.—*continued.*

Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.
1843		**1843**		**1843**		**1843**		**1843**		**1843**		**1844**	
JUNE.		JULY.		AUG.		SEPT.		SEPT.		NOV.		FEB.	
h. m.	Sc. Div.	h. m.	Sc. Div.	h. m.	Sc. Div.	h. m.	Sc. Div.	h. m.	Sc. Div.	h. m.	Sc. Div.	h. m.	Sc. Div.
13 14	+ 5·6	14 3	+ 5·2	4 0	+ 7·7	5 10	+ 5·6	30 3	− 5·9	13 5	− 6·4	1 9	− 5·4
14 5	+ 5·6	14 4	+ 5·3	4 6	− 6·8	5 15	+ 6·2	30 5	+ 5·9	13 6	− 6·3	2 6	− 7·6
15 0	− 5·6	14 17	+ 6·9	4 12	+ 7·8	5 19	+12·8	30 15	+ 5·5	13 14	+ 9·9	2 7	− 6·7
22 16	+ 6·8	15 5	+ 5·0	4 13	− 8·6	5 21	+ 7·9			13 15	+ 5·7	2 12	+ 9·0
26 0	+ 6·9	15 6	+ 5·3	4 20	− 7·0	5 22	+11·1	OCT.		14 11	− 5·8	2 17	−25·6
26 1	+ 6·9	16 22	− 5·2	4 21	− 5·8	5 23	+ 8·9	2 19	+ 6·8	15 14	+ 5·4	2 18	− 9·5
26 2	+ 7·2	21 20	+ 5·1	5 7	+ 5·0	6 15	+ 6·4	2 20	+12·6	16 19	+ 5·0	5 9	− 8·4
26 3	+ 6·8	21 21	+ 7·5	5 17	+ 7·9	6 20	− 6·0	2 21	+12·7	17 15	+ 6·2	5 10	− 5·5
26 4	+ 5·6	21 23	+ 7·0	8 1	+ 6·1	8 1	− 6·4	2 23	−10·1	20 21	− 5·3	5 17	+ 5·5
30 3	+ 6·0	22 1	+ 6·8	8 4	− 5·2	8 2	− 5·9	4 15	+12·3	29 17	+ 5·3	5 18	+ 6·8
30 16	+ 5·1	22 2	+ 5·3	8 14	+20·6	8 17	− 5·9	4 18	+ 5·0			5 21	− 6·5
30 17	+ 5·9	22 14	+ 5·0	8 19	+ 5·1	8 19	+ 5·9	5 6	− 6·8	DEC.		5 22	− 6·8
30 18	+ 7·5	24 6	+ 6·9	9 22	− 6·6	8 23	+ 5·9	5 15	+ 6·4	1 22	+ 5·0	6 20	− 6·1
30 19	+17·2	24 7	+ 6·4	10 5	− 5·5	9 0	+ 5·0	6 6	− 5·3	2 0	+ 8·5	7 23	+ 5·3
30 23	+ 7·0	24 10	−11·5	10 22	− 5·5	9 1	+ 5·4	8 21	− 5·7	2 3	−12·0	8 1	+ 6·4
		24 21	+ 9·7	11 0	+ 5·2	9 6	− 5·7	10 1	+ 5·0	2 4	− 6·2	8 2	+ 7·[illegible]
JULY.		24 22	+13·7	11 23	− 7·2	10 18	+ 8·6	12 15	+ 7·0	7 15	+ 7·7	8 5	−11·5
1 0	+ 5·6	25 0	−17·2	12 14	+ 6·4	10 19	+ 6·3	12 19	+ 5·2	8 20	+ 5·8	8 6	− 6·5
1 1	+ 5·4	25 1	−19·6	15 15	+ 5·9	10 21	+ 5·9	12 23	− 6·2	10 18	+ 5·8	8 14	+ 5·4
1 15	+12·8	25 2	−12·3	16 19	− 5·1	10 22	− 5·6	13 22	− 6·0	10 22	− 5·8	10 12	+15·5
2 18	+ 5·4	25 3	−20·8	21 21	+ 6·5	11 18	+ 5·7	14 11	− 5·9	11 14	+ 7·1	14 23	+ 5·2
3 4	+ 5·0	25 4	−14·6	21 22	+10·9	11 19	− 5·7	15 22	+ 5·0	11 18	− 6·6	28 11	−13·0
4 17	− 7·5	25 5	− 6·7	22 2	− 5·1	12 17	+14·1	1)	−15·7	12 11	+14·3	28 16	+34·9
4 18	+ 6·1	25 6	− 9·1	22 8	− 8·6	12 23	− 6·1	,0	− 6·3	12 12	+ 8·4	28 18	+ 6·5
5 6	+ 5·3	25 7	−14·9	22 9	− 6·7	16 16	− 6·7	1, 2	−15·3	13 11	+ 5·0	29 16	− 5·1
5 7	+ 6·1	25 8	− 9·3	22 10	− 7·5	16 17	− 5·5	17 4	− 5·7	27 7	− 8·8		
7 12	−10·6	25 9	−12·7	22 15	+ 5·1	17 22	+10·2	17 7	+ 5·0	27 23	+ 6·1	MAR.	
7 13	−11·0	25 10	− 9·5	23 6	+ 5·0	18 10	− 5·7	17 13	+ 5·3	28 2	− 6·5	1 21	− 5·3
7 15	+10·6	25 11	−15·9	23 13	+ 5·7	18 14	− 7·0	17 20	− 7·7	28 3	− 5·8	2 0	+ 5·6
7 18	+ 8·6	25 12	− 8·4	23 15	+ 5·1	18 22	− 6·1	18 15	+ 5·2			2 9	− 5·0
7 19	+ 7·6	25 16	+16·1	23 16	+ 5·5	19 20	− 6·0	18 16	+12·9	1844		2 11	− 5·4
7 20	+13·2	26 0	+ 7·4	23 22	− 6·8	19 21	− 8·6	19 17	− 9·6	JAN.		3 19	− 5·2
8 1	+ 5·3	26 1	+ 6·4	25 6	− 5·1	20 15	+ 7·1	26 0	−10·5	2 2	− 6·2	3 20	− 5·8
8 2	+ 6·5	26 2	+ 5·8	25 7	− 7·8	20 18	− 9·7	26 3	+ 5·8	4 12	− 5·0	3 21	− 6·6
8 3	+ 6·2	26 12	+ 5·5	25 8	− 7·0	20 23	− 9·6	26 7	− 5·2	4 16	+20·0	4 15	+10·0
8 9	+ 5·3	26 19	+ 5·5	25 16	+ 9·7	21 16	+ 8·6	26 10	− 6·3	4 17	+ 6·7	4 16	+15·4
8 10	+ 6·6	26 20	+ 5·6	25 19	− 6·6	21 18	+ 9·6	26 13	+ 5·4	4 18	− 5·7	4 22	+ 5·8
9 20	− 5·0	27 15	+ 6·6	25 20	− 8·4	21 23	+ 6·8	26 14	+ 7·2	5 10	− 7·3	4 22	+ 5·8
9 23	− 7·0	27 19	− 7·3	26 12	+ 8·7	22 0	+ 5·0	26 19	− 6·5	5 23	− 6·5	5 13	+10·3
10 2	− 7·0	28 6	− 5·9	30 23	− 8·2	22 3	− 7·1	26 20	− 5·7	8 13	+ 6·2	5 14	+10·5
10 3	− 5·1	28 7	− 6·4	31 0	− 6·4	22 12	+ 9·2	27 1	− 9·0	8 16	+ 6·0	5 15	+ 5·4
10 4	− 5·7	28 11	+ 5·3	31 19	+ 7·5	22 21	− 6·7	29 22	− 5·3	11 3	+ 5·4	5 17	+ 7·7
10 5	− 8·1	28 16	+ 7·3	31 20	+ 5·9	23 1	− 8·9	30 17	+ 5·8	11 4	+ 5·4	5 23	−12·2
10 7	− 5·7	29 12	+12·9			27 16	+ 7·9	31 14	+11·9	22 3	− 9·2	6 0	−14·4
10 13	+ 8·0	30 19	+ 5·2	SEPT.		28 0	− 9·1			22 4	− 6·4	6 2	− 8·0
10 20	− 6·4	31 9	− 6·0	1 6	−11·3	28 6	+ 5·7	NOV.		24 16	+ 5·7	6 3	− 9·9
11 12	+15·6			1 15	+ 5·5	28 7	+ 5·5	2 17	+ 9·2	24 18	+11·0	6 4	−12·0
13 7	+ 5·0	AUG.		1 23	−13·4	29 4	+ 5·8	2 20	+ 8·0	24 19	+ 8·8	6 17	+ 5·2
13 16	+11·9	2 19	+ 7·0	2 1	+ 5·6	29 5	+ 6·2	3 0	− 5·6	24 21	+ [illegible]·9	6 18	+ 8·9
13 17	+ 8·7	3 15	+ 7·9	2 10	+ 6·1	29 6	+ 5·9	7 5	− 5·7	25 3	− 7·5	6 19	+12·5
13 18	+ 5·6	3 19	− 6·0	4 18	+ 6·6	29 14	+ 7·7	7 7	− 5·0	25 4	− 7·9	7 3	− 5·4
13 23	− 6·2	3 21	+ 5·4	4 19	+ 8·3	29 19	− 5·9	8 15	+21·0	31 23	+ 7·9	7 4	− 6·7
14 1	− 5·0	3 23	+ 7·8	5 4	− 5·0	30 0	− 6·8	13 4	− 6·7				

TABLE XXIX.—*continued.*

Mean Gött. Time.	Disturb-ance.	Mean Gött. Time.	Disturb-ance.	Mean Gött. Time.	Disturb-ance.	Mean Gött. Time	Disturb-ance.	Mean Gött. Time.	Disturb-ance.	Mean Gött. Time.	Disturb-ance.	Mean Gött. Time.	Disturb-ance.
1844		**1844**		**1844**		**1844**		**1844**		**1844**		**1844**	
MAR.		APRIL.		APRIL.		JUNE.		JULY.		AUG.		SEPT.	
D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.
7 11	+11·3	3 6	− 5·6	30 14	+ 6·3	10 21	− 5·3	23 6	+ 7·2	9 16	+ 5·1	4 5	+ 6·4
7 12	+ 5·4	3 15	+ 7·4	30 15	+ 6·3	11 17	+ 5·0	24 21	+ 5·7	9 23	+ 6·2	4 6	+ 8·4
7 15	+18·4	3 16	+13·9	30 21	− 8·8	12 17	+ 6·2	24 22	+13·2	10 5	+ 5·8	4 7	+ 6·9
7 16	+18·9	3 21	− 7·4	30 22	− 7·6	12 18	+ 7·4	25 1	−11·7	10 6	+ 6·2	4 16	+ 7·1
7 18	− 6·6	3 22	− 6·5			13 0	+ 5·2	25 17	+ 6·2	10 7	+ 6·2	8 23	+ 5·2
8 10	+11·2	4 4	+ 5·2	MAY.		13 1	+ 6·3	25 20	+ 9·2	10 8	+ 5·5	9 13	+13·8
8 14	+14·1	4 5	+ 7·4	2 18	+ 7·7	13 2	+ 5·5	26 21	−10·1	10 9	+ 6·0	9 14	− 5·2
16 2	− 8·9	4 6	+ 6·1	2 20	+ 6·1	16 20	+ 5·0	26 22	− 6·8	12 20	+ 5·0	12 7	+ 6·6
18 3	+ 5·2	4 12	+ 6·3	6 16	+ 5·1	16 21	+ 8·2	27 13	+ 7·6	13 5	+ 9·6	13 22	+ 6·1
18 11	− 5·7	5 18	− 7·8	7 16	+16·4	16 22	+ 5·2	27 14	+13·1	16 8	− 6·3	13 23	+ 7·0
19 17	+10·9	6 5	+ 5·6	7 18	+ 7·6	17 5	− 5·7	29 23	− 6·2	20 7	− 5·2	14 7	− 5·0
20 18	+ 8·0	6 17	+ 5·0	7 19	+18·9	17 14	+12·4	30 5	− 7·9	20 15	− 7·0	14 15	+38·1
21 20	− 5·7	8 14	+ 6·3	7 22	− 5·7	17 21	+ 6·3	30 6	− 8·7	21 7	+ 8·5	14 16	+ 8·2
26 14	− 5·0	11 17	+ 5·2	8 2	− 5·4	18 0	+ 5·9	30 7	− 6·9	22 3	− 5·6	15 19	+ 6·3
27 7	− 5·4	12 1	+ 5·0	8 13	+ 9·3	18 4	+10·4	30 8	− 5·1	22 4	− 9·7	16 13	+ 7·8
27 9	− 5·7	16 18	+11·6	8 15	+ 5·5	20 17	+ 7·8	30 19	+ 8·8	22 5	− 9·5	19 0	− 6·9
27 13	+ 5·8	16 19	+13·8	8 16	+ 7·7	21 9	− 5·3	31 13	− 5·1	22 7	− 5·9	19 1	− 5·2
28 16	− 5·1	16 20	+32·3	10 16	+ 8·9	25 15	− 5·3			22 13	+ 6·2	19 5	+ 6·5
28 20	+ 5·5	16 21	+42·9	11 3	− 5·5	25 22	+ 5·2	AUG.		22 14	+18·0	19 6	+ 6·4
28 21	+ 6·4	16 22	+32·9	11 4	− 5·2	29 10	+ 5·2	1 1	+ 6·1	22 15	+ 7·8	19 16	+14·6
28 23	+ 5·2	16 23	−18·7	13 7	+ 6·3	29 14	+ 6·1	1 3	+ 5·3	22 20	+ 8·0	19 18	+ 8·3
29 10	− 7·8	17 0	−16·2	13 18	+ 6·9	30 21	− 8·6	1 5	+10·4	22 21	+11·2	19 19	+ 9·8
29 11	− 9·6	17 1	−34·9	14 13	+ 5·2			1 8	− 9·8	22 22	+10·3	19 28	+ 5·0
29 12	+13·8	17 2	−21·4	14 15	+ 7·2	JULY.		1 9	−10·8	22 23	− 5·4	20 0	+10 9
29 14	+43·0	17 4	− 6·9	14 16	+31·6	2 4	+ 8·3	1 10	−13·5	23 6	− 7·1	20 3	+ 7·2
29 15	+11·6	17 5	− 7·0	14 17	+ 5·7	2 5	+ 8·0	1 11	− 6·6	23 14	+ 7·3	20 9	− 5·1
29 16	+15·3	17 6	− 7·6	15 11	+ 5·7	7 23	− 7·7	1 12	− 5·3	23 15	+12·8	20 19	−17·4
29 18	−35·9	17 7	− 8·7	22 5	+ 9·3	8 5	− 5·8	1 14	− 7·2	23 16	+ 5·7	21 1	− 6·2
29 19	+28·0	17 8	−10·3	22 10	− 9·4	8 9	+ 5·2	1 16	+ 9·6	23 17	− 9·9	21 14	+ 8·4
29 20	+18·4	17 9	− 7·6	22 13	+11·8	8 16	+11·9	1 19	+ 6·1	23 19	+ 7·0	22 20	−14·1
29 21	−14·4	17 11	−10·0	22 15	+10·3	8 17	+15·9	1 21	− 7·4	23 21	+ 7·1	22 21	− 5·2
29 22	+13·0	17 12	−10·3	22 17	+11·5	8 18	+13·8	1 22	−14·3	24 13	+ 5·3	23 0	− 9·9
29 23	+18·2	17 14	−10·9	22 18	+12·0	8 19	+ 8·0	2 12	+ 7·0	24 14	+11·0	23 1	− 5·0
30 0	−13·9	17 23	+ 6·8	22 19	+ 6·5	9 8	+ 7·0	2 15	− 6·8	25 18	+14·1	23 3	− 5·4
30 9	+ 8·9	18 0	+ 7·0	23 8	+ 5·1	9 9	+ 5·2	2 17	− 6·2	28 8	+ 7·3	24 2	− 5·9
30 11	+ 6·9	18 1	+ 8·0	24 13	−10·4	9 21	− 5·1	2 22	− 5·4	29 17	+ 5·8	24 3	− 8·4
30 15	+11·4	24 18	− 6·3	24 14	− 7·3	10 2	− 5·6	3 0	− 5·1	29 20	− 8·0	24 4	− 6·8
31 18	+ 6·9	25 2	− 6·8	24 16	−10·6	11 0	− 6·5	3 10	− 7·0	29 21	−15·3	24 15	+13·7
		25 3	−11·8	24 17	− 8·3	12 18	+ 9·6	3 15	+ 6·7	30 3	− 5·1	25 2	− 6·5
APRIL.		25 4	− 7·7	24 18	− 9·9	12 19	+ 5·4	3 17	+12·2	30 5	− 6·6	25 12	− 7·1
1 1	− 5·8	25 12	− 5·3	24 20	− 8·1	12 23	+ 8·5	4 19	+ 8·4	30 17	+ 5·7	25 14	+20·2
1 15	+18·5	25 17	+ 7·6	26 19	− 5·3	13 0	+ 7·5	4 21	− 6·8	30 18	+ 7·8	25 15	+10·8
1 17	− 5·2	26 0	− 9·0	27 4	− 5·5	13 4	− 9·7	5 1	− 5·5	30 23	− 8·3	25 16	+21·8
1 18	+ 7·1	26 1	− 5·0	27 5	− 5·8	16 7	− 5·2	5 23	− 5·1	31 1	− 6·3	25 17	+ 8·7
1 19	+ 5·2	26 13	+15·7	27 16	− 5·3	17 14	+ 5·5	8 7	+ 5·4	31 2	− 7·8	25 19	+ 5·6
1 22	− 7·9	26 16	+ 6·4	27 17	− 7·0	17 23	+ 6·6	8 8	+ 5·7	31 15	+ 5·0	25 20	− 6·2
2 3	+ 5·1	26 19	−10·2	27 19	− 5·3	18 0	+ 5·3	8 23	− 6·3			26 4	− 8·6
2 4	+ 5·2	27 11	+ 9·9	29 21	+ 7·0	18 2	+ 5·0	9 1	− 6·1			26 5	− 5·0
2 16	+ 9·5	27 14	+ 9·9			22 20	+ 5·4	9 5	− 8·4	SEPT.		26 8	−10·8
2 17	+ 5·8	27 17	+ 7·2	JUNE.		22 21	+ 7·3	9 7	− 6·3	2 1	− 5·1	26 12	+ 6·7
3 0	+ 5·4	29 0	+ 5·0	1 15	+ 7·2	22 22	+ 8·1	9 8	−11·6	2 16	+ 7·6	26 11	+ 9·5
3 3	+ 5·1	30 1	− 5·2	10 0	− 6·9	23 0	+ 5·5	9 9	− 7·7	2 22	− 6·0	26 20	+19·0
3 5	− 5·1	30 12	+ 6·2	10 15	+10·7	23 5	+ 5·7	9 11	− 7·6	3 22	− 9·2	26 21	−10·4

TABLE XXIX.—*continued.*

Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.
1844		**1844**		**1844**		**1844**		**1845**		**1845**		**1845**	
SEPT.		OCT.		NOV.		DEC.		JAN.		FEB.		APRIL.	
d. h.	Sc. Div.	d. h.	Sc. Div.	d. h.	Sc. Div.	d. h.	Sc. Div.	d. h.	Sc. Div.	d. h.	Sc. Div.	d. h.	Sc. Div.
26 22	− 5·0	22 15	+ 6·5	16 12	+ 7·3	20 19	+ 6·4	23 4	− 6·6	25 22	− 8·1	5 16	+ 6·5
26 23	−12·0	22 20	−10·2	16 14	+ 8·0	20 23	− 8·8	23 5	− 8·2	26 1	−11·6	6 23	− 5·3
27 12	+ 7·8	23 4	− 7·0	17 19	− 5·4	21 0	−13·7	23 15	+30·1	26 2	−16·0	7 2	+ 5·9
27 15	+12·9	23 19	− 9·6	17 23	−10·0	21 4	− 8·2	23 16	+ 7·1	26 12	+ 5·1	7 3	+ 5·2
27 16	+ 9·3	24 3	− 5·1	18 0	−10·4	26 0	− 6·1	23 21	− 6·2	26 14	+ 8·0	7 14	+ 9·6
27 17	+ 7·3	24 20	− 8·5	18 10	+ 5·6	26 1	− 5·7	24 6	− 8·3	26 15	+ 6·0	8 4	+ 5·2
29 18	+ 7·5	24 22	+11·8	18 15	+ 5·5	30 1	+ 6·4	24 8	− 5·8	26 16	+ 5·6	9 3	+ 6·1
29 20	+ 6·7	24 23	+ 7·7	18 16	+ 9·5	30 13	+ 7·7	24 11	+ 9·9	26 21	− 6·5	9 4	+ 5·5
30 1	− 5·8	25 0	+ 7·8	18 17	+ 7·7	30 16	+ 8·0	24 20	+ 7·0	26 22	−10·9	9 5	− 5·0
30 2	− 8·7	25 9	− 9·0	18 18	− 9·8	30 22	− 5·0	24 22	+ 5·3	27 14	+ 7·2	10 3	+ 5·1
30 6	− 5·1	25 13	+ 7·8	18 19	−12·4	30 23	− 5·7	25 2	− 6·7	28 10	− 7·3	10 4	+ 7·2
30 13	+ 7·8	25 16	+ 7·7	19 0	−15·9	31 1	+10·0	26 18	−12·1	28 14	+ 5·3	10 5	+ 5·4
30 14	+36·0	25 17	+28·2	21 15	+ 5·7	31 2	+10·3	28 5	− 6·4			11 3	+ 5·1
30 15	+18·0	25 19	− 5·7	21 22	−14·8	31 3	+ 8·1	28 6	− 9·6	MARCH.		11 4	+ 5·2
30 16	+ 8·6	25 20	+10·4	22 0	+12·8	31 16	+ 7·3	28 7	− 5·4	7 9	− 6·1	14 0	+ 7·0
30 17	+10·5	26 0	+ 5·4	22 1	+ 7·4			28 9	− 8·5	7 10	− 5·5	14 2	− 9·6
30 18	+13·2	26 5	− 6·0	22 9	− 5·4			28 14	+10·3	13 20	− 7·5	14 3	− 7·1
30 19	+ 8·0	26 10	− 5·8	22 14	+ 6·8	**1845**		28 19	+ 5·6	13 22	+14·1	14 4	− 8·6
30 21	+18·9	26 11	+16·1	22 15	+11·9	JAN.		28 20	+ 9·0	13 23	+ 5·6	14 8	+ 5·4
30 22	−25·6	26 13	+ 6·6	22 16	+ 6·1			28 22	+11·2	14 16	+ 5·8	14 18	− 6·4
30 23	−34·8	26 15	+ 5·5	22 17	−18·3	1 3	+ 6·0	29 9	− 6·4	14 22	− 6·0	15 2	− 7·5
		26 17	− 5·1	22 18	−20·2	1 4	+ 6·0	29 12	+ 5·2	19 13	+ 7·1	16 1	− 6·6
OCT.		28 12	+ 7·8	22 22	− 9·2	1 5	+ 6·1	29 15	+ 5·1	19 14	+ 9·9	18 4	− 5·6
1 0	−19·9	29 15	+10·8	23 0	− 7·2	1 16	+ 7·2			19 15	+12·7	18 5	−10·0
1 1	−47·3	30 0	− 8·3	23 1	− 5·1	1 21	− 6·4	FEB.		19 16	+ 5·7	18 6	− 5·4
1 2	−23·1	31 5	+ 6·3	25 17	+ 5·5	2 3	+ 5·5	5 6	− 6·1	19 18	− 5·5	18 10	− 7·6
1 3	−12·1			27 18	+ 7·2	9 2	− 7·4	5 21	+ 7·4	20 1	+ 5·3	18 14	+ 5·3
1 6	− 7·9	NOV.		27 23	− 6·0	9 3	−14·1	5 23	+ 9·5	20 6	−13·8	18 16	+ 5·5
1 8	− 6·4	1 3	+ 5·7	28 18	+ 9·9	9 4	− 9·1	6 0	+ 7·1	20 15	+10·9	18 17	+ 5·7
1 10	+ 5·7	1 4	+ 5·5			9 5	− 9·7	6 1	+ 5·5	20 16	+ 8·2	19 10	− 7·6
2 7	− 9·7	1 15	+ 9·1	DEC.		9 9	− 8·1	7 18	− 5·1	23 20	+ 5·8	19 12	− 6·4
2 8	− 6·9	2 11	+ 8·8	4 2	− 8·0	9 10	−12·1	8 15	+ 6·7	24 0	+ 8·9	20 20	− 6·8
5 14	+ 7·0	2 12	− 5·6	4 10	− 7·4	9 11	− 7·9	9 23	− 5·5	24 9	− 5·3	23 8	− 6·5
7 15	+ 9·4	2 14	+14·4	4 11	− 6·0	9 12	− 7·5	12 14	+ 7·0	24 13	+ 5·9	23 9	− 5·7
7 17	− 6·7	3 18	+ 6·5	4 15	+ 7·3	9 13	− 7·0	20 12	− 7·8	24 16	+ 6·0	23 10	− 5·4
14 4	+ 5·1	4 13	+ 5·2	4 16	+ 6·0	9 14	− 7·6	20 13	− 6·7	25 13	+ 6·6	24 1	+ 5·4
14 21	− 7·7	11 0	− 8·1	6 0	+ 9·0	9 15	+ 6·7	20 19	− 9·0	25 15	+ 9·3	24 2	+ 5·5
17 11	− 5·5	11 6	− 7·3	14 7	−12·3	9 16	−33·2	20 21	+ 5·2	26 14	+ 6·3	24 4	+ 6·1
17 17	+ 5·5	11 7	− 5·2	14 8	−14·5	10 18	− 6·1	21 0	− 5·9	26 15	+ 9·5	24 7	− 6·5
18 2	+ 5·1	11 8	− 7·2	14 9	− 8·8	13 22	− 5·6	21 13	+ 9·7	26 18	+ 5·9	24 8	− 5·3
20 18	+ 9·6	11 11	− 9·1	14 16	+20·3	16 19	+ 8·8	21 19	+ 5·9	27 5	− 7·7	24 20	+17·8
20 19	+20·0	12 5	−11·3	16 13	+ 8·9	17 16	+ 7·3	21 21	+ 5·6	27 6	− 5·9	24 21	+ 5·2
20 20	+ 6·0	12 18	−10·6	17 17	+ 5·0	17 19	− 6·7	22 0	+ 5·4	27 7	− 6·3	25 0	− 8·7
20 22	−12·1	13 20	− 9·2	18 22	+14·6	17 20	− 6·4	23 18	+ 6·0	27 8	− 9·1	25 1	−11·1
20 23	− 9·5	15 21	− 5·7	18 23	+ 7·1	19 18	+ 9·0	23 20	− 5·1	27 11	− 6·7	25 2	− 9·6
21 0	−10·9	15 23	+ 7·0	20 2	− 9·1	19 19	+ 7·0	24 11	− 5·9	28 10	− 6·5	25 3	− 5·9
21 1	−20·2	16 2	− 8·6	20 3	− 7·0	19 21	+ 5·1	24 13	+ 9·3			28 3	− 8·5
21 2	− 6·5	16 3	−11·1	20 9	− 5·6	20 1	− 6·8	24 19	+ 8·9	APRIL.		28 4	− 7·7
21 4	− 8·6	16 4	−11·1	20 13	+ 6·3	20 2	−11·5	24 20	− 8·1	2 21	+ 5·2	30 13	− 7·5
21 10	+ 7·2	16 5	−11·6	20 14	+ 9·8	20 3	−11·5	24 21	− 5·4	3 1	+ 5·4	30 14	− 6·2
21 11	+ 6·9	16 6	−11·5	20 16	+ 5·6	20 21	− 5·1	25 3	− 9·6	3 18	+ 6·0	30 15	+ 8·6
21 15	+ 6·2	16 8	−13·6	20 17	+ 5·1	23 0	+ 7·2	25 12	+ 6·3	4 0	− 5·2	30 16	+21·5
21 21	− 5·8	16 9	−10·4	20 18	+ 7·2	23 3	− 8·5	25 18	+10·1	5 10	+ 5·0	30 18	+ 8·6

TABLE XXIX.—*continued.*

Mean Gött. Time.	Disturbance.
1845	
MAY.	
d. h.	Sc. Div.
1 6	+ 5·6
1 7	+ 5·8
1 8	+ 6·1
1 9	+ 5·4
8 7	+ 5·0
8 21	− 6·6
11 19	+ 6·0
11 20	+ 5·6
13 16	+ 5·1
14 13	+ 7·4
14 19	+ 7·8
14 20	+ 6·0
14 21	+ 6·4
15 2	− 6·0
16 5	+ 8·3
17 12	− 5·7
17 15	− 5·7
19 0	− 5·2
19 2	− 5·6
21 17	− 6·9
22 6	− 7·3
22 7	− 7·9
22 8	− 6·1
22 9	− 5·1
29 23	+ 5·3
30 5	− 5·9
30 14	− 5·5
30 17	+ 9·7
30 20	−18·4
30 22	+10·0
30 23	+ 6·7
31 1	+ 6·7
31 2	+ 9·6
31 11	+ 5·8
31 12	+ 6·9
31 16	+ 5·1
JUNE.	
3 23	+ 5·5
4 0	+ 6·4
4 1	+ 7·4
4 4	− 8·6
4 5	− 7·6
4 22	− 9·3
6 9	− 5·4
6 10	− 6·6
10 22	+ 6·3
12 8	− 5·2
17 5	− 6·8
17 6	− 6·8
19 19	− 7·3
20 6	− 5·1
20 7	− 5·3

Mean Gött. Time.	Disturbance.
1845	
JUNE.	
d. h.	Sc. Div.
23 4	+ 5·2
23 5	− 8·5
23 6	+ 8·9
24 8	+ 6·8
26 22	− 5·2
28 0	− 7·5
28 13	− 5·5
28 15	+11·4
30 14	+ 8·4
30 15	+10·5
30 16	+11·4
30 18	+ 5·8
30 21	− 5·0
JULY.	
1 7	+ 5·4
1 23	− 5·9
2 19	+ 7·0
4 4	+ 6·1
4 5	+ 5·6
4 9	− 5·0
5 16	+ 6·1
6 22	−10·5
7 6	− 5·7
7 7	− 8·6
7 8	− 8·0
7 9	− 5·3
7 13	+12·7
10 4	+ 5·4
10 5	+ 6·5
10 6	+ 8·1
10 7	+ 7·4
10 8	+ 6·5
11 18	+ 8·6
12 6	+ 5·1
12 7	+ 5·4
17 2	+ 5·1
18 21	+ 5·4
19 6	− 6·3
19 7	− 5·4
19 16	+ 7·1
22 23	+ 5·8
23 16	+ 5·1
23 18	+ 7·6
24 10	+ 5·9
24 14	+ 6·9
24 16	+13·6
24 18	+ 8·4
24 19	+19·8
24 20	+20·3
24 21	+12·2

Mean Gött. Time.	Disturbance.
1845	
JULY.	
d. h.	Sc. Div.
24 22	+15·7
27 18	+ 5·6
28 4	− 5·7
30 7	− 6·0
30 19	− 6·1
30 21	− 5·8
30 22	− 5·1
AUG.	
1 0	+ 5·1
1 1	+ 5·9
1 2	+ 8·4
1 5	−10·3
1 14	+ 5·7
1 15	+18·9
1 16	+ 7·7
1 17	+14·8
1 18	+10·7
1 19	+ 5·7
1 20	+ 5·3
2 14	+11·0
2 16	+ 7·7
2 17	+10·4
3 20	−16·7
3 22	− 7·4
3 23	−16·2
4 0	−18·1
4 1	− 5·5
4 2	− 5·2
4 4	· 5·2
4 7	+ 5·0
4 11	+ 5·0
4 16	+15·7
4 17	+ 6·6
5 18	− 5·1
5 19	− 6·2
6 19	+ 6·9
6 20	+10·7
6 22	−13·8
7 13	+12·6
7 15	+22·9
7 21	− 6·2
8 5	+ 5·5
8 22	− 5·6
10 20	− 5·3
14 22	+ 5·2
14 23	+ 6·0
15 0	+ 7·9
15 2	+ 9·4
15 3	− 8·3
15 4	− 9·5
17 18	+ 7·6
17 20	+ 6·2

Mean Gött. Time.	Disturbance.
1845	
AUG.	
d. h.	Sc. Div.
18 1	− 8·1
18 2	− 5·4
18 23	− 6·3
22 17	+ 8·8
22 18	+ 6·1
22 19	+10·8
25 0	− 5·5
26 3	+ 5·7
26 20	− 6·8
28 21	+12·0
28 22	+15·7
28 23	+10·3
29 1	− 5·3
29 10	−11·7
29 13	+ 9·4
29 14	− 5·2
29 15	+ 6·6
29 18	+ 6·9
29 19	−10·1
29 21	+15·4
29 22	− 6·8
30 0	+ 5·5
30 3	− 5·3
30 4	− 6·2
30 12	+ 8·2
31 18	−10·6
31 21	− 6·6
31 23	−10·5
SEPT.	
1 2	+ 6·8
1 3	+ 5·4
1 11	+ 5·2
1 15	+ 6·4
1 16	+ 7·3
1 17	+11·3
1 18	+10·6
2 10	+ 8·2
2 13	+ 6·5
2 15	+ 5·0
2 18	− 5·0
2 23	− 5·5
3 0	− 5·4
3 3	− 5·4
3 4	−10·3
3 5	− 8·0
3 18	− 7·2
4 13	+ 6·7
6 1	+ 5·5
6 2	+ 5·3
7 20	− 6·1
7 21	−12·6
7 23	+ 5·1

Mean Gött. Time.	Disturbance.
1845	
SEPT.	
d. h.	Sc. Div.
8 1	− 5·7
8 14	+ 7·8
8 21	+ 5·1
8 23	+ 7·7
9 5	+ 5·1
9 14	+ 5·8
11 16	+ 5·3
11 17	+ 7·5
11 18	+ 5·0
11 20	+ 5·2
11 23	− 5·5
12 1	+ 8·9
12 2	+ 7·4
12 14	+ 5·6
15 18	− 5·0
17 15	+ 8·0
17 19	+11·6
17 21	+16·3
17 22	+ 9·6
18 14	+ 8·2
18 18	+ 6·8
18 20	+ 6·3
18 21	+ 8·4
18 23	+ 6·8
19 0	+ 6·6
19 21	+ 9·7
20 15	− 5·2
20 16	+12·3
21 21	− 7·6
23 6	+ 5·9
23 18	+ 5·0
24 15	− 6·5
24 17	+11·6
24 18	+13·0
24 19	+12·3
24 20	− 6·9
24 21	−14·7
24 23	+ 9·0
25 2	−38·3
25 3	−15·7
25 4	− 5·5
25 6	−12·6
25 12	+ 7·0
25 16	+31·3
25 19	−13·9
25 23	− 8·1
26 21	− 7·8
27 1	−12 9
27 11	+ 8·2
27 15	+17·3
27 17	+ 8·1
28 23	− 5·5
29 0	− 8·0

Mean Gött. Time.	Disturbance.
1845	
SEPT.	
d. h.	Sc. Div.
29 15	+ 7·0
29 23	− 5·7
30 23	− 5·4
OCT.	
1 0	− 8·0
1 7	− 5·0
2 23	−11·0
3 14	+13·3
7 19	− 7·7
9 5	+ 8·0
9 11	− 6·5
9 12	+13·2
9 13	− 7·0
9 14	− 6·6
9 20	+ 6·5
9 22	+13·6
10 0	− 8·2
10 1	− 7·0
10 2	− 8·9
11 1	− 6·8
15 5	− 9·0
15 6	− 7·1
16 19	+ 7·0
16 20	+12·9
16 21	+12·6
17 1	+ 5·3
17 4	− 6·0
17 12	− 5·4
20 3	−17·9
20 4	−11·0
20 18	+ 5·4
20 19	+16·0
20 20	+11·5
20 21	+ 5·9
20 22	+10·3
21 1	− 8·2
21 2	− 6·2
21 10	− 5·9
21 13	+ 9·4
21 14	+11·3
21 15	+29·3
21 16	+16·8
24 2	− 6·4
24 3	− 5·8
24 17	+ 7·8
24 18	+10·6
24 19	+12·1
27 15	+ 6·1
31 21	− 5·9
31 22	+ 6·3
31 23	+ 8·0

Mean Gött. Time.	Disturbance.
1845	
NOV.	
d. h.	Sc. Div.
1 6	− 8·3
1 10	− 7·2
1 11	− 6·7
4 17	+ 5·5
4 22	−10·4
5 3	− 8·2
5 4	−13·7
5 5	−13·2
5 6	−10·5
5 7	− 8·7
5 8	− 8·5
6 23	+ 8·6
7 17	+ 8·9
7 18	+10·0
10 16	+ 7·6
16 23	+18·6
17 1	+ 6·1
17 4	+ 5·7
17 9	− 6·7
17 19	− 7·5
18 15	+13·4
18 20	− 7·4
18 21	− 6·5
18 22	− 5·7
18 23	− 8 8
24 16	+ 9·1
27 19	+10·3
27 21	+ 6·5
27 22	− 5·5
27 23	− 5·4
28 0	−10·0
28 15	+ 8·4
DEC.	
1 23	+ 5·5
2 20	− 6·3
2 21	+ 5·1
2 23	−16·7
3 2	+ 5·9
3 4	−22·0
3 5	−16·6
3 6	− 9·5
3 7	− 8·2
3 12	− 8·8
3 13	−10·9
3 14	−12·1
3 15	−18·6
4 21	− 8·5
4 22	− 5·5
4 23	+ 5·3
5 1	− 6·1
5 3	− 7·1
5 4	− 8·8

TABLE XXIX.—*continued.*

Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.
1845		**1846**		**1846**		**1846**		**1846**		**1846**		**1846**	
DEC.		JAN.		MARCH.		APRIL.		MAY.		MAY.		JUNE.	
D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.
5 6	− 6·3	27 5	− 5·1	14 3	− 7·3	6 5	+ 5·5	2 15	+ 6·1	18 19	+11·6	1 20	+11·2
6 15	+ 7·1	28 4	− 6·0	14 5	− 6·0	6 11	−13·6	3 18	+ 8·2	19 2	− 6·7	1 21	+10·8
13 0	− 6·2	28 5	− 7·7	14 7	− 5·8	6 12	+ 9·4	3 20	+ 5·1	19 17	+ 9·0	1 22	+10·1
13 5	− 5·9	28 14	+ 7·0	14 11	+ 8·5	6 21	− 9·0	3 22	+ 8·7	19 18	+23·4	2 0	+ 5·5
13 10	− 5·2	28 15	+ 6·0	14 12	+ 6·4	6 22	− 5·4	3 23	+ 8·3	19 19	− 8·4	2 1	+ 6·5
15 0	−11·6	28 16	+ 6·6	14 14	+ 6·5	7 16	− 8·3	4 0	+ 6·3	19 22	− 6·8	2 2	+ 5·5
15 9	− 6·5	28 17	+ 7·8	14 15	+23·8	7 19	− 6·8	4 1	+ 6·5	20 0	−12·7	2 12	+13·7
15 15	+ 6·1	29 22	− 6·1	16 9	− 6·4	7 21	− 6·0	4 2	+ 5·0	20 3	− 9·6	2 16	− 9·9
15 20	− 5·4	30 21	− 6·1	16 11	− 8·4	7 22	− 9·0	4 3	+ 6·9	20 4	−10·6	2 20	+ 6·9
16 2	−13·0			16 13	+ 9·8	8 15	+ 8·6	4 4	+ 7·3	20 5	− 9·2	3 6	+ 5·7
16 22	− 7·9	FEB.		16 14	− 6·3	8 18	− 7·5	4 5	− 9·2	20 8	+ 5·0	3 7	+ 5·1
17 13	+11·5	2 1	− 5·2	16 16	+ 5·3	10 20	+ 6·9	4 11	− 8·5	20 10	+ 5·1	3 8	+ 7·0
17 20	− 5·9	2 22	− 6·0	16 17	+14·5	11 11	+ 6·3	4 13	− 5·7	20 11	+ 6·7	3 11	+ 5·6
18 0	− 6·4	3 21	− 8·4	16 18	+ 6·9	13 0	− 9·0	4 14	+ 6·9	21 4	− 6·6	3 15	− 5·5
20 13	− 6·1	8 18	+ 8·6	16 20	+ 6·6	13 3	− 8·4	4 15	− 5·2	21 5	− 5·2	3 20	− 5·3
23 5	+ 5·6	8 19	+ 9·6	17 1	−16·6	13 13	− 5·9	4 16	−17·7	21 20	− 7·7	3 22	− 5·3
29 17	+11·4	8 20	+ 8·5	17 2	−13·3	13 15	+14·6	5 11	− 5·6	21 21	− 8·7	4 6	− 7·1
29 18	+ 6·6	8 21	+ 8 2	17 10	−10·4	14 1	−12·1	5 12	− 5·2	21 22	− 6·5	4 16	− 5·7
29 23	− 5·4	8 22	+ 8·0	17 13	+ 6·3	14 2	−10·6	5 13	− 9·8	22 23	+13·5	4 18	− 7·0
30 1	− 8·9	8 23	+ 5·1	17 14	+15·7	14 9	− 5·3	5 18	− 5·0	23 0	+ 6·9	4 20	+ 6·3
30 2	−10·4	9 3	−36·3	17 15	+11·6	14 10	− 5·6	6 13	+ 5·6	23 1	+ 7·0	5 15	− 5·3
30 3	− 5·9	9 4	− 7·9	17 16	+ 5·7	14 11	− 5·6	6 17	− 5·2	23 2	+ 6·7	5 17	+ 5·2
30 4	− 9·0	13 23	+ 5·1	17 18	+ 8·2	14 19	+ 5·3	6 22	+ 5·0	23 16	+14·5	5 18	+ 5·4
		15 19	−16·2	17 23	− 5·4	15 0	+ 5·0	9 10	− 5·4	24 18	+11·0	5 19	− 9·3
1846		15 20	+12·9	18 0	−13·2	15 2	+ 6·1	11 16	+22·8	24 19	− 8·6	6 9	− 5·2
JAN.		16 0	− 5·8	18 13	+12·7	15 10	− 5·6	11 19	+ 5·4	24 23	− 5·5	6 14	− 5·2
2 23	− 5·7	16 14	+ 5·1	20 3	+ 5·1	15 11	− 5·6	11 21	− 5·5	25 0	− 8·9	6 15	+ 5·7
6 19	−10·3	25 7	− 5·6	24 6	− 5·2	15 12	− 7·5	11 22	− 7·6	25 1	−10·6	8 14	− 5·6
7 6	− 6·4	25 9	− 6·6	24 7	− 5·4	15 13	+19·1	11 23	− 8·2	25 2	− 6·7	8 16	+ 8·1
7 20	− 6·6	25 10	− 7·5	25 19	− 6·6	15 11	− 7·3	12 2	+ 6·3	25 3	− 9·9	8 18	+ 8·9
7 21	− 6·3	25 11	− 9·5	25 20	+ 9·3	15 18	+ 9·1	12 4	− 5·8	26 17	− 5·2	8 19	+23·1
11 19	+15·7	25 12	− 8·1	26 0	−18·0	15 21	+ 9·8	12 7	+ 6·1	29 16	+ 9·9	8 20	+ 9·9
11 21	+ 5·8	25 13	− 8·7	26 17	+ 8·0	16 4	− 7·4	12 8	+ 7·3	29 17	+ 9·8	8 21	+16·2
12 2	− 8·0	26 14	+ 9·3	27 23	− 6·7	16 5	− 6·1	12 10	+ 5·5	30 0	+ 7·3	8 22	+10·1
12 3	− 8·8	26 15	+ 6·6	28 14	+13·3	16 6	− 7 9	12 12	− 6·2	30 1	+ 9·8	8 23	+ 6·4
13 14	+23·2	26 21	+ 7·6	29 20	− 5·3	16 10	+ 8·8	12 13	− 5·8	30 2	+ 5·9	9 2	+ 5·3
13 17	+ 6·9			29 23	− 8·3	16 13	+22 9	12 14	− 7·7	30 7	− 5·5	9 16	+ 5·3
14 0	− 5·4	MARCH.		30 3	+ 5·4	16 14	+11·9	12 15	+ 6·2	30 11	+ 5·9	10 3	+ 6·4
14 1	−13·0	5 6	+ 5·6	31 19	+ 8·7	16 16	+24·5	12 18	− 8·6	30 15	+ 6·2	10 4	+ 8·5
14 10	+ 5·4	5 7	+ 5·6			16 17	+ 5·2	12 23	−12·9	30 16	−14·3	10 7	+ 5·1
14 13	+ 9·1	5 8	+ 5·5	APRIL.		16 19	−14·3	13 4	+ 5·7	30 17	+10·4	11 15	− 5·1
14 17	− 5·0	13 2	−17·3	1 17	+ 6·3	16 21	+10·5	13 5	+ 8·1	31 18	+13·0	12 22	+ 5·7
16 18	+ 6·4	13 3	−12·5	2 21	+ 5·8	17 3	− 6·4	13 6	+ 6·7	31 19	+ 6·4	12 23	+ 6·8
16 21	+ 8·2	13 4	−17·1	2 22	+ 5·6	20 13	− 6·7	13 7	+ 8·9			13 0	+11·3
20 20	+ 5·1	13 5	−14·1	4 4	+ 5·0	24 16	+13·5	13 12	+ 5·8	JUNE.		13 1	+10·6
23 19	+ 5·5	13 6	− 7·2	4 5	+ 5·0	24 17	+14·1	13 13	+14·2	1 1	− 5·7	13 15	+ 6·7
23 20	+34·5	13 11	−11·7	5 18	+ 5·3	24 18	+ 5·1	13 16	+ 7·3	1 2	− 6·8	14 21	− 5·9
23 21	+14 2	13 12	− 7·8	5 19	+ 5·3	25 14	+ 5·1	14 13	+ 7·4	1 15	+ 8·8	15 1	− 7·5
23 22	+18·3	13 19	+ 9·8	6 0	− 6·2	27 4	− 7·1	15 4	+ 5·4	1 16	+ 5·5	15 6	+ 7·5
23 23	+10·1	13 20	·8	6 1	−22·1	28 15	+ 5·4	16 6	+ 5·3	1 17	+ 7·6	15 13	+ 6 6
24 1	+ 5·8	14 0	+ ?	6 2	−37·6	30 20	− 5·6	16 17	− 5·2	1 18	+14·4	15 15	+ 8·5
24 7	− 5·1	14 2	·	6 3	−24·7	30 21	− 5·0	18 18	+10·0	1 19	+11·9	15 16	+ 5·3

TABLE XXIX.—*continued.*

Mean Gött. Time.	Disturbance.
JUN	
h.	s. Div.
15 17	+ 6·6
15 19	− 9·7
15 20	− 9·0
15 21	− 5·4
16 0	− 5·1
16 1	−11·8
16 12	+10·7
16 13	+17·9
16 16	+10·3
16 22	−12·5
17 10	+ 5·7
17 21	− 5·8
18 9	+ 5·6
18 15	+20·7
18 19	+11·1
18 20	+ 6·1
19 3	− 5·0
19 4	− 6·5
19 16	− 5·4
19 17	− 5·2
21 19	− 5·4
21 20	− 5·1
21 21	− 5·4
21 22	− 7·7
21 23	+ 9·8
22 0	+ 9·3
22 1	+ 7·2
22 2	+ 5·5
22 12	+ 5·0
22 13	+31·1
22 14	+ 5·4
22 15	+10·5
22 21	− 7·4
22 23	− 9·6
23 22	− 9·7
23 23	− 7·4
24 2	− 5·9
24 3	− 6·0
24 22	−11·1
25 13	+ 6·1
26 12	− 5·3
27 9	− 6·2
27 10	− 6·5
27 11	− 6·4
27 12	− 5·1
27 14	− 7·1
27 16	− 6·9
29 9	− 5·2
29 10	− 6·3
29 15	+13·9
30 3	+ 6·2
30 4	+ 5·2
30 15	− 5·7

Mean Gött. Time.	Disturbance.
1846	
JUNE.	
d. h.	s. Div.
30 16	+10·5
30 17	+ 9·4
JULY.	
1 14	+ 7·4
1 18	− 6·5
1 20	+ 5·5
1 22	+11·8
2 0	− 7·2
2 1	+ 6·6
2 6	+ 6·5
2 16	+ 6·5
2 17	+ 5·8
2 19	+ 7·9
2 20	+ 9·5
2 21	+11·9
2 22	+17·7
3 6	+ 6·4
3 7	+ 5·1
3 15	+11·4
3 16	+13·2
3 17	+16·4
3 21	+ 9·3
3 22	+ 9·5
3 23	+ 6·7
4 0	+11·2
4 1	− 6·4
4 2	− 6·7
4 14	− 6·5
4 15	− 7·4
5 18	− 5·0
5 19	− 6·3
5 20	−11·7
6 0	− 5·2
6 3	+ 5·5
6 6	− 8·9
6 11	+ 7·3
6 14	+ 9·5
6 15	− 8·9
6 17	+ 5·8
6 18	+ 5·9
7 2	+ 8·3
7 8	+ 7·7
7 13	+ 7·1
7 17	− 9·2
7 18	+ 5·8
7 23	− 6·7
10 21	+ 7 7
10 22	+17·5
10 23	+24·7
11 0	+13·6
11 3	−11·5

Mean Gött. Time.	Disturbance.
1846	
JULY.	
d. h.	s. Div.
11	− 6·0
11 5	+ 5·5
11 6	+ 6·1
11 8	− 7·5
11 15	+12·0
11 16	+11·1
11 17	+10·8
12 21	− 8·3
13 0	− 5·2
13 13	+ 6·4
13 21	− 7·5
13 22	−21·2
13 23	−17·1
14 13	− 5·3
14 18	+22·0
14 19	+21·6
14 20	+ 6·7
14 23	− 9·7
15 3	+ 5·3
15 5	+ 6·7
16 1	− 9·1
16 21	− 6·5
16 22	− 9·5
18 7	− 5·1
18 10	+ 8·3
18 11	+ 5·9
18 13	+ 9·3
18 17	− 5·0
19 20	− 7·5
19 21	+ 5·1
20 14	+ 8·7
20 18	+ 5·6
20 19	− 8·4
20 20	− 6·1
20 23	− 8·7
21 5	+ 5·5
21 6	+ 5·9
21 18	+14·2
21 19	+10·0
22 7	− 5·4
22 22	− 5·9
24 8	−10·1
24 9	− 8·4
24 10	− 7·2
24 11	− 8·1
24 12	− 6·0
24 13	− 8·7
24 22	− 8·5
25 4	+ 5·9
25 5	+ 6·3
25 7	+ 5·5
25 10	+ 5·4

Mean Gött. Time.	Disturbance.
1846	
JULY.	
d. h.	s. Div.
25 12	− 5·8
25 13	+ 5·8
27 9	− 5·4
27 17	− 6·2
28 5	− 5·1
28 22	+ 5·3
29 0	+ 7·8
29 1	+ 6·4
29 4	− 7·8
29 5	− 7·9
29 6	−12·9
29 13	+ 9·5
30 0	− 8·0
30 1	−10·6
30 9	− 5·8
30 10	− 8·8
30 11	−11·9
30 12	− 7·8
30 14	− 6·3
30 15	+18·1
30 17	+ 5·4
30 18	− 5·8
30 19	− 8·4
31 3	− 6·5
31 15	−10·4
31 18	−11·4
31 20	− 7·7
31 21	−12·5
AUG.	
1 2	− 5·3
1 3	− 7·9
1 13	+ 9·0
1 15	− 7·2
1 16	− 5·4
1 17	− 8·9
2 18	−10·7
3 14	+13·5
3 17	− 5·3
4 23	+ 5·1
5 13	+ 7·2
5 15	− 5·6
5 16	− 8·2
5 17	− 5·0
5 18	− 6·7
5 21	+ 9·9
5 22	+10·2
5 23	+ 9·3
6 14	+16·5
6 15	+53·6
6 16	+23·6
6 17	+15·3

Mean Gött. Time.	Disturbance.
1846	
AUG.	
d. h.	s. Div.
6 18	+ 6 3
6 20	− 9·0
6 21	−18·6
6 22	− 5·1
7 0	− 6·6
7 6	+ 9·5
7 7	+ 5·7
7 9	+10·3
7 16	+13·6
7 18	+ 6·1
7 19	−33·7
7 20	+ 8·6
7 23	−13·6
8 0	− 6·6
8 1	− 9·1
8 4	+ 8·8
8 5	+ 8·4
8 6	+ 6·8
8 7	+ 5·3
8 8	+ 7·5
8 9	+ 8·3
8 13	+16·8
8 17	+ 8·1
9 19	+12·4
9 20	+ 9·3
9 21	−12·3
10 0	− 7·8
10 1	− 8·6
10 5	+ 5·2
10 20	+ 7·2
11 3	+ 7·1
11 4	+ 7·1
11 5	+ 7·0
11 6	+ 5·0
11 15	+ 7·2
11 17	− 6·1
12 3	− 6·7
12 4	− 6·7
12 5	− 8·2
12 9	+ 6·5
12 13	− 5·2
12 15	+ 7·7
12 17	+ 5·8
12 19	+ 6·9
12 20	+ 7 0
12 21	+ 5·1
13 1	−20·4
13 2	− 17·3
13 3	−12·9
13 4	− 6·1
13 17	+14·3
13 18	+10·1
13 19	+ 9·9

Mean Gött. Time.	Disturbance.
1846	
AUG.	
h. m.	s. Div.
13 20	+14·0
13 21	+ 5·9
14 1	+ 8·4
14 3	−12 2
14 4	−13·1
14 5	−11·4
14 15	+34·0
14 16	+ 8·1
14 17	+12·3
14 18	−27·2
14 19	− 7·6
14 20	−21·2
14 21	+ 6·4
14 23	−12·3
15 0	−12·6
15 3	− 5·9
15 12	+30·4
15 13	+ 9·6
15 17	− 5·6
16 18	+ 9·1
16 19	+ 8·9
17 0	+ 5·4
17 14	+ 6·7
17 15	+11·6
17 17	− 5·1
18 14	+11·4
19 0	− 6·0
19 6	− 5·6
19 19	−11·0
20 4	− 5·5
20 15	− 6 4
20 16	− 5·2
20 17	− 6·3
20 18	− 5·3
21 14	− 6·7
21 15	− 7·4
21 22	+ 5·0
22 0	+ 8·1
22 1	+ 5·4
22 2	+ 6·1
22 5	− 6·6
22 10	− 5·8
22 15	− 8·2
22 16	− 6·4
23 23	+ 5·1
24 2	+ 6·9
24 3	+11·3
24 5	+ 9 6
24 9	− 6·2
24 11	− 9·1
24 12	+ 7·6
24 13	− 6·2

Mean Gött. Time.	Disturbance.
1846	
AUG.	
d. h.	s. Div.
24 15	+13·6
24 16	+ 6·9
24 18	+18·6
25 12	+10·4
25 22	− 8·6
26 2	+ 6·1
26 3	+ 5·9
26 17	+11·2
26 18	+ 5·9
27 9	− 5·5
27 13	− 5·1
27 14	− 6·3
27 16	− 5·4
27 18	− 7·1
27 19	−11·1
27 21	+ 7·1
27 23	+ 5·9
28 5	− 6·6
28 6	− 6·0
28 10	+11·4
28 11	+ 8·2
28 12	− 7·2
28 13	− 6·2
28 14	− 5·6
28 16	+19·0
28 20	− 6·6
28 22	− 7·6
29 6	+ 7·3
29 11	+ 6·8
29 13	− 5·7
29 14	− 9·1
29 15	− 6·7
29 16	− 6·6
30 18	+ 7·5
30 19	+ 6·9
31 14	+ 7·9
31 17	− 5·1
31 18	− 5.9
SEPT.	
1 18	+ 5·7
3 1	+ 5·7
3 2	+ 5·0
3 13	− 6·1
3 14	− 7·2
3 16	− 6·0
3 18	+ 7·7
3 20	+ 9·1
3 22	+ 8·8
4 0	−18·1
4 2	− 6·7

TABLE XXIX.—*continued.*

Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.
1846 SEPT.		**1846** SEPT.		**1846** SEPT.		**1846** OCT.		**1846** OCT.		**1846** NOV.		**1846** DEC.	
h. m.	Sc. Div.	h. m.	Sc. Div.	h. m.	Sc. Div.	h. m.	Sc. Div.	h. m.	Sc. Div.	h. m.	Sc. Div.	h. m.	Sc. Div.
4 3	+ 5·0	12 8	+ 8·1	22 3	−33·8	2 14	+13·1	10 4	− 8·2	2 2	−15·4	1 23	− 8·2
4 11	+ 9·0	12 10	+ 7·9	22 4	−11·1	2 15	+23·5	10 15	− 5·8	2 3	−16·4	2 2	− 7·0
4 14	+12·2	12 11	+ 6·4	22 5	− 9·3	2 16	+ 5·8	10 16	− 5·4	2 5	− 8·0	3 19	+ 7·9
4 20	− 5·9	12 14	+ 8·3	22 6	+ 5·7	2 17	+ 6·4	10 17	− 5·8	2 6	− 6·6	4 5	− 8·4
4 21	−10·9	13 21	+11·9	22 7	+13·2	2 19	+ 5·6	11 20	+ 5·2	3 2	− 9·6	4 6	− 6·7
4 22	−15·2	13 22	+ 6·1	22 10	− 9·8	2 20	+10·6	12 0	+ 5·0	3 3	− 5·8	4 16	+ 9·2
4 23	− 6·5	14 0	+ 6·7	22 12	+12·7	2 21	+ 8·8	12 2	−12·8	6 14	+ 6·4	9 12	−11·1
5 0	+12·9	14 2	− 5·5	22 15	+ 9·1	2 22	+11·7	12 3	− 9·0	7 2	+ 5·6	9 13	−11·5
5 1	− 5·9	14 13	+ 7·7	22 16	+ 8·7	2 23	+10·9	12 12	+ 5·5	7 4	+ 5·5	9 14	+ 8·9
5 5	− 6·9	14 16	+ 9·3	22 17	+10·5	3 0	+ 6·4	12 16	− 7·4	7 5	+ 5·2	9 16	+10·8
5 10	+ 5·8	14 17	+ 7·7	22 18	+13·5	3 1	+ 7·4	12 17	− 5·0	7 9	− 5·3	9 17	+ 7·9
5 11	− 6·6	14 19	+ 7·0	22 20	− 5·9	3 2	+ 5·2	13 10	+ 6·3	7 10	− 6·8	9 18	+ 6·0
5 12	+38·9	14 21	+ 6·3	23 10	− 5·6	5 4	− 6·6	13 13	+ 7·8	12 4	+ 6·1	11 1	− 6·6
5 13	+ 5·9	15 1	− 7·7	23 11	− 7·0	5 17	− 5·0	13 15	+11·3	12 5	+ 6·0	11 20	+ 7·4
5 14	+20·1	15 9	+ 5·8	23 12	−15·0	6 5	− 5·4	15 15	− 6·2	13 23	−15·8	11 21	+ 8·4
5 15	+12·6	15 10	+ 6·1	23 13	− 7·1	6 6	− 6·4	15 16	+13·8	17 7	−17·4	12 16	+13·6
6 19	−10·8	15 11	+ 7·5	23 14	− 5·2	6 12	+ 7·1	15 17	+ 8·8	17 8	−23·1	14 22	+ 6·7
6 22	− 7·4	16 14	+11·3	24 11	− 5·6	6 19	+ 5·4	15 19	+ 8·2	17 9	−14·3	23 13	+19·5
7 7	+ 5·3	16 22	− 6·4	24 12	− 5·9	7 1	+ 6·2	15 22	−11·4	17 10	−11·1	23 14	+ 7·8
7 10	+ 5·0	16 23	+ 6·2	25 3	·8	7 2	+ 7·2	15 23	+ 5·3	17 18	+ 7·7	23 15	+ 7·8
8 2	− 6·9	17 0	+ 9·1	25 15	·6	7 4	+ 5·5	16 15	− 5·0	17 19	+ 9·7	23 16	+ 5·5
8 8	+ 6·3	17 1	+ 7·5	25 18	− ·5	7 6	− 6·9	19 4	+ 5·2	17 22	+10·5		
8 9	+ 7·6	17 10	+ 5·7	25 21	− 5·9	7 7	− 7·1	19 11	− 5·2	17 23	− 9·8	**1847**	
8 17	− 8·4	17 21	−10·5	26 5	+ 5·0	7 10	− 6·1	19 13	− 7·8	18 0	+ 5·4	JAN.	
9 1	+ 6·7	17 23	+ 5·3	28 7	+ 5·9	7 11	−11·2	19 14	+ 7·3	18 4	− 9·7		
9 16	− 5·3	19 9	− 7·0	28 12	+ 8·7	7 15	+35·8	19 16	+27·8	18 5	− 7·2	1 22	+ 7·3
9 17	− 6·5	19 10	− 7·1	29 12	− 5·3	7 16	+10·4	20 1	+ 5·6	20 11	+15·7	3 21	− 7·2
10 5	− 5·2	20 19	−12·4	30 5	+ 5·2	7 18	+23·1	20 2	+ 8·0	20 12	− 6·4	4 19	−15·3
10 6	− 5·2	20 22	+ 8·8	30 10	− 6·1	7 21	+ 5·4	20 3	+ 5·8	21 15	+11·9	4 20	+ 5·2
10 8	− 5·9	20 23	+ 8·7	30 11	− 5·2	7 22	+ 7·2	20 4	+ 6·0	25 23	+ 5·6	5 14	+ 6·0
10 9	− 8·4	21 0	+ 6·9	30 12	− 5·3	8 1	−42·1	21 2	+ 5·0	26 1	+ 7·1	6 3	+ 5·0
10 10	− 7·3	21 1	+ 8·7	30 13	− 8·3	8 2	−19·5	21 4	+ 5·3	26 2	+ 6·4	6 4	+ 5·0
10 19	+ 7·4	21 2	+ 5·3	30 14	− 7·7	8 4	− 9·8	21 16	+17·4	26 3	+ 8·1	12 2	− 8·2
10 20	+ 7·3	21 3	+ 5·2	30 15	− 6·4	8 5	− 8·4	21 17	+ 7·4	26 4	−14·8	12 23	− 6·7
10 21	+ 8·1	21 4	+ 6·7	30 16	− 5·1	8 7	− 5·6	21 22	− 8·6	26 5	− 6·6	19 22	+ 5·5
10 22	+13·2	21 5	+ 6·2	30 19	+ 9·7	8 12	+ 5·3	22 3	− 6·7	26 16	+ 8·5	20 14	+10·1
10 23	+ 7·3	21 9	− 7·6	30 20	+ 6·1	8 13	+ 8·0	22 12	+13·1	26 17	+ 8·8	20 18	− 7·1
11 0	−32·7	21 10	−13·6	30 22	− 8·0	8 20	− 8·4	22 16	− 5·2	26 20	−16·5	28 14	− 6·4
11 1	− 5·8	21 11	− 5·8			9 8	− 5·6	22 20	− 5·4	26 22	+ 9·2	28 21	+16·6
11 2	− 6·1	21 12	− 6·1			9 12	+10·1	22 21	− 8·2	27 2	− 7·8	28 22	+10·1
11 3	− 7·4	21 13	+ 6·0	OCT.		9 13	+ 5·4	23 17	+ 6·0	27 3	−11·5	29 3	− 6·3
11 4	− 9·3	21 14	− 6·3			9 14	+ 7·7	24 12	− 5·5	27 13	+23·7	29 10	− 6·5
11 10	+ 8·4	21 15	−11·3	1 5	− 6·1	9 15	+ 7·9	24 15	+10·4	27 16	+ 5·5	29 11	− 7·7
11 11	+ 9·4	21 17	+ 7·9	1 12	+10·9	9 16	+ 6·8	25 23	− 5·9	27 22	− 6·6	29 12	−11·9
11 13	+38·1	21 18	+ 5·2	1 13	+ 8·0	9 17	+16·6	26 4	+ 6·0	27 23	− 7·1	30 6	+ 6·4
11 14	+ 5·0	21 19	+22·4	1 17	− 5·3	9 18	+12·9	27 3	+ 6·4	28 11	+ 6·7	30 9	− 8·5
11 17	+ 7·3	21 20	+15·7	1 20	− 8·6	9 19	+31·0	27 5	+ 5·6	28 13	+16·9	30 11	− 5·5
11 18	−10·5	21 21	+22·1	1 23	− 7·6	9 21	− 5·2	28 5	+ 5·2	28 15	+11·9	30 14	+ 8·2
11 19	− 5·0	21 22	+40·0	2 0	− 9·8	9 22	+14·0	30 0	− 6·2	29 19	− 6·1	30 15	− 5·4
11 20	− 7·3	21 23	−15·3	2 3	−10·0	10 0	−10·3	30 2	+15·0	30 1	− 5·0		
11 21	−12·7	22 0	−28·9	2 9	− 6·9	10 1	−16·8	30 6	+ 5·4	30 3	− 8·2	FEB.	
12 4	− 6·3	22 1	−27·1	2 11	− 7·7	10 2	−14·6	30 7	+ 5·0	30 14	+ 5·9	1 4	− 6·6
12 5	− 6·0	22 2	−44·7	2 12	−13·5	10 3	−12·1	30 19	− 6·0	30 19	− 7·3	3 9	− 5·5

TABLE XXIX.—*continued.*

Mean Gött. Time.	Disturbance.
1847	
FEB.	
d. h.	Sc. Div.
5 23	+11·0
6 2	+ 7·7
6 5	−15·3
6 12	+ 8·2
6 15	+13·8
6 16	+10·4
8 5	+ 5·1
8 14	+ 7·6
8 17	+ 6·6
8 18	+ 5·6
15 15	+ 5·7
15 22	− 8·9
16 2	− 6·2
18 3	+ 6·5
18 4	+ 5·4
21 20	− 7·7
21 21	+10·2
21 22	+ 8·1
21 23	+12·4
22 2	− 9·8
22 3	−13·0
22 4	− 8·8
22 10	− 6·6
22 12	−11·8
22 13	− 8·0
22 14	− 5·4
22 15	−14·5
22 16	+ 8·6
22 17	+ 5·5
22 18	−20·8
22 19	+11·8
22 20	+ 9·1
23 3	− 5·5
24 8	− 5·2
24 10	− 5·0
24 12	+ 9·0
24 13	+ 7·5
24 15	+10·7
24 16	+11·4
24 17	+ 8·3
24 19	+ 5·3
24 20	− 6·3
24 21	+ 6·6
25 1	+ 5·2
25 17	+11·8
25 18	+10·1
25 19	+ 7·8
25 22	− 6·1
26 11	+ 5·6
26 12	+ 5·2
26 20	+ 5·1
27 14	+ 8·6

Mean Gött. Time.	Disturbance.
1847	
MARCH.	
d. h.	Sc. Div.
1 1	+ 5·5
1 2	+ 8·0
1 7	− 6·4
1 8	− 7·0
1 9	− 9·2
1 10	− 8·6
1 11	− 9·3
1 12	−10·0
1 13	− 9·6
1 17	+ 6·9
4 11	− 6·7
4 12	−11·5
4 13	− 8·8
4 14	−11·1
4 15	+11·5
4 16	+ 5·3
5 13	+10·2
6 17	+ 7·2
7 18	+ 5·7
7 21	+ 5·5
7 22	+ 8·2
8 15	+ 9·0
8 19	+ 6·1
8 22	−14·8
9 1	− 6·2
9 2	−15·4
9 7	+ 5·3
10 1	− 5·2
10 8	+ 6·1
12 19	+ 5·0
12 22	+ 5·5
13 11	− 5·1
14 22	− 7·6
18 6	− 5·2
18 7	− 5·1
18 15	+ 5·5
18 18	+ 8·3
18 19	+11·2
18 20	+11·3
19 0	+ 5·4
19 1	−51·2
19 2	−42·7
19 3	−14·0
19 4	− 6·6
19 5	− 7·2
19 9	+20·0
19 10	+11·5
19 12	+21·6
19 13	−11·7
19 14	− 5·6
19 15	+16·4
19 16	+19·6
19 17	+48·1

Mean Gött. Time.	Disturbance.
1847	
MARCH.	
d. h.	Sc. Div.
19 18	+20·4
19 20	+ 7·4
20 2	+ 5·1
20 13	+ 5·7
20 17	+28·3
22 20	− 5·6
22 23	+ 6·0
23 12	− 6·7
23 14	+16·4
23 20	+ 8·3
23 21	+ 7·3
24 1	− 5·2
24 2	− 8·9
24 3	− 5·6
24 12	+ 8·1
24 18	−17·9
24 19	− 8·0
25 17	− 5·5
29 21	− 6·6
30 0	+ 5·0
30 2	+ 5·1
31 11	+ 5·4
APRIL.	
1 4	+ 5·3
3 0	− 7·5
3 3	− 5·0
3 4	− 7·1
3 6	− 5·1
3 7	− 6·4
3 8	− 5·2
3 9	− 8·3
3 10	− 7·4
3 12	− 8·8
3 13	+12·8
3 14	− 6·4
3 15	+14·9
3 16	+23·2
3 17	+ 9·2
4 21	− 5·0
4 22	− 6·8
5 2	+ 5·0
5 4	+ 5·0
5 12	+ 5·2
5 14	+ 8·2
5 17	− 9·4
6 2	+ 6·6
6 3	+ 5·0
6 15	+ 6·3
6 16	− 6·0
7 1	+ 5·2
7 2	+ 7·0
7 4	+ 5·0

Mean Gött. Time.	Disturbance.
1847	
APRIL.	
d. h.	Sc. Div.
7 8	− 6·2
7 10	− 6·9
7 11	− 8·0
7 13	−12·6
7 14	−15·5
7 15	+19·3
7 16	−12·6
7 17	+ 7·5
7 18	+ 5·1
7 19	+41·0
7 21	−30·1
7 22	+18·5
7 23	+ 9·4
8 0	+11·5
8 1	+ 7·4
8 2	+ 5·9
12 10	− 7·6
13 19	− 6·3
14 11	− 7·4
15 5	− 5·1
15 6	− 5·4
15 21	+ 8·1
15 22	+ 6·2
15 23	+ 5·6
16 0	+ 6·5
16 1	+ 8·8
16 2	+ 6·6
16 5	− 5·1
16 7	− 5·2
16 17	+ 6·4
16 18	+ 5·1
16 20	−11·4
17 0	− 5·5
17 1	− 5·1
17 3	+ 6·4
17 4	+ 6·0
19 19	+ 7·9
19 20	−17·7
19 21	+ 7·3
20 0	− 9·2
20 1	−22·7
20 2	−25·7
20 3	−20·4
20 4	−15·3
20 5	−10·3
20 6	− 7·2
20 8	−11·0

Mean Gött. Time.	Disturbance.
1847	
APRIL.	
d. h.	Sc. Div.
20 9	−10·1
20 10	−17·2
20 11	−10·8
20 12	− 8·0
20 13	− 7·1
20 19	+ 5·4
20 20	+ 8.4
21 1	−42·2
21 2	−38·9
21 3	−23·6
21 4	−18·5
21 5	− 6·9
21 11	+19·0
21 12	+16·6
21 17	− 5·6
21 18	− 5·0
22 8	+ 5·3
26 9	+ 5·8
26 13	+ 5·0
27 1	+ 5·6
28 13	+ 5·6
28 19	+ 7·1
28 20	+14·6
28 22	−13·6
29 1	+ 8·6
29 2	+ 8·2
29 10	+ 9·8
29 11	+ 9·9
29 13	+11·4
29 14	+ 7·5
29 15	− 8·7
29 20	−15·0
29 21	+ 6·8
29 22	+10·2
29 23	+ 5·8
30 15	− 6·7
30 17	+ 7·0
30 18	+ 7·1
MAY.	
1 4	+ 6·5
1 5	+ 5·2
1 9	+ 5·2
6 12	+ 6·1
6 21	− 8·6
7 14	+18·7
7 16	+10·8
7 17	+19·2
7 18	+13·1
7 19	−98·8
7 20	+19·3
7 21	+ 6·8

Mean Gött. Time.	Disturbance.
1847	
MAY.	
d. h.	Sc. Div.
7 22	−11·8
7 23	−12·6
8 0	−23·4
8 1	−22·6
8 2	−16·7
8 3	−16·7
8 6	+ 5·3
8 7	+10·2
8 8	+ 9·0
8 9	+ 9·7
8 10	+ 7·6
8 11	+ 5·1
9 20	− 5·9
12 4	− 5·7
12 5	− 5·6
12 6	− 6·1
13 5	− 5·2
13 6	− 7·5
13 7	− 5·8
14 22	+ 9·8
14 23	+26·4
15 0	+13·6
15 1	+10·3
15 2	+10·2
15 5	−10·9
15 6	− 6·6
15 7	−10·1
15 8	− 5·9
15 9	− 5·0
15 13	+ 5·2
15 14	−10·5
15 16	+ 9·5
17 21	− 6·6
18 4	+ 7·6
18 5	+ 6·7
18 20	− 8·2
19 15	+ 5·7
19 17	+ 6·4
20 4	− 7·3
20 5	− 5·6
20 11	+ 6·7
20 23	+ 5·0
26 0	+ 5·1
27 0	+ 6·2
27 13	− 6·1
27 17	+11·0
28 15	+ 5·3
28 18	+12·5
28 19	−29·2
28 23	+10·5
29 0	+ 6·9
29 4	− 5·3
31 5	+ 5·8

Mean Gött. Time.	Disturbance.
1847	
JUNE.	
d. h.	Sc. Div.
1 7	− 6·8
1 12	− 5·0
1 23	− 9·8
2 0	− 6·2
3 15	+ 9·3
3 19	− 7·1
4 6	+ 5·8
7 15	+ 6·4
7 16	+ 5·2
7 17	+ 6·1
7 19	+ 6·1
7 21	+11·6
7 22	+ 6·9
7 23	+ 7·4
8 1	+ 5·5
8 23	+ 7·2
9 4	− 6·0
10 1	− 8·7
10 6	−11·9
10 16	+ 6·3
11 14	+23·2
12 9	− 6·0
12 11	− 7·3
12 12	−10·0
12 13	+ 5·4
12 14	+10·8
12 16	+ 7·8
12 17	+ 7·0
13 18	+20·4
13 20	+ 7·4
14 1	− 9·3
15 3	+ 5·2
15 4	+ 8·6
15 16	+ 6·0
15 21	− 5·4
17 13	+ 8·2
17 17	+ 5·7
17 19	− 5·5
17 20	− 5·0
18 10	+ 5·2
18 14	+ 5·4
21 9	− 5·0
21 11	− 5·4
21 23	− 6·8
26 5	− 5·2
28 12	+ 5·0
29 19	+ 8·7
29 21	−10·7
30 15	+ 8·3
30 16	+10·0
30 19	+ 5·7

TABLE XXIX.—*continued.*

Mean Gitt. Time.	Disturbance.	Mean Gitt. Time.	Disturbance.	Mean Gitt. Time.	Disturbance.	Mean Gitt. Time.	Disturbance.	Mean Gitt. Time.	Disturbance.	Mean Gitt. Time.	Disturbance.	Mean Gitt. Time.	Disturbance.
1847		**1847**		**1847**		**1847**		**1847**		**1847**		**1847**	
JULY.		JULY.		AUG.		SEPT.		SEPT.		SEPT.		OCT.	
D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.	D. H.	Sc. Div.
1 6	+ 5·2	26 4	− 8·3	17 1	+ 7·1	4 2	+ 5·8	17 21	+ 7·0	27 16	− 5·0	14 6	− 5·3
5 20	+ 5·8	26 6	− 7·7	17 4	+ 5·5	4 8	+ 6·8	18 1	+ 5 9	28 12	+21·7	14 19	+ 6·9
5 21	+11·7	26 15	+ 6·5	17 15	− 5·2	4 9	+ 5·0	18 2	+ 5·3	28 13	+13·8	15 2	− 9·2
5 22	+ 6·9	27 11	+ 5·9	18 10	− 7·4	4 10	+ 6·3	18 3	+ 7·5	28 14	− 7·5	15 12	+13·7
5 23	+ 5·8	27 12	+ 5·4	18 11	− 5·9	4 14	+15·6	20 17	+ 9·3	28 18	− 8·3	15 21	+ 6·9
6 16	+ 8·1	27 19	+ 9·0	18 15	+15·4	4 15	+ 5·3	20 19	+ 6·5	28 21	− 6·9	16 17	+ 5·2
6 23	−16·9	27 20	+ 9·2	19 10	− 5·4	4 17	− 6·2	20 20	+ 6·4	28 22	− 6·4	17 18	+ 8·0
7 5	− 9·9	28 4	− 6·4	20 3	− 5·3	6 15	+ 8·4	21 18	− 6·6	29 3	+ 8·2	17 [illegible]	+11·2
7 6	− 8·8	29 21	+ 5·7	20 7	+ 5·6	6 16	+ 6·4	22 4	− 6·0	29 4	+ 5·3	17 20	+ 7·8
7 16	+10·1	30 15	+ 6·4	20 8	+ 7·9	6 18	+ 6·4	22 9	+ 5·0	29 5	+ 6·5	17 22	+11·6
7 17	+12·1	30 16	+ 6·2	22 19	− 5·2	7 3	+ 5·1	22 10	+ 5·1	29 6	+ 8·3	18 0	+ 7·8
8 2	− 6·4	30 17	+12·5	23 21	+ 5·5	8 5	+ 7·2	22 19	+ 5·9	29 7	+17·3	18 2	− 6·6
8 3	− 8 7	31 3	+ 5·3	24 19	+ 7·2	9 2	−10·3	23 2	−11·9	29 9	− 9·0	18 3	− 9·4
8 [illegible]3	+ 5·6	31 16	+ 5·1	25 1	− 6·3	9 3	− 6·9	23 3	−18·4	29 10	− 5·7	18 4	−13·6
9 10	−10·2			25 2	− 8·2	9 4	− 8·9	23 4	−13·7	29 11	+ 5·3	18 11	+ 9·4
9 11	− 6·8	AUG.		25 4	− 6·2	9 6	− 8·4	23 5	− 9·5	29 12	+ 9·2	18 12	+ 7·5
9 12	−10·5	2 4	+ 7·1	25 5	− 5·2	9 7	− 9·2	23 6	− 6·6	29 14	+19·0	19 1	− 6·6
9 14	− 5.7	2 5	+ 6·6	25 17	+ 8·7	9 8	− 6·8	23 9	+ 5·9	29 16	+ 7·6	19 2	− 6·4
9 15	−30·5	3 6	+ 7·0	25 18	+ 7·5	9 9	− 7·2	23 10	+ 5·2	29 17	+ 7·8	19 4	− 8·0
9 16	+13·5	3 7	+ 5·4	25 19	+ 8·0	9 10	− 5·7	23 18	+11·4	29 19	+ 6·3	19 16	+ 9·9
9 17	+15·7	3 15	− 6·1	25 21	+ 6·8	9 18	− 5·6	23 20	+ 8·3	29 20	− 6·6	20 19	− 5·3
9 18	+10·1	4 1	+ 6·9	25 22	+ 5·6	10 15	+ 5·1	23 21	+11·2	30 4	+11·1	22 10	− 8·5
9 19	+15·9	4 8	+ 5·0	27 21	+ 6·3	11 15	+ 5·2	23 22	+26·6	30 5	+10·4	22 20	+22·1
9 23	+ 6 6	4 16	+16·6	28 6	− 5·4	12 20	+ 7·0	23 23	− 9·6	30 6	+10·4	22 21	−20·5
10 3	+ 5·5	4 17	+ 5·6	28 14	+11·8	12 21	+10·4	24 1	−299·3			22 22	+18·3
10 4	+ 7·0	4 19	+ 6·6	31 3	− 6·1	12 22	+ 5·2	24 2	−36·2	OCT.		22 23	+26·1
10 6	+ 5·7	4 20	+10·0	31 4	+ 6·9	12 23	+14·2	24 3	−32·3	1 6	+ 5·9	23 0	+22·8
10 8	+ 7·3	4 22	+14·1	31 6	+ 6·6	13 2	−18·3	24 5	+47·0	2 4	− 7·6	23 1	−59·2
10 14	+ 7·7	4 23	+ 7·7	31 7	+ 6·2	13 3	−17·1	24 6	−22·2	5 11	− 6·2	23 2	+24·6
10 15	+ 5·6	5 13	+11·9	31 9	+ 6·5	13 4	−10·7	24 7	+24·1	5 12	− 7·7	23 4	+13·7
11 20	−13·5	5 15	+14 6	31 10	+ 9·6	13 5	−14·8	24 8	−13·5	7 20	+ 6·1	23 5	+15·8
11 21	− 7·1	5 16	+ 8·6	31 11	+13·0	13 6	− 5·0	24 9	− 6·3	7 21	+11·7	23 6	+13·7
12 14	+11·5	5 17	+ 6·1	31 12	+13·5	13 7	− 6 2	24 11	+13·2	7 22	+ 9·8	23 11	+11·4
12 19	−13·1	5 20	− 5·4	31 13	+12·0	13 10	+ 5·1	24 12	+ 6·7	8 0	+ 5·9	23 12	+11·5
13 14	+12·7	5 21	−10·6	31 14	+11·7	13 14	+ 7·5	24 14	+ 5·1	8 7	− 5·1	23 14	+ 5·2
16 10	− 5·0	6 3	+ 5·3	31 15	+ 9 9	13 17	+ 8·9	24 17	− 5·5	8 8	− 6·6	23 16	− 5·1
16 11	− 5·3	6 18	+ 6·3	31 16	+10·2	13 18	+ 7·0	24 18	−11·2	8 9	+ 7·9	23 17	−30·6
16 12	− 6·1	6 22	− 5·9	31 17	+ 7·3	15 1	+ 5·4	24 19	− 6·7	8 10	− 8·6	24 18	−77·7
16 22	− 9·7	6 23	− 8·8	31 18	+10·5	15 2	+ 6·0	24 20	−10 6	8 11	− 9·3	24 20	+62·8
17 1	− 7·4	7 10	+10·4	31 19	+ 9·2	16 1	+ 7·6	25 7	− 5·3	8 12	−15·7	24 21	+19·1
17 2	− 7·0	7 12	+15·8	31 20	+10·4	16 2	+10·5	25 14	− 5·0	8 13	− 6·2	24 22	−37·1
17 8	− 6·2	7 14	+ 8·2	31 21	+10·7	16 3	+ 9·1	26 18	+ 7·2	8 18	−15·9	24 23	+ 9·6
21 7	− 7·5	7 15	+12·5	31 22	+ 8·8	16 4	+ 9·1	26 19	+16·3	9 4	+ 9·6	25 1	− 6·1
21 18	+15·1	8 18	− 5·3	31 23	+ 8·4	16 5	+ 6·8	26 21	− 5·9	9 5	+ 5·9	25 2	−22·8
21 19	+ 6·1	11 18	+ 7·5			16 13	− 6·2	26 22	− 6·2	11 20	− 6·0	25 3	− 9·1
21 20	+ 5·5	13 23	+ 5·2	SEPT.		16 14	− 5·5	26 23	−15·0	12 3	+ 5·0	25 5	−11·1
21 23	+ 5·8	14 0	+ 5·9	2 6	+ 5·4	16 16	+15·2	27 0	−142·7	12 22	+13·6	25 7	+14·7
22 16	+23·1	14 4	− 7·6	2 8	+ 5·6	16 18	+ 5·3	27 1	−43·3	13 2	−53·6	25 8	+ 6·5
22 17	+17·7	17 6	−17·4	2 14	− 6·0	17 1	+ 6·1	27 2	−32·9	13 3	−15·4	25 12	+90·5
22 18	+ 5·9	15 22	− 5·9	2 15	− 5·5	17 4	+ 5·1	27 3	−17·7	13 4	−10·2	25 14	+ 8·7
22 20	− 7·3	16 9	+ 6·9	3 2	+ 5·7	17 7	− 7·3	27 6	− 7·0	13 5	−21·6	25 19	−10·1
24 9	+ 5·8	16 21	− 6·3	3 13	+ 7·9	17 19	+ 6 3	27 8	+ 5·5	13 6	− 5·1	27 3	+ 5·2
24 17	+14·3	17 0	+ 5·2	3 14	+10·5	17 20	+ 5·4	27 9	+ 5·4	13 8	− 5·1	29 0	−12 5

TABLE XXIX.—*continued.*

Mean Gltt. Time.	Disturbance.
1847	
OCT.	
D. H.	Sc. Div.
29 3	+ 8·4
29 4	+ 7·6
29 5	+10·1
31 23	+ 6·6
NOV.	
1 1	+ 6·1
1 3	−24·7
1 4	−16·5
1 11	−12·9
1 13	− 7·5
1 14	+ 5·6
1 16	− 6·3
1 17	+ 6·0
1 19	+ 7·8
1 20	+ 6·0
2 1	+ 5·4
2 16	− 6·3
2 19	− 8·4
2 22	+ 5·4
3 2	− 7·1
3 19	−12·0
5 20	+ 6·2
5 21	+ 8·3
5 22	+ 6·0
5 23	+ 8·9
7 23	+ 5·3
8 2	− 5·1
8 4	−10·1
8 18	− 9·6
9 15	+ 9·6
10 2	+ 6·9
10 5	− 5·5
10 6	− 6·0
10 7	− 5·8
10 15	+ 6·2
10 17	+ 6·0
11 3	+ 6·0
11 4	+ 5·6
12 2	+ 5·9
12 3	+ 7·7
12 4	+ 8·3
13 2	+ 6·3
13 3	+ 6·8
15 15	+ 6·3
15 19	+ 7·6
15 23	− 8·1
16 7	− 6·9
16 11	− 5·6
17 22	− 6·6
18 22	− 6·0
19 10	+14·2
19 11	− 8·1

Mean Gltt. Time.	Disturbance.
1847	
NOV.	
D. H.	Sc. Div.
19 12	− 7·6
20 1	−28·6
20 2	−10·5
20 3	+ 7·7
21 20	− 5·6
22 8	−10·3
22 9	+12·5
22 10	−12·2
22 11	− 8·3
22 12	− 5·4
22 13	+13·1
22 15	+10·0
22 16	+ 8·3
22 18	+ 7·3
22 19	− 7·4
22 20	− 9·4
22 21	− 8·5
23 17	− 6·2
24 16	+29·5
24 19	−10·2
25 2	+ 6·9
25 5	+ 7·4
25 9	− 9·7
25 10	− 5·8
25 11	− 5·7
25 14	−12·1
25 15	+69·4
25 17	+10·4
25 18	+ 9·2
25 19	+12·2
25 20	+ 9·4
25 21	+ 5·5
26 0	− 6·0
26 2	−13·0
26 12	+ 6·2
26 13	+ 5·7
26 21	− 8·2
26 22	− 8·0
27 3	+ 6·6
27 14	+ 6·0
29 7	+ 9·6
30 22	+ 8·4
30 23	+ 7·9
DEC.	
1 7	+ 9·0
1 8	+11·0
1 22	+ 7·8
2 12	− 8·6
2 13	− 6·8
2 17	+ 7·4
2 20	− 9·2

Mean Gltt. Time.	Disturbance.
1847	
DEC.	
D. H.	Sc. Div.
3 4	− 6·4
4 3	−12·6
7 14	− 6·3
7 15	− 5·4
7 18	− 5·7
7 22	+ 5·9
7 23	+ 8·4
8 4	− 9·9
8 5	− 5·4
8 6	− 7·2
9 3	− 9·7
9 4	− 6·0
9 5	− 6·6
9 6	− 6·2
9 8	− 5·2
9 20	−15·6
10 0	+ 5·1
10 5	− 5·9
10 6	− 7·4
10 9	− 5·2
10 10	+ 8·3
10 16	+ 8·6
10 17	+10·8
10 18	+14·9
10 19	+ 5·5
10 22	− 6·1
10 23	−11·4
11 0	−13·0
11 1	−13·0
11 2	−12·0
11 3	− 5·5
14 4	+ 6·0
14· 5	+ 5·1
14 22	− 5·2
15 5	+ 5·2
15 19	− 6·3
16 4	+ 5·3
16 5	+ 5·6
16 18	+ 5·3
16 21	+ 6·1
16 22	+10·6
17 3	+15·3
17 4	+26·0
17 5	− 6·8
17 6	+10·0
17 8	−16·4
17 9	− 9·8
17 11	− 6·3
17 15	− 6·4
18 0	− 6·8
18 2	−14·5
18 4	− 8·9
18 14	+10·7

Mean Gltt. Time.	Disturbance.
1847	
DEC.	
D. H.	Sc. Div.
18 17	+ 8·1
19 18	− 7·1
19 19	+29·1
19 20	+10·8
19 21	+ 7·1
19 22	−31·8
19 23	−268·8
20 0	−103·5
20 1	−102·7
20 3	−69·4
20 4	−29·4
20 5	+ 5 0
20 6	+ 5·9
20 7	− 6·9
20 9	+16·9
20 12	+ 9·2
20 13	+22·2
20 15	+ 5·9
20 16	+ 6·4
20 19	+ 8·5
21 4	+ 6·0
21 19	− 5·3
21 21	− 5·2
22 3	−12·2
22 12	+23·2
22 18	+ 8·5
22 19	− 8·3
27 2	+ 5·7
29 4	+ 5·1
29 8	− 6·0
29 13	+ 9·9
1848	
JAN.	
1 8	+ 5·4
3 6	+ 5·6
3 7	+ 5·4
3 9	− 6 1
3 10	− 8·6
3 15	+ 6·4
3 16	+ 5·9
3 17	+ 7·0
3 18	+ 9·6
3 21	+15·1
3 22	+10·4
4 1	− 6·5
4 4	− 7·9
4 5	− 5·3
7 2	− 9·5
8 9	+ 8·5
10 3	+10·8
11 13	+ 9·6
11 14	+13·5

Mean Gltt. Time.	Disturbance.
1848	
JAN.	
D. H.	Sc. Div.
11 15	+ 8·1
11 16	+ 5·7
11 22	+ 9·9
11 23	+ 5·1
12 2	+ 8·3
12 3	+ 7·0
12 6	−18·2
12 8	+ 7·8
12 9	− 8·9
12 11	− 6·5
12 22	− 9·2
13 2	−14·2
13 3	−12·6
13 8	− 5·0
13 10	− 5·8
13 22	− 5·9
14 5	+ 5·9
14 7	− 5·0
14 8	− 7·6
14 9	−10 5
14 13	+ 7·2
15 3	− 6 0
15 3	+13 6
19 4	+ 5 7
19 20	− 7·1
19 21	− 5·7
23 23	+10·3
24 0	− 6·0
24 1	+ 7·1
24 3	−14·3
24 4	−10·9
24 5	−11·2
24 7	− 6·1
24 8	− 9·6
24 11	− 7·2
24 12	− 5·9
25 5	− 5·4
25 6	− 5·7
25 7	− 8·5
25 8	− 9·2
25 9	− 6·1
26 1	+ 5·1
26 2	+ 7 1
26 4	− 6·5
27 2	+ 6·3
27 18	+11·0
27 19	+ 7·3
27 20	+ 5·9
27 21	+10·1
27 22	+11·4
28 5	+13·2
28 13	+ 9·0
28 14	+23·6

Mean Gltt. Time.	Disturbance.
1848	
JAN.	
D. H.	Sc. Div.
28 15	+ 9·1
28 16	+ 7·8
28 17	+ 6·4
28 18	+16·6
28 21	− 7·1
28 22	+15·9
28 23	+15·1
FEB.	
2 1	− 6·1
2 22	−51·1
6 18	+21·5
6 19	+16·1
6 21	+12·8
7 11	− 6·8
7 13	− 6·5
8 6	− 9·2
8 7	− 5·7
8 14	− 7·3
8 15	+ 5·8
8 17	+ 9·3
8 18	+10·9
8 19	+ 6·4
8 22	− 6·6
8 23	− 5·6
9 0	+ 5·6
9 3	+ 8·4
9 10	− 7·8
9 14	+ 6·7
12 2	− 5·1
12 3	− 7·4
14 10	− 6·2
14 11	−19·0
14 12	− 5·8
15 2	−10·9
15 3	− 6·2
15 6	− 5·6
15 7	− 5·4
19 22	+ 6·5
17 2	+ 5·7
18 19	+ 5·3
19 0	+ 5·8
19 1	+ 6·3
19 4	− 5·2
19 5	− 8·1
19 6	− 9 6
19 7	−11·3
19 15	− 5·9
19 16	− 7 3
20 19	+ 5·9
20 20	−25·6
20 22	+ 8·0
21 0	− 8·2

Mean Gltt. Time.	Disturbance.
1848	
FEB.	
D. H.	Sc. Div.
21 1	−19·7
21 2	+10·5
21 3	+ 6·4
21 9	− 9·6
21 10	+15·3
21 11	+29·4
21 13	− 7·3
21 15	+175·5
21 16	+ 9·2
21 17	+ 7·6
22 1	+10·6
22 8	− 9·6
22 9	−20·6
22 10	− 8·4
22 11	− 6·5
22 12	− 5·9
22 13	+ 9·3
22 17	+ 7·5
22 19	−34·9
22 20	−19·2
22 21	−13·2
22 22	−13·3
23 23	−10·4
23 6	+ 6·9
23 7	+ 8·5
23 10	− 5·0
23 15	+ 8·6
23 16	+ 7·7
23 17	+20·9
23 18	+ 9·9
23 19	+23·7
23 20	+ 9·2
23 22	+ 8·1
23 23	−13·6
24 0	−14·4
24 1	− 8·2
24 2	−15·5
24 3	− 5·1
24 4	−11·9
24 5	− 5·3
24 10	+13·2
24 16	− 9·3
24 18	+24·5
24 21	+ 5·0
24 22	−17·5
24 23	+12·7
25 1	−13·4
25 2	−14·9
25 3	− 7·9
25 12	+ 7·8
26 15	+18·2
28 8	− 7·0
29 15	− 6·8

TABLE XXIX.—*continued.*

Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött Time.	Disturbance	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.	Mean Gött. Time.	Disturbance.
1848		**1848**		**1848**		**1848**		**1848**		**1848**		**1848**	
FEB.		MARCH.		MARCH.		APRIL.		MAY.		MAY.		MAY.	
d. h.	Sc. Div.	d. h.	Sc. Div	d. h.	Sc Div.	d. h.	Sc. Div.	d. h.	Sc. Div.	d. h.	Sc. Div.	d. h.	Sc. Div.
29 16	+14·8	17 17	− 5·1	30 11	− 5·4	6 22	+36·7	1 15	+ 5·1	17 2	+ 6·3	31 16	+ 7·0
29 17	+ 9·5	19 19	−13·8	30 13	− 5·2	6 23	+13·7	1 20	− 5·8	17 3	+ 8·3	31 17	− 8·5
		19 21	+13·8	31 0	− 6·5	7 0	+ 7·6	1 21	− 5·5	17 7	−11·1		
MARCH.		20 0	−10·4	31 1	− 7·1	7 2	−12·1	1 22	− 6·0	17 8	− 9·5	JUNE.	
1 7	+ 6·8	20 1	−15·6	31 7	− 5·2	7 3	−22·7	2 15	+ 6·7	17 9	− 7·8	3 15	+ 7·3
1 12	+ 5·7	20 2	− 9·9	31 9	+ 9·4	7 8	+ 5·5	2 16	+ 7·2	17 14	− 8·5	3 17	− 5·8
1 15	+16·0	20 3	−22·5	31 15	+24·8	7 10	+10·0	2 17	+ 6·9	17 17	+10·8	4 22	− 6·2
2 4	+ 5·8	20 4	−14·2	31 16	+ 9·1	7 17	+18·7	2 21	− 5·1	17 18	+ 6·5	5 8	− 5·5
2 5	+ 7·8	20 5	−10·3	31 19	+11·3	7 18	+16·1	3 11	+ 5·6	17 19	−20·3	5 11	+ 5·3
2 6	+ 7·9	20 6	− 6·2	31 21	+10·9	7 22	− 9·3	3 15	+23·1	17 22	+ 9·0	6 0	− 6·4
8 0	+ 5·8	20 8	+27·6			7 23	−13·8	3 22	−11·8	17 23	+15·4	9 8	+ 5·0
8 2	+ 5·2	20 9	+10·8	APRIL.		8 0	+ 5·8	3 23	+ 7·1	18 1	+ 9·6	9 17	+ 5·2
8 3	+ 8·6	20 10	+ 6·9	1 3	+ 6·5	9 20	− 5·2	4 0	+ 7·5	18 2	+12·7	9 18	+ 5·7
8 6	− 8·4	20 12	+ 6·3	1 13	− 8·0	10 18	−12·9	4 1	+ 7·2	18 3	+10·4	9 22	+ 6·2
8 7	− 5·0	20 14	− 7·0	1 15	+14·8	15 9	− 5·4	4 2	+ 7·9	18 4	+10·3	13 19	+ 9·4
8 8	− 6·4	20 15	− 6·6	1 17	+ 6·0	15 10	− 9·6	4 3	+ 8·3	18 5	+ 7·6	13 20	+ 7·3
8 9	− 5·8	20 16	− 8·1	2 18	+ 9·1	15 11	− 5·4	4 5	− 5·3	18 6	+17·2	14 0	+ 5·8
8 10	− 7·2	20 18	+ 6·3	2 20	− 6·1	15 13	+ 9·4	5 7	− 5·1	18 7	−20·1	14 15	+ 5·9
8 17	+ 7·5	20 19	− 6·0	2 21	− 7·2	15 15	− 8·5	5 8	− 8·1	18 8	−10·5	14 16	+12·4
10 3	+ 5·4	21 0	+ 6·3	2 23	− 5·8	15 16	− 9·7	5 13	+ 6·2	18 9	+ 7·2	15 4	− 6·4
10 4	+ 7·8	21 3	+ 5·2	3 0	−18·0	16 19	− 6·8	6 1	− 5·0	18 13	−18·2	15 5	− 5·2
10 5	+ 6·8	21 4	+ 7·0	3 1	−13·9	17 9	− 5·7	6 4	+ 8·1	18 14	+18·1	15 8	+ 5·7
10 6	+ 6·0	22 8	− 5·2	3 2	−14·9	17 10	− 6 2	6 5	+ 6·5	18 15	− 9·5	15 13	+ 6·7
10 7	+ 6·6	22 9	− 5·0	3 10	+11·1	17 11	− 8·9	6 6	+ 5·3	19 5	+ 6·5	19 10	− 6·9
11 4	+ 6·2	22 17	− 5·7	3 13	− 9·2	17 12	− 8·4	7 19	+14·3	19 13	+ 7·8	19 20	− 6·3
11 5	+ 5·0	23 8	− 5·4	3 15	+11·1	17 14	+24·9	7 21	+17·4	19 18	−15·7	20 0	− 8·1
14 19	+11·6	23 15	+ 6·0	3 16	+ 8·3	20 14	+12·4	7 22	+ 8·6	19 23	− 6·7	20 1	− 5·5
14 23	+ 7·0	23 21	+ 7·6	3 17	− 8·7	21 18	+10·3	8 0	− 8·6	20 0	−10·2	20 5	+ 5·8
15 2	−10·9	23 22	+ 7·2	3 18	+ 7 6	21 19	+30·2	8 1	− 9·0	20 1	− 9·8	20 14	+ 5·9
15 3	−16·4	23 23	− 5·6	4 2	+ 5·5	21 20	+57·0	8 3	−14·3	20 7	+ 5·9	21 2	− 5·4
15 4	−20·2	24 1	− 7·6	4 3	+ 8·5	21 21	+24·6	8 9	+ 8·8	20 8	+ 5·7	21 14	− 5·1
15 9	+ 5·3	24 8	− 7·2	4 4	+10·5	21 22	+16·5	8 17	+ 6·3	21 19	− 7·7	21 19	+ 5·8
15 18	+10·4	24 9	− 6·7	5 0	+ 7·6	21 23	+14·6	8 18	+ 8·7	22 5	− 5·3	21 20	+10·4
15 19	+ 9·0	24 17	+25·3	5 2	−12·1	22 2	− 5·0	8 19	+ 7·5	22 23	− 7·2	21 21	+ 5·4
15 20	+ 6·4	24 18	+ 8·1	5 3	−22·7	22 4	− 5·1	8 20	+ 6·8	23 7	+ 5·5	21 22	− 8·4
15 21	+ 7 4	24 19	+ 5·2	5 8	+ 5·5	23 18	−10·5	8 21	+ 7·3	23 22	− 6·5	21 23	+ 7·6
16 0	+11·5	24 20	− 5·8	5 10	+10·0	24 13	+ 6·6	9 3	− 5·6	24 9	− 6·8	22 0	− 6·2
16 1	+ 8·8	25 0	− 5·6	5 17	+18·7	28 17	+ 9·5	9 4	− 5·1	24 13	+11·5	22 6	+ 6·4
16 2	+ 8·2	25 1	+ 7 3	5 18	+16·1	28 19	+12·3	9 6	+ 5·2	24 15	− 5·5	22 10	+ 8·2
16 17	+13·5	25 4	−20·0	5 22	− 9·3	28 20	+21·1	9 7	+ 5·9	24 20	− 5·8	22 14	+ 6·7
16 20	+24·3	25 5	− 7.2	5 23	−13·8	28 21	+18·5	10 1	− 9·5	25 7	+ 5·5	22 15	+ 6·1
16 21	+15·0	25 6	+ 7·0	6 1	+ 6·2	28 22	+19·0	10 2	−12·7	26 20	+ 5·7	23 9	+ 5·7
16 22	+16·7	25 12	− 8·1	6 2	+ 9·6	28 23	− 5·0	10 3	−12·1	26 21	+11·3	23 22	− 5·4
16 23	+ 6·0	26 18	+ 5·4	6 3	+ 6·7	29 0	+ 8·6	10 5	+10·7	27 0	+ 6·2	23 23	− 6·6
17 0	− 8·1	26 21	−12·9	6 4	+ 5·9	29 2	+ 7·5	10 6	− 5·8	27 2	−14·7	24 7	+ 5·4
17 1	−14·4	26 22	− 6·2	6 5	+ 5·4	29 4	− 8·3	10 14	+12·5	27 4	− 7·2	24 12	− 8·8
17 2	− 5·2	26 23	− 6·4	6 14	+ 5·5	29 5	−11·7	10 17	+ 7·5	27 11	+ 9·0	25 20	− 5·1
17 3	− 7·4	27 15	− 5·5	6 15	+16·7	29 6	−12·0	10 19	+ 9·8	28 20	− 6·3	26 13	+ 6·7
17 5	− 7·0	27 17	+11·8	6 16	+23·7	29 11	− 6·8	10 20	−13·0	29 8	+ 5·7	28 19	− 6·2
17 7	+ 5·9	27 20	− 5·6	6 17	−10·2	29 12	+10·0	12 5	− 5·7	30 21	− 8·1	29 9	− 6·3
17 8	+16·2	27 21	+ 5·4	6 19	−16·4	29 13	+11·0	13 5	− 5·3	31 3	+ 9·9	29 20	+ 5·1
17 9	+ 8·2	28 20	− 5·0	6 20	− 8·0	30 18	− 6·1	16 5	− 6·3	31 15	+13·1	30 1	+ 5·1
17 11	+ 6·0	29 23	− 5·9	6 21	+45·8	30 20	+ 6 0						

Horizontal Force.

*Bifilar Magnetometer.**—The adjustments described in the 1st volume of the Toronto observations, pp. xxxiv. and xxxv., remained undisturbed till February 10th, 1843, when the magnet (No. 2) was withdrawn to have its temperature correction examined; its place being temporarily supplied by another 12-inch magnet, of which the scale-coefficient was ascertained in the usual manner to be ·000149. On the 25th of February, 1843, the magnetometer was readjusted with the magnet No. 2, in the manner prescribed in the Instructions of the Royal Society; the angle v, viz., the angle through which the torsion circle required to be moved, in order to deflect the magnet into a position perpendicular to the magnetic meridian, was 49° 14′; the arc-value of a division of the scale being, in parts of radius, 0′·000114, the value of a single scale division in parts of the horizontal force was

$$k = 0'{\cdot}000114 \ . \ \cot 49° 14' = {\cdot}000099$$

The suspension wire was the same that had been in use since the commencement of the observations. For some months after the adjustment the scale readings were perceived to undergo a progressive change, indicative of some derangement the cause of which was not very obvious: the change was in the direction that might be produced by an elongation of the wire, being the opposite to that which would be occasioned by a loss of force in the magnet. It amounted on an average to about 2 scale divisions in a day; the mean monthly scale-readings for the months following the adjustment were as follows:—

1843.	March,	660·3	scale divisions.
,,	April,	726·4	,,
,,	May,	795·3	,,
,,	June,	841·2	,,
,,	July,	894·0	,,
,,	August,	936·8	,,
,,	September,	1069·8	,,

Between February 25th and October 11th of the same year the scale-readings had altered 470 divisions, equivalent (approximately) to ·044 parts of the whole horizontal force. On the 11th October, 1843, the magnet was brought back to a position nearly perpendicular to the magnetic meridian, by turning the torsion circle 3° 29′, making $v = 52° 43'$, and $k = {\cdot}000087$. This proceeding seems to have arrested the change in great measure, and the instrument remained under the same adjustment to the end

* The determinations of the absolute value of the horizontal force obtained with the unifilar magnetometer will be discussed in a subsequent section.

of 1848. The mean scale-reading, reduced to a temperature of 50°, in the last three months of 1843 was 496·9.

In 1844	540·4
1845	591·6
1846	605·2
1847	616·9
1848	630·0

showing a change of a similar character, but of much smaller amount, and the greater part taking place in the first few months after the re-adjustment.

That no increase took place in the magnetic moment of the magnet during this period,—but, on the contrary, a small decrease,—is shown by the following times of vibration of the magnet suspended as an unifilar magnet; the times of vibration are corrected for the arc and for the rate of the chronometer.

TABLE XXX.

DATES.			Corrected Time of Vibration.	Temperature.	Change in the Magnetic Moment for 1° of Fahr.
			s.	°	
1841	Feb.	11	14·668	—	·000224
	March	16	14·717	42·0	
	April	30	14·750	55·6	
	May	31	14·733	65·0	
	June	1	14·783	76·0	
	Aug.	1	14·752	69·2	
1843.	Feb.	22	14·840	60·5	
1849.	March	1	14·881	60·5	
	,,	2	14·902	60·5	

The absolute determinations show that during this period there was also a small secular decrease in the horizontal force of the earth. The increase of the scale readings appears therefore to be attributable to a decrease in the moment of torsion, such as would be produced by an elongation of the silver suspension wire.

In February 1849, the magnetometer was dismounted to make a new arrangement of the instruments in the Observatory, in consequence of the introduction of self-recording instruments. In dismounting the bifilar, the value of the scale-coefficient was re-examined by going through each part of the process of adjustment in the reverse order, and thus retracing the several steps. By this proceeding the angle v was found $= 53' 00''$; whence $k = \cdot 000088$, which is almost identical with the value obtained in October, 1843. The coefficient employed for the whole intervening time has been ·000087.

The experiments made in February 1843, and recorded in vol. I, pp. xxxii and xxxiii, for the purpose of ascertaining the temperature coefficient, not having been considered

as final on account of the small amount of the angles of deflection, a new series was made in April 1849, employing a portable unifilar magnetometer, and placing the suspending and deflecting magnets at the distance of 24 inches from centre to centre. The deflections thus obtained exceeded 33°. The magnet (No. 2) was submersed in water, the temperature of which was successively raised and lowered about 10° at a time between the temperatures of 40° and 90°. Five distinct determinations were thus obtained at as many points of the thermometric scale, each including from 30 to 40 partial results. Corresponding observations were made by auxiliary apparatus for the purpose of obtaining the changes of declination and horizontal force occurring during the course of the experiments, and corrections on account of these changes were applied. The following were the results :—

Mean Temperature. °	Value of q.
44·4	·0001990
56 0	·0002278
67·1	·0002257
77·5	·0002388
86·7	·0002326
65·2	·0002236

The value of the coefficient increasing but very slowly with the temperature, the mean of the five series has been taken as sufficiently exact for all temperatures; including the usual addition of ·00001 for the effect of variations of temperature upon the bifilar suspension apparatus, $q = ·000234$.

Diurnal Variation.—Tables XXXI., XXXII., and XXXIII., exhibit the diurnal variation of the horizontal force derived from the monthly means of the bifilar magnetometer from January 1843, to June 1848, inclusive, reduced to an uniform temperature of the magnet, and expressed in parts of the horizontal force; the lowest monthly mean occurring at any of the observation hours has been taken as the zero of the month, and corresponds to the weakest force.

TABLE XXXI.—*Diurnal Variation of the Horizontal Force in the several Months,*
The lowest Monthly Mean occurring at any of the observation hours has

Mean Toronto Time, Astron. Reckoning.		0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h
		·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
JANUARY.	1843	000	038	078	119	161	151	129	131	131	113	110
	1844	004	034	055	082	108	101	090	085	086	069	060
	1845	019	044	065	091	109	113	083	091	096	079	084
	1846	006	041	079	122	155	142	128	108	094	095	089
	1847	000	030	074	120	126	121	130	116	100	091	088
	1848	005	048	080	135	204	206	189	191	185	176	179
Reduced Means		003	036	069	108	141	136	122	117	112	101	099
FEBRUARY.	1843	—	—	—	—	—	—	—	—	—	—	—
	1844	006	034	068	088	075	089	071	070	057	054	029
	1845	010	031	071	103	112	121	111	098	082	082	085
	1846	029	053	079	116	108	101	087	097	085	077	078
	1847	035	071	090	124	145	135	139	121	119	099	110
	1848	011	057	087	151	242	252	182	200	218	175	175
Reduced Means		008	039	069	107	126	130	108	107	102	087	085
MARCH.	1843	182	178	151	129	128	128	134	141	157	132	112
	1844	000	028	083	143	146	137	125	116	106	089	084
	1845	019	067	112	159	181	178	158	145	146	140	120
	1846	000	030	079	135	163	173	180	156	148	141	133
	1847	020	053	104	173	200	203	161	158	141	125	094
	1848	016	093	169	227	258	266	241	220	203	185	177
Reduced Means		008	043	084	129	147	149	135	124	118	103	088
APRIL.	1843	186	150	099	086	093	106	131	143	165	136	107
	1844	026	077	126	167	166	196	159	135	101	087	093
	1845	016	042	091	159	182	224	216	203	175	158	152
	1846	024	062	120	174	198	185	169	137	126	106	110
	1847	109	191	261	304	339	315	282	229	195	180	171
	1848	104	147	210	281	319	326	305	238	198	222	218
Reduced Means		026	060	099	143	164	173	158	129	108	096	090
MAY.	1843	135	098	076	080	065	038	056	127	147	128	116
	1844	064	111	150	176	187	189	152	116	106	093	098
	1845	060	116	166	191	213	207	178	166	137	107	110
	1846	104	168	242	260	287	281	230	200	169	145	128
	1847	110	182	232	261	269	262	241	199	161	165	143
	1848	066	122	194	243	264	263	254	254	200	158	138
Reduced Means		057	100	144	169	181	174	152	144	120	116	089
JUNE.	1843	139	106	074	089	086	106	131	147	139	143	137
	1844	056	092	139	156	169	169	142	128	109	088	077
	1845	054	101	166	196	211	210	188	159	142	122	113
	1846	072	103	170	205	212	234	223	191	129	072	073
	1847	071	128	203	240	253	236	210	168	136	119	107
	1848	090	173	231	279	294	278	230	197	170	165	138
Reduced Means		054	091	138	168	178	180	161	139	112	092	082

from January 1843 *to June* 1848, *inclusive, in parts of the Horizontal Force.*

been taken as the Zero for the Month, and represents the weakest force.

11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	Monthly Means.
·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	
103	092	098	105	107	123	142	130	140	133	095	056	014	104
056	045	030	038	044	058	062	070	072	050	037	015	000	056
077	048	051	043	049	058	065	091	090	064	028	008	000	064
099	071	060	055	063	081	085	094	095	081	064	017	000	080
083	074	072	074	082	091	086	098	099	093	059	015	002	080
139	103	104	046	098	115	126	142	140	126	093	049	000	120
090	069	066	057	071	085	091	101	103	088	060	024	000	081
—	—	—	—	—	—	—	—	—	—	—	—	—	—
031	027	024	020	022	031	036	029	026	012	006	003	000	038
068	072	052	065	064	067	081	087	061	044	026	009	000	067
087	061	059	062	063	061	060	078	066	040	000	018	020	066
091	078	083	078	074	083	088	077	076	030	025	000	019	083
175	132	061	037	073	066	110	138	000	056	106	062	011	116
080	064	046	042	049	052	065	072	036	026	023	008	000	064
087	065	050	042	017	009	000	026	036	057	087	133	178	098
073	075	058	066	080	091	084	089	089	056	025	020	012	078
123	122	120	114	112	114	123	134	106	078	054	029	000	111
144	120	118	118	110	126	134	120	098	078	043	019	000	107
057	104	102	109	104	105	118	127	090	063	025	000	001	102
153	129	103	129	147	164	147	151	130	087	048	020	000	144
074	071	060	064	063	070	069	076	060	038	015	005	000	075
102	084	078	076	064	026	000	012	017	070	126	174	198	101
070	060	061	048	034	068	075	015	030	036	008	000	009	077
150	149	131	129	127	143	146	141	136	122	097	047	000	131
090	079	090	088	086	103	099	100	081	045	019	002	000	096
142	169	129	000	080	124	166	172	106	078	068	038	056	163
075	133	103	000	040	153	181	180	170	133	082	051	057	164
053	060	047	005	020	051	059	051	038	029	015	000	001	070
099	086	064	043	027	016	000	014	026	073	136	166	151	082
084	066	055	063	065	071	065	066	063	045	017	000	022	089
116	095	084	085	075	087	073	087	081	057	015	000	023	105
116	091	105	121	108	105	081	107	095	057	000	011	059	136
143	121	134	059	000	086	063	058	089	073	030	019	045	131
126	121	067	070	104	106	106	104	094	058	012	000	019	131
081	064	052	041	029	045	031	040	042	028	002	000	020	079
123	108	089	074	066	052	037	000	027	063	113	153	160	098
065	062	060	048	035	029	032	033	031	016	000	001	025	073
108	094	086	084	079	083	088	102	096	073	024	000	018	108
055	055	053	065	047	048	074	068	050	033	017	000	020	095
098	087	083	090	079	090	092	099	081	068	041	000	012	116
114	120	096	100	096	098	094	116	103	082	045	000	022	139
068	062	052	051	041	041	044	044	039	030	014	000	017	079

TABLE XXXI.—*Diurnal Variation of the Horizontal Force in the several*

Mean Toronto Time, Astron. Reckoning.		0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h
		00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
JULY.	1843	143	111	078	050	063	076	103	126	143	132	116
	1844	094	144	187	221	234	219	196	175	154	146	133
	1845	058	090	150	185	195	189	173	157	133	126	096
	1846	062	014	171	200	222	240	186	163	093	103	092
	1847	085	144	211	251	254	231	211	194	173	132	120
Reduced Means		055	074	126	148	161	158	141	130	106	095	078
AUGUST.	1843	158	108	068	077	064	096	129	143	146	141	119
	1844	094	157	217	250	249	235	190	168	155	161	156
	1845	070	115	175	210	226	191	175	148	134	123	117
	1846	090	177	230	263	265	282	191	144	132	107	104
	1847	041	125	203	245	260	252	226	199	198	175	149
Reduced Means		053	098	14'	171	175	173	144	122	115	103	091
SEPTEMBER.	1843	061	125	171	204	201	186	67	147	133	132	126
	1844	088	159	199	224	237	232	210	186	168	129	126
	1845	078	137	188	186	213	190	174	153	143	141	134
	1846	075	165	247	308	280	257	216	198	203	211	184
	1847	044	165	227	310	341	330	315	270	250	247	234
Reduced Means		068	149	205	245	253	238	215	190	178	171	161
OCTOBER.	1843	020	030	071	094	111	107	091	076	079	065	066
	1844	043	094	136	153	177	166	155	149	135	136	125
	1845	027	052	076	107	098	091	067	060	043	035	032
	1846	029	068	110	160	180	173	132	127	111	098	095
	1847	134	158	218	218	267	278	283	256	246	235	226
Reduced Means		039	068	110	134	155	151	134	122	111	102	097
NOVEMBER.	1843	019	037	066	084	103	095	093	082	074	'69	057
	1844	010	032	074	110	112	101	104	078	075	077	083
	1845	029	054	087	104	120	116	118	130	126	107	110
	1846	008	031	072	104	114	100	101	162	098	105	099
	1847	008	051	125	165	196	191	192	214	197	169	084
Reduced Means		014	040	084	112	128	120	121	120	113	104	086
DECEMBER.	1843	000	011	037	060	088	091	093	076	073	069	059
	1844	000	035	066	087	119	107	102	095	083	056	043
	1845	000	013	056	093	114	116	107	099	096	079	080
	1846	002	031	076	115	131	133	124	101	092	099	105
	1847	056	079	159	184	243	244	260	311	255	242	204
Reduced Means		000	022	067	096	127	126	125	124	108	097	086

Months, from January 1843 *to June* 1848, *inclusive*—continued.

11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	Monthly Means.
·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
093	060	057	032	014	012	000	014	039	083	125	166	170	084
135	124	113	097	097	095	095	109	113	080	033	000	031	126
089	084	091	080	079	080	090	086	087	071	035	000	014	102
064	046	080	058	028	034	037	057	061	053	035	000	036	090
116	108	064	103	098	077	092	104	084	045	015	000	035	123
066	051	048	041	030	027	030	041	044	033	016	000	024	072
104	078	065	040	031	032	013	000	018	081	148	180	182	093
146	143	123	122	119	122	123	136	103	074	006	000	028	137
110	096	095	084	061	077	096	093	063	032	016	000	020	105
087	100	060	097	086	078	061	076	074	055	000	000	039	117
090	114	103	105	087	107	122	127	112	065	027	008	000	131
069	068	051	052	039	045	045	048	036	023	001	000	016	078
108	111	103	102	103	113	113	113	101	052	006	000	020	112
129	107	072	071	085	124	100	137	114	064	020	000	024	125
124	098	091	108	095	125	128	129	096	056	017	000	026	118
176	185	158	107	091	114	160	108	083	048	021	000	019	151
225	198	196	191	186	199	161	112	064	106	042	005	000	185
151	139	123	115	111	134	131	119	091	064	020	000	017	137
044	036	037	039	046	056	062	063	053	035	024	008	000	035
131	039	092	106	102	103	098	101	094	063	020	000	014	101
025	018	022	037	044	059	062	061	039	023	006	004	000	045
054	039	068	068	091	116	130	128	086	049	012	000	000	089
231	095	146	045	144	029	164	142	076	011	000	063	064	155
085	033	061	047	073	061	091	088	058	024	000	003	004	077
046	045	045	047	049	057	069	078	067	042	015	000	007	056
068	061	061	056	050	060	074	076	085	067	034	001	000	065
095	083	080	084	098	102	107	117	123	074	026	013	000	088
083	085	082	097	101	104	111	136	123	081	032	017	000	083
137	104	095	116	127	135	152	175	121	092	050	027	000	122
085	075	072	079	084	091	102	115	103	070	030	011	000	082
057	043	043	058	060	064	076	090	089	065	061	043	010	059
050	035	036	038	047	055	068	088	084	069	058	016	000	060
073	065	066	065	068	078	076	038	094	085	061	023	009	069
109	086	088	097	099	105	109	118	112	082	060	022	000	087
192	130	110	145	147	096	000	060	069	095	046	066	072	141
084	060	057	069	072	068	054	067	078	067	045	022	006	072

TABLE XXXII.

Table showing the Mean Diurnal Variation of the Horizontal Force in each Month of the Year, derived from the preceding Table.

Astron. Time at Toronto.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
January . .	003	036	069	108	141	136	122	117	112	101	099	090
February . .	008	039	069	107	126	130	108	107	102	087	085	080
March . .	008	043	084	129	147	149	135	124	118	103	088	074
April . . .	026	060	099	143	164	173	158	129	108	096	090	053
May . . .	057	100	144	169	181	174	152	144	120	116	089	081
June . . .	054	091	138	168	178	180	161	159	112	092	082	068
July . . .	055	074	126	148	161	158	141	130	106	095	078	066
August . .	053	098	141	171	175	173	144	122	1 5	103	091	069
September .	068	149	205	245	253	238	215	190	178	171	164	151
October . .	039	068	110	134	155	151	134	122	111	102	097	085
November .	014	040	084	112	128	120	121	120	114	104	086	085
December .	000	022	067	096	127	126	125	124	108	097	086	084
April to September inclusive	052	095	142	174	185	183	162	142	123	112	099	081
October to March inclusive . . .	010	039	079	113	135	133	122	117	109	097	088	081
Mean of the whole Year.	026	062	105	138	155	153	137	125	111	100	089	076

Astron. Time at Toronto.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
January . .	069	066	057	071	085	091	101	103	088	060	024	000
February . .	064	046	042	049	052	065	072	035	026	023	008	000
March . .	071	060	064	063	070	069	076	060	038	015	005	000
April . . .	060	047	005	020	51	059	051	038	029	015	000	001
May . . .	064	052	041	029	45	031	040	042	028	002	000	020
June . . .	062	052	051	041	041	044	044	039	030	014	000	017
July . . .	051	048	041	030	027	030	041	044	033	016	060	024
August . .	068	051	032	039	045	045	048	036	023	001	000	016
September .	139	123	115	111	134	131	119	091	064	020	000	017
October . .	083	061	047	073	061	091	088	058	024	000	003	004
November .	075	072	079	084	091	102	115	103	070	030	011	000
December. .	060	057	069	072	068	054	067	078	067	045	022	006
April to September inclusive	074	062	051	045	057	057	057	048	035	011	000	016
October to March inclusive . . .	068	058	058	067	069	077	085	071	050	027	010	000
Mean of the whole Year.	066	055	049	051	058	062	066	055	037	014	000	003

Table XXXIII.

Exhibits the Differences of the Horizontal Force at each observation hour from the Mean Force in the Month; the sign + implies that the force is greater than the Mean Force, and − that it is less.

Astron. Time at Toronto.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
January . .	−078	−045	−012	+027	+060	+055	+041	+036	+031	+020	+018	+009
February . .	−056	−025	+005	+043	+062	+066	+044	+043	+038	+023	+021	+016
March . .	−067	−032	+009	+054	+072	+074	+060	+049	+043	+028	+013	−001
April . . .	−044	−010	+029	+073	+094	+103	+088	+059	+038	+026	+020	−017
May . . .	−022	+021	+065	+090	+102	+095	+073	+065	+041	+037	+010	+002
June . . .	−025	+012	+059	+089	+099	+101	+082	+060	+033	+013	+003	−011
July . . .	−017	+002	+054	+076	+089	+086	+069	+058	+034	+023	+006	−006
August . .	−025	+020	+063	+093	+097	+095	+066	+044	+037	+025	+013	−009
September .	−069	−012	+068	+108	+116	+101	+078	+053	+041	+034	+027	+014
October . .	−038	−009	+033	+057	+078	+074	+057	+045	+034	+025	+020	+008
November .	−068	−042	+002	+030	+046	+038	+039	+038	+031	+022	+004	+003
December. .	−072	−050	−005	+024	+055	+054	+053	+052	+036	+025	+014	+012
Mean of the whole Year.	−048	−014	+031	+064	+081	+078	+063	+050	+036	+025	+014	+002

Astron. Time at Toronto.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
January . .	−012	−015	−024	−010	+004	+010	+020	+022	+007	−021	−057	−081
February . .	−000	−018	−022	−015	−012	+001	+008	−028	−038	−041	−056	−064
March . .	−004	−015	−011	−012	−005	−006	+001	−015	−037	−060	−070	−075
April . . .	−010	−023	−065	−050	−019	−011	−019	−032	−041	−055	−070	−069
May . . .	−015	−027	−038	−050	−034	−048	−039	−037	−051	−077	−079	−059
June . . .	−017	−027	−028	−038	−038	−035	−035	−040	−049	−065	−079	−062
July . . .	−021	−024	−031	−042	−045	−042	−031	−028	−039	−056	−072	−048
August . .	−010	−027	−026	−039	−033	−033	−030	−042	−055	−077	−078	−062
September .	+002	−014	−022	−026	−003	−006	−018	−046	−073	−117	−137	−120
October . .	−044	−016	−030	−004	−016	+014	+011	−019	−053	−077	−074	−073
November .	−007	−010	−003	+002	+009	+020	+033	+021	−012	−052	−071	−082
December .	−012	−015	−003	−000	−004	−018	−005	+006	−005	−027	−050	−066
Mean of the whole Year.	−013	−019	−025	−024	−018	−013	−009	−020	−037	−052	−074	−072

The diurnal variation of the Horizontal Force at Toronto has a principal maximum at alittle after 4^h at all seasons; and a principal minimum at 22^h or 23^h, occurring earlier from April to September than from October to March. From the minimum at 22^h or 23^h the force increases continuously to the maximum at or shortly after 4^h. From the maximum at 4^h the force diminishes to a secondary minimum about 14^h or 15^h, occurring earlier than 14^h from October to March, and about 15^h from April to September; and again increases to a secondary maximum about 18^h, occurring somewhat earlier from April to September than from October to March. From 18^h the force progressively decreases to the minimum at 22^h or 23^h.

The diurnal variation of the horizontal force is thus a double progression at all seasons of the year, and its range or whole amount is considerably greater from April to September than from October to March.

The mean diurnal variation of the horizontal force at Toronto and Hobarton, exhibited in comparison and expressed in absolute value, is as follows:—

TABLE XXXIV.

Astron. Time at the Station.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
Toronto . .	092	220	372	490	549	542	486	443	393	354	315	270
Hobarton .	027	166	337	476	594	579	539	530	525	494	494	476

Astron. Time at the Station.	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
Toronto . .	234	195	174	180	205	220	233	195	131	050	000	013
Hobarton. .	471	467	467	459	455	467	467	417	337	193	059	000

Corrections on account of the Diurnal Variation for the different months of the year.—Table XXXIII, page lix, supplies for every month of the year corrections to the mean horizontal force in the month to be applied to observations made at any one of the observation hours. In applying the values in this table as corrections, it will be remembered that the opposite sign to that in the table must always be employed.

VERTICAL FORCE.

Vertical Force Magnetometer.—The variations of the Vertical Force at Toronto have continued to be observed by the instrument described in Vol. I., p. liii.

The times of vibration in the horizontal plane observed in 1840 and 1841 are stated in Vol. I, *l. c*, terminating with 11ˢ·496, on the 30th of September, 1841. The next observation appears to have been made on March the 26th, 1846, when the magnet was dismounted for temperature experiments, and the time of vibration was found to be 11ˢ·50, or nearly identical with the last observation in 1841. The magnet was magnetized afresh on the 1st of April, 1846, and its time of horizontal vibration was then found to be 10ˢ·29; it was again observed on February the 28th, 1849, and found 10ˢ·36; and on June the 2nd, 1850, also 10ˢ·36. The times of vibration in the vertical plane in 1841 and 1842, are stated in Vol. I., pp. liv and lv. The observations were made usually at weekly intervals until February, 1849, after which date they were made only on the monthly term days. The mean times of vertical vibration in the several months from 1843 to 1851, inclusive, are shown in the following Table.

TABLE XXXV.

Vertical Vibrations.

MONTHS.	Time of one Vibration in the Vertical Plane.								
	1843	1844	1845	1846	1847	1848	1849	1850	1851
January . . .	10·42[a]	—[a]	12·66[a]	12·41[a]	11·12[a]	11·11[a]	11·11[a]	10·74[a]	10·70[a]
February . .	10·45	12·79	12·64	12·48	11·14	11·17	11·14	10·92	10·57
March . . .	10·45	13·01	12 61	12·48	11·15	11·10	11·09	10·88	10·60
April . . .	10·35	12·96	12·62	11·10[b]	11·15	11·13	11·08	10·86	10·40
May	10·38	12·95	12·60	11·07	11·11	11·11	11·12	—[c]	10·51
June. . . .	10·37	12·48	12·68	11·04	11·05	11 12	11·08	10·35	10·51
July	10·25	12·57	12·68	11·03	11·06	11·11	11·07	10·28	10·48
August . . .	10·30	12·57	12·64	11·03	11·08	11·12	11·06	10·45	10·51
September . .	10·31	12·54	12·66	11·04	11·07	11·14	11·11	10·55	10·55
October . . .	10·31	12·58	12·61	11·11	11·09	11·14	10·81	10·60	10·57
November . .	—[a]	12·63	12·61	11·14	11·08	11·19	10·88	10·63	11·00
December . .	—	12·61	12 48	11·12	11·12	11·18	10·86	10·79	10·78

[a] Magnet employed in Temperature experiments. [b] Needle remagnetized.
[c] Vertical Force Magnetometer dismounted whilst preparations were making for photographic instruments.

The values of the scale coefficient, computed for each month from the times of vibration in the horizontal and vertical planes and the magnetic inclination, are given at the head of the pages in which the observations of the vertical force in the same months are recorded.

Temperature Coefficient.—The experiments to determine the value of the temperature coefficient were made in the detached building. The suspended magnet was 3·0 inches in length, and the Vertical Force Magnet was so placed that its axis should be in a line perpendicular to the suspended magnet when deflected. In the first experiment the V. F. magnet and a thermometer were enclosed in a copper water-tight case, which was fixed firmly in a trough, capable of containing a quantity of water sufficient to surround the case and impart the required temperature to the magnet within; it was found, however, that the condensation of the moist air inside the case exposed the axles to as much risk of injury as if they were entirely wetted: in subsequent experiments, therefore, the water-tight copper case was dispensed with, and the magnet itself was immersed in the water.

During the first experiment, the distance between the centres of the suspended and deflecting magnets was 20 inches; in the subsequent experiments the distance was about 17 inches.

Previous to the second experiment the needle was remagnetized; after which it was found that the magnetic moment had been increased by the process, and consequently the angle of deflection was considerably greater in the later experiments than in the first.

Table XXXVI. contains an abstract of the experiments; the means only are stated, each mean being the result of three distinct observations, made at intervals of about two minutes. The numbers in the 3rd and 5th columns are the differences respectively of the observed temperatures and declinometer-readings on the same horizontal line, from the mean of the temperatures and declinometer-readings in the line above and in the line below.

The values of the temperature coefficient derived from the experiments recorded in Table XXXVI., are as follows:—

Exp.	I.	·000061	Exp.	IV.	·000074	Exp.	VII. ·000073
„	II.	·000063	„	V.	·000078	„	VIII. ·000075
„	III.	·000070	„	VI.	·000067	„	IX. ·000074

The mean value is ·00007, which has accordingly been employed in reducing the observations of the vertical force recorded in this volume to a uniform temperature.

TABLE XXXVI.

1846	Temperatures. Obs.	Temperatures. Diff.	Declinometer Readings $a = 1'{\cdot}0$ Obs.	Declinometer Readings $a = 1'{\cdot}0$ Diff.
I.—March 26th, ∠ of Deflec. 21° 25′				
11 22	86·5		48·23	
52	53·7	38·4	50·90	3·22
0 15	97·8	45·5	47·13	3·37
55	51·0	37·2	50·10	3·35
1 13	78·7		46·37	
		40·37		3·31
II.—March 30th, ∠ of Deflec. 43° 19′				
0 48	36·9		50·73	
1 07	96·9	58·5	31·23	15·33
31	39·9	51·9	42·40	9·62
51	86·6	47·6	34·33	8·13
2 14	38·2	51·3	42·53	9·62
		52·32		10·67
III.—March 30th—*continued.*				
2 32	92·4	52·6	31·50	10·93
50	41·5	54·7	42 33	13·48
3 08	100·1	58·2	26·20	13·51
27	42·4	55·2	37·10	11·74
42	95·1		24·53	
		55·17		12·42

1846	Temperatures. Obs.	Temperatures. Diff.	Declinometer Readings $a = 1'{\cdot}0$ Obs.	Declinometer Readings $a = 1'{\cdot}0$ Diff.
IV.—March 31st, ∠ of Deflec. 36° 41′				
11 48	39·5		56·74	
10 05	94·8	54·0	50·17	9·03
19	42·1	51·3	61·67	10·09
35	92·0	49·5	53·00	9·57
53	42·9	50·9	63·47	10·35
		51·42		9·76
V.—March 31st—*continued.*				
0 13	95·7	49·1	53·24	9 33
28	50·3	44 4	61·67	8·13
44	93·8	45·2	53·84	9·36
1 00	47·0	44·4	64 74	9·82
16	89·0	44·3	56·00	8·98
		45·48		9·12
VI.—March 31st—*continued.*				
51	91·3		41·63	
2 08	42·8	49·3	50·50	8·57
21	93·0	44·8	42·23	7·42
51	53·7	40·7	48·80	6·69
3 07	95·9		42·00	
		44·93		7·56

1846	Temperatures. Obs.	Temperatures. Diff.	Declinometer Readings $a = 1'{\cdot}0$ Obs.	Declinometer Readings $a = 1'{\cdot}0$ Diff.
VII.—April 1st, ∠ of Deflec. 36° 38′				
10 00	35·8		35·17	
20	97·3	58·0	22·07	11·69
39	42·9	52·3	32·36	9 33
11 00	93·2	50·7	24·00	9·01
14	42·1	51·6	33·67	9·67
		53·15		9·92
VIII.—April 1st—*continued.*				
11 34	91·3	52·2	24·00	9·90
54	42 2	53·1	34 14	10·61
0 11	96·3	53·5	23·07	9·85
27	43·5	53·7	31·70	10·07
		53·12		10·11
IX.—April 1st—*continued.*				
0 45	98·1	54·0	20·20	10·78
59	44·7	52·3	30·26	9·84
1 20	96 0	51·2	20·64	9·34
35	45·0	53·2	29·70	10·05
51	100·4		18·66	
		52·67		10·00

Diurnal Variation.—Tables XXXVII., XXXVIII., and XXXIX. show the diurnal variation of the vertical force, expressed in parts of the force, in each month from January 1843, to June 1848, inclusive, with the exception of November and December 1843, and January 1844, when the magnet was removed for temperature experiments. The observations during the whole of the period comprised by these Tables were made hourly: the corresponding abstract of the two-hourly observations in 1841 and 1842 is given in Tables XLI. and XLII. of Vol. I., pp. lviii and lix.

TABLE XXXVII.—*Diurnal Variation of the Vertical Force in the several Months*

The lowest Monthly Mean corresponding to any of the observation hours has

Astronomical Time at Toronto,		0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h
		·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
JANUARY.	1843	011	016	019	024	023	024	024	025	024	023	024
	1844 *	—	—	—	—	—	—	—	—	—	—	—
	1845	009	014	020	022	022	038	026	028	027	024	021
	1846	003	009	015	013	011	009	008	007	009	015	009
	1847	007	008	010	018	008	012	013	011	011	008	009
	1848	022	024	027	031	030	028	034	037	038	032	032
Reduced Means		007	011	015	019	016	019	018	019	019	017	016
FEBRUARY.	1843	014	022	030	031	037	038	042	041	039	041	037
	1844	005	006	011	013	012	015	016	014	014	014	014
	1845	009	014	024	026	026	026	026	025	024	022	019
	1846	003	002	005	007	007	007	013	014	013	012	012
	1847	005	007	008	010	011	013	014	018	021	013	006
	1848	046	053	057	057	073	073	057	059	064	044	052
Reduced Means		008	011	017	019	022	023	022	023	023	018	017
MARCH.	1843	004	007	011	013	015	015	018	023	026	025	019
	1844	028	036	040	047	054	058	058	062	051	044	041
	1845	004	009	014	018	020	026	023	026	023	023	020
	1846	002	006	013	019	021	022	021	016	013	012	011
	1847	027	026	031	044	041	042	047	048	046	041	027
	1848	032	042	053	051	049	049	049	052	050	047	035
Reduced Means		006	011	017	022	023	025	026	028	025	023	015
APRIL.	1843	011	021	030	036	042	042	041	040	034	028	021
	1844	031	039	046	048	048	054	054	049	045	039	031
	1845	002	007	015	020	021	023	024	022	023	014	011
	1846	015	020	032	040	043	042	038	036	031	031	013
	1847	010	054	038	040	046	047	048	042	031	044	045
	1848	053	061	070	076	081	078	080	075	075	072	063
Reduced Means		015	024	028	033	037	038	037	034	030	028	021
MAY.	1843	000	006	016	021	031	044	045	034	027	021	017
	1844	007	008	014	021	026	032	034	036	031	022	013
	1845	005	010	019	026	030	032	029	026	023	022	022
	1846	019	025	039	044	053	058	044	038	032	032	012
	1847	042	047	051	057	060	065	064	063	062	060	050
	1848	024	035	046	052	053	053	051	060	053	047	043
Reduced Means		011	017	026	032	037	042	039	038	033	029	021
JUNE.	1843	005	011	015	019	026	028	029	026	023	019	013
	1844	003	005	008	012	016	017	015	015	014	014	011
	1845	002	000	009	016	021	023	023	020	018	014	009
	1846	013	013	024	031	033	033	035	037	029	025	019
	1847	009	012	016	023	029	027	030	026	025	018	019
	1848	000	002	014	018	019	029	024	025	018	016	014
Reduced Means		002	004	011	017	021	023	023	022	018	015	011

* Magnet removed for temperature experiments.

from January 1843 *to June* 1848, *inclusive, in parts of the Vertical Force.*

been taken as the Zero for the Month, and represents the weakest force.

11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
019	008	009	007	007	005	007	006	008	011	005	000	003
—	—	—	—	—	—	—	—	—	—	—	—	—
017	010	007	004	002	004	000	007	007	006	002	004	006
009	011	006	003	003	000	007	008	008	010	004	003	003
009	007	005	008	007	007	006	007	008	005	000	001	003
019	020	021	004	000	003	002	007	010	016	011	008	012
012	008	007	002	001	001	001	004	005	007	001	000	003
030	016	012	016	017	015	019	018	016	031	002	000	005
012	013	009	009	008	010	010	009	010	014	004	000	001
018	003	003	003	005	010	008	007	007	012	010	007	004
009	005	001	002	006	006	005	009	013	017	004	001	000
006	001	006	002	000	001	000	000	009	011	003	001	000
042	040	011	000	006	003	009	016	007	040	041	036	037
014	007	001	000	001	000	002	004	004	015	005	002	002
016	008	003	001	007	009	010	012	015	013	010	001	000
028	009	013	006	010	016	016	023	031	031	030	025	024
020	006	009	008	009	008	012	013	015	014	005	003	000
011	009	005	001	007	005	009	018	014	014	010	005	000
000	024	021	024	026	017	019	026	028	031	024	022	024
029	024	010	009	002	008	000	008	019	025	020	021	023
007	002	000	000	000	000	001	007	010	011	006	003	002
012	007	010	008	000	006	010	021	016	015	009	005	004
028	024	025	014	000	018	005	004	004	023	026	026	027
011	001	007	002	005	009	012	010	010	005	002	000	001
014	007	005	009	000	005	017	021	020	016	013	010	008
030	033	029	000	003	014	018	033	023	021	034	034	038
021	007	000	026	061	029	033	053	054	052	050	049	049
008	001	003	000	001	003	006	014	011	012	012	011	011
016	002	003	004	011	016	016	021	019	016	010	003	002
007	004	000	002	005	010	015	017	017	014	010	005	003
014	011	014	009	007	011	015	017	014	007	004	000	000
007	000	009	013	012	008	006	022	020	019	018	016	018
052	037	052	000	007	029	036	049	038	049	044	037	040
030	020	000	005	006	022	026	023	023	026	019	024	021
016	007	008	000	003	011	014	020	017	017	013	009	009
012	006	008	009	007	013	015	020	018	017	013	008	003
009	007	004	004	004	001	007	004	004	001	000	002	002
012	010	006	005	003	006	008	009	010	007	004	001	003
012	009	000	001	000	005	016	021	021	022	021	017	012
010	001	000	003	005	014	021	022	018	016	013	008	006
014	009	003	002	000	014	018	027	028	019	008	005	003
008	004	000	001	000	006	011	014	013	011	007	004	001

TABLE XXXVII.—*Diurnal Variation of the Vertical Force in the several*

Astronomical Time at Toronto.		0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h
		·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
JULY.	1843	017	021	032	041	044	050	043	040	037	020	014
	1844	007	010	014	024	030	032	030	026	023	021	018
	1845	010	013	020	027	034	033	032	027	022	020	018
	1846	039	042	053	058	064	073	069	068	058	046	042
	1847	014	015	024	032	037	042	040	038	031	016	021
Reduced Means		015	018	027	034	040	044	041	038	032	023	021
AUGUST.	1843	021	026	032	036	041	038	034	034	028	022	016
	1844	019	027	038	042	045	049	048	045	037	029	020
	1845	032	037	045	049	059	054	053	047	046	038	031
	1846	073	078	084	098	105	112	099	094	087	068	052
	1847	024	027	031	035	039	038	034	030	026	022	021
Reduced Means		028	033	040	046	052	052	048	044	039	030	022
SEPTEMBER.	1843	018	023	030	035	042	041	038	036	033	024	017
	1844	050	058	063	066	064	060	061	059	055	046	045
	1845	034	043	051	051	053	052	050	048	045	042	034
	1846	065	085	090	095	089	080	078	073	069	063	055
	1847	044	053	056	064	062	055	054	056	046	043	036
Reduced Means		036	046	052	056	056	051	050	048	044	038	031
OCTOBER.	1843	021	026	034	037	039	039	041	043	041	036	038
	1844	025	033	036	041	042	041	036	037	039	034	028
	1845	010	014	018	021	020	026	024	024	027	027	020
	1846	030	033	036	040	038	042	046	052	039	023	021
	1847	051	057	062	055	050	055	053	056	055	051	047
Reduced Means		025	031	035	037	036	039	038	040	038	032	029
NOVEMBER.	1843*	—	—	—	—	—	—	—	—	—	—	—
	1844	016	023	032	036	034	034	032	034	035	028	025
	1845	022	027	032	031	031	026	025	024	022	022	018
	1846	012	018	025	027	024	026	028	029	024	021	018
	1847	014	017	026	026	048	044	035	048	042	025	015
Reduced Means		013	018	026	027	031	029	027	031	028	021	016
DECEMBER.	1843*	—	—	—	—	—	—	—	—	—	—	—
	1844	006	012	015	018	018	017	017	017	016	016	014
	1845	011	017	025	032	030	027	027	027	018	019	023
	1846	005	009	011	009	011	012	013	014	015	013	009
	1847	052	058	075	068	069	063	068	071	071	073	061
Reduced Means		016	022	030	030	030	028	029	030	028	028	025

* Magnet removed for temperature experiments.

Months, from January 1843 *to June* 1848, *inclusive*—continued.

11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
014	008	004	001	000	003	005	005	005	008	009	008	011
014	006	003	000	003	004	010	013	014	014	013	008	007
009	002	001	000	003	008	012	015	016	015	015	011	008
035	016	007	000	004	008	025	033	040	036	037	035	037
010	015	000	011	017	023	027	029	027	026	024	017	015
014	007	001	000	003	007	014	017	018	018	017	014	014
007	008	005	000	005	004	015	022	018	019	017	015	016
015	007	005	004	000	011	012	016	016	016	015	015	014
020	015	017	007	000	014	024	036	035	032	029	029	030
035	022	000	027	021	029	056	069	073	072	069	069	070
000	004	009	006	004	006	016	029	032	024	022	022	021
009	005	001	003	000	007	019	028	029	027	024	024	024
013	014	004	006	002	000	006	013	016	018	014	012	014
042	029	014	000	012	023	018	033	043	041	040	041	045
027	027	008	000	002	018	027	029	026	024	023	026	029
058	032	029	020	000	001	023	011	024	030	038	049	055
034	021	010	005	020	007	000	029	032	016	019	023	029
029	019	007	000	001	004	009	017	022	020	021	021	028
030	021	014	010	000	007	013	023	036	036	026	024	019
024	023	003	010	005	000	004	002	011	018	021	019	021
018	010	003	006	007	000	005	011	013	022	009	006	004
014	000	005	004	007	004	012	014	009	022	022	023	023
044	028	032	026	014	000	002	001	043	044	025	040	037
024	014	009	009	005	000	005	008	020	026	019	020	019
—	—	—	—	—	—	—	—	—	—	—	—	—
014	008	011	007	000	002	001	000	005	013	008	011	015
016	016	011	012	008	000	008	014	017	014	015	013	017
016	011	006	000	010	011	009	014	016	015	013	012	008
004	010	008	002	006	000	003	006	003	005	002	003	008
009	008	006	002	003	000	002	005	007	009	006	007	009
—	—	—	—	—	—	—	—	—	—	—	—	—
011	010	007	007	008	005	004	004	002	002	000	002	002
020	015	013	013	008	005	003	004	002	000	007	007	007
000	004	002	004	003	000	001	008	009	008	007	003	004
058	018	027	026	043	000	000	011	008	034	032	042	049
020	010	010	011	013	001	000	005	003	009	009	012	013

Table XXXVIII.

Table showing the Mean Diurnal Variation of the Vertical Force in each Month of the Year, derived from the preceding Table.

Astron. Time at Toronto.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
January . .	007	011	515	019	016	019	018	019	019	017	016	012
February . .	008	011	017	019	022	023	022	023	023	018	017	014
March . . .	006	011	017	022	023	025	026	028	025	023	015	007
April . . .	015	024	028	033	037	038	037	034	030	028	021	008
May . . .	011	017	026	032	037	042	039	038	033	029	021	016
June . . .	002	004	011	017	021	023	023	022	018	015	011	008
July . . .	015	018	027	034	040	044	041	038	032	523	021	014
August. . .	028	033	040	046	052	052	048	044	039	030	022	009
September . .	036	046	052	056	056	051	050	048	044	038	031	029
October . .	025	031	035	037	036	039	038	040	038	032	029	024
November . .	013	018	026	027	031	029	027	031	028	021	016	009
December . .	016	022	030	030	030	028	029	030	028	028	025	020
April to September inclusive	017	023	030	035	040	041	039	036	032	031	020	013
October to March inclusive .	013	017	023	026	026	027	027	028	027	023	021	014
Mean of the whole Year.	015	019	025	029	031	032	031	031	028	023	018	012

Astron. Time at Toronto.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
January . .	008	007	002	001	001	001	004	005	007	001	000	003
February . .	007	001	000	001	000	002	004	004	015	005	002	002
March . . .	002	000	000	000	000	001	007	010	011	006	003	002
April . . .	004	003	000	001	003	006	014	011	012	012	011	011
May . . .	007	008	000	003	011	014	020	017	017	013	009	009
June . . .	004	000	001	000	006	011	014	013	011	007	004	001
July . . .	007	001	000	003	007	014	017	018	018	017	014	014
August. . .	005	001	003	000	007	019	028	029	027	024	024	024
September . .	019	007	000	001	004	009	017	022	020	021	024	028
October . .	014	009	009	005	000	005	008	020	026	019	020	019
November . .	008	006	002	003	000	002	005	007	009	006	007	009
December . .	010	010	011	013	001	000	005	003	009	009	012	013
April to September inclusive	007	002	000	001	005	011	017	017	016	015	013	014
October to March inclusive. .	008	006	001	001	000	002	005	008	013	008	007	008
Mean of the whole Year.	006	002	000	001	001	005	010	011	013	010	009	009

Table XXXIX.

Exhibits the Differences of the Vertical Force at each observation hour from the Mean Force in the Month; the sign + implies that the force is greater than the Mean Force, and − that it is less.

Astron. Time at Toronto.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
January . .	−002	+002	+006	+010	+007	+010	+009	+010	+010	+008	+007	+003
February . .	−002	+001	+007	+009	+012	+013	+012	+013	+013	+008	+007	+004
March . . .	−005	000	+006	+011	+012	+014	+015	+017	+014	+012	+004	−004
April . . .	−002	+007	+011	+016	+020	+021	+020	+017	+013	+011	+004	−009
May . . .	−009	−003	+006	+012	+017	+022	+019	+018	+013	+009	+001	−004
June . . .	−008	−006	+001	+007	+011	+013	+013	+012	+008	+005	+001	−002
July . . .	−005	−002	+007	+014	+020	+024	+021	+018	+012	+003	+001	−006
August . . .	+002	+007	+014	+020	+026	+026	+022	+018	+013	+004	−004	−017
September . .	+006	+016	+022	+026	+026	+021	+020	+018	+014	+008	+001	−001
October . .	+002	+008	+012	+014	+013	+016	+015	+017	+015	+009	+006	+001
November . .	−001	+004	+012	+013	+017	+015	+013	+017	+014	+007	+002	−005
December . .	−001	+005	+013	+013	+013	+011	+012	+013	+011	+011	+008	+003
Mean of the whole Year.	−002	+003	+010	+014	+016	+017	+016	+016	+013	+008	+003	−003

Astron. Time at Toronto.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
January . .	−001	−002	−007	−008	−008	−008	−005	−004	−002	−008	−009	−006
February . .	−003	−006	−010	−009	−010	−008	−006	−006	+005	−005	−008	−008
March . . .	−009	−011	−011	−011	−011	−010	−004	−001	000	−005	−008	−009
April . . .	−013	−014	−017	−016	−014	−011	−003	−006	−005	−005	−006	−006
May . . .	−013	−012	−020	−017	−009	−006	000	−003	−003	−007	−011	−011
June . . .	−006	−010	−009	−010	−004	+001	+004	+003	+001	−003	−006	−009
July . .	−013	−019	−020	−017	−013	−006	−003	−002	−002	−003	−006	−006
August . . .	−021	−025	−023	−026	−019	−007	+002	+003	+001	−002	−002	−002
September . .	−011	−023	−030	−029	−026	−021	−013	−008	−010	−009	−006	−002
October . .	−009	−014	−014	−018	−023	−018	−015	−003	+003	−004	−003	−004
November . .	−006	−008	−012	−011	−014	−012	−009	−007	−005	−008	−007	−005
December . .	−007	−007	−006	−004	−005	−017	−012	−014	−008	−008	−005	−004
Mean of the whole Year.	−009	−013	−015	−015	−014	−010	−005	−004	−002	−006	−006	−006

The diurnal variation of the vertical force at Toronto, in both seasons, *i. e.*, from April to September inclusive, and from October to March inclusive, is a double progression, having two maxima and two minima. The principal maximum takes place two hours earlier from April to September than from October to March, viz., at 5^h from April to September, and at 7^h from October to March. From this maximum the diminution is progressive to the principal minimum, which also occurs earlier from April to September than from October to March; *i. e.*, between 14^h and 15^h from April to September, and at 16^h from October to March. The secondary minimum is at 22^h in both seasons. The range of the diurnal variation is greater during the six months when the sun is north of the equator, or from April to September, than in the opposite season.

DIURNAL VARIATIONS OF THE INCLINATION AND TOTAL FORCE.

Having then the diurnal variation of the horizontal and of the vertical force, we may derive from them the diurnal variations of their theoretical equivalents, the inclination and the total force. The diurnal variation of the inclination is shown in Tables XL., XLI., and XLII.;—that of the total force in Tables XLIII., XLIV., and XLV.

Diurnal Variation of the Inclination.—(Tables XL., XLI., XLII., pp. lxxii. to lxxvii). The magnetic inclination at Toronto has a principal minimum in all months of the year about the hour of 4, occurring, however, somewhat earlier from April to September than from October to March; and a principal maximum about 22^h or 23^h, occurring also earlier from April to September than from October to March. The progression from the maximum at 22^h or 23^h to the minimum at 4^h is continuous and rapid. From April to September the inclination increases, with occasional very slight interruptions, from the minimum at 4^h to the maximum at 22^h. At this season, therefore, the diurnal variation scarcely differs from a single progression, the decrease taking place in the six hours from 22^h to 4^h, and the increase more slowly in the remaining eighteen hours. In the opposite season, from October to March, a secondary maximum shows itself at from 12^h to 14^h, and a secondary minimum at about 18^h.

Diurnal Variation of the Total Force.—(Tables XLIII., XLIV., XLV., pp. lxxviii. to lxxxiii.). The Total Force at Toronto has a principal maximum at 5^h at all seasons, and a principal minimum between 15^h and 16^h, occurring earlier from April to September than from October to March; the decrease from the maximum at 5^h to the minimum at 15^h or 16^h is continuous and uninterrupted at all seasons. From the minimum at 15^h or 16^h the force increases to a secondary maximum, varying in its occurrence in different months from 18^h to 20^h, and being earliest in the months from April to September. A decrease then takes place to a secondary minimum at

22^h or 23^h (earlier also from April to September); and from this secondary minimum to the principal maximum at 5^h the increase is continuous. There is, therefore, at all the seasons of the year, a double progression in the diurnal variation of the Total Force, having—

A principal maximum at . . 5 hours
A principal minimum at 15 or 16 „
A secondary maximum at 18 to 20 „
A secondary minimum at 22 or 23 „

If we compare the deduction now made from the series of 5½ years of hourly observation with that drawn from the two-hourly series of observations from 1841 and 1842 in Vol. I. pp. lxi. and lxii., we find the accordance to be most satisfactory, but as might be expected, the deduction from the more extensive series has greater precision.

TABLE XL.—*Diurnal Variation of the Inclination in the several*

The lowest Monthly Mean occurring at any of the observation hours has

Astronomical Time at Toronto.		0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h
JANUARY.	1843	1′·26	0′·98	0′·67	0′·37	0′·09	0′·10	0′·28	0′·27	0′·26	0′·41	0′·44
	1844 [a]	—	—	—	—	—	—	—	—	—	—	—
	1845	0·64	0·48	0·35	0·15	0·00	0·10	0·25	0·20	0·15	0·27	0·20
	1846	1·20	0·95	0·68	0·30	0·00	0·10	0·20	0·37	0·30	0·54	0·54
	1847	1·06	0·81	0·46	0·14	0·00	0·08	0·01	0·11	0·25	0·30	0·33
	1848	1·65	1·31	1·06	0·63	0·04	0·00	0·20	0·21	0·27	0·29	0·27
Reduced Means		1·15	0·90	0·63	0·31	0·00	0·07	0·18	0·22	0·28	0·35	0·35
FEBRUARY.	1843 [b]	—	—	—	—	—	—	—	—	—	—	—
	1844	0·62	0·39	0·15	0·00	0·10	0·09	0·17	0·16	0·27	0·29	0·50
	1845	0·79	0·66	0·40	0·15	0·07	0·00	0·08	0·18	0·31	0·29	0·24
	1846	0·70	0·49	0·29	0·00	0·07	0·12	0·29	0·22	0·31	0·37	0·36
	1847	0·88	0·59	0·41	0·17	0·00	0·10	0·07	0 26	0·30	0 40	0·25
	1848	1·81	1·58	1·26	0·69	0·08	0·00	0·45	0·32	0 24	0·40	0·45
Reduced Means		0·92	0·68	0·47	0·16	0·02	0·00	0·17	0·19	0·24	0·31	0·32
MARCH.	1843	0·00	0 07	0·33	0·53	0·56	0·56	0·56	0·51	0·40	0·61	0·72
	1844	1·05	0·88	0·45	0·00	0·03	0·14	0·24	0 35	0·35	0·43	0·45
	1845	1·23	0·87	0·53	0·17	0·00	0·07	0·22	0·35	0·32	0·36	0·51
	1846	1·36	1·14	0·78	0·36	0·11	0 06	0·00	0·16	0·20	0·25	0·31
	1847	1 42	1·13	0·74	0·27	0·02	0·00	0·40	0·43	0·56	0·65	0·79
	1848	1·97	1·40	0·85	0·34	0·06	0·00	0·21	0·41	0·54	0 66	0·63
Reduced Means		1·03	0·78	0·47	0·14	0·00	0·00	0·13	0·23	0·26	0·35	0·43
APRIL.	1843	0·16	0·55	1·06	1·22	1·21	1·10	0·88	0·87	0·53	0·73	0·91
	1844	1·21	0·88	0·52	0·19	0 20	0·00	0·31	0·47	0·73	0·79	0·68
	1845	1·58	1·40	1·06	0·52	0·34	0·00	0·08	0·17	0·41	0·48	0·51
	1846	1·23	0·95	0·57	0·18	0·00	0·10	0·20	0·46	0·51	0 76	0·49
	1847	1 90	1·32	0·60	0·25	0·00	0·21	0·50	0·90	1·09	1·33	1·41
	1848	1 67	1·37	0·92	0·37	0·09	0·00	0·20	0·72	1·06	0 83	0·79
Reduced Means		1·06	0·84	0·55	0 22	0·07	0·00	0 12	0·36	0·48	0·58	0 56
MAY.	1843	0·24	0·69	0·87	0 88	1·09	1·43	1·29	0·60	0·36	0·48	0·54
	1844	0·88	0 49	0·21	0 05	0·03	0·03	0·36	0·68	0·73	0·76	0·64
	1845	1·09	0·65	0·31	0·16	0·00	0·07	0·29	0·37	0·59	0·83	0 81
	1846	1·26	0·77	0·26	0·15	0·00	0·10	0·41	0·61	0·82	1·03	1 00
	1847	1·19	0·63	0·24	0·04	0·00	0·11	0·27	0·62	0·93	0·88	0·98
	1848	1·42	1·05	0 53	0·17	0·00	0·00	0·06	0·14	0·54	0·84	0·98
Reduced Means		0·83	0·52	0·22	0·06	0 00	0·11	0·27	0·32	0·48	0·62	0·65
JUNE.	1843	0·22	0·55	0·85	0·76	0·84	0·69	0·49	0·33	0·37	0·30	0 30
	1844	0·84	0·56	0·18	0·07	0 00	0·00	0·22	0·34	0·49	0·66	0·73
	1845	1·17	0·76	0·28	0·09	0·00	0·03	0·21	0·44	0·56	0·70	0·73
	1846	1·20	0·94	0·47	0·23	0·19	0·00	0·11	0·40	0 85	1·30	1·24
	1847	1·37	0·91	0·31	0·06	0·00	0·12	0·37	0·69	0·95	1·04	1·15
	1848	1·56	0·88	0·49	0·11	0·00	0·22	0 58	0·87	1·03	1·06	1·27
Reduced Means		0·89	0·60	0·26	0·05	0·00	0·01	0·16	0 34	0·54	0·67	0·73

[a] The vertical force magnetometer not observed.

[b] The bifilar arrest in this month much interrupted and broken.

Months from January 1843 *to June* 1848, *inclusive.*

been taken as the Zero for the Month, and represents the least North Inclination.

11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
0′46	0′46	0′42	0′34	0′32	0′17	0′03	0′12	0′05	0′14	0′41	0′70	1′08
—	—	—	—	—	—	—	—	—	—	—	—	—
0·22	0·41	0·36	0 40	0·33	0·27	0·18	0·02	0·03	0·24	0·51	0·70	0·78
0·46	0·71	0·76	0·78	0·71	0·54	0·56	0·49	0·49	0·62	0·71	1·10	1·24
0·37	0·43	0·43	0·44	0·37	0·29	0·32	0·23	0·23	0·26	0·50	0·88	1·01
0·49	0·81	0·81	1·15	0·68	0·56	0·46	0·37	0·41	0·58	0·82	1·16	1·61
0·39	0·55	0·55	0·61	0·47	0·36	0·30	0·24	0·23	0·36	0·58	0·80	1·13
—	—	—	—	—	—	—	—	—	—	—	—	—
0·47	0·51	0·50	0·54	0·51	0·45	0·41	0·46	0·49	0·65	0·61	0·61	0·64
0·38	0·22	0·39	0·30	0 30	0·23	0·17	0·12	0·34	0·53	0·66	0·78	0·83
0·26	0·45	0·43	0·41	0·44	0·46	0·46	0·34	0·47	0 73	0·95	0·78	0·75
0·41	0·48	0·48	0·49	0·50	0·43	0·39	0·48	0·56	0·97	0·94	1·14	0·97
0·39	0·73	1·09	1·20	0·94	0·98	0·66	0·48	1·57	1·37	0·96	1·29	1·73
0·34	0·44	0·54	0·55	0·50	0·47	0·38	0·34	0·65	0·81	0·78	0·88	0·94
0·91	1·03	1·11	1·16	1·42	1·51	1·60	1·39	1·33	1·14	0·86	1·39	0·00
0·43	0·18	0·43	0·39	0·22	0·18	0·23	0·25	0 32	0·60	0·85	0·85	0·90
0·49	0·38	0·42	0·46	0 49	0·46	0·42	0·34	0·59	0·82	0·95	1·14	1·36
0·22	0·40	0·39	0·38	0·47	0·32	0·28	0·48	0·63	0·80	1·06	1·23	1·34
0·88	0·68	0·68	0·64	0·70	0·62	0·52	0·51	0·84	1·09	1·35	1·55	1·55
0·78	0·94	1·04	0·81	0·61	0·51	0·59	0·62	0·89	1·31	1 59	1·84	2·02
0·48	0·46	0·52	0·50	0·51	0·46	0·47	0 46	0·63	0 69	0·97	1·19	1·06
0·88	0·99	1·06	1·06	1·10	1 47	1·73	1·72	1·63	1·18	0·65	0·21	0·00
0·84	0 89	0·89	0·91	0·91	0·78	0·61	1·11	0·98	1 09	1·35	1·42	1·35
0·53	0 52	0·63	0·63	0·67	0·57	0·57	0·59	0·63	0·71	0·90	1·30	1·71
0·67	0·70	0·59	0·64	0·58	0·48	0·62	0·64	0·80	1·07	1 26	1·38	1·38
1·53	1·33	1·63	2·48	1·83	1·55	1·23	1·31	1·78	2·00	2·19	2·45	2·33
1·56	1·03	1·23	2·32	2·28	1·05	0·85	1·03	1·12	1·42	1·83	2·08	2·03
0·76	0·67	0·77	1·10	0·99	0·74	0·70	0·83	0·92	1·01	1·12	1·23	1·23
0·68	0·67	0·87	1·05	1·24	1·38	1·52	1·44	1·32	0·90	0·31	0·00	0·12
0·71	0·84	0·90	0·85	0·85	0·85	0·94	0·95	0·97	1·10	1·30	1·40	1·20
0·69	0·84	0·96	0·91	0·97	0·91	1·06	0·96	0·98	1·13	1·46	1·55	1·36
1·06	1·21	1·17	1·07	1·17	1·16	1·35	1·26	1·35	1·66	2·13	2·02	1·63
1·00	1·06	1·08	1·27	1·83	1·20	1·54	1·69	1·34	1·57	1·89	1 92	1·73
0·97	0·93	1·21	1·23	0·95	1·07	1·10	1·10	1·18	1·51	1·84	1·98	1·80
0·67	0·75	0·85	0·88	0·99	0·93	1·07	1·05	1·01	1·13	1·31	1·30	1·13
0·41	0·49	0·67	0·80	0·85	1·02	1·16	1·52	1·27	0·96	0·50	0.12	0·00
0·82	0·83	0·82	0·92	1·03	1·08	1·08	1·05	1·06	1·16	1·29	1·30	1·10
0·80	0·90	0·93	0·94	0·97	0·96	0·93	0·82	0·88	1·05	1·44	1·62	1·48
1·34	1·31	1·25	1·16	1·30	1·34	1·21	1·30	1·46	1·61	1·73	1·85	1·63
1·15	1 16	1·19	1·16	1·26	1·25	1·29	1 24	1·36	1·45	1·65	1·96	1·84
1·47	1·58	1·53	1·49	1·51	1·61	1·68	1·57	1·69	1·79	2·01	2·36	2·16
0·83	0·84	0·90	0·91	0·98	1·04	1·06	1·08	1·12	1·17	1·27	1·37	1 20

TABLE XL.—*(continued.)*—*Diurnal Variation of the Inclination in the several*

Astronomical Time at Toronto.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.
		′	′	′	′	′	′	′	′	′	′	′
JULY.	1843	0·28	0·59	0·96	1·27	1·19	1·13	0·84	0·62	0·45	0·40	0·49
	1844	1·00	0·60	0·11	0·07	0·00	0·15	0·33	0·47	0·62	0·67	0·70
	1845	0·95	0 71	0·26	0·02	0·00	0·04	0·17	0·26	0·42	0·46	0·70
	1846	1·22	1·39	0·41	0·21	0·07	0·00	0·42	0·61	1·11	0·93	0·99
	1847	1·25	0·76	0·27	0·00	0·05	0·25	0·41	0·53	0·65	0·87	1·11
Reduced Means		0·68	0·55	0·14	0·05	0·00	0·05	0·17	0·24	0·39	0·41	0·55
AUGUST.	1843	0·21	0·71	1·09	1·05	1·20	0·91	0·60	0·48	0 40	0·39	0·53
	1844	1·13	0·66	0·25	0·00	0·03	0·19	0·56	0·72	0·76	0·64	0·61
	1845	1·09	0·75	0·31	0·05	0·00	0·25	0·38	0·56	0·67	0·69	0·68
	1846	1·30	0·60	0·21	0·05	0·09	0·00	0·66	1·02	1·06	1·11	1·00
	1847	1·73	1·04	0·42	0·09	0·00	0·06	0·25	0·44	0·42	0·58	0·79
Reduced Means		0·85	0·50	0·21	0·00	0 01	0 03	0·24	0·39	0·41	0·43	0·47
SEPTEMBER.	1843	1·07	0·57	0 24	0·00	0·09	0·21	0·34	0·49	0·58	0·60	0·51
	1844	1·14	0·61	0·31	0·12	0·00	0·01	0·20	0·39	0·51	0·76	0·78
	1845	0·98	0·55	0·19	0·21	0·09	0·18	0·30	0·46	0·52	0·51	0·50
	1846	1·71	1·12	0·47	0·00	0·19	0·30	0·63	0·74	0·67	0·55	0·71
	1847	2·36	1·41	0·92	0·28	0·00	0·04	1·15	0·55	0·63	0·63	0·52
Reduced Means		1·39	0·79	0·37	0·06	0·00	0·09	0·46	0·47	0·52	0·55	0·54
OCTOBER.	1843	0·62	0·58	0·30	0·13	0 00	0·03	0·19	0·33	0·29	0·37	0·37
	1844	0·99	0·63	0 29	0·19	0·00	0·08	0·13	0·19	0·33	0·28	0·32
	1845	0·59	0·41	0·24	0·00	0·07	0·18	0·37	0·42	0·59	0·66	0·63
	1846	1·21	0·90	0·57	0·18	0·00	0·09	0·47	0·57	0·59	0·57	0·57
	1847	1·25	1·10	0·63	0·57	0·12	0·07	0·00	0·26	0·34	0·39	0·44
Reduced Means		0·89	0·68	0·37	0·17	0·00	0·05	0·19	0·31	0·39	0·41	0·43
NOVEMBER.	1843[a]	—	—	—	—	—	—	—	—	—	—	—
	1844	0·73	0·60	0·32	0·05	0·02	0·11	0·07	0·31	0·34	0·27	0·19
	1845	0·84	0·67	0·44	0·28	0·15	0·14	0·11	0·00	0·02	0·18	0·11
	1846	1·06	0·92	0·63	0 38	0·27	0·40	0·41	0·41	0·40	0·32	0·35
	1847	1·48	1·14	0·59	0 26	0·18	0·19	0·10	0·03	0·12	0·21	0·85
Reduced Means		1·01	0·81	0·47	0 22	0·13	0·19	0·15	0·17	0·20	0·22	0·35
DECEMBER.	1843[a]	—	—	—	—	—	—	—	—	—	—	—
	1844	0·90	0·66	0·42	0·27	0·00	0·09	0·13	0·19	0·28	0·51	0·61
	1845	0·88	0·81	0·52	0·27	0·07	0·03	0·10	0·17	0·12	0·27	0·30
	1846	1·04	0·83	0·47	0·12	0·00	0·00	0·08	0·29	0·37	0·29	0 21
	1847	2·00	1·85	1·32	1·05	0·56	0·50	0·41	0·00	0·47	0·60	0·82
Reduced Means		1·05	0·89	0·53	0·28	0·01	0·00	0·03	0·01	0·16	0·27	0·33

[a] The Vertical Force Magnetometer not observed.

Months, from July 1843 *to December* 1847, *inclusive.*

11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.
′	′	′	′	′	′	′	′	′	′	′	′	′
0·68	0·91	0·90	1·09	1·23	1·27	1·39	1·27	1·06	0·72	0·37	0·01	0·00
0·71	0·73	0·80	0·91	0·93	0·96	1·01	0·92	0·89	1·17	1·56	1·80	1·53
0·68	0·67	0·60	0·68	0·72	0·75	0·70	0·76	0·76	0·89	1·19	1·45	1·31
1·17	1·16	0·79	0·92	1·21	1·19	1·31	1·21	1·23	1·27	1·43	1·71	1·42
0·95	1·06	1·31	1·07	1·17	1·39	1·30	1·22	1·37	1·69	1·93	1·99	1·68
0·58	0·65	0·62	0·67	0·79	0·85	0·88	0·82	0·80	0·89	1·04	1·13	0·93
0·58	0·81	0·89	1·06	1·18	1·16	1·42	1·59	1·40	0·88	0·29	0·01	0·00
0·65	0·61	0·76	0·76	0 75	0·82	0·82	0·83	1·03	1·27	1·84	1·89	1·64
0·65	0·73	0·75	0·76	0·90	0·88	0·80	0·98	1·17	1·41	1·52	1·65	1·50
1·00	0·78	0·93	0·85	0·89	1·03	1·40	1·38	1·43	1·59	2·02	2·02	1·70
1·11	0·94	1·07	1·03	1·17	1·02	0·97	1·04	1·19	1·52	1·83	1·99	2·05
0·55	0·52	0·63	0·64	0·73	0·73	0·83	0·90	0·99	1·08	1·25	1·26	1·13
0·63	0·61	0·59	0·62	0·58	0·48	0·53	0·58	0·71	1·14	1·50	1·53	1·38
0·73	0·80	0·97	0·86	0·84	0·61	0·77	0·58	0·86	1·27	1·63	1·81	1·64
0·53	0·75	0·65	0·44	0·56	0·45	0 50	0·50	0·76	1·08	1·40	1·57	1·37
0·80	0·50	0·71	1·07	1·03	0·85	0·64	0·98	1·30	1·65	1·94	2·21	2·11
0·75	0·86	0·79	0·79	0·96	0·74	1·00	1·66	2·09	1·60	2·17	2·51	2·60
0·53	0·64	0·68	0·70	0·73	0·57	0·63	0·80	1·08	1·29	1·67	1·87	1·76
0·49	0·48	0·41	0·37	0·21	0·20	0 20	0·27	0·47	0·62	0·63	0·75	0·77
0·24	1·00	0·39	0·33	0·32	0·27	0·34	0·28	0·44	0·76	1·15	1·30	1·20
0·67	0·66	0·57	0·47	0·42	0·23	0·25	0·31	0·51	0·72	0·75	0·75	0·76
0·86	0·87	0·67	0·66	0·49	0·25	0·20	0·24	0·55	0·97	1·29	1·39	1·39
0·37	1·38	0·99	1·79	0·85	1·71	0·58	0·76	1·67	2·23	2·16	1 76	1·72
0·49	0·84	0·57	0·68	0·42	0·49	0·27	0·33	0·69	1·02	1·16	1·15	1·13
—	—	—	—	—	—	—	—	—	—	—	—	—
0·22	0·23	0·26	0·27	0·26	0·19	0·06	0·04	0·00	0·22	0·46	0 77	0·81
0·23	0·33	0·32	0·29	0·14	0·04	0·06	0·03	0·00	0·39	0·80	0·90	1·04
0·46	0·40	0·39	0·21	0·26	0·21	0·17	0·00	0·13	0·47	0 87	0·99	1·10
0·31	0·63	0·70	0·47	0·41	0·29	0·17	0·00	0·43	0·70	1·02	1·23	1·50
0 28	0·38	0·40	0·29	0·25	0·17	0·09	0·00	0·12	0·42	0·77	0·95	1·09
—	—	—	—	—	—	—	—	—	—	—	—	—
0·52	0·64	0·61	0·59	0·52	0·43	0·31	0·14	0·16	0·28	0·36	0·73	0·87
0·33	0·36	0·33	0·34	0·27	0·16	0·16	0·49	0·00	0·06	0·32	0·64	0·76
0·10	0·33	0 31	0·23	0·21	0·13	0·11	0·09	0·15	0·39	0·57	0·86	1·05
0·90	1·08	1·33	1·02	1·15	1·22	2·03	1·62	1·52	1·52	1·91	1·83	1·84
0·31	0·45	0·49	0·39	0·39	0·33	0·50	0·43	0·31	0·41	0·64	0·86	0·98

Table XLI.

Showing the Mean Diurnal Variation of the Inclination in the several Months of the Year, derived from Table XL.

Astron. Time at Toronto.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
	′	′	′	′	′	′	′	′	′	′	′	′
January . .	1·15	0·90	0·63	0·31	0·00	0·07	0·18	0·22	0·28	0·35	0·35	0·39
February . .	0·92	0·68	0·47	0·16	0·02	0·00	0·17	0·19	0·24	0·31	0·32	0·34
March . . .	1·03	0·78	0·47	0·14	0·00	0·00	0·13	0·23	0·26	0·35	0·43	0·48
April . . .	1·06	0 84	0·55	0·22	0·07	0·00	0·12	0·36	0·48	0·58	0 56	0·76
May . . .	0·83	0·52	0·22	0·06	0·00	0·11	0·27	0·32	0·48	0·62	0·65	0·67
June . . .	0·89	0·60	0·26	0·05	0·00	0·01	0 16	0·34	0·54	0·67	0·73	0·83
July . . .	0·68	0·55	0·14	0·05	0·00	0·05	0·17	0 24	0 39	0·41	0·55	0·58
August. . .	0·85	0·50	0·21	0 00	0·01	0·03	0·24	0 39	0 41	0 43	0·47	0·55
September . .	1·39	0·79	0·37	0·06	0·00	0·09	0·46	0·47	0·52	0 55	0·54	0·53
October . .	0 89	0·68	0·37	0·17	0 00	0·05	0·19	0·31	0 39	0·41	0 43	0·49
November . .	1 01	0·81	0·47	0 22	0·13	0·19	0·15	0·17	0·20	0·22	0·35	0·28
December . .	1·05	0·89	0·53	0·28	0·01	0·00	0·03	0 01	0·16	0·27	0·33	0 31
April to September inclusive	0·94	0·62	0 28	0·06	0·00	0 04	0 23	0·34	0·46	0·53	0·57	0·64
October to March inclusive . . .	0·98	0·76	0·46	0·18	0·00	0·02	0·11	0·17	0·22	0·29	0·34	0·32
Mean of the whole Year .	0·96	0·69	0·37	0·12	0·00	0·03	0·17	0·25	0·34	0·41	0·46	0·50

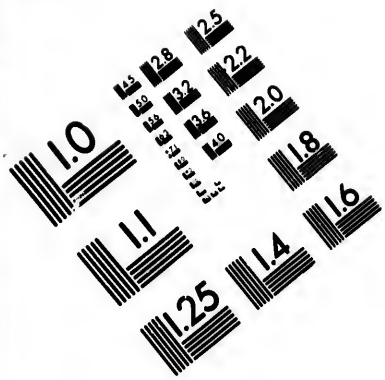
Astron. Time at Toronto.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
	′	′	′	′	′	′	′	′	′	′	′	′
January . .	0·55	0·55	0·61	0·47	0·36	0·30	0·24	0·23	0·36	0·58	0·80	1·13
February . .	0·44	0·54	0·55	0·50	0·47	0·38	0·34	0·65	0·81	0·78	0·88	0·94
March . . .	0·46	0·52	0·50	0·51	0·46	0·47	0·46	0·63	0·69	0·97	1·19	1·06
April . . .	0·67	0·77	1·10	0·99	0·74	0·70	0·83	0·92	1·01	1·12	1·23	1·23
May . . .	0·75	0·85	0·88	0·99	0·93	1·07	1·05	1·01	1·13	1·31	1·30	1·13
June . . .	0·84	0·90	0·91	0·88	1·04	1·06	1·08	1·12	1·17	1·27	1·37	1·20
July . . .	0·65	0·62	0·67	0·79	0·85	0·88	0·82	0·80	0·89	1·04	1·13	0·93
August. . .	0·52	0·63	0·64	0·73	0·73	0·83	0·90	0·99	1·08	1·25	1·26	1·13
September . .	0·64	0·68	0·70	0·73	0·57	0·63	0·80	1·08	1·29	1·67	1·87	1·76
October . .	0·84	0·57	0·68	0·42	0 49	0·27	0·33	0·69	1·02	1·16	1·15	1·13
November . .	0·38	0·40	0·29	0·25	0·17	0·09	0·00	0·12	0·42	0·77	0·95	1·09
December . .	0·45	0·49	0·39	0·39	0·33	0·50	0·43	0·31	0·41	0·64	0·86	0·98
April to September inclusive	0·67	0·73	0·81	0·86	0·80	0·85	0·90	0·98	1·09	1·27	1·35	1·22
October to March inclusive . . .	0 49	0·48	0·47	0·39	0·35	0 31	0·27	0·41	0·59	0·79	0·94	1·03
Mean of the whole Year .	0·58	0·61	0·56	0·63	0·58	0·58	0·59	0·69	0·84	1·03	1·15	1·12

Table XLII.

Exhibiting the Differences of the Inclination at each observation hour from the Mean in the Month; the sign + implies that the North Inclination is greater than the Mean Inclination, and − that it is less

Astron. Time at Toronto.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
	′	′	′	′	′	′	′	′	′	′	′	′
January . .	+0·69	+0·44	+0·17	−0·15	−0·46	−0·39	−0·28	−0·24	−0·18	−0·11	−0·11	−0·07
February . .	+0·46	+0·22	+0·01	−0·30	−0·44	−0·46	−0·29	−0·27	−0·22	−0·15	−0·14	−0·12
March . . .	+0·52	+0·27	−0·04	−0·37	−0·51	−0·51	−0·38	−0·28	−0·25	−0·16	−0·08	−0·03
April . . .	+0·36	+0·14	−0·15	−0·48	−0·63	−0·70	−0·58	−0·34	−0·22	−0·12	−0·14	+0·06
May . . .	+0·12	−0·19	−0·49	−0·65	−0·71	−0·60	−0·44	−0·39	−0·23	−0·09	−0·06	−0·04
June . . .	+0·14	−0·15	−0·49	−0·70	−0·75	−0·74	−0·59	−0·41	−0·21	−0·08	−0·02	+0·08
July . . .	+0·10	−0·03	−0·44	−0·53	−0·58	−0·53	−0·41	−0·34	−0·19	−0·17	−0·03	−0·00
August . .	+0·23	−0·12	−0·41	−0·62	−0·61	−0·59	−0·38	−0·23	−0·21	−0·19	−0·15	−0·07
September . .	+0·63	+0·03	−0·39	−0·70	−0·76	−0·67	−0·30	−0·29	−0·24	−0·21	−0·22	−0·23
October . .	+0·35	+0·14	−0·17	−0·37	−0·54	−0·49	−0·35	−0·23	−0·15	−0·13	−0·11	−0·05
November . .	+0·63	+0·43	+0·09	−0·16	−0·25	−0·19	−0·23	−0·21	−0·18	−0·16	−0·03	−0·10
December . .	+0·69	+0·47	+0·11	−0·14	−0·41	−0·42	−0·39	−0·41	−0·26	−0·15	−0·09	−0·11
Mean of the whole Year.	+0·41	+0·14	−0·18	−0·43	−0·55	−0·52	−0·39	−0·30	−0·21	−0·14	−0·10	−0·06

Astron. Time at Toronto.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.
	′	′	′	′	′	′	′	′	′	′	′	′
January . .	+0·09	+0·09	+0·15	+0·01	−0·10	−0·16	−0·22	−0·23	−0·10	+0·12	+0·34	+0·67
February . .	−0·02	+0·08	+0·09	+0·04	+0·01	−0·08	−0·12	+0·19	+0·35	+0·32	+0·42	+0·48
March . . .	−0·05	+0·01	−0·01	0·00	−0·05	−0·04	−0·05	+0·12	+0·18	+0·46	+0·68	+0·55
April . . .	−0·03	+0·07	+0·40	+0·29	+0·04	0·00	+0·13	+0·22	+0·31	+0·42	+0·53	+0·53
May . . .	+0·04	+0·14	+0·17	+0·28	+0·22	+0·36	+0·34	+0·30	+0·42	+0·60	+0·59	+0·42
June . . .	+0·09	+0·15	+0·16	+0·23	+0·29	+0·31	+0·33	+0·37	+0·42	+0·52	+0·62	+0·45
July . . .	+0·07	+0·04	+0·09	+0·21	+0·27	+0·30	+0·24	+0·22	+0·31	+0·46	+0·55	+0·35
August. . .	−0·10	+0·01	+0·02	+0·11	+0·11	+0·21	+0·28	+0·37	+0·46	+0·63	+0·64	+0·51
September . .	−0·12	−0·08	−0·06	−0·03	−0·19	−0·13	+0·04	+0·32	+0·53	+0·91	+1·11	+1·00
October . .	+0·30	+0·03	+0·14	−0·12	−0·05	−0·27	−0·21	+0·15	+0·48	+0·62	+0·61	+0·59
November . .	0·00	+0·02	−0·09	−0·13	−0·21	−0·29	−0·38	−0·26	+0·04	+0·39	+0·57	+0·71
December . .	+0·03	+0·07	−0·03	−0·03	−0·09	+0·08	−0·01	−0·11	−0·01	+0·22	+0·44	+0·56
Mean of the whole Year.	+0·03	+0·05	+0·09	+0·07	+0·02	+0·02	+0·03	+0·14	+0·29	+0·47	+0·59	+0·57



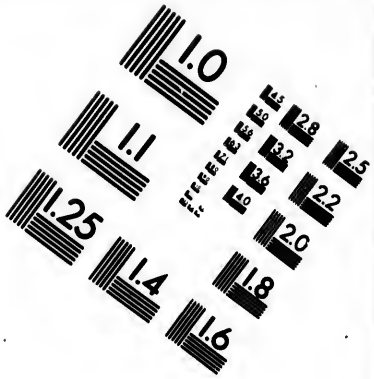


IMAGE EVALUATION TEST TARGET (MT-3)

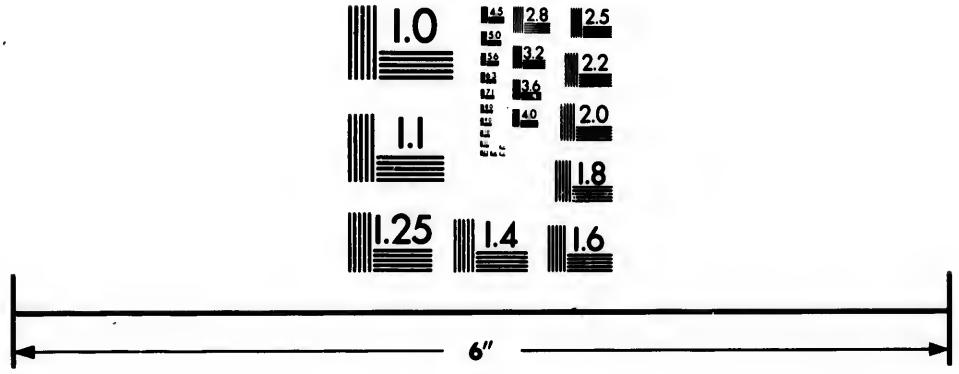


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TABLE XLIII.—*Diurnal Variation of the Total Force in the several Months*

The lowest Monthly Mean occurring at any of the observation hours has

Astron. Time at Toronto.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.
		·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
JANUARY.	1843	006	013	019	026	028	028	027	028	027	025	025
	1844 [a]	—	—	—	—	—	—	—	—	—	—	—
	1845	006	012	019	022	024	039	026	028	027	024	021
	1846	000	008	016	017	017	015	013	011	011	017	011
	1847	006	008	013	024	015	018	020	017	016	012	013
	1848	015	020	024	032	035	033	038	041	041	035	035
Reduced Means		006	011	017	023	023	026	024	024	023	022	020
FEBRUARY.	1843 [b]	—	—	—	—	—	—	—	—	—	—	—
	1844	005	008	015	018	016	020	020	018	017	017	015
	1845	005	011	023	027	027	028	017	026	024	022	019
	1846	004	004	009	013	013	012	017	018	017	015	015
	1847	006	010	012	016	019	020	021	024	026	017	012
	1848	042	051	057	061	082	082	063	066	072	050	058
Reduced Means		007	012	018	022	026	027	025	025	026	019	019
MARCH.	1843	011	014	016	016	018	018	021	027	030	028	021
	1844	021	031	038	048	055	058	057	060	050	042	039
	1845	005	013	020	027	030	036	032	034	031	030	026
	1846	002	008	017	026	030	032	031	025	022	020	019
	1847	009	024	032	048	047	048	050	051	048	042	027
	1848	000	044	059	061	061	062	060	062	059	055	043
Reduced Means		000	014	022	030	032	034	034	035	032	028	021
APRIL.	1843	018	025	030	035	041	042	043	043	038	031	022
	1844	029	039	049	054	054	061	059	052	047	040	033
	1845	002	008	019	028	030	035	035	032	032	022	019
	1846	011	018	033	044	048	046	041	038	032	040	014
	1847	044	063	052	057	065	064	063	054	042	053	053
	1848	049	059	072	082	089	087	087	079	076	075	066
Reduced Means		020	029	037	044	050	050	049	044	039	038	029
MAY.	1843	002	005	013	018	026	037	039	033	028	021	016
	1844	007	011	019	027	032	038	038	037	032	023	014
	1845	009	017	028	037	042	043	039	035	030	027	028
	1846	018	028	046	052	062	066	050	042	035	033	013
	1847	044	054	061	068	071	076	073	070	066	065	054
	1848	023	037	051	060	063	062	060	068	058	050	045
Reduced Means		011	019	030	038	033	048	044	042	036	031	022
JUNE.	1843	004	007	009	013	020	023	026	024	020	017	011
	1844	006	011	016	021	026	027	023	022	020	019	015
	1845	004	006	018	026	032	034	033	028	025	020	015
	1846	014	016	030	039	041	043	044	044	032	025	019
	1847	008	014	023	032	038	035	036	030	027	020	020
	1848	002	009	024	031	033	041	033	032	024	022	018
Reduced Means		003	007	017	024	029	031	029	027	022	018	013

[a] The Vertical Force Magnetometer not observed. [b] The Bifilar lenses in this month much interrupted and broken.

from January 1843 *to June* 1848 *inclusive, in parts of the Total Force.*

been taken as the Zero for the month, and expresses the least Force.

11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.
·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
020	009	011	009	009	009	012	010	012	015	007	000	000
—	—	—	—	—	—	—	—	—	—	—	—	—
017	008	006	003	001	003	000	008	008	006	000	000	002
012	012	006	003	004	002	009	010	010	012	005	001	000
013	010	008	011	011	011	010	012	013	010	003	001	000
021	019	020	001	000	004	004	010	012	017	010	005	005
016	011	009	004	004	005	006	009	010	011	004	000	000
—	—	—	—	—	—	—	—	—	—	—	—	—
013	014	010	010	009	011	012	010	011	014	004	000	001
017	003	002	006	005	000	007	008	006	010	007	003	000
013	008	004	005	009	009	008	012	015	018	003	001	000
010	005	010	006	004	005	005	004	002	011	003	000	000
049	044	012	000	008	005	014	022	005	039	043	036	033
015	010	003	000	002	001	004	006	003	013	007	003	002
017	008	002	000	004	005	005	009	012	012	011	005	007
026	000	011	014	009	016	015	022	030	028	025	020	018
027	013	016	015	016	015	019	021	021	018	008	005	000
020	016	012	011	014	013	017	025	019	018	012	007	000
000	025	022	025	017	019	021	029	028	029	020	017	019
036	030	015	016	010	017	008	016	025	028	021	018	020
013	007	005	006	004	006	006	012	015	014	008	004	003
014	008	010	008	000	003	005	016	012	015	013	012	012
029	024	025	014	000	019	007	003	004	022	023	022	024
019	017	014	009	012	017	020	017	017	012	007	002	000
014	007	005	009	000	006	017	021	019	013	008	005	003
037	042	035	000	008	021	027	042	028	025	036	034	039
008	008	000	017	013	030	035	054	054	050	045	042	042
014	012	009	004	000	010	013	020	016	017	016	014	014
014	000	000	000	005	009	008	014	012	013	011	007	005
008	004	000	002	005	010	014	016	016	012	006	001	000
021	016	018	014	011	016	019	021	018	010	005	000	002
008	000	009	014	012	008	005	021	019	015	011	010	015
056	040	055	002	005	031	036	047	039	049	015	000	038
032	023	000	005	008	023	027	024	024	024	015	018	017
017	008	008	000	002	010	012	018	015	014	004	000	007
009	013	003	003	001	006	006	009	009	010	009	007	006
013	011	008	007	006	006	009	006	006	002	000	002	004
017	014	010	009	007	010	012	014	014	010	004	000	003
012	009	000	002	000	005	017	021	020	020	018	013	009
011	001	000	004	005	014	021	022	017	014	010	003	001
016	012	005	004	002	015	019	029	029	019	006	001	000
010	005	001	002	001	006	011	014	013	010	005	001	000

TABLE XLIII.—*(continued.)*—*Diurnal Variation of the Total Force in the several*

Astron. Time at Toronto.		0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h
		·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
JULY.	1843	024	026	034	041	044	051	046	044	043	026	020
	1844	007	013	019	031	037	038	035	030	025	023	019
	1845	008	013	023	032	039	038	036	030	024	022	018
	1846	037	038	057	063	070	080	073	070	056	046	041
	1847	015	019	032	042	047	050	047	044	036	019	023
Reduced Means		015	019	030	039	044	048	044	041	034	024	021
AUGUST.	1843	030	031	034	039	043	042	040	041	036	030	023
	1844	016	027	041	047	050	053	049	046	037	029	021
	1845	034	042	053	059	070	063	061	053	052	043	036
	1846	070	080	089	105	111	119	101	093	086	067	051
	1847	019	027	036	042	047	046	040	035	031	026	023
Reduced Means		027	034	044	051	057	058	051	047	041	032	024
SEPTEMBER.	1843	014	023	032	039	045	043	039	036	052	033	017
	1844	047	060	067	071	070	066	066	062	057	046	045
	1845	030	042	053	053	056	054	051	048	044	041	033
	1846	060	084	094	103	095	085	081	075	072	066	057
	1847	034	050	057	070	070	063	061	060	049	046	040
Reduced Means		031	046	055	061	061	056	054	050	045	040	032
OCTOBER.	1843	018	023	033	038	041	040	041	042	040	035	037
	1844	019	030	035	041	044	042	037	037	038	034	027
	1845	007	012	018	022	021	026	023	022	024	023	017
	1846	027	032	038	045	044	047	048	054	041	025	023
	1847	054	062	070	064	062	067	066	067	065	061	056
Reduced Means		022	029	036	039	039	041	040	041	039	033	029
NOVEMBER.	1843	—	—	—	—	—	—	—	—	—	—	—
	1844	013	021	032	038	036	035	034	034	035	028	026
	1845	015	022	029	029	030	025	024	024	022	020	017
	1846	006	013	022	026	024	025	027	028	023	020	017
	1847	000	017	030	033	055	051	043	057	050	032	017
Reduced Means		004	013	023	027	031	029	027	031	028	020	014
DECEMBER.	1843[a]	—	—	—	—	—	—	—	—	—	—	—
	1844	004	012	016	020	023	021	020	020	018	017	014
	1845	005	012	022	031	030	028	027	027	018	018	022
	1846	001	006	011	012	015	016	016	016	016	014	011
	1847	052	059	080	075	080	075	080	086	083	084	070
Reduced Means		013	019	029	032	034	032	033	034	031	030	026

[a] The Vertical Force Magnetometer not observed.

Months, from January 1843 *to December* 1847, *inclusive.*

11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
018	010	006	002	000	003	004	005	006	012	015	017	020
016	008	004	000	003	004	009	013	014	012	008	002	003
009	002	002	000	003	008	012	015	016	014	011	005	003
033	014	008	000	002	006	022	031	037	033	033	029	033
013	017	000	013	018	022	027	030	027	023	002	012	012
015	007	001	000	002	006	012	016	017	016	011	010	011
013	012	009	003	007	006	015	021	000	023	025	026	027
015	008	005	004	000	010	011	015	014	012	006	006	007
026	020	022	012	004	018	029	040	037	000	028	027	029
034	023	000	027	021	028	052	065	069	067	061	061	064
000	005	009	006	003	007	017	029	031	021	016	015	014
011	007	002	003	000	007	018	027	023	018	020	020	021
012	013	003	005	002	000	006	012	014	013	007	004	007
043	029	013	000	012	025	018	035	043	038	034	033	039
026	025	006	000	001	018	027	028	023	019	016	017	022
060	036	031	020	000	002	026	011	022	025	031	040	047
036	022	012	007	021	009	000	024	024	012	010	012	018
029	019	007	000	001	005	009	016	019	015	014	015	021
028	019	013	009	000	007	013	023	034	033	023	020	015
024	017	002	009	004	000	003	002	009	014	014	011	014
014	006	000	004	005	000	005	010	011	018	005	002	000
014	000	006	005	009	008	017	018	011	021	018	018	018
054	030	037	025	020	000	010	008	043	040	021	040	037
024	011	009	007	005	000	007	009	019	022	013	015	014
—	—	—	—	—	—	—	—	—	—	—	—	—
014	008	011	007	000	003	003	002	007	013	007	007	011
014	013	008	010	007	000	007	014	017	011	009	006	009
014	010	005	000	010	011	010	016	017	013	008	006	002
011	014	012	007	012	007	010	015	009	009	003	003	006
008	009	004	001	002	000	003	007	008	007	002	001	002
—	—	—	—	—	—	—	—	—	—	—	—	—
012	010	007	007	009	006	006	007	005	004	002	001	000
018	013	011	011	007	005	003	001	003	000	005	003	002
003	005	003	006	005	003	004	011	012	009	006	000	000
067	025	032	034	050	006	000	014	012	038	033	044	051
022	010	010	012	015	002	000	005	005	010	009	009	010

Table XLIV.

Showing the mean Diurnal Variation of the Total Force in the several Months of the Year, derived from Table XLIII.

Astronomical Time at Toronto.	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
January . .	006	011	017	023	023	026	024	024	023	022	020	016
February . .	007	012	018	022	026	027	025	025	026	019	019	015
March . . .	000	014	022	030	032	034	034	035	032	028	021	013
April . . .	020	029	037	044	050	050	049	044	039	038	029	014
May . . .	011	019	030	038	033	048	044	042	036	031	022	017
June . . .	003	007	017	024	029	031	029	027	022	018	013	010
July . . .	015	019	030	039	044	048	044	041	034	024	021	015
August . . .	027	034	044	051	057	058	051	047	041	032	024	011
September . .	031	046	055	061	061	056	054	050	045	040	032	029
October . . .	022	029	036	039	039	041	040	041	039	033	029	024
November . .	004	013	023	027	031	029	027	031	028	020	014	008
December . .	013	019	029	032	034	032	033	034	031	030	026	022
April to Sept. inclusive .	017	025	034	042	045	048	044	041	035	030	022	015
Oct. to March inclusive. .	007	014	022	027	029	030	029	030	028	023	020	014
Mean of the whole Year .	010	018	027	033	035	037	035	034	030	025	020	013

Astronomical Time at Toronto.	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
January . .	011	009	004	004	005	006	009	010	011	004	000	000
February . .	010	003	000	002	001	004	006	003	013	007	003	002
March . . .	007	005	006	004	006	006	012	015	014	008	004	003
April . . .	012	009	004	000	010	013	020	016	017	016	014	014
May . . .	008	008	000	002	010	012	018	015	014	004	000	007
June . . .	005	001	002	001	006	011	014	013	010	005	001	000
July . . .	007	001	000	002	006	012	016	017	016	011	010	011
August . . .	007	002	003	000	007	018	027	023	018	020	020	021
September . .	019	007	000	001	005	009	016	019	015	014	015	021
October . .	011	009	007	005	000	007	009	019	022	013	015	014
November . .	009	004	001	002	000	003	007	008	007	002	001	002
December . .	010	010	012	015	002	000	005	005	010	009	009	010
April to Sept. inclusive .	009	004	001	000	006	012	018	017	014	011	009	011
Oct. to March inclusive .	008	005	003	003	000	002	006	008	011	005	004	003
Mean of the whole Year .	007	003	006	000	002	005	010	011	011	006	005	006

Table XLV.

Exhibits the Differences of the Total Force at each observation hour from the Mean Force in the month; the sign + implies that the force is greater than its Mean value in the Month and − that it is less.

Astron. Time at Toronto.	0^h	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
January . .	−007	−002	+004	+010	+010	+013	+011	+011	+010	+009	+007	+003
February . .	−005	000	+006	+010	+014	+015	+013	+013	+014	+007	+007	+003
March . .	−016	−002	+006	+014	+016	+018	+018	+019	+016	+012	+005	−003
April . . .	−004	+005	+013	+020	+026	+026	+025	+020	+015	+014	+005	−010
May . . .	−014	−006	+005	+013	+008	+023	+019	+017	+011	+006	−003	−008
June . . .	−012	−008	+002	+009	+014	+016	+014	+012	+007	+003	−002	−005
July . . .	−005	−001	+010	+019	+024	+028	+024	+021	+014	+004	+001	−005
August . .	000	+007	+017	+024	+030	+031	+024	+020	+014	+005	−003	−016
September .	+002	+017	+026	+032	+032	+027	+025	+021	+016	+011	+003	000
October . .	000	+007	+014	+017	+017	+019	+018	+019	+017	+011	+007	+002
November .	−009	000	+010	+014	+018	+016	+014	+018	+015	+007	+001	−005
December. .	−005	+001	+011	+014	+016	+014	+015	+016	+013	+012	+008	+004
Mean of the whole Year	−006	+002	+010	+016	+019	+021	+018	+017	+014	+008	+003	−003

Astron. Time at Toronto.	12^h	13^h	14^h	15^h	16^h	17^h	18^h	19^h	20^h	21^h	22^h	23^h
	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00	·00
January . .	−002	−004	−009	−009	−008	−007	−004	−003	−002	−009	−013	−013
February . .	−002	−009	−012	−010	−011	−008	−006	−009	+001	−005	−009	−010
March . .	−009	−011	−010	−012	−010	−010	−004	−001	−002	−008	−012	−013
April . . .	−012	−015	−020	−024	−014	−011	−004	−008	−007	−008	−010	−010
May . . .	−017	−017	−025	−023	−015	−013	−007	−010	−011	−021	−025	−018
June . . .	−010	−014	−013	−014	−009	−004	−001	−002	−005	−010	−014	−015
July . . .	−013	−019	−020	−018	−014	−008	−004	−003	−004	−009	−010	−009
August . .	−020	−025	−024	−027	−020	−009	000	−004	−009	−007	−007	−006
September. .	−010	−022	−029	−028	−024	−020	−013	−010	−014	−015	−014	−008
October . .	−011	−013	−015	−017	−022	−015	−013	−003	000	−009	−007	−008
November. .	−004	−009	−012	−011	−013	−010	−006	−005	−006	−011	−012	−011
December .	−008	−008	−006	−003	−016	−018	−013	−013	−008	−009	−009	−008
Mean of the whole Year.	−010	−014	−016	−016	−015	−011	−006	−006	−006	−010	−012	−011

VARIATION OF THE DIURNAL RANGE.

Tables XLVI., XLVII., XLVIII., and XLIX. show the inequality or variation in the amount of the diurnal range of the Horizontal and Vertical Force, and of the Inclination and Total Force, in different years, and in different seasons of those years. The explanation given in the concluding paragraph in p. xxi. of the present volume, of the corresponding tables of the variation in the diurnal range of the declination, is applicable to these tables also.

TABLE XLVI.

Mean Magnitude of the Diurnal Range of the Horizontal Force, from 1841 *to* 1851 *inclusive, in parts of the Horizontal Force.*

YEARS.	Winter. Jan., Feb., Nov., Dec.	Spring&Autumn. March, April, Sept., Oct.	Summer. May, June, July, August.	Mean of the whole Year.	YEARS.
1841	·00123	·00200	·00223	·00182	1841
1842	·00132	·00174	·00234	·00180	1842
1843	·00119	·00174	·00170	·00154	1843
1844	·00107	·00189	·00211	·00169	1844
1845	·00120	·00181	·00211	·00171	1845
1846	·00135	·00217	·00256	·00203	1846
1847	·00200	·00292	·00259	·00250	1847
1848	·00225	·00304	·00307	·00279	1848
1849	·00214	·00270	·00294	·00259	1849
1850	·00202	·00275	·00227	·00235	1850
1851	·00169	·00271	·00183	·00208	1851

TABLE XLVII.

Mean Magnitude of the Diurnal Range of the Vertical Force, from 1841 *to* 1848 *inclusive, in parts of the Vertical Force.*

YEARS.	Winter. Jan., Feb., Nov., Dec.	Spring&Autumn. March, April, Sept., Oct.	Summer. May, June, July, August.	Mean of the whole Year.	YEARS.
1841	·00039	·00056	·00056	·00050	1841
1842	·00022	·00041	·00039	·00034	1842
1843	·00033	·00038	·00041	·00037	1843
1844	·00023	·00056	·00034	·00038	1844
1845	·00032	·00032	·00037	·00034	1845
1846	·00019	·00053	·00070	·00047	1846
1847	·00040	·00057	·00044	·00047	1847
1848	·00041	·00051	·00041	·00044	1848

TABLE XLVIII.

Mean Magnitude of the Diurnal Range of the Inclination, from 1843 *to* 1848 *inclusive.*

YEARS.	Winter. Jan., Feb., Nov., Dec.	Spring & Autumn. March, April, Sept., Oct.	Summer. May, June, July, August.	Mean of the whole Year.	YEARS.
	′	′	′	′	
1843	1·26	1·40	1·50	1·39	1843
1844	0·78	1·39	1·59	1·25	1844
1845	0·88	1·35	1·57	1·27	1845
1846	1·09	1·59	1·92	1·53	1846
1847	1·43	2·22	1·98	1·88	1847
1848	1·64	2·30	2·38	2·11	1848

TABLE XLIX.

Mean Magnitude of the Diurnal Range of the Total Force, from 1843 *to* 1848 *inclusive, in parts of the Force.*

YEARS.	Winter. Jan., Feb., Nov., Dec.	Spring & Autumn. March, April, Sept., Oct.	Summer. May, June, July, August.	Mean of the whole Year.	YEARS.
1843	·00028	·00040	·00040	·00036	1843
1844	·00027	·00059	·00039	·00042	1844
1845	·00032	·00038	·00046	·00039	1845
1846	·00020	·00059	·00077	·00052	1846
1847	·00048	·00064	·00052	·00055	1847
1848	·00049	·00064	·00055	·00056	1848

The values for 1848 in Tables XLVIII. and XLIX. include a part of the observations of that year which were not included in the corresponding Tables published in the Phil. Trans. for 1852, Art. viii., pp. 119-120; and are therefore *slightly* different from the values given in the paper referred to.

MAGNETIC INCLINATION.

The custom, described in the first volume of the Toronto Observations, of making eight determinations of the Inclination in each month, at nearly equal intervals in the month, and taking for this purpose Tuesdays in the forenoon, and Fridays in the afternoon, as the times of observation, was continued from April 1841, to December 1847 inclusive. Commencing with January 1848, the same number, or occasionally a greater number, of partial determinations was made monthly; but instead of the Tuesdays and Fridays, the days of observation were the same as those in which the absolute values of the horizontal force were determined, namely, three days in every

month, usually the 16th, 17th, and 18th of the month. The Inclinometers employed were one of Gambey's and one of Robinson's of the same pattern as those of Gambey; both were circles of nine inches diameter; with these circles several needles were employed, all made by the same eminent artists: No. 1 (Robinson) from January 1841, to March 1844; O.S. 1 (Robinson) from March to June 1844; O.S. 2 (Robinson) from June 1844, to December 1845; G 1 (Gambey) from January to March 1846; R 1 (Robinson) from April 1846 to April 1847; R 1 (with a new axle) May to August 1847; and R 2 (Robinson) from September 1847 to the most recent date.

That there may have been small instrumental differences affecting results obtained with so many different instruments, and that the intercomparability of the results might have been more perfect if the same circle and needle had been used throughout, is very possible. The needle to which there appears most reason to ascribe a small difference from the others, is G 1 of Gambey. G 1 was compared with G 2, a second needle by the same excellent artist, and with O.S. 2, one of Robinson's, by a number of determinations, made expressly with the three needles, on different days during the months of November and December 1845; the results were as follows:—

G. 1. (Gambey.)		O S. 2. (Robinson)				G. 2. (Gambey).	
1845	° ′	1845	° ′	1845	° ′	1845	° ′
Nov. 7	75 14·9	Nov. 7	75 15·5	Nov. 18	75 15·7	Nov. 13	75 11·4
8	75 12·6	7	75 16·1	21	75 17·3	14	75 15·2
13	75 12·7	13	75 15·1	Dec. 2	75 18·4	15	75 13·8
14	75 12·5	13	75 14·8	2	75 17·7	17	75 15·3
15	75 12·8	14	75 22·2	6	75 18·4	17	75 17·8
18	75 16·3	14	75 14·2	6	75 17·1	21	75 16·5
18	75 14·6	14	75 12·9	16	75 15·1	Dec. 2	75 18·1
Dec. 6	75 14·9	17	75 15·2	16	75 19·8	2	75 16·8
15	75 12·7	17	75 15·4	17	75 15·1	6	75 15·2
16	75 15·4	18	75 16·6	17	75 15·4	15	75 17·7
17	75 13·1					16	75 17·3
				Mean	75 16·40	17	75 15·2
Mean	75 13·86					18	75 14·7
						Mean	75 15·77

The mean results with O.S. 2 and G 2 differ only 0′·63; the probable error of the mean result with O.S. 2, is ± 0′·12, and with G 2, is ± 0′·11. The mean result with G 1 differs from G 2 by 1′·91; and from O.S. 2, by 2′·54. On the strength of this comparison 2′·2 have been added to each of the monthly results obtained with G 1, in the three months during which it was employed. It is probable that there was some slight imperfection in the curvature of the axle of this needle in the part on which it rested at Toronto.

The observations of the Inclination from their commencement to the end of 1842 are recorded in detail in the first volume of the Toronto Observations, pp. 328-332;

those from January 1843 to December 1851 will be found in the latter part of the present volume. The following table exhibits in one view the mean monthly results in the twelve years comprised between January 1841 and December 1852.

TABLE L.

Monthly Means of the Observations of the Inclination from January 1841 *to December* 1852, *inclusive.*

MONTHS.	1841	1842	1843	1844	1845	1846	1847	1848	1849	1850	1851	1852	Means for each Month.	$\theta' - \theta$
	° 75+	° 75+	° 75+	° 75+	° 75+	° 75+	° 75+	° 75+	° 75+	° 75+	° 75+	° 75+		
January .	16′2	17′9	14′5	15′4	18′4	*16′1	15′0	20′3	19′5	19′ 9	21′6	19′3	75° 17′84 = θ'	+0′ 64
February .	13′6	16′1	15′2	15′7	19′5	*16′4	15′2	18′7	18′1	18′7	20′0	19′4	75 17′22 = θ'	+0′02
March . .	16′7	18′0	14′1	14′5	14′5	*16′0	16′3	17′2	16′7	18′0	21′5	19′6	75 16′92 = θ'	−0′28
April . .	16′1	19′0	13′3	13′2	11′5	14′3	15′9	18′0	18′4	10′7	21′9	20′0	75 16′77 = θ'	−0′43
May . . .	16′5	17′0	14′4	12′5	15′4	14′4	16′1	17′2	18′4	19′5	20′0	20′8	75 16′85 = θ'	−0′35
June. . .	16′8	11′7	13′4	11′6	15′2	14′8	13′0	16′8	18′5	19′1	20′7	20′8	75 16′03 = θ'	−1′17
July . . .	14′3	16′1	14′5	10′1	14′2	14′0	11′6	16′4	18′0	19′9	19′0	19′9	75 15′67 = θ'	−1′53
August. .	13′9	16′3	14′8	9′8	14′4	14′4	12′6	19′0	19′3	18′4	19′8	20′0	75 16 06 = θ'	−1′11
September	18′8	14′9	15′3	17′7	16′6	15′7	15′4	17′3	21′6	21′0	20′8	21′6	75 18′06 = θ'	+0′86
October .	18′9	16′1	14′5	17′9	14′3	15′4	17′6	19′0	20′6	21′8	20 0	22′2	75 18′19 = θ'	+0′99
November.	17′9	17′3	16′8	20′3	16′8	15′0	17′9	19′4	20′1	21′3	20′4	21′3	75 18′71 = θ'	+1′51
December.	17′9	16′2	15′7	19′0	15′2	15′1	16′8	20′6	18′1	22′5	19′4	21′2	75 18′14 = θ'	+0′94
Means for each Year	16′6	16′4	14′7	14′8	15′5	15′1	15′3	18′3	18 8	20′0	20′4	20′5	75 17′20 = θ	

* 2′·2 added for index error, page lxxxvi.

Annual Variation.—The values in the column entitled $\theta' - \theta$, which are the differences between the mean Inclination in the whole period and the means of the several months include the joint effects of annual variation and secular change. As the annual amount of secular change is very small, it may be eliminated by an approximate value, derived in the usual manner from the mean inclination in the several years from 1841 to 1852, placed in the bottom line of Table L. These give an annual increase of 0′·51, or a monthly increase of 0′·042; and the values of $\theta' - \theta$, corrected in proper proportion for this amount of secular change, become as follows:—

January . . .	+0′·64	+0′·23	= +0′·87	July	−1′·53	−0′·02	= −1′·55
February . . .	+0·02	+0·19	= +0·21	August . . .	−1·14	−0·06	= −1·20
March . . .	−0·28	+0·15	= −0·13	September . .	+0·86	−0·11	= +0·75
April	−0·43	+0·11	= −0·32	October . . .	+0·99	−0·15	= +0·84
May	−0·35	+0·06	= −0·29	November . .	+1·51	−0·19	= +1·32
June	−0·17	+0·02	= −1·15	December . .	+0·94	−0·23	= +0·71

The annual variation which these results indicate may perhaps be not unfitly represented by the first term of the usual formula for periodical functions $\theta' = \theta + u \sin (a + U)$, in which θ' is the Inclination at the required period x, θ the mean Inclination in the year, $a = 30° \times n$, in which n denotes the interval in time in months and parts

of a month between x and the 15th of January, and u and U are constants obtained from the results in the usual manner. This formula becomes in the present case—

$$\theta_x = 75^\circ\ 17'{\cdot}2 - 1'{\cdot}11 \sin (a + 302^\circ{\cdot}1);$$

whence the mean inclination in the several months, and the annual variation, are as follows:—

January	75° 18′·14	and the Annual Variation	+ 0′·94
February	75 17·72	,, ,,	+ 0·52
March	75 17·16	,, ,,	− 0·04
April	75 16·61	,, ,,	− 0·59
May	75 16·22	,, ,,	− 0·98
June	75 16·09	,, ,,	− 1·11
July	75 16·26	,, ,,	− 0·94
August	75 16·69	,, ,,	− 0·52
September	75 17·24	,, ,,	+ 0·04
October	75 17·79	,, ,,	+ 0·59
November	75 18·18	,, ,,	+ 0·98
December	75 18·31	,, ,,	+ 1·11

Or, a maximum of north inclination in December, and a minimum in June, being the two solstitial months; with a total range of annual variation from the one solstice to the other of 2′·22.

Secular Change.—From the intercomparison of the mean inclination in the several years shown in the bottom line of Table L., we have to seek the character and amount of secular change during the period comprised by the observations. On a first inspection of the values of the inclination in the years from 1841 to 1852 inclusive, we might be led to infer that in 1843 or 1844 the secular change at Toronto reached a turning epoch; and that, from having been previously a decrease, it became subsequently an increase of inclination. It is possible, however, that the facts may admit, and may hereafter receive, a different explanation. It has been shown in the analysis of the larger disturbances of the *Declination*, that the aggregate value of the easterly disturbances at Toronto preponderates over that of the westerly disturbances, and consequently that the mean Magnetic Declination in the year must have, as one of its constituents, a small but appreciable easterly element, due to the greater prevalence of easterly disturbances. If the disturbances took place in every year to the same, or nearly to the same, amount, and always maintained the same proportion of easterly and westerly deflections, their influence on the mean magnetic direction would be a constant quantity in all years; but if, on the other hand, the amount of disturbance in different years be subject to a periodical variation, affecting the aggregate amount of disturbance, but not materially affecting the proportion of its easterly and westerly constituents, the absolute Declination at Toronto must be subject to a periodical variation not hitherto taken into account, having epochs corresponding to those which have

was found to exist in the disturbances. Such a variation might be expected to show itself on a sufficient continuance of careful observation, and might be separated thereby from the secular change, which, until this variation were so determined and separated, would appear to be affected by a corresponding irregularity. An analysis of the larger disturbances of the *Inclination*, similar to that of the larger disturbances of the Declination, has not yet been made; but a very cursory examination of the registries of the Horizontal and Vertical Force Magnetometers is sufficient to show that the disturbances of the Inclination and Total Force are subject to a periodical variation, similar to that which has been found to affect the Declination disturbances, with alternate epochs of maximum and minimum, at intervals of about five years. If at Toronto the aggregate effect of the disturbances be to increase the Inclination, and if 1843–1844 be an epoch of minimum, and 1848–1849 an epoch of maximum disturbance, the periodical augmentation of the Inclination due to the disturbance should be a minimum also in 1843 or 1844, and a maximum in 1848 or 1849. Until the amount of the augmentation due to this cause, and its periodical variation, be ascertained and eliminated in the inquiry respecting *secular change*, the secular change itself will appear to be affected by an irregularity, not altogether dissimilar in character to that which is presented by the mean Inclinations in the bottom line of Table L. The train of inquiry which has been thus indicated may perhaps be more advantageously pursued when the disturbances of the Inclination shall have been analysed, as those of the Declination have been: in the meantime, considering the small amount of the apparent irregularities, together with the variety of needles employed in the observations of the different years, and the consequent possibility of defective intercomparability, we may perhaps take as the best present approximation, such an uniform increase of Inclination from secular change, during the whole period, as may best satisfy the means of the several years. The secular change in this view is an annual increase of 0′·51.

HORIZONTAL FORCE.

In Absolute Measure.—The monthly series of absolute determinations of the Horizontal Force commenced in January 1845; they were made with a deflecting magnet of 3·67 inches in length, and a suspended magnet of 3 inches, both being solid cylinders of 0·3 inch diameter. The same magnets were used throughout the series. The observations were made about the same period in every month, usually on the 16th, 17th, and 18th of the month. Three distances were employed, the least being 1 foot and the greatest 1·4 foot from the centre of the suspended magnet. The deflections were read on a circle of 6 inches diameter, having two verniers reading to 20″. The reading telescope was attached to and moved with the azimuth circle; the deflecting magnet was therefore always perpendicular to the suspended magnet when the deflections

caused by the latter were read off. The deflecting magnet was suspended for vibration in a stirrup with a mirror, in a detached wooden box, by a silk thread of which the line of detorsion was brought approximately into the magnetic meridian. Concurrent readings were taken with the Observatory Bifilar, furnishing the means of reducing the results of each of the absolute determinations to the mean Horizontal Force of the month in which it was made. The details of the observations, with an explanatory memorandum drawn up by Captain Younghusband, are given in the latter part of this volume. As *absolute* determinations, the results can only yet be considered as provisional, as the exact values of the distances between the centres of the suspended and deflecting magnets, and of the constants of inertia and of induction, have to be finally determined with the new standard scale and weights on the return of the Unifilar to England, which will shortly take place: but as the mutual relation of the results will be unaffected by slight changes in the constants common to the whole series, we may proceed to employ them at once in the theoretical deductions to which a body of results *relatively* correct may be applicable.

Collecting in one view the mean monthly determination of the Horizontal Force in the eight years from January 1845 to December 1852 inclusive, we have the values in the following Table:—

TABLE LI.

Monthly Means of the observed Values of the Horizontal Force in absolute measure from January 1845 *to December* 1852 *inclusive.*

MONTHS.	1845	1846	1847	1848	1849	1850	1851	1852
January . . .	3·5397	3·5419	3·5384	3·5279	3·5272	3·5223	3·5195	3·5225
February . . .	3·5392	3·5341	3·5336	3·5261	3·5270	3·5265	3·5207	3·5185
March . . .	3·5437	3·5406	3·5315	3·5323	3·5277	3·5278	3·5235	3·5182
April	3·5395	3·5376	3·5308	3·5305	3·5300	3·5312	3·5233	3·4986
May	3·5411	3·5357	3·5320	3·5320	3·5340	3·5333	3·5292	3·5069
June	3·5463	3·5379	3·5350	3·5270	3·5328	3·5319	3·5264	3·5013
July	3·5403	3·5407	3·5323	3·5306	3·5350	3·5210	3·5251	3·5055
August . . .	3·5405	3·5344	3·5352	3·5305	3·5350	3·5192	3·5240	3·5103
September . .	3·5402	3·5322	3·5280	3·5277	3·5333	3·5159	3·5263	3·5079
October . . .	3·5412	3·5308	3·5278	3·5254	3·5253	3·5223	3·5194	3·5068
November . .	3·5370	3·5309	3·5274	3·5206	3·5288	3·5312	3·5245	3·5073
December . .	3·5407	3·5369	3·5315	3·5241	3·5275	3·5233	3·5219	3·5067
Annual Means.	3·5408	3·5361	3·5320	3·5279	3·5303	3·5255	3·5237	3·5092

On examining the results in Table LI., we may at once perceive thatthere are irregularities in 1852 which much exceed those of any of the preceding years. The mean monthly value of the Force in April 1852, for example, differs from that of the preceding month by ·0196, a quantity which is much greater than the difference between any two months whatsoever in any of the preceding years; it is equivalent to a change in the Inclination of about 4′·5, whilst the direct observations recorded in Table L. show that no greater difference took place in the Inclination between the months of March

and April 1852 than 0′·4. Again, the *mean* Horizontal Force in the year 1852, in Table LI., differs ·0145 from the amount in 1851, which is equivalent to 3′·7 of Inclination; whilst in Table L. the difference between 1851 and 1852 is shown by direct observation to have been not more than 0′·1. The Horizontal Force observations for 1852 have only recently been received at Woolwich, and it is possible that inquiries which have been instituted may lead to the discovery of the existence of some accidental cause for the unprecedented irregularities in 1852. In the meantime it appears the more safe course to confine the discussion of the results for the present to the seven years from 1845 to 1851 inclusive.

Secular Change.—From the annual means (1845 to 1851) in Table LI., we obtain 3·5309 as the most probable value (subject to the final correction of the constants as above mentioned) of the Horizontal Force in the middle of the year 1848; and a decrease of ·0026 as the mean annual secular change in those years. If we assume that no secular change exists in the total force at Toronto, and that the secular change in the Horizontal Force is consequently wholly due to that of the Inclination, an annual decrease of ·0026 will be equivalent to an annual increase of 0′·67 in the Inclination: the actual annual increase derived in page lxxxvii. from the direct observations of the Inclination between 1841 and 1852 is 0′·51.

Annual Variation.—The mean monthly values of the Horizontal Force in the seven years from 1845 to 1851, inclusive, with the corrections necessary to eliminate the influence of an annual secular decrease of ·0026, are as follows:—

	Monthly Means.	Corr. for Secular Change.	Monthly Means Corrected.		X′−X
January . . .	3·5310	− ·0012	3·5298	= X′;	− ·0011
February . . .	3·5296	− ·0010	3·5286	= X′;	− ·0023
March . . .	3·5324	− ·0008	3·5316	= X′;	+ ·0007
April	3·5318	− ·0005	3·5313	= X′;	+ ·0004
May	3·5339	− ·0003	3·5336	= X′;	+ ·0027
June	3·5339	− ·0001	3·5338	= X′;	+ ·0029
July	3·5321	+ ·0001	3·5322	= X′;	+ ·0013
August . . .	3·5313	+ ·0003	3·5316	= X′;	+ ·0007
September . .	3·5291	+ ·0005	3·5296	= X′;	− ·0013
October . . .	3·5275	+ ·0008	3·5283	= X′;	− ·0023
November . .	3·5286	+ ·0010	3·5296	= X′;	− ·0013
December . . .	3·5294	+ ·0012	3·5306	= X′;	− ·0003
			3·5309	= X.	

The values of X′—X show the quantities by which the observed Horizontal Force in the several months exceeds or falls short of the mean force in the year. These quantities may be represented (as in the case of the annual variation of the Inclination, page lxxxvii) by the first term of the usual formula, which here becomes X, = 3·5309 + ·002 sin (a + 312′·1), a being reckoned from the 15th of January. This formula gives a minimum of force in December, and a maximum in June, with a total range

from the one solstice to the other of ·0038. The range of the annual variation of the Inclination between December and June (2′·22) is equivalent, in the resolution of the total force into its Horizontal and Vertical components, to ·0087 of Horizontal Force; and the Inclination being greatest in December and least in June, the Horizontal Force in conformity therewith should be ·0087 greater in June than in December. By the observations it appears, however, that the excess in June over December is not more than ·0038; we may therefore infer the probable existence of an annular variation of the total force compensating the difference; the total force being greater at the time of the December, than at the time of the June solstice. This will be more distinctly shown by a combination of the septennial mean monthly values of the Inclination and Horizontal Force, producing the mean monthly values of the Total Force.

Annual Variation of the Total Force.—From the mean monthly values of the Horizontal Force (1845 to 1851) in Table LI., and from those of the Inclination for the same years in Table L., we obtain the following mean monthly values of the total force:—

January	. . .	3·5310	×	*sec*	75°	18′·7	= 13·926
February	. . .	3·5296	×	*sec*	75	18·1	= 13·911
March	. . .	3·5324	×	*sec*	75	17·2	= 13·908
April	. . .	3·5318	×	*sec*	75	17·1	= 13·904
May	. . .	3·5339	×	*sec*	75	17·3	= 13·915
June	. . .	3·5339	×	*sec*	75	16·9	= 13·909
July	. . .	3·5321	×	*sec*	75	16·2	= 13·891
August	. . .	3·5313	×	*sec*	75	16·8	= 13·897
September	. .	3·5291	×	*sec*	75	18·3	= 13·913
October	. . .	3·5275	×	*sec*	75	18·4	= 13·908
November	. .	3·5286	×	*sec*	75	18·7	= 13·916
December	. .	3·5294	×	*sec*	75	18·2	= 13·912
Mean of the Year	. . . . .						13·909

The differences between the mean force in the year and its mean monthly values include the joint effects of secular change and annual variation. In respect to the secular change, the observations of the Inclination and of the Horizontal Force in the years 1845 to 1851 furnish the mean values of the total force in each year as follows:—

Years.						
1845	3·5408	×	*sec*	75°	15′·5	= 13·915
1846	3·5361	×	*sec*	75	15·1	= 13·890
1847	3·5320	×	*sec*	75	15·3	= 13·877
1848	3·5279	×	*sec*	75	18·3	= 13·907
1849	3·5303	×	*sec*	75	18·8	= 13·924
1850	3·5255	×	*sec*	75	20·0	= 13·924
1851	3·5237	×	*sec*	75	20·4	= 13·923

It would be unsafe to make any more precise conclusions from these results than that the secular change of the total force at Toronto, at the epoch of the observations, must have been extremely small; and that it would require a longer continuance of

the observations to determine either its average annual amount, or even whether the force were increasing or decreasing. It is not impossible that the variations of the total force in different years arising from the greater or less predominance of the phenomena characterized as "Disturbances," may bear a large proportion to, or may even exceed, the progressive variation due to secular change, where the latter is so extremely small: in such case one complete cycle of the disturbance-variations (or 10 years) would be the minimum from which any satisfactory conclusion respecting the secular change could be drawn. Whatever may be its amount, however, or its direction, it may be eliminated (on the hypothesis of its being a uniform progression) by combining together the months equi-distant from the middle period of the year. We have thus:—

January and December;	Mean	13·9190 = ϕ';	$\phi'-\phi$	=	+·0100
February and November;	,,	13·9135 = ϕ';	,,	=	+·0045
March and October;	,,	13·9080 = ϕ';	,,	=	−·0010
April and September;	,,	13·9085 = ϕ';	,,	=	−·0005
May and August;	,,	13·9060 = ϕ';	,,	=	−·0030
June and July;	,,	13·9000 = ϕ';	,,	=	−·0090
Mean of the Year . . .		13·909 = ϕ.			

Confirming the previously drawn inference that the Total Force at Toronto is least about the time of the June solstice, and greatest about the time of the December solstice; the numerical difference in its value at the two solstices is approximately ·0190 in absolute measure; whence we may finally conclude that the total force is nearly two thousandth parts of its whole amount greater in December and January, when the earth is nearest to the sun, than in June and July, when the earth is most distant from the sun. The conclusions thus drawn in regard to the annual variations of the Inclination and Total Force are to the same effect as those derived from the more limited sources discussed in the Phil. Trans., p. 1850, Art. IX.

Disturbances unaccompanied by Changes in the Mean Readings of the Magnetometers.—In Part I. (published in 1843) of the volume of "Observations on Days of Unusual Magnetic Disturbance," it was noticed that besides the disturbances which it was the object of that volume to record, characterized by changes in the mean readings of the magnetometers, the magnets were sometimes observed to be disturbed without any notable displacement in their mean position. Disturbances of this class manifest themselves by the magnets being perceived to vibrate in arcs sometimes of smaller and sometimes of larger extent, the vibration being maintained by a succession, at intervals, of slight shocks or impulses, by which, however, the *mean* readings of the magnetometer were not affected. The times of observation in 1841, at which disturbances of this particular character were noticed, were published in 1843, in the volume referred to; a continuation of the record for the years 1842, 1843, 1844, and 1845, will be found in pp. 550 to 557 of the present volume.

ADJUSTMENTS, ABSTRACTS, AND COMMENTS.

METEOROLOGICAL INSTRUMENTS.

ADJUSTMENTS, ABSTRACTS, AND COMMENTS.

METEOROLOGICAL INSTRUMENTS.

The meteorological instruments remained in the situations described in Volume I. p. lxxiv. until the end of 1844, when, for the purpose of still further improving their position, the standard and wet thermometers were removed from the angle formed by the exterior wall of the principal room of the Observatory and that of one of the smaller apartments, to a situation prepared for them on the outside and near the middle of the north wall of the principal apartment. An opening made in the wall was fitted with a sliding glass window (through which the thermometers were read), having a wooden shutter on the Observatory side, which was kept closed except at times when observations were made. The thermometers were attached to horizontal strips of wood (leaving the balls perfectly free), about five feet above the ground, six inches on the outside of the wall, and two feet distant from the shutter, having the window intermediate. In this position they were protected by a double projecting roof, and by double enclosures on the east, west, and north sides (the Observatory wall being on the south side), of Venetian blind shutters, descending to within four feet of the ground. The length of the exterior shutter on the north side was 7 feet, and on the east and west sides 5 feet 4½ inches. The space between the exterior and interior roofs and shutters was from one to one and a-half feet. The slope of the blinds of shutters was such as to admit a free current of air, while it completely screened the thermometers from rain.

An accident having happened to the standard thermometer furnished by Newman, mentioned in Vol. I., one of two thermometers made by Adie of Liverpool under Dr. Apjohn's superintendence, which, agreeing remarkably well with each other, had been employed as wet and dry thermometers, was adopted as the standard, and was always used as such except from March to December 1845, and on some few other occasional instances, in all of which corrections carefully ascertained were applied to give the values which would have been read by Adie's standard. The record of the standard thermometer in Vols. I. and II., *i. e.*, from 1841 to December 1845, is therefore throughout according to the scale of this instrument, viz., Adie No. 2.

Circumstances having led Captain Lefroy to doubt the perfect accuracy of the thermometer which had been thus employed as a standard, and the Observatory at Kew not having then undertaken, as it has since done, the construction of standard meteorological instruments, a thermometer was procured through the good offices of M. Regnault, which had been graduated under his superintendence in arbitrary divisions of perfectly equal *thermometric* value. The divisions corresponding to the freezing and boiling points 0° and 100° Centesimal, 32° and 212° Fahrenheit, had been found by the maker, Fastré of Paris, in a preliminary experiment, to be 115·7 and 617·7

divisions; a repetition of the experiment, at Paris in 1851, by Captain Lefroy and M. Izard, gave 115·5 and 617·6 divisions. The experiment repeated at Toronto in January 1852 gave as follows:—

Freezing Point.			
		Div.	
January	13	116·12	
,,	14	116·00	
,,	22	116·30	
,,	28	116·22	before boiling.
,,	28	116·10	after boiling.
		116·14	

Boiling Point.				
		Div.	Barom. Mms.	Div.
January	5	614·60	743·055	617·76
,,	12	616·55	755·136	617·45
,,	13	614·00	740·866	617·57
,,	28	614·10	738·530	618·12
				617·72

whence 116·14 $Div_{ns.}$ = 0 Cent. = 32° Fah^{t}.; and 617·72 $Div_{ns.}$ = 100° Cent. = 212° Fah^{t}.; or 1° Cent. = 5·0158, and 1° Fah^{t}. = 2·7865 divisions.

This last value has been employed in the comparison in preference to the original determination at Paris, from which, however, the difference is extremely small.

The two thermometers, Adie 2 and Fastré, were suspended side by side, and simultaneous readings were made at all actual temperatures that occurred between April 1851, and March 1852; the readings were at first taken with the eye alone, and subsequently with the assistance of a telescope. The comparisons have been grouped under every degree of Fahrenheit between −3°·0 and +82°, and the mean difference under each degree taken as the correction of Adie 2 at that temperature; the correction for each degree was obtained on the average from about twenty comparisons. The corrections required for the few degrees above 82°, and below −3° have been added by a graphical extension.

Table LII.

Corrections to reduce Scale Readings of Thermometer, Adie 2, to absolute temperatures.

Scale of Therm^{r}.	Correction for Adie 2.	Scale of Therm^{r}.	Correction for Adie 2.	Scale of Therm^{r}.	Correction for Adie 2.	Scale of Therm^{r}.	Correction for Adie 2.	Scale of Therm^{r}.	Correction for Adie 2.	Scale of Therm^{r}.	Correction for Adie 2.
85	−0·34	67	−0·50	49	−0·46	32	−0·14	15	−1·02	− 2	−1·62
84	−0·34	66	−0·47	48	−0·48	31	−0·18	14	−1·09	− 3	−1·63
83	−0·34	65	−0·45	47	−0·49	30	−0·24	13	−1·16	− 4	−1·64
82	−0·34	64	−0·44	46	−0·48	29	−0·30	12	−1·20	− 5	−1·67
81	−0·32	63	−0·45	45	−0·46	28	−0·36	11	−1·28	− 6	−1·70
80	−0·30	62	−0·45	44	−0·43	27	−0·41	10	−1·32	− 7	−1·72
79	−0·30	61	−0·47	43	−0·40	26	−0·47	9	−1·37	− 8	−1·75
78	−0·33	60	−0·50	42	−0·35	25	−0·51	8	−1·42	− 9	−1·76
77	−0·40	59	−0·50	41	−0·28	24	−0·56	7	−1·45	−10	−1·80
76	−0·50	58	−0·48	40	−0·21	23	−0·60	6	−1·49	−11	−1·82
75	−0·54	57	−0·46	39	−0·15	22	−0·65	5	−1·50	−12	−1·84
74	−0·52	56	−0·46	38	−0·12	21	−0·70	4	−1·50	−13	−1·86
73	−0·51	55	−0·44	37	−0·10	20	−0·75	3	−1·53	−14	−1·89
72	−0·51	54	−0·42	36	−0·10	19	−0·79	2	−1·56	−15	−1·90
71	−0·50	53	−0·42	35	−0 10	18	−0·82	1	−1·58	−16	−1·92
70	−0·50	52	−0·42	34	−0·10	17	−0·88	0	−1·60	−17	
69	−0·50	51	−0·43	33	−0·11	16	−0·95	−1	−1·62	−18	
68	−0·50	50	−0·44								

The record of the wet thermometer in Vols. I. and II., from 1841 to December 1845, is in terms of the scale of Adie 2, and is consequently affected by the inaccuracies of that thermometer at different points of its scale. The mean monthly values of the wet thermometer in Table LV. of this volume, pp. cviii. to cxi., have been corrected for these inaccuracies, and are therefore true temperatures, and strictly comparable with the mean monthly values of the standard thermometer in Table LIII. pp. c. to ciii. The following Tables, LIII. to LVII., contain the monthly mean values of Fastré's standard thermometer, of the barometer, wet thermometer, and of the humidity and tension, from July 1842 to June 1848 inclusive :—

TABLE LIII.—*Monthly Means of the Temperature for every hour of Mean*

Mean Toronto Astronomical Time		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.
		°	°	°	°	°	°	°	°	°	°	°
JANUARY.	1843	30·9	31·4	31·6	31·5	31·1	30·1	29·2	28·9	28·9	28 9	28·7
	1844	21·9	22·5	23·1	23·1	22·9	22·1	21·3	20·8	20·4	20·4	20·0
	1845	29·0	29·3	29·6	29·5	28·8	27·7	26·9	26·5	25·8	25·4	24·9
	1846	28·5	29·3	29·6	29·8	29·4	28·7	28·1	27·4	27·3	26·9	26·3
	1847	25·9	26·2	26·1	25·5	24·9	23·8	23·1	22·5	22·2	22·1	22·0
	1848	30·8	31·3	31·6	32·0	31·2	29·9	28·8	28·1	27·7	27·4	26·9
Hourly Means		27·83	28·33	28·60	28·57	28·05	27·05	26·23	25·70	25·38	25·18	24·80
FEBRUARY.	1843	19·0	20·0	20·5	20·5	20·0	19·0	17·5	16·1	15·3	14·2	13·4
	1844	30·4	31·5	32·1	32·5	31·7	30·5	28·4	27·5	26·4	25·7	25·0
	1845	29·3	29·5	30·0	29·7	29·3	28·2	27·4	27·1	26·3	26·3	26·3
	1846	26·2	26·7	27·0	27·0	26·3	25 2	23·8	22·8	21·7	20·7	20·4
	1847	26·1	27·5	27·7	27·7	27·1	25·8	24·8	23·7	23·0	22·6	21·6
	1848	31·4	32·4	32·7	32·5	32·2	30·7	28·8	27·6	27·0	26·3	25·8
Hourly Means		27·07	27·93	28·33	28·32	27·77	26·57	25·12	24·13	23·28	22·63	22·08
MARCH.	1843	26·2	27·2	27·6	27·7	27·3	26·7	24·3	22·9	21·9	20·8	19·8
	1844	34·6	35·6	36·4	36·2	35·7	35·3	33·9	32·6	31·6	30·7	30·3
	1845	40·3	40·8	41·4	40·4	40·4	39·1	37·5	36·5	35·8	34·8	34·2
	1846	38·1	38·6	38·8	38·6	37·9	37·2	36·0	34·0	32·9	31·8	31·3
	1847	31·3	31·6	32·2	32·0	31·4	30·8	29·0	27·7	26·9	25·8	24·8
	1848	33·5	34·1	34·9	35·2	34·6	33·7	32·0	30·2	29·0	28·2	27·8
Hourly Means		34·00	34·65	35·22	35·02	34·55	33·80	32·12	30·65	29·68	28·68	28·03
APRIL.	1843	45·4	46·2	47·0	47·1	47·4	46·8	44·4	41·7	40·7	39·8	38·8
	1844	53·2	55·4	56·1	56·6	55·7	55·5	53·2	49·9	46·5	45·0	43·9
	1845	46·6	47·1	47·3	47·5	46·9	46·3	44·7	42·7	41·7	40·5	39·8
	1846	49·0	50·1	50·6	50·5	50·1	48·7	47·1	44·6	42·9	41·8	41·4
	1847	44·9	45·2	45·3	45·2	44·8	43·8	41·7	39·4	38·5	37·6	36·8
	1848	46·1	46·8	46·8	46·6	46·3	45·7	44·9	42·5	41·0	40·1	39·5
Hourly Means		47·53	48·47	48·85	48·92	48·53	47·80	46·00	43·47	41·88	40·80	40·03
MAY.	1843	54·0	55·5	56·0	57·0	57·6	57·4	54·9	51·4	48·1	46·2	45·0
	1844	59·9	61·4	61·5	61·4	61·4	61·9	59·6	56·0	53·6	52·0	50·9
	1845	56·3	57·0	57·5	57·6	57·8	57·3	56·1	53·1	50·1	47·3	45·9
	1846	60·8	61·7	62·1	61·9	61·9	61·2	60·2	57·9	55·0	53·0	52·7
	1847	61·0	61·4	62·1	61·9	61·2	60·6	58·9	56·3	54·8	53·2	52·4
	1848	60·8	61·3	61·2	61·0	60·6	59·8	58·0	55·8	53·6	52·0	51·0
Hourly Means		58·80	59·72	60·07	60·13	60·08	59·70	57·95	55·08	52·53	50·62	49·65
JUNE.	1843	63·5	64·5	65·5	66·2	66·7	66·1	65·3	62·5	59·2	57·0	55·4
	1844	65·2	66·5	67·7	68·4	68·9	69·6	67·9	64·3	59·7	57·1	55·7
	1845	67·1	67·8	67·8	67·9	68·4	68·2	66·3	64·1	60·5	58·5	57·2
	1846	69·1	69·7	69·8	69·8	70·1	70·1	68·5	65·6	62·6	60·5	59·3
	1847	64·4	64·8	64·6	64·8	64·7	62·8	62·8	60·1	57·9	56·0	55·0
	1848	70·0	70·4	70·8	71 4	71·1	69·5	67·7	65·5	62·4	60·2	58·7
Hourly Means		66·55	67·28	67·70	68·08	68·32	67·72	66·42	63·68	60·38	58·22	56·88

Solar Time, from July 1842 to June 1848, inclusive.

9h.	10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means of the 24 Hours.
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
28·9	28·7	28·3	26·7	26·4	26·6	26·3	26·4	26·5	26·4	26·2	26·5	27·4	28·6	30·2	28·49
20·4	20·0	19·5	19·2	18·1	17·8	17·7	17·7	17·4	17·9	17·7	18·0	18·8	19·5	20·8	19·94
25·4	24·9	24·6	24·2	24·1	24·2	24·0	23·9	23·7	23·6	25·1	25·3	25·9	27·2	28·1	26·22
26·9	26·3	25·8	25·4	24·8	24·0	23·8	23·3	23·0	23·6	23·8	24·0	25·0	26·7	27·8	26·35
22·1	22·0	22·1	22·1	21·5	21·7	21·5	21·5	21·3	21·8	22·0	22·1	23·2	24·6	25·5	23·13
27·4	26·9	26·6	25·2	25·1	25·2	25·3	25·2	25·0	26·0	25·9	26·2	27·6	28·7	29·9	27·82
25·18	24·80	24·48	23·80	23·33	23·25	23·10	23·00	22·82	23·55	23·45	23·68	24·65	25·88	27·05	25·32
14·2	13·4	12·7	12·4	12·1	11·9	11·9	11·6	11·0	10·6	10·4	11·4	13·3	15·5	17·5	14·91
25·7	25·0	24·8	26·4	26·3	26·2	25·9	25·7	25·3	23·7	23·3	24·0	25·7	27·4	29·1	27·31
26·3	26·3	26·6	27·0	26 6	26·1	25·2	24·8	24·3	23·2	23·0	23·9	25·7	27·1	28·1	26·71
20·7	20·4	19·4	18·1	17·6	17·2	16·1	15·6	15·0	15·0	15·7	16·8	20·5	23·2	24·8	20·95
22·6	21·8	20·7	20·1	20·0	19·6	19·7	19·6	19·3	19·3	18·7	19·8	21·6	23·6	25·3	22·70
26·3	25·8	25·2	24·7	23·8	23·4	23·0	22·7	23·0	22·7	22·6	23·9	26·8	28·9	30·4	27·02
22·63	22·08	21·57	21·45	21·07	20·73	20·30	20·00	19·65	19·08	18·95	19·07	22·27	24·28	25·87	23·27
20·8	19·8	18·9	18·8	18·2	17·9	17·6	17·3	16·9	16·6	17·2	19·3	21·2	23·5	25·0	21·70
30·7	30·3	30·1	30·2	29·5	28·9	28·4	28·1	27·8	28·1	28·4	29·3	31·1	32·5	33·5	31·62
34·8	34·2	33·4	33·6	33·1	32·7	32·4	31·9	31·9	30·9	32·1	34·3	36·4	38·1	39·1	35·88
31·8	31·3	30·8	30·8	30·8	30·6	30·4	29·8	29·7	29·1	30·5	32·7	35·4	36·9	37·8	33·77
25·8	24·8	24·0	24·3	23·8	23·4	22·9	22·5	21·8	21·7	22·3	24·6	26·9	28·7	30·4	26·70
28·2	27·8	27·1	26·3	25·7	25·3	25·4	25·2	24·8	23·6	24·7	26·9	29·1	30·8	32·1	29·18
28·68	28·03	27·38	27·33	26·85	26·47	26·18	25·80	25·48	25·00	25·87	27·85	30·02	31·75	32·98	29·81
39·8	38·8	38·3	38·4	37·4	37·0	36·5	36·2	35·8	35·9	37·3	39·3	40·8	42·5	44·0	41·03
45·0	43·9	43·7	43·6	42·9	42·3	41·4	41·1	40·8	40·1	42·8	45·6	48·1	50·0	51·6	47·71
40·5	39·8	39·8	38·9	38·4	37·5	37·3	37·1	37·0	38·0	39·7	41·4	43·6	44·9	46·0	42·11
41·8	41·4	40·8	40·4	40·7	39·7	38·8	38·8	38·6	38·5	41·4	43 6	45·2	46·7	48·2	44·09
37·6	36·8	36·2	36·9	36·4	36·0	35·7	35·4	35·1	34·8	36·9	39·0	41·2	42·4	43·9	39·71
40·1	39·5	38·4	38·0	37·3	36·7	35·8	35·3	34·4	35·2	38·1	40·8	42·7	44·2	45·3	41·19
40·80	40·03	39·53	39·37	38·85	38·20	37·58	37·32	36·95	37·08	39·37	41·62	43·60	45·12	46·50	42·64
46·2	45·0	44·2	44·5	43·9	43·0	42·5	42·1	42·2	44·5	47·1	48·5	50·8	52·1	53·4	49·25
52·0	50·9	49·9	48·2	47·5	47·0	46·3	45·8	45·9	48·0	50·2	52·3	54·6	56·5	58·2	53·75
47·3	45·9	44·9	44·7	43·7	42·8	41·7	41·5	41·4	44·6	47·4	49·7	52·0	54·4	55·5	50·01
53·0	52·7	51·9	50·8	49·9	48·8	48·5	48·1	48·3	50·7	53·8	55·9	58·0	59·3	59·9	55·50
53·2	52·4	51·1	49·9	49·3	48·4	47·7	47·1	47·1	48·5	52·4	55·2	57·5	59·2	60·3	54·90
52·0	51·0	50·4	49·4	47·8	47·1	46·1	45·4	45·4	48·7	52·0	54·6	57·2	58·8	59·8	54·07
50·62	49·65	48·73	47·88	47·02	46·18	45·47	45·00	45·05	47·50	50·48	52·70	55·02	56·72	57·85	52·91
57·0	55·4	54·1	53·8	52·9	52·1	51·4	50·7	50·9	52·7	55·5	56·9	58·7	60·5	61·8	58·50
57·1	55·7	54·7	54·0	53·1	53·0	52·3	52·1	52·2	54·0	56·4	58·8	60·9	62·7	64·0	59·97
58·5	57·2	56·1	56·3	55·1	54·2	53·2	52·4	52·3	55·9	58·8	61·0	62·6	64·6	65·9	60·93
60·5	59·3	58·6	58·4	57·9	57·2	56·4	55·9	56·0	58·8	61·7	63·9	66·1	67·5	68·5	63·42
56·0	55·0	54·3	54·0	53·4	52·4	51·8	51·0	51·4	54·0	56·7	58·9	60·9	62·3	63 7	58·44
60·2	58·7	57·7	56·7	55·7	55·0	54·1	53·7	54·1	57·4	60·6	64·2	65·8	67·4	68·8	62·87
58·22	56·88	55·92	55·53	54·68	53·98	53·20	52·63	52·82	55·47	58·28	60·62	62·50	64·17	65·45	60·69

Monthly Means of the Temperature for every hour of Mean

Mean Toronto Astronomical Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.
		°	°	°	°	°	°	°	°	°	°	°
July.	1842	70·9	72·5	74·1	74·0	74·2	73·9	73·0	68·8	64·0	61·4	59·9
	1843	70·5	72·3	73·6	73·7	73·8	74·1	72·9	69·3	64·3	61·6	59·6
	1844	71·6	73·3	73·7	74·2	74·2	74·5	73·5	69·3	65·0	63·0	61·1
	1845	73·6	74·5	75·1	75·9	75·4	74·4	72·4	69·3	65·0	62·9	61·9
	1846	75·0	74·5	75·6	7·7	76·0	75·3	73·2	70·2	66·5	64·1	63·6
	1847	75·5	75·5	75·6	75·4	75·4	74·0	72·6	69·8	66·7	64·3	63·6
Hourly Means		72·85	73·77	74·62	74·82	74·83	74·37	72·93	69·45	65·25	62·88	61·65
August.	1842	70·8	71·9	72·6	73·6	73·6	73·4	71·5	66·8	63·9	62·4	61·7
	1843	72·7	74·1	75·2	75·5	75·9	75·3	73·6	68·2	64·6	62·8	61·9
	1844	69·6	70·5	71·0	71·7	71·7	71·8	69·3	65·8	62·5	61·0	60·2
	1845	74·3	74·7	75·7	75·7	75·5	74·6	72·7	69·1	66·2	64·6	62·8
	1846	75·1	75·4	75·3	75·5	75·2	74·5	72·6	69·3	67·1	65·4	64·5
	1847	71·3	71·8	72·1	72·0	71·2	70·2	68·7	65·3	62·7	61·3	60·3
Hourly Means		72·30	73·07	73·65	74·00	73·85	73·30	71·40	67·42	64·50	62·92	61·90
September.	1842	60·9	61·7	62·3	62·9	62·6	62·0	58·4	55·5	54·3	53·0	51·8
	1843	64·0	65·2	65·7	65·8	65·6	64·6	61·3	58·6	57·4	56·5	55·4
	1844	65·1	66·2	66·7	66·7	66·9	66·3	62·2	58·6	56·5	55·4	54·4
	1845	61·3	61·9	62·2	62·2	61·9	60·4	58·7	56·1	54·9	53·8	52·6
	1846	68·8	68·7	69·2	68·9	68·5	67·4	65·9	63·9	62·8	61·6	60·6
	1847	61·0	61·0	61·0	60·8	60·5	59·5	57·7	55·3	54·4	53·8	52·9
Hourly Means		63·52	64·12	64·52	64·55	64·33	63·37	60·70	58·00	56·72	55·68	54·62
October.	1842	51·2	51·9	52·5	52·4	51·4	49·6	46·9	45·8	44·8	43·7	42·7
	1843	46·5	46·8	47·3	46·9	46·0	44·5	42·5	41·5	41·0	40·6	39·9
	1844	48·7	49·2	49·8	49·8	49·2	47·1	44·8	43·7	42·8	42·3	41·4
	1845	51·9	52·2	52·2	52·0	51·3	49·3	47·2	46·0	45·2	44·9	44·5
	1846	49·4	50·1	49·9	49·5	49·1	47·6	45·8	44·7	44·2	43·1	42·2
	1847	49·3	49·4	50·0	49·7	48·9	47·3	45·9	44·8	44·1	42·9	42·3
Hourly Means		49·50	49·93	50·28	50·05	49·32	47·57	45·52	44·42	43·68	42·92	42·17
November.	1842	36·7	37·2	37·2	37·0	35·9	34·5	33·6	32·9	32·4	32·2	32·4
	1843	36·1	36·4	36·4	36·3	35·4	34·5	34·1	33·6	33·5	33·2	32·6
	1844	38·9	39·6	39·9	39·8	38·7	36·9	35·4	34·6	33·9	33·5	33·2
	1845	40·3	40·5	40·7	40·2	39·1	38·5	37·8	37·2	36·9	36·4	35·6
	1846	44·1	44·5	44·5	44·4	43·7	42·4	41·8	41·4	41·2	40·8	40·4
	1847	41·3	41·6	41·6	41·6	41·1	39·8	39·0	38·6	38·5	38·6	38·4
Hourly Means		39·57	39·97	40·05	39·88	38·98	37·77	36·95	36·38	36·07	35·78	35·43
December.	1842	27·9	28·6	29·0	28·8	27·9	26·9	26·3	25·7	25·3	25·1	24·3
	1843	33·1	33·3	33·3	33·0	32·2	31·4	31·0	30·6	30·2	29·9	29·8
	1844	31·6	32·2	32·3	31·7	30·9	30·0	29·2	29·0	28·4	28·1	27·5
	1845	24·2	24·9	25·3	25·3	24·7	23·4	22·6	22·2	21·8	21·6	21·7
	1846	30·1	30·9	31·4	31·4	30·9	30·0	29·1	29·0	28·7	28·4	28·1
	1847	32·7	33·1	33·3	33·1	32·8	32·0	31·3	31·0	30·8	30·6	30·5
Hourly Means		29·93	30·65	30·80	30·55	29·90	28·95	28·25	27·92	27·53	27·28	26·98

Solar Time, from July 1842 *to June* 1848, *inclusive*—continued.

11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means of the 24 Hours.
°	°	°	°	°	°	°	°	°	°	°	°	°	°
58·7	57·5	56·5	56·0	55·3	54·6	54·7	57·1	60·6	63·6	65·5	67·2	69·1	64·30
58·3	57·1	56·3	55·9	55·4	54·4	54·0	57·3	60·9	62·8	64·8	66·9	68·6	64·11
60·4	58·8	58·2	57·6	57·2	57·0	56·7	59·9	63·0	65·2	67·1	68·6	70·8	65·59
60·7	59·9	58·3	57·5	56·9	56·2	56·4	59·8	63·7	66·5	69·1	70·6	72·5	66·19
61·9	61·2	61·9	60·3	59·3	58·9	59·0	62·5	66·6	69·2	71·3	73·1	73·8	67·82
62·8	62·2	61·2	60·6	59·7	58·9	58·9	62·4	66·2	69·3	72·0	73·6	74·5	67·95
60·47	59·45	58·58	58·02	57·30	56·67	56·62	59·83	63·50	66·10	68·30	70·00	71·55	65·99
60·9	60·4	59·8	59·2	58·7	58·4	58·8	58·4	61·1	63·7	66·2	68·4	69·9	65·25
60·8	60·0	59·7	58·7	58·0	57·3	56·8	58·0	61·2	64·6	67·7	69·8	71·5	66 00
59·5	58·6	58·0	57·5	56·9	56·7	56·5	57·4	59·9	62·4	64·6	66·7	68·4	63·68
62·0	61·2	60·5	60·0	59·2	58·8	58·6	60·4	64·8	68·0	70·5	72·1	73·9	67·33
63·9	62·6	61·7	61·0	60·3	60·1	59·9	61·2	64·8	68·5	70·9	72·9	74·0	67·99
59·5	59·0	58·2	57·4	56·7	56·2	55·8	57·7	61·1	65·3	67·6	69·5	70·4	64·22
61·10	60·30	59·65	58·97	58·30	57·92	57·73	58·85	62·15	65·42	67·92	69·90	71·35	65·74
51·5	51·9	51·3	50·8	50·7	50·1	49·1	49·1	50·9	53·7	56·1	58·0	59·6	55·34
54·6	54·6	54·2	53·8	53·5	53·4	52·7	53·1	55·2	57·0	59·1	60·9	62·5	58·53
53·3	52·8	52·0	51·3	50·9	49·9	49·2	51·0	53·7	57·1	59·8	62·1	63·9	58·00
52·3	51·4	50·7	49·8	49·5	48·5	47·9	48·7	52·3	55·0	57·6	59·6	60·8	55·42
60·1	59·7	59·1	58·6	57·4	56·8	56·3	56·7	59·5	62·3	64·8	66·6	68·2	63·02
52·1	51·4	50·8	50·3	49·8	49·6	49·3	50·0	52·3	55·3	57·5	59·5	60·3	55·25
53·08	53·63	53·02	52·43	51·97	51·38	50·75	51·43	53·98	56·73	59·15	61·12	62·55	57·59
42·0	41·3	40·7	40·4	40·0	39·7	39·3	39·6	40·5	43·0	45·0	48·0	49·8	45·13
39·1	38·3	38·3	37·8	37·8	37·4	37·2	37·9	38·5	40·0	42·7	44·6	45·7	41·62
40·5	40·3	38·9	39·0	38·9	38·4	38·2	38·3	39·2	41·7	44·1	45·9	47·5	43·32
44·4	42·5	42·0	41·6	41·4	41·1	41·1	41·5	42·0	44·7	47·8	49·8	51·1	46·15
41·7	42·5	41·8	41·5	41·2	41·1	40·8	40·9	41·5	43·7	45·0	47·8	49·0	44·79
41·3	40·8	40·4	39·9	39·9	39·7	39·8	39·5	40·5	42·6	45·4	47·3	48·5	44·17
41·50	40·95	40·35	40·03	39·87	39·57	39·40	39·62	40·37	42·62	45·30	47·23	48·60	44·20
32·1	31·4	31·3	31·1	30·6	30·6	31·2	30·7	30·7	32·0	33·5	34·9	36·1	33·26
32·2	31·4	31·0	30·8	30·7	30·6	30·5	30·5	30·8	31·7	33·1	34·4	35·4	33·13
32·6	32·8	32·4	32·3	31·6	31·4	32·1	31·7	31·6	32·0	34·8	36·0	37·4	34·70
35·4	34·1	33·8	33·7	33·7	33·4	33·3	34·2	34·3	35·1	36·9	38·1	39·5	36·61
40·1	39·1	38·8	38·5	38·2	38·2	38·0	39·0	38·9	39·7	40·8	42·3	43·5	41·01
38·1	37·7	37·3	36·7	36·4	36·0	36·0	36·4	36·2	37·4	38·9	40·0	40·8	38 67
35·08	34·42	34·13	33·85	33·53	33·37	33·48	33·75	33·75	34·80	36·33	37·77	38·78	36·24
24·3	23·8	23·6	23·0	22·8	22·8	23·0	23·1	22·5	23·0	24·1	25·8	27·1	25·20
29·3	29·9	29·4	29·5	29·4	29·3	28·8	29·0	29·0	29·5	30·1	31·3	32·5	30·62
27·5	27·5	26·3	26·4	26·1	26·2	26·7	26·4	26·4	27·1	28·4	29·7	30·8	28·60
21·6	21·0	20·1	19·2	19·0	19·1	19·1	18·2	18·4	18·8	20·5	22·2	23·5	21·60
28·0	27·4	26·8	26·2	26·2	26·0	25·7	24·8	24·4	24·7	26·0	27·5	29·1	27·95
30·5	29·6	29·5	29·2	29·2	29·1	29·1	28·4	28·2	28·4	29·5	30·8	31·7	30·60
26·87	26·53	25·95	25·58	25·45	25·42	25·40	24·98	24·82	25·25	26·43	27·88	29·12	27·43

TABLE LIV.—*Monthly Means of the Barometer at every Hour of Mean*

Barometer at 32° = 27 English

Mean Toronto Astronomical Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.
		In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
JANUARY.	1843	2·588	2·573	2·567	2·569	2·581	2·584	2·589	2·596	2·596	2·593	2·594
	1844	2·614	2·602	2·602	2·608	2·610	2·616	2·626	2·626	2·625	2·622	2·614
	1845	2·604	2·596	2·595	2 604	2·609	2·616	2·624	2·632	2·638	2·644	2·647
	1846	2·619	2·599	2·593	2·596	2·594	2·601	2·609	2·611	2·611	2·614	2·610
	1847	2·584	2·572	2·576	2·589	2·594	2·598	2·604	2·607	2·601	2·596	2·597
	1848	2·651	2·633	2·626	2·630	2·637	2·646	2·654	2·661	2·668	2·667	2·665
Hourly Means		2·610	2·596	2·593	2·599	2·604	2·610	2·618	2·622	2·623	2·623	2·621
FEBRUARY.	1843	2·559	2·539	2·533	2·536	2·540	2·551	2·563	2·571	2·570	2·576	2·573
	1844	2 671	2·656	2·645	2·647	2·649	2·653	2·663	2·671	2·674	2·676	2·675
	1845	2·597	2·579	2·570	2·567	2·562	2·565	2·565	2·570	2·567	2·562	2·557
	1846	2·672	2·654	2·640	2·634	2·631	2·630	2·635	2·647	2·650	2·652	2·652
	1847	2.627	2·612	2·604	2·606	2·609	2·612	2·619	2·624	2·628	2·631	2·637
	1848	2·612	2·597	2·584	2·585	2·586	2·590	2·595	2·603	2·608	2·610	2·609
Hourly Means		2·623	2·606	2·596	2·596	2·596	2·600	2·607	2·614	2·616	2·618	2·617
MARCH.	1843	2·556	2·539	2·533	2·529	2·528	2·536	2·542	2·550	2·559	2·562	2·564
	1844	5·660	2·647	2·634	2·626	2·629	2·632	2·638	2·644	2·653	2·659	2·660
	1845	2·606	2·597	2·590	2·594	2·595	2·598	2·604	2·612	2·616	2·620	2·616
	1846	2·615	2·598	2·581	2·575	2·570	2·579	2·582	2·589	2·596	2·599	2·597
	1847	2·683	2·671	2·662	2·661	2·660	2·665	2·670	2·671	2·677	2·685	2·685
	1848	2·662	2·641	2·626	2 615	2·617	2·617	2·619	2·627	2·630	2·634	2·635
Hourly Means		2·630	2·616	2·604	2·600	2·600	2·605	2·609	2·615	2·622	2·627	2·626
APRIL.	1843	2·612	2·605	2·592	2·584	2·580	2·582	2·586	2·590	2·594	2·597	2·593
	1844	2·579	2·748	2·735	2·722	2·715	2·716	2·711	2·711	2·721	2·723	2·724
	1845	2·607	2·604	2·594	2·589	2·590	2·591	2·592	2·591	2·601	2·602	2·595
	1846	2·724	2·713	2·701	2·688	2·682	2·686	2·680	2·682	2·691	2·690	2·687
	1847	2·591	2·583	2·568	2·561	2·556	2·562	2·569	2·569	2·581	2·579	2·575
	1848	2·749	2·742	2·732	2·721	2·716	2·714	2·713	2·717	2·725	2·727	2·728
Hourly Means		2·674	2·666	2·654	2·644	2·640	2·642	2·642	2·643	2·652	2·653	2·650
MAY.	1843	2·616	2·606	2·600	2·592	2·593	3·595	2·599	2·603	2·616	2·624	2·627
	1844	2·556	2·550	2·547	2·538	2·524	2·520	2·519	2·522	2·536	2·546	2·554
	1845	2·646	2·637	2·623	2·612	2·605	2·602	2·604	2·609	2·620	2·633	2·636
	1846	2·516	2·510	2·502	2·492	2·491	2·491	2·491	2·496	2·500	2·506	2·501
	1847	2·602	2·587	2·576	2·566	2·560	2·555	2·557	2·559	2·566	2·575	2·580
	1848	2·501	2·490	2·480	2·473	2·467	2·465	2·470	2·474	2·482	2·489	2·492
Hourly Means		2·573	2·563	2·555	2·546	2·540	2·538	2·540	2·544	2·553	2·562	2·565
JUNE.	1843	2·569	2·558	2·551	2·541	2·530	2·526	2·526	2·528	2·533	2·542	2·542
	1844	2·622	2·609	2·603	2 598	2·590	2·587	2·589	2·594	2·599	2·611	2·614
	1845	2·616	2·609	2·602	2·594	2·588	2·582	2·579	2·579	2·580	2·589	2·593
	1846	2·606	2·599	2·587	2·579	2·575	2·565	2·567	2·570	2·573	2·587	2·587
	1847	2·574	2·566	2·562	2·557	2·554	2·548	2·547	2·549	2·553	2·564	2·567
	1848	2·553	2·540	2·528	2·518	2·510	2·510	2·511	2·518	2·522	2·530	2·532
Hourly Means		2·590	2·580	2·572	2·565	2·558	2·553	2·553	2·556	2·560	2·571	2·573

Hour of Mean
2° = 27 English

9h.	10h.
In.	In.
2·593	2·594
2·622	2·614
2·644	2·647
2·614	2·610
2·596	2·597
2·667	2·665
2·623	2·621
2·576	2·573
2·676	2·675
2·562	2·557
2·652	2·652
2·631	2·637
2·610	2·609
2·618	2·617
2·562	2·564
2·659	2·660
2·620	2·616
2·599	2·597
2·685	2·685
2·634	2·635
2·627	2·626
2·597	2·593
2·723	2·724
2·602	2·595
2·690	2·687
2·579	2·575
2·727	2·728
2·653	2·650
2·624	2·627
2·546	2·554
2·633	2·636
2·506	2·501
2·575	2·580
2·489	2·492
2·562	2·565
2·542	2·542
2·611	2·614
2·589	2·593
2·587	2·587
2·564	2·567
2·530	2·532
2·571	2·573

Solar Time from July 1842 *to June* 1848, *inclusive.*

inches + the numbers in the Table.

11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means of the 24 Hours.
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
2·597	2·602	2·600	2·602	2·597	2·589	2·587	2·611	2·611	2·622	2·625	2·624	2·610	2·596
2·608	2·585	2·599	2·606	2·607	2·601	2·592	2·594	2·604	2·623	2·631	2·636	2·630	2·612
2·645	2·637	2·632	2·636	2·636	2·629	2·625	2·608	2·613	2·625	2·631	2·636	2·624	2·624
2·608	2·618	2·616	2·625	2·628	2·626	2·621	2 620	2·627	2·636	2·645	2·649	2·638	2·617
2·597	2·584	2·591	2·596	2·595	2·590	2·581	2·593	2·595	2·608	2·617	2·618	2·605	2·595
2·661	2·683	2·682	2·684	2·677	2·668	2·670	2·678	2·682	2·688	2·696	2·691	2·681	2·666
2·619	2·618	2·620	2·625	2·623	2·617	2·613	2·617	2·622	2·634	2·641	2·643	2·631	2·618
2·570	2·545	2·546	2·551	2·552	2·554	2·553	2·533	2·548	2·572	2·576	2·576	2·573	2·557
2·675	2·642	2·640	2·639	2·638	2·638	2·637	2·654	2·668	2·683	2·687	2·688	2·684	2·660
2·551	2·548	2·551	2·553	2·549	2·556	2·560	2·599	2·605	2·614	2·620	2·615	2·613	2·575
2·649	2·677	2·674	2·674	2·673	2·666	2·667	2·669	2·678	2·690	2·693	2·693	2·689	2·662
2·630	2·596	2·595	2·598	2·603	2·605	2·608	2·619	2·630	2·642	2·653	2·652	2·647	2·620
2·609	2·604	2·608	2·611	2·611	2·612	2·619	2·608	2·620	2·629	2·634	2·633	2·627	2·609
2·614	2·602	2·602	2·604	2·604	2·605	2·607	2·614	2·625	2·638	2·644	2·643	2·639	2·614
2·563	2·571	2·569	2·567	2 563	2·563	2·563	2·568	2·574	2·578	2·576	2·574	2·566	2·558
2·659	2·653	2·656	2·651	2.651	2·655	2·659	2·648	2·662	2·670	2·673	2·675	2·670	2·653
2·612	2·552	2·549	2·556	2·549	2·352	2·565	2·583	2·597	2·607	2·613	2·615	2·613	2·592
2·596	2·612	2·616	2·611	2·603	2·603	2 599	2·614	2·624	2·628	2·628	2·628	2·623	2·603
2·688	2·679	2·676	2·672	2·666	2·670	2·678	2·668	2·681	2·686	2·689	2·689	2·685	2·676
2·638	2·645	2·650	2·649	2·647	2·636	2·657	2·676	2·686	2·690	2·689	2·682	2·673	2·648
2·626	2·619	2·619	2·618	2·613	2·613	2·620	2·626	2·637	2·643	2·645	2·644	2·638	2·622
2·589	2·586	2·578	2·573	2·575	2·582	2·590	2·617	2·630	2·635	2·636	2·633	2·624	2·598
2·725	2·727	2·721	2·720	2·721	2·718	2·722	2·771	2·777	2·782	2·781	2·780	2·770	2·738
2·592	2·595	2·593	2·594	2·590	2·593	2·599	2·594	2·610	2·617	2·617	2·617	2·614	2·599
2·684	2·682	2·666	2·675	2·676	2·677	2·687	2·733	2·747	2·752	2·752	2·748	2·747	2·702
2·569	2·563	2·556	2·548	2·546	2·543	2·551	2·581	2·594	2·601	2·605	2·607	2·600	2·573
2·727	2·708	2·707	2·708	2·714	2·717	2·726	2·740	2·754	2·764	2·768	2·766	2·762	2·731
2·648	2·644	2·637	2·636	2·637	2·638	2·646	2·673	2·685	2·692	2·693	2·692	2·685	2·657
2·628	2·611	2·607	2·605	2·608	2·615	2·629	2·626	2·634	2·633	2·633	2·633	2·626	2·615
2·554	2·551	2·547	2·543	2·547	2·550	2·558	2·563	2·573	2·577	2 574	2·576	2·566	2·550
2·641	2·617	2·628	2·632	2·637	2·631	2 649	2·659	2·665	2·668	2·670	2·668	2·661	2·636
2·502	2·511	2·506	2·503	2·500	2·500	2·511	2·515	2·520	2·525	2·525	2·525	2·522	2·507
2·581	2·584	2 574	2·571	2·572	2·576	2·587	2·609	2·616	2·618	2·614	2·616	2·610	2·584
2·490	2·496	2·497	2·496	2·496	2·501	2·510	2·522	2·528	2·529	2·524	2·519	2·513	2·496
2·566	2·562	2·560	2·558	2·560	2·562	2·574	2·582	2·589	2·592	2·590	2·590	2·583	2·565
2·543	2·546	2·540	2·539	2·542	2·549	2·561	2·572	2·581	2·585	2·582	2·584	2·579	2·552
2·618	2·603	2·600	2·600	2·599	2·603	2·610	2·624	2·631	2·633	2·632	2·629	2·625	2·609
2·595	2·572	2·572	2·573	2·577	2·586	2·602	2·617	2·625	2·630	2·631	2·629	2·626	2·598
2·587	2·594	2·592	2·589	2·587	2·593	2·609	2·613	2·619	2·622	2·621	2·620	2·614	2·594
2·570	2·551	2·547	2·546	2·548	2·553	2·568	2·569	2·576	2·581	2·580	2·581	2·578	2·562
2·534	2·543	2·544	2·545	2·545	2·548	2·560	2·575	2·579	2·581	2·579	2·575	2·565	2·544
2·575	2·568	2·566	2·565	2·566	2·572	2·585	2·595	2·602	2·605	2·604	2·603	2·598	2·577

Monthly Means of the Barometer at every Hour of Mean

Barometer at 32° = 27 English

Mean Toronto Astron. Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.
		In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
July.	1842	2·670	2·661	2·651	2·642	2·633	2·627	2·632	2·634	2·637	2·648	2·648
	1843	2·630	2·621	2·612	2·601	2·596	2·591	2·598	2·602	2·609	2·622	2·625
	1844	2·546	2·541	2·531	2·528	2·520	2·514	2·512	2·515	2·520	2·530	2·531
	1845	2·518	2·511	2·503	2·497	2·490	2·484	2·488	2·492	2·497	2·508	2·509
	1846	2·597	2·585	2·577	2·571	2·568	2·559	2·560	2·563	2·569	2·585	2·587
	1847	2·653	2·641	2·631	2·619	2·614	2·608	2·609	2·607	2·613	2·620	2·625
Hourly Means		2·602	2·593	2·584	2·576	2·570	2·564	2·567	2·569	2·574	2·586	2·588
August.	1842	2·732	2·724	2·714	2·702	2·697	2·693	2·692	2·693	2·701	2·703	2·703
	1843	2·697	2·689	2·678	2·670	2·664	2·659	2·660	2·665	2·674	2·678	2·678
	1844	2·535	2·529	2·518	2·511	2·509	2·510	2·515	2·521	2·528	2·534	2·533
	1845	2·652	2·642	2·631	2·618	2·614	2·610	2·612	2·614	2·625	2·635	2·636
	1846	2·660	2·648	2·639	2·624	2·617	2·613	2·611	2·608	2·616	2·626	2·628
	1847	2·649	2·644	2·631	2·621	2·617	2·616	2·615	2·614	2·621	2·623	2·622
Hourly Means		2·654	2·646	2·635	2·624	2·620	2·617	2·618	2·619	2·628	2·633	2·633
September.	1842	2·683	2·674	2·663	2·655	2·648	2·648	2·651	2·653	2·659	2·659	2·657
	1843	2·702	2·692	2·682	2·674	2·672	2·674	2·675	2·684	2·691	2·696	2·695
	1844	2·735	2·725	2·715	2·707	2·703	2·707	2·710	2·719	2·729	2·734	2·734
	1845	2·567	2·554	2·542	2·532	2·533	2·536	2·536	2·542	2·550	2·551	2·549
	1846	2·641	2·630	2·609	2·601	2·596	2·592	2·590	2·596	2·608	2·601	2·609
	1847	2·624	2·616	2·606	2·597	2·593	2·594	2·596	2·599	2·607	2·611	2·615
Hourly Means		2·659	2·649	2·636	2·628	2·625	2·625	2·626	2·632	2·641	2·642	2·643
October.	1842	2·632	2·622	2·614	2·608	2·602	2·614	2·620	2·625	2·630	2·632	2·632
	1843	2·535	2·530	2·526	2·526	2·531	2·537	2·541	2·547	2·555	2·558	2·559
	1844	2·641	2·625	2·620	2·618	2·620	2·624	2·628	2·631	2·632	2·632	2·631
	1845	2·812	2·796	2·783	2·779	2·776	2·772	2·774	2·775	2·775	2·772	2·769
	1846	2·688	2·673	2·667	2·671	2·672	2·674	2·685	2·695	2·703	2·712	2·721
	1847	2·687	2·670	2·659	2·658	2·658	2·659	2·661	2·664	2·666	2·674	2·680
Hourly Means		2·666	2·653	2·645	2·643	2·643	2·647	2·652	2·656	2·660	2·663	2·665
November.	1842	2·612	2·598	2·596	2·598	2·599	2·601	2·605	2·605	2·606	2·606	2·606
	1843	2·666	2·655	2·650	2·652	2·656	2·658	2·666	2·667	2·669	2·671	2·670
	1844	2·603	2·586	2·579	2·579	2·584	2·591	2·599	2·606	2·610	2·615	2·615
	1845	2·503	2·493	2·487	2·492	2·495	2·507	2·513	2·511	2·510	2·503	2·504
	1846	2·679	2·671	2·658	2·658	2·658	2·660	2·661	2·663	2·658	2·658	2·655
	1847	2·695	2·687	2·678	2·678	2·680	2·679	2·680	2·682	2·680	2·678	2·674
Hourly Means		2·626	2·615	2·608	2·610	2·612	2·616	2·621	2·622	2·622	2·622	2·621
December.	1842	2·642	2·628	2·623	2·629	2·636	2·634	2·639	2·645	2·643	2·643	2·647
	1843	2·660	2·648	2·643	2·645	2·653	2·657	2·665	2·673	2·673	2·671	2·670
	1844	2·539	2 526	2·521	2·526	2·534	2·538	2·542	2·546	2·549	2·551	2·558
	1845	2·693	2·680	2·669	2·673	2·680	2·682	2·691	2·695	2·695	2·693	2·695
	1846	2 646	2·641	2·633	2·638	2·639	2·639	2·642	2·642	2·637	2·632	2·626
	1847	2·658	2·643	2·637	2·640	2·649	2·651	2·658	2·662	2·658	2·655	2·647
Hourly Means		2·540	2·628	2·621	2·625	2·632	2·634	2 640	2·644	2·643	2·641	2·641

Solar Time from July 1842 *to June* 1848, *inclusive*—continued.

Inches + the numbers in the Table.

11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means of the 24 Hours.
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
2·647	2·660	2·656	2·650	2·651	2·654	2·667	2·667	2·673	2·678	2·679	2·679	2·676	2·655
2·627	2·619	2·616	2·615	2·615	2·623	2·633	2·633	2·640	2·645	2·642	2·638	2·635	2·620
2·538	2·541	2·537	2·535	2·531	2·536	2·543	2·551	2·556	2·559	2·558	2·555	2·553	2·537
2·511	2·499	2·502	2·503	2·502	2·504	2·516	2·518	2·526	2·530	2·532	2·531	2·527	2·508
2·589	2·578	2·578	2·577	2·577	2·583	2·594	2·600	2·607	2·609	2·608	2·608	2·604	2·585
2·627	2·618	2·617	2·616	2·619	2·623	2·634	2·648	2·657	2·664	2·667	2·664	2·659	2·631
2·590	2·586	2·584	2·583	2·583	2·587	2·598	2·603	2·610	2·614	2·614	2·613	2·609	2·589
2·705	2·702	2·696	2·695	2·695	2·698	2·702	2·728	2·736	2·739	2·740	2·741	2·738	2·711
2·679	2·669	2·667	2·667	2·663	2·671	2·680	2·694	2·701	2·705	2·705	2·705	2·702	2·680
2·536	2·540	2·534	2·525	2·525	2·525	2·529	2·530	2·537	2·540	2·544	2·546	2·540	2·529
2·639	2·623	2·619	2·615	2·614	2·616	2·624	2·642	2·653	2·656	2·658	2·663	2·658	2·632
2·627	2·633	2·630	2·628	2·629	2·631	2·638	2·656	2·664	2·670	2·677	2·676	2·670	2·638
2·622	2·633	2·628	2·626	2·628	2·631	2·637	2·656	2·662	2·666	2·669	2·671	2·662	2·636
2·635	2·633	2·629	2·626	2·626	2·629	2·635	2·651	2·659	2·663	2·666	2·667	2·662	2·638
2·656	2·637	2·639	2·635	2·634	2·641	2·652	2·677	2·684	2·690	2·698	2·696	2·689	2·662
2·696	2·673	2·673	2·671	2·671	2·675	2·680	2·711	2·719	2·724	2·724	2·719	2·714	2·691
2·735	2·733	2·731	2·732	2·732	2·735	2·743	2·739	2·746	2·747	2·751	2·751	2·746	2·731
2·546	2·566	2·566	2·573	2·569	2·571	2·575	2·585	2·588	2·587	2·590	2·587	2·576	2·561
2·612	2·612	2·613	2·614	2·618	2·623	2·636	2·655	2·664	2·663	2·665	2·665	2·655	2·624
2·609	2·598	2·596	2·593	2·590	2·593	2·599	2·625	2·631	2·635	2·640	2·639	2·632	2·610
2·642	2·637	2·636	2·636	2·636	2·640	2·648	2·665	2·672	2·674	2·678	2·676	2·669	2·647
2·632	2·648	2·648	2·642	2·638	2·646	2·650	2·640	2·652	2·659	2·660	2·657	2·650	2·636
2·556	2·552	2·551	2·549	2·546	2·544	2·542	2·517	2·537	2·544	2·547	2·547	2·545	2·543
2·625	2·619	2·635	2·627	2·627	2·631	2·635	2·648	2·658	2·664	2·666	2·662	2·655	2·636
2·765	2·789	2·792	2·792	2·792	2·795	2·802	2·810	2·822	2·827	2·833	2·832	2·826	2·794
2·723	2·704	2·702	2·700	2·699	2·696	2·698	2·695	2·707	2·710	2·709	2·703	2·700	2·696
2·677	2·668	2·670	2·672	2·669	2·673	2·683	2·674	2·687	2·697	2·702	2·702	2·699	2·675
2·663	2·663	2·666	2·664	2·662	2·664	2·668	2·664	2·677	2·684	2·686	2·684	2·679	2·663
2·604	2·618	2·614	2·614	2·610	2·609	2·598	2·635	2·637	2 642	2·638	2·640	2·629	2·613
2·668	2·675	2·674	2·674	2·670	2·665	2·658	2·663	2·672	2·683	2·683	2·690	2·681	2·668
2·612	2·611	2·613	2·622	2·620	2·618	2·622	2·621	2·631	2·639	2·634	2·634	2·623	2·611
2·501	2·511	2·510	2·514	2·514	2·516	2·515	2·502	2·512	2·520	2·523	2·527	2·517	2·508
2·652	2·669	2·670	2·671	2·674	2·677	2·682	2·674	2·683	2 692	2·700	2·701	2·691	2·671
2·670	2·674	2·676	2·680	2·677	2·681	2·682	2·683	2·691	2·704	2·710	2·716	2·709	2·685
2·618	2·626	2·626	2·629	2·628	2·628	2·626	2·630	2·638	2·647	2·648	2·651	2·642	2·626
2·637	2·648	2·647	2·654	2·653	2·650	2·653	2·653	2·658	2·676	2·677	2·679	2·668	2·648
2·669	2·673	2·669	2·673	2·670	2·666	2·659	2·661	2·663	2·676	2·683	2·687	2·677	2·666
2·559	2·557	2·556	2·563	2·557	2·542	2·533	2·553	2·558	2·564	2·568	2·571	2·557	2·549
2·696	2·667	2·668	2·680	2·687	2·683	2·691	2·701	2·709	2·717	2·717	2·723	2·712	2·692
2·619	2·623	2·622	2·627	2·627	2 629	2·629	2·659	2·666	2·675	2·679	2·685	2·665	2·643
2·646	2·656	2·649	2·651	2·649	2·642	2·640	2·665	2·672	2·679	2·688	2·690	2·677	2·657
2·638	2·637	2·635	2·641	2·641	2·635	2·634	2·649	2·654	2·665	2·669	2·673	2·659	2·643

TABLE LV.—*Monthly Means of the Wet Thermometer for every hour of Mean*

Mean Toronto Astron. Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.
		°	°	°	°	°	°	°	°	°	°	°
JANUARY.	1843	29·3	29·8	29·8	29·5	29·0	28·3	27·8	27·3	27·4	27·3	27·3
	1844	20·3	20·7	21·4	21·5	21·4	20·6	19·8	19·5	19·1	19·1	18·7
	1845	27·2	27·6	27·8	27·4	26·7	25·9	25·3	24·8	24·0	23·7	23·2
	1846	26·6	27·2	27·7	27·9	27·6	27·0	26·4	25·7	25·7	25·5	24·9
	1847	23·2	23·4	23·2	22·7	22·3	21·6	21·1	20·6	20·4	20·4	20·3
	1848	29·4	29·8	30·4	30·7	29·7	28·6	27·6	27 1	26·9	26·6	26·2
Hourly Means		26·00	26·42	26 71	26·62	26·11	25·34	24·67	24·17	23·92	23·77	23·43
FEBRUARY.	1843	16·0	16·6	17·1	17·1	16·8	15·8	14·2	13·1	12·3	11·2	10·5
	1844	28·0	29·0	29·3	29·8	29·2	28·2	26·6	25·9	25·0	24·4	23·8
	1845	27·2	27·4	27·7	27·5	27·0	25·9	25·2	24·9	24·3	24·3	24·1
	1846	26·3	26·5	26·5	26·6	26·3	25·5	24·2	23·4	22·4	22·0	21·6
	1847	23·8	24·8	25·2	25·1	24·6	23·7	22·9	21·8	21·2	20·8	20·0
	1848	28·5	29·4	29·7	29·7	29·6	28·6	27·3	26·5	26·0	25·7	25·2
Hourly Means		24·97	25·62	25·91	25·97	25·58	24·62	23·40	22·60	21·87	21·40	20·87
MARCH.	1843	23·2	24·3	24·4	24·6	24·1	23·5	21·5	20·4	19·5	18·7	17·9
	1844	31·9	32·8	33·6	33·3	33·2	32·7	31·7	30·4	29·6	29 0	28·6
	1845	35·5	36·1	36·3	35·7	35·5	34·9	33·5	32·8	32·5	32·1	31·2
	1846	35·0	35·3	35·8	35·6	34·7	34·7	33·5	31·8	31·2	30·0	29·6
	1847	27·5	27 7	28·1	27·9	27·7	27·4	26·0	24·8	24·1	23·3	22·5
	1848	30·7	31·5	32·1	32·4	31·7	31·2	29·7	28·3	27·5	27·0	26·8
Hourly Means		30·63	31·28	31·72	31 58	31·15	30·73	29·31	28·08	27·60	26·68	26·10
APRIL.	1843	41·0	41·6	41·9	42·3	42·2	41·9	40·4	38·6	37·7	37·0	36·2
	1844	48·2	49·4	49·8	50·1	49·4	49·9	47·4	45·4	43·1	42·3	41·4
	1845	41·5	41·9	41·8	41·8	41·7	41·1	40·1	38·9	38·4	37·7	36·9
	1846	43·6	44·0	44·4	44·0	43·9	43·3	42·4	40·8	39·7	39·1	38·7
	1847*	—	—	—	—	—	—	—	—	—	—	—
	1848	41·1	41·3	41 6	41·5	41·2	40·8	40·2	38·8	37·7	36·9	36·5
Hourly Means		43·08	43·64	43·90	43·94	43·68	43·40	42·10	40·50	39·32	38·60	37·94
MAY.	1843	48·0	49·0	49·1	49·3	49·3	49·2	47·4	45·3	43·6	42·4	41·5
	1844	55·6	55·4	54·8	54·4	54·5	54·5	53·1	51·0	49·3	48·3	47·6
	1845	50·3	50·5	50·7	50·6	50·8	50·2	49·2	47·0	45·3	43·7	42·8
	1846	55·5	55·8	56·0	55·6	55·7	55·3	54·8	53·0	51·1	49·8	49·6
	1847	54·6	54·8	55·2	55·1	54·5	54·7	53·5	51·8	50·9	49·8	49·2
	1848	55·0	55·2	55·0	54·6	54·4	54·2	53·0	51·6	50·0	48·8	48·1
Hourly Means		53·17	53·45	53·47	53·27	53·20	53·02	51·83	49·95	48·37	47·13	46·47
JUNE.	1843	59·2	59 6	60·1	60·4	60·1	59·6	59·1	57·3	55·3	54·1	52·9
	1844	59·4	60·5	60·7	60·8	60·9	61·6	60·2	58·0	55·2	53·6	52·6
	1845	60·8	60·6	60·8	60·8	61·4	60·9	59·4	58·4	56·4	55 2	54·4
	1846	61·9	62·2	62·2	62·1	62·3	62·1	61·6	59·9	57·6	56·4	55·6
	1847	59·2	59·8	59·1	59·5	59·0	58·3	57·4	56·0	54·4	52·9	52·1
	1848	62·3	62·3	62·2	62·7	62·3	61·2	60·4	59·1	57·6	56·1	55·4
Hourly Means		60·47	60·83	60·85	61·05	61·00	60·62	59·68	58·12	56·08	54·72	53·83

* Observations cancelled.

Solar Time, from July 1842 *to June* 1848, *inclusive.*

11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means of the 24 Hours.
°	°	°	°	°	°	°	°	°	°	°	°	°	°
27·0	25·1	24 9	25·1	24·9	25·0	25·3	25·4	25·0	25·4	26·3	27·2	28·5	27·00
18·4	18·1	17·0	16·8	16·6	16·5	16·2	16·7	16·4	16·9	17·6	18·3	19·4	18·63
22·9	23·0	22·8	22·8	22·6	22·5	22·2	24·1	23·6	23·8	24·7	25·8	26·5	24·62
24·4	24·3	23·6	23·0	22·7	22·2	22·0	22·5	22·7	22·9	23·8	25·1	26·0	24·89
20·2	20·3	19·8	20·0	19·8	19·7	19 5	19·9	20·2	20·2	21·1	22·1	22·8	21·03
26·0	24·8	24·6	24·7	24·8	24·7	24·5	25·9	25·8	25·8	26·9	27·7	28·7	27·00
23·15	22·60	22·11	22·07	21·90	21·77	21·62	22·41	22·28	22·50	23·40	24·37	25·32	23·86
9·9	9·8	9·4	9·1	9·0	8·6	8·2	7·9	7·7	8·5	10·6	12·4	14·1	11·91
23·4	25·1	25·1	24·8	24·5	24·3	24·0	22·5	22·2	22·9	24·3	25·7	26·9	25·62
24·5	25·0	24·7	24·4	23·6	23·1	23·1	21·3	21·2	22·3	24·1	24·7	25·8	24·72
20·7	19·6	19·2	18·6	17·5	16·8	16·3	18·5	19·1	19·9	22·1	24·3	25·1	22·04
19·3	18·9	18·7	18·4	18·5	18·4	18·1	18·0	17·6	18·5	19·9	21·8	23·0	20·96
24·8	24·0	23·3	22·8	22·5	22·2	22·4	22·0	21·9	23·1	25·4	26·8	27·7	25·63
20·43	20·40	20·07	19·68	19·27	18·90	18·68	18·37	18·28	19·20	21·07	22·62	23·77	21·81
16·9	17·0	16·5	16·0	15·8	15·6	15·9	14·7	15·2	17·3	19·1	20·9	22·1	19·38
28·5	29·7	28·1	27·3	27·1	26·7	26·4	26·8	27·0	27·8	29·2	30 4	31·0	29·70
30·7	31·5	31·1	30·9	30·6	30·2	30·1	29·1	29·9	31·9	33 3	34·4	35·1	32·70
29·0	29·2	29·3	28·8	28·6	28·4	28·3	27·6	28·6	30·7	32·8	34·0	34·6	31·54
21·9	22·3	21·8	21·5	20·9	20·6	19·8	19·8	20·3	22·3	24·0	25·4	26·5	24·92
26·2	25·6	24·8	24·5	24·6	24·3	24·0	22·9	23·8	25·6	27·0	28·3	29·2	27·48
25·53	25·88	25·27	24·83	24·60	24·30	24·08	23·48	24·13	25·93	27·56	28·90	29·75	27·45
35·8	35·9	35·2	34·9	34·4	34·2	33·6	33·1	34·3	36·4	37·6	39·2	40·2	37·73
41·1	40·9	40·4	39·9	39·4	39·3	39·0	38·5	40·7	42·6	44·6	46·1	47·1	44 00
36·8	36·0	35·6	34·9	34·8	34·7	34·6	35·3	36·5	37·9	39·4	40 2	41·1	38·34
38·3	38·1	38·3	37·6	37·0	36·8	36·3	36·0	38·4	39·7	41·2	42·2	43·2	40·29
—	—	—	—	—	—	—	—	—	—	—	—	—	—
35·8	35·5	34·8	34·5	33·7	33·4	32·7	33·2	35·4	36·9	38·5	39·5	40 4	37·58
37·56	37·28	36·86	36·36	35·86	35·68	35·24	35·22	37·05	38·70	40·26	41·44	42·40	39·58
40·9	41·1	40·8	40·4	39·9	39·7	39·9	41·6	43·2	45·1	45·8	46·7	47·6	44·45
46·9	46·0	45·4	44·8	44·4	44·1	44·3	45·8	47·5	49·2	51·0	52·5	53·8	49·76
41·7	41·7	40·8	40·3	39·5	39·3	39·3	41·8	43·7	44·8	46·6	48·4	49·5	45·35
49·0	47·6	47·1	46·6	46·5	46·2	46·4	48·1	50·2	51·7	53·3	54·4	54·6	51·41
48·3	47·2	46·7	46·2	45·8	45·4	45·5	46·7	49·2	51·0	52·6	53·5	54·3	50·69
47·6	47·0	45·9	45·4	44·8	44·2	44·3	47·0	49·0	50·8	52·5	53·6	54·5	50·27
45·73	45·10	44·45	43·95	43·48	43·15	43·28	45·17	47·13	48·77	50·30	51·52	52·38	48·66
51·5	51·6	51·0	50·4	49·8	49·4	49·9	51·0	53·2	54·4	55·7	57·0	58·1	55·03
51·9	51·7	51·1	50·7	50·3	50·2	50·2	51·6	53·6	55·3	56·5	57·7	58·7	55·54
53·8	53·9	52·7	52·0	51·4	50·7	50·5	53·3	54·8	56·3	57·7	59·5	60·5	56·51
55·0	54·9	54·4	53·8	53·2	52·8	53·1	55·4	57·4	58·8	60·4	61·4	61·8	58·18
51·7	51·5	50·8	50·3	49·8	49·2	49·5	51·7	53·7	55·3	57·0	57·8	58·8	54·78
54·8	54·5	53·9	53·2	52·5	52·2	52·4	55·1	57·1	59·4	60·6	61·5	62·1	57·95
53·12	53·02	52·32	51·73	51·17	50·75	50·93	53·02	54·97	56·58	57·98	59·15	60·00	56·33

Monthly Means of the Wet Thermometer for every hour of Mean

Mean Toronto Astron. Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.
		°	°	°	°	°	°	°	°	°	°	°
July.	1842	62·9	63·8	64·4	64·2	64·1	64·1	63·4	60·6	58·3	57·0	56·4
	1843	63·8	64·5	64·6	64·5	65·8	64·8	64·0	62·0	58·9	57·4	56·1
	1844	64·5	65·4	65·1	65·8	65·9	65·9	65·6	63·7	60·6	59·3	58·1
	1845	64·4	64·7	65·0	65·1	65·0	64·4	63·4	62·2	60·1	58·9	58·0
	1846	66·3	65·9	66·7	66·3	66·4	65·7	65·2	64·0	61·9	60·4	59·8
	1847	68·0	68·3	68·1	67·9	67·6	66·8	66·3	64·8	63·1	61·7	60·9
Hourly Means		64·98	65·43	65·65	65·63	65·80	65·28	64·65	62·88	60·48	59·12	58·22
August.	1842	64·4	65·3	65·7	65·8	66·0	65·6	64·5	62·0	60·3	59·4	59·0
	1843	66·5	67·6	67·8	67·8	67·8	67·5	66·7	63·6	61·4	59·9	59·1
	1844	64·1	64·5	65·0	65·5	65·0	64·6	63·3	61·0	59·5	58·4	57·7
	1845	67·1	67·3	67·7	67·4	67·4	67·3	66·2	63·8	62·1	60·8	59·8
	1846	68·1	68·0	67·7	67·5	67·0	66·6	65·8	63·8	62·7	61·7	61·0
	1847	65·1	65·2	65·1	65·0	64·7	64·2	63·7	61·8	60·1	59·0	58·2
Hourly Means		65·88	66·32	66·50	66·50	66·32	65·97	65·03	62·67	61·02	59·87	59·13
September.	1842	55·0	55·1	55·4	55·6	55·4	55·5	53·6	51·8	51·2	50·1	49·5
	1843	59·0	60·1	60·3	60·2	59·9	59·0	57·1	55·3	54·5	54·8	53·1
	1844	59·4	59·6	59·6	59·7	59·6	59·4	57·0	55·2	53·1	52·4	51·7
	1845	56·4	56·2	56·6	56·6	56·3	55·8	54·5	52·8	51·9	51·6	50·6
	1846	63·3	63·1	63·4	63·1	62·8	62·4	61·8	60·4	59·8	58·9	57·9
	1847	56·8	56·7	56·6	56·4	56·2	55·8	54·7	53·1	52·4	51·8	51·1
Hourly Means		58·32	58·47	58·65	58·60	58·37	57·98	56·45	54·77	53·82	53·27	52·32
October.	1842	46·7	47·1	47·5	47·4	46·6	45·3	43·8	43·1	42·5	41·7	41·0
	1843	43·7	43·1	43·2	43·1	42·5	41·5	40·4	40·1	39·7	39·0	38·5
	1844	45·0	45·2	45·4	45·3	45·1	44·0	42·3	41·2	40·8	40·6	39·9
	1845	47·9	48·2	48·2	48·0	47·6	46·4	44·8	44·1	43·5	43·3	42·9
	1846	45·8	46·3	45·7	45·6	45·2	44·4	43·3	42·3	41·8	41·0	40·4
	1847	45·2	45·4	45·5	45·4	44·8	43·7	43·0	42·4	41·9	41·1	40·4
Hourly Means		45·72	45·88	45·92	45·80	45·30	44·22	43·10	42·20	41·70	41·12	40·52
November.	1842	34·6	35·3	34·9	34·8	34·1	32·8	32·3	31·6	31·2	31·1	31·1
	1843	33·5	34·0	33·9	34·0	33·3	32·6	32·4	32·0	32·0	31·9	31·2
	1844	36·4	36·9	37·2	37·1	36·3	35·2	34·0	33·2	32·5	32·0	31·7
	1845	37·4	37·5	37·6	37·3	36·7	36·2	35·7	35·3	34·9	34·5	33·9
	1846	41·3	41·5	41·7	41·5	40·9	40·1	39·6	39·3	39·2	39·0	38·5
	1847	39·4	39·7	39·7	39·5	39·1	38·4	37·7	37·4	37·3	37·4	37·2
Hourly Means		37·10	37·48	37·50	37·37	36·73	35·88	35·28	34·80	34·52	34·32	33·93
December.	1842	25·6	26·1	26·5	26·2	25·7	24·7	24·1	23·6	23·3	23·1	22·1
	1843	30·7	31·0	31·0	30·9	30·3	29·8	29·3	28·9	28·5	28·3	28·2
	1844	29·3	29·8	29·9	29·5	28·6	28·2	27·6	27·2	26·8	26·6	26·0
	1845	22·2	22·9	23·5	23·5	22·8	21·6	20·9	20·[illegible]	20·1	19·6	19·9
	1846	27·6	28·4	28·8	28·8	28·5	27·9	27·2	27·1	26·7	26·6	26·3
	1847	31·3	31·6	31·8	31·8	31·6	31·1	30·5	30·3	29·8	29·8	29·8
Hourly Means		27·78	28·30	28·58	28·45	27·93	27·22	26·60	26·25	25·87	25·67	25·38

Solar Time, from July 1842 to June 1848, inclusive—continued.

9h.	10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means of the 24 Hours.
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
57·0	56·4	55·3	54·4	53·9	53·5	53·0	52·5	52·6	55·0	57·1	58·9	59·9	60·9	62·0	58·68
57·4	56·1	55·2	54·3	53·7	53·4	53·1	52·4	52·2	55·3	57·8	59·0	60·0	62·7	62·7	59·09
59·3	58·1	57·5	56·7	56·2	55·8	55·6	55·4	55·2	57·8	59·6	61·1	62·0	62·9	64·3	60·83
58·9	58·0	57·2	56·8	55·6	55·1	54·7	54·3	54·2	56·6	59·0	60·5	61·8	62·6	63·4	60·13
60·4	59·8	58·7	58·6	58·3	57·9	56·6	56·9	57·0	60·1	63·1	64·4	65·4	65·6	65·7	62·37
61·7	60·9	60·2	59·8	59·1	58·6	57·9	57·0	56·9	59·9	62·7	64·6	66·4	67·1	67·6	63·39
59·12	58·22	57·35	56·77	56·13	55·72	55·15	54·75	54·68	57·45	59·88	61·42	62·58	63·63	64·28	60·75
59·4	59·0	58·4	57·9	57·5	56·9	56·6	56·4	56·7	56·7	58·6	60·4	62·8	62·9	63·9	60·99
59·9	59·1	58·3	58·0	57·7	57·1	56·5	56·0	55·6	56·6	59·0	61·4	63·4	64·6	65·7	61·90
58·4	57·7	57·2	56·7	56·3	56·0	55·6	55·3	55·2	56·1	58·0	59·6	61·1	62·7	63·6	60·08
60·8	59·8	59·1	58·9	58·2	58·1	57·5	57·3	57·0	58·4	61·8	63·9	65·3	65·9	66·8	62·71
61·7	61·0	60·5	59·7	58·8	58·2	57·7	57·6	57·3	58·5	61·3	63·7	65·2	66·8	67·5	63·03
59·0	58·2	57·5	57·2	56·5	55·9	55·3	54·9	54·5	56·1	59·2	61·8	63·2	64·1	64·8	60·55
59·87	59·13	59·50	58·07	57·50	57·03	56·53	56·25	56·05	57·07	59·65	61·80	63·50	64·50	65·38	61·54
50·1	49·5	49·1	49·8	49·1	48·7	48·6	48·0	46·9	47·2	49·2	51·0	52·4	53·3	54·5	51·50
54·8	53·1	52·5	52·2	52·0	51·6	51·3	51·2	51·8	51·5	53·1	54·2	55·5	57·6	58·0	55·24
52·4	51·7	50·9	50·6	49·9	49·1	48·8	48·1	47·7	49·5	52·0	54·5	56·3	57·3	58·7	54·17
51·6	50·6	50·4	49·6	49·0	48·3	48·2	47·4	46·8	47·7	50·6	52·4	54·3	55·4	56·2	52·32
58·9	57·9	57·1	57·2	56·6	56·2	55·2	54·7	54·4	54·8	57·1	59·2	60·8	62·1	62·9	59·40
51·8	51·1	50·6	50·1	49·6	49·1	48·8	48·5	48·2	48·8	50·8	53·0	54·5	55·9	56·2	52·74
53·27	52·32	51·77	51·58	51·03	50·50	50·15	49·65	49·30	49·99	52·13	54·05	55·63	56·93	57·75	54·23
41·7	41·0	40·5	40·0	39·6	39·2	39·0	38·7	38·3	38·5	39·5	41·7	43·6	45·0	46·0	42·59
39·0	38·5	37·9	37·1	37·0	36·7	36·6	36·4	36·2	37·0	37·4	39·1	40·5	41·6	42·2	39·60
40·6	39·9	39·0	39·4	37·3	37·6	37·4	37·1	37·0	37·1	37·9	40·1	42·0	43·4	44·1	41·01
43·3	42·9	42·8	41·1	40·6	40·4	40·2	40·2	40·1	40·3	40·9	42·9	45·1	46·3	47·2	43·92
41·0	40·4	40·0	40·9	40·5	40·1	39·9	39·7	39·5	39·6	40·1	41·8	43·6	44·7	45·7	42·41
41·1	40·4	39·8	39·5	39·0	38·6	38·5	38·3	38·5	38·2	39·3	41·1	43·1	44·1	44·9	41·67
41·12	40·52	40·00	39·67	39·00	38·77	38·60	38·40	38·27	38·45	39·18	41·12	42·98	44·18	45·02	41·88
31·1	31·1	30·7	30·2	30·0	29·9	29·4	29·4	30·0	29·5	29·7	30·7	31·9	33·3	34·1	31·78
31·9	31·2	30·9	30·3	29·9	29·6	29·6	29·4	29·2	29·3	29·6	30·2	31·1	32·1	33·0	31·46
32·0	31·7	31·3	31·4	31·2	31·1	30·5	30·3	30·6	30·4	30·6	31·6	33·1	34·8	35·5	33·12
34·5	33·9	33·8	32·6	32·1	32·1	32·1	31·9	31·7	32·7	32·8	33·5	34·8	35·7	37·1	34·58
39·0	38·5	38·2	37·5	37·2	36·9	36·7	36·7	36·6	37·7	37·5	38·1	39·2	40·3	41·0	39·01
37·4	37·2	36·8	36·5	36·2	35·9	35·7	35·3	35·2	35·8	35·6	36·6	37·8	38·7	39·2	37·42
34·32	33·93	33·62	33·08	32·77	32·58	32·33	32·17	32·22	32·57	32·63	33·45	34·65	35·82	36·65	34·56
23·1	22·1	22·1	22·1	21·7	21·0	21·1	20·8	21·2	21·2	20·4	21·5	22·4	24·0	25·0	23·15
28·3	28·2	27·7	28·4	28·1	28·1	28·1	27·8	27·6	27·7	27·8	28·1	28·5	29·4	30·1	28·93
26·6	26·0	26·1	26·2	25·1	25·1	24·9	25·1	25·4	25·3	25·2	25·8	26·8	27·8	28·7	26·96
19·6	19·9	19·7	19·2	18·4	17·5	17·5	17·6	17·4	16·9	16·9	17·6	19·2	20·7	21·6	19·90
26·6	26·3	26·1	25·7	25·2	24·7	24·8	24·5	24·3	23·3	23·0	23·0	24·3	25·7	26·9	26·06
29·8	29·8	29·9	29·2	29·0	28·6	28·4	28·5	28·4	27·8	27·6	27·7	28·6	29·7	30·7	29·73
25·67	25·38	25·27	25·13	24·55	24·17	24·13	24·05	24·05	23·70	23·48	23·95	24·97	26·22	27·17	25·79

TABLE LVI.—*Monthly Means of the Elastic Force of the Aqueous Vapour*

Mean Toronto Astron. Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.
		In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
JANUARY.	1843	·148	·152	·149	·144	·140	·138	·140	·135	·136	·135	·136
	1844	·098	·098	·102	·104	·104	·100	·098	·097	·095	·095	·093
	1845	·132	·130	·135	·129	·126	·125	·124	·119	·112	·113	·110
	1846	·127	·130	·134	·135	·134	·133	·129	·124	·126	·126	·123
	1847	·100	·101	·098	·097	·098	·098	·097	·096	·096	·098	·098
	1848	·150	·151	·158	·158	·151	·145	·140	·139	·141	·138	·137
Hourly Means		·126	·127	·129	·128	·125	·123	·121	·118	·118	·117	·116
FEBRUARY.	1843	·065	·065	·066	·066	·067	·063	·057	·053	·052	·048	·046
	1844	·132	·135	·134	·139	·138	·134	·128	·128	·125	·120	·118
	1845	·129	·130	·130	·129	·126	·120	·117	·115	·112	·112	·110
	1846	·121	·119	·118	·118	·121	·119	·112	·109	·105	·107	·105
	1847	·108	·109	·115	·113	·111	·109	·107	·103	·099	·098	·098
	1848	·128	·134	·136	·138	·140	·137	·136	·134	·133	·135	·133
Hourly Means		·114	·115	·117	·117	·117	·114	·109	·107	·104	·103	·102
MARCH.	1843	·096	·104	·103	·103	·100	·098	·092	·090	·087	·085	·082
	1844	·144	·155	·160	·157	·162	·156	·156	·149	·145	·145	·143
	1845	·153	·158	·156	·156	·150	·155	·146	·145	·146	·152	·145
	1846	·168	·167	·174	·173	·164	·173	·164	·157	·158	·149	·149
	1847	·114	·114	·114	·114	·116	·117	·114	·107	·104	·104	·101
	1848	·143	·152	·152	·152	·149	·150	·144	·137	·136	·137	·138
Hourly Means		·136	·142	·143	·143	·140	·141	·136	·131	·129	·129	·126
APRIL.	1843	·205	·207	·205	·212	·207	·206	·204	·197	·191	·187	·182
	1844	·275	·280	·281	·282	·275	·289	·250	·249	·237	·237	·231
	1845	·201	·205	·200	·197	·202	·195	·193	·191	·194	·193	·183
	1846	·218	·216	·218	·210	·213	·214	·214	·208	·206	·206	·202
	1847*	—	—	—	—	—	—	—	—	—	—	—
	1848	·198	·194	·200	·201	·198	·195	·193	·192	·187	·181	·180
Hourly Means		·219	·220	·221	·220	·219	·220	·212	·207	·203	·201	·196
MAY.	1843	·262	·266	·265	·258	·252	·253	·235	·230	·229	·224	·218
	1844	·385	·362	·344	·331	·337	·331	·322	·310	·298	·292	·287
	1845	·292	·288	·287	·284	·286	·277	·266	·254	·244	·240	·236
	1846	·371	·369	·370	·362	·364	·360	·360	·338	·313	·316	·313
	1847	·345	·346	·348	·346	·340	·353	·341	·328	·322	·314	·307
	1848	·358	·358	·355	·345	·345	·349	·337	·327	·314	·304	·298
Hourly Means		·336	·331	·328	·321	·321	·321	·310	·298	·287	·282	·276
JUNE.	1843	·444	·442	·446	·446	·433	·425	·419	·402	·387	·378	·365
	1844	·431	·447	·439	·433	·431	·442	·423	·400	·376	·365	·352
	1845	·448	·435	·439	·438	·450	·438	·416	·414	·396	·388	·385
	1846	·459	·458	·458	·457	·457	·453	·455	·440	·409	·398	·391
	1847	·434	·441	·428	·436	·424	·427	·401	·390	·375	·357	·350
	1848	·460	·454	·446	·456	·450	·433	·430	·417	·412	·393	·392
Hourly Means		·446	·446	·443	·444	·441	·436	·424	·410	·393	·380	·373

*The record of the Wet Thermometer, for the month of April 1847, has been cancelled.

at every Hour from July 1842 *to June* 1848, *inclusive.*

11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means of the 24 Hours
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·136	·124	·122	·125	·124	·124	·126	·129	·126	·129	·134	·136	·141	·135
·093	·092	·089	·089	·088	·086	·084	·086	·084	·088	·099	·091	·096	·094
·109	·113	·112	·112	·110	·110	·107	·117	·115	·116	·122	·128	·130	·119
·120	·122	·118	·116	·114	·111	·112	·113	·114	·115	·119	·123	·125	·123
·094	·096	·096	·097	·096	·094	·092	·094	·096	·094	·095	·098	·098	·098
·137	·132	·130	·130	·131	·131	·129	·142	·141	·138	·141	·143	·147	·141
·115	·113	·111	·112	·110	·109	·108	·114	·113	·113	·118	·120	·123	·118
·045	·046	·044	·052	·041	·039	·053	·039	·040	·040	·049	·051	·055	·052
·116	·125	·126	·123	·122	·119	·119	·112	·112	·113	·118	·124	·126	·124
·113	·118	·116	·118	·115	·110	·113	·099	·099	·108	·117	·113	·119	·116
·103	·098	·098	·094	·090	·089	·087	·096	·097	·103	·106	·113	·114	·106
·095	·095	·093	·092	·093	·093	·091	·090	·090	·092	·096	·103	·104	·100
·132	·125	·124	·119	·120	·118	·117	·114	·114	·118	·126	·127	·126	·129
·101	·101	·100	·100	·097	·095	·097	·092	·092	·096	·102	·105	·107	·104
·079	·081	·081	·076	·076	·077	·085	·071	·072	·080	·087	·091	·093	·087
·142	·145	·141	·135	·136	·132	·131	·134	·135	·139	·130	·149	·149	·145
·145	·157	·154	·156	·153	·152	·150	·143	·144	·156	·154	·157	·160	·152
·143	·147	·148	·142	·140	·143	·142	·137	·139	·151	·157	·163	·164	·155
·100	·103	·101	·101	·096	·097	·092	·093	·094	·100	·102	·107	·107	·105
·135	·133	·127	·127	·127	·124	·124	·118	·121	·127	·128	·131	·133	·135
·124	·128	·125	·123	·121	·121	·121	·116	·117	126	·126	·133	·136	·130
·181	·182	·180	·176	·176	·175	·166	·156	·165	·181	·187	·200	·203	·189
·228	·222	·221	·217	·216	·218	·215	·214	·226	·235	·252	·262	·269	·248
·184	·178	·175	·173	·174	·173	·173	·175	·177	·186	·193	·192	·199	·188
·202	·202	·203	·200	·198	·194	·187	·183	·197	·197	·211	·216	·219	·206
—	—	—	—	—	—	—	—	—	—	—	—	—	—
·180	·178	·174	·174	·168	·169	·166	·166	·175	·173	·184	·187	·192	·184
·195	·192	·191	·188	·186	·186	·181	·179	·188	·194	·205	·211	·216	·203
·217	·217	·217	·220	·215	·214	·217	·217	·232	·247	·259	·254	·259	·236
·282	·280	·273	·267	·266	·266	·269	·278	·293	·309	·327	·340	·358	·309
·223	·225	·220	·220	·214	·213	·213	·230	·240	·238	·253	·268	·282	·250
·309	·291	·287	·288	·290	·286	·289	·302	·317	·328	·345	·358	·358	·328
·301	·289	·286	·282	·282	·279	·282	·294	·307	·320	·332	·337	·344	·318
·294	·289	·283	·279	·278	·271	·274	·298	·307	·321	·334	·346	·356	·317
·271	·265	·261	·259	·257	·255	·257	·270	·283	·294	·308	·317	·326	·293
·346	·351	·346	·342	·335	·331	·342	·347	·371	·385	·397	·415	·430	·389
·349	·351	·346	·338	·337	·336	·335	·349	·372	·389	·385	·398	·423	·385
·360	·382	·363	·355	·352	·345	·341	·370	·376	·389	·410	·438	·453	·400
·384	·383	·374	·368	·360	·356	·363	·392	·412	·427	·447	·461	·462	·418
·348	·346	·336	·336	·329	·312	·315	·349	·371	·388	·409	·418	·428	·381
·389	·390	·388	·376	·369	·367	·368	·398	·416	·441	·458	·464	·468	·418
·366	·367	·359	·352	·347	·341	·344	·367	·386	·403	·418	·432	·444	·398

TABLE LVI.—*Monthly Means of the Elastic Force of the Aqueous Vapour*

Mean Toronto Astron. Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.
		In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
JULY.	1842	·468	·478	·478	·472	·467	·469	·459	·423	·412	·404	·405
	1843	·500	·502	·490	·486	·497	·492	·481	·459	·427	·414	·397
	1844	·509	·519	·503	·520	·522	·519	·524	·511	·466	·452	·438
	1845	·483	·483	·484	·478	·479	·473	·464	·464	·451	·539	·426
	1846	·528	·523	·534	·522	·521	·506	·516	·509	·488	·471	·459
	1847	·580	·591	·582	·576	·567	·557	·557	·540	·523	·507	·490
Hourly Means.		·511	·513	·512	·509	·509	·503	·500	·484	·461	·448	·436
AUGUST.	1842	·515	·531	·538	·528	·535	·525	·511	·487	472	·461	·456
	1843	·562	·586	·575	·572	·567	·567	·559	·521	494	·470	·457
	1844	·520	·521	·531	·541	·524	·510	·496	·469	·464	·450	·439
	1845	·562	·566	·568	·556	·558	·566	·553	·516	·497	·477	·466
	1846	·588	·581	·571	·563	·548	·545	·544	·514	·506	·494	·484
	1847	·531	·528	·522	·520	·521	·515	·517	·499	·480	·462	·451
Hourly Means.		·546	·552	·551	·547	542	·538	·530	·501	·485	·469	·459
SEPTEMBER	1842	·356	·349	·351	·349	·347	·357	·349	·338	·334	·322	·322
	1843	·431	·450	·450	·445	·439	·426	·408	·390	·384	·402	·370
	1844	·431	·422	·419	·421	·417	·417	·396	·388	·357	·352	·346
	1845	·388	·375	·384	·383	·380	·384	·369	·354	·345	·349	·340
	1846	·503	·500	·502	·496	·492	·490	·493	·473	·468	·456	·439
	1847	·403	·402	·399	·395	·393	·383	·386	·370	·363	·355	·348
Hourly Means.		·419	·416	·417	·415	·411	·411	·400	·386	·375	·373	·361
OCTOBER.	1842	·266	·264	·266	·266	·259	·249	·245	·244	·241	·237	·235
	1843	·249	·233	·230	·232	·228	·226	·223	·230	·226	·218	·216
	1844	·253	·251	·249	·248	·249	·249	·239	·228	·229	·229	·226
	1845	·284	·286	·286	·286	·285	·278	·266	·263	·259	·259	·255
	1846	·263	·266	·255	·257	·251	·251	·248	·240	·234	·230	·228
	1847	·249	·253	·250	·249	·247	·241	·241	·239	·237	·234	·227
Hourly Means.		·261	·259	·256	·256	·253	·249	·244	·241	·238	·234	·231
NOVEMBER.	1842	·176	·184	·176	·176	·176	·167	·169	·166	·163	·163	·162
	1843	·162	·169	·167	·169	·164	·163	·165	·166	·167	·167	·161
	1844	·185	·187	·189	·188	·185	·186	·180	·172	·168	·166	·164
	1845	·189	·189	·188	·188	·189	·185	·184	·184	·180	·178	·176
	1846	·225	·224	·238	·226	·221	·220	·216	·215	·215	·215	·210
	1847	·218	·221	·221	·217	·214	·215	·210	·208	·207	·208	·206
Hourly Means.		·193	·196	·196	·194	·192	·189	·187	·185	·183	·182	180
DECEMBER.	1842	·117	·120	·121	·119	·119	·113	·110	·110	·109	·107	·100
	1843	·149	·150	·150	·151	·150	·151	·145	·145	·141	·140	·140
	1844	·140	·143	·143	·143	·136	·137	·137	·132	·132	·131	·128
	1845	·103	·106	·111	·111	·106	·102	·100	·097	·097	·091	·093
	1846	·128	·132	·135	·135	·133	·133	·131	·131	·127	·128	·126
	1847	·162	·164	·165	·166	·165	·165	·163	·162	·157	·158	·159
Hourly Means.		·133	·136	·137	·138	·135	·134	·131	·129	·127	·126	·124

Aqueous Vapour

9h.	10h.
In.	In.
·404	·405
·414	·397
·452	·438
·539	·426
·471	·459
·507	·490
·448	·436
·461	·456
·470	·457
·450	·439
·477	·466
·494	·484
·462	·451
·469	·459
·322	·322
·402	·370
·352	·346
·349	·340
·456	·439
·355	·348
·373	·361
·237	·235
·218	·216
·229	·226
·259	·255
·230	·228
·234	·227
·234	·231
·163	·162
·167	·161
·166	·164
·178	·176
·215	·210
·208	·206
·182	180
·107	·100
·140	·140
·131	·128
·091	·093
·128	·126
·158	·159
·126	·124

at every Hour from July 1842 *to June* 1848, *inclusive.*

11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means of the 24 Hours.
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·390	·379	·380	·374	·369	·363	·364	·398	·416	·433	·441	·450	·462	·423
·390	·381	·376	·372	·370	·363	·363	·404	·433	·443	·452	·507	·489	·437
·431	·426	·418	·413	·413	·412	·409	·446	·443	·479	·484	·494	·511	·469
·418	·414	·402	·399	·394	·390	·386	·412	·436	·447	·454	·462	·464	·442
·449	·453	·446	·442	·417	·428	·431	·480	·523	·533	·540	·528	·524	·490
·481	·463	·465	·460	·449	·432	·431	·476	·516	·538	·567	·570	·575	·521
·426	·419	·415	·410	·402	·398	·397	·436	·461	·479	·490	·502	·504	·464
·449	·442	·437	·427	·424	·422	·425	·430	·454	·475	·519	·497	·510	·478
·449	·449	·444	·438	·429	·423	·419	·433	·462	·491	·521	·534	·550	·499
·431	·428	·424	·420	·417	·412	·411	·424	·450	·467	·486	·510	·517	·469
·456	·458	·449	·451	·444	·444	·436	·456	·504	·531	·558	·547	·558	·507
·476	·467	·452	·444	·437	·438	·431	·450	·487	·520	·537	·569	·580	·509
·441	·437	·427	·420	·412	·409	·401	·421	·470	·499	·512	·518	·534	·477
·450	·447	·439	·433	·427	·425	·420	·436	·471	·497	·522	·529	·541	·490
·316	·327	·317	·315	·313	·305	·290	·297	·325	·336	·343	·345	·358	·332
·363	·357	·355	·351	·346	·345	·368	·356	·372	·379	·390	·429	·421	·393
·338	·337	·330	·317	·316	·310	·310	·331	·362	·385	·403	·406	·426	·372
·339	·328	·324	·317	·317	·310	·303	·313	·344	·358	·375	·383	·388	·352
·422	·430	·420	·415	·400	·396	·393	·400	·430	·456	·473	·494	·498	·456
·346	·342	·335	·329	·322	·324	·319	·326	·346	·367	·381	·396	·394	·364
·354	·354	·347	·341	·336	·332	·330	·337	·363	·380	·394	·409	·414	·378
·234	·230	·228	·225	·224	·222	·217	·219	·230	·245	253	·259	·264	·243
·212	·205	·205	·203	·201	·203	·200	·209	·209	·227	·226	·227	·226	·219
·220	·230	·202	·206	·206	·204	·204	·205	·212	·226	·241	·249	·247	·229
·254	·239	·233	·234	·233	·236	·233	·234	·239	·252	·265	·269	·275	·258
·226	·235	·235	·230	·229	·227	·226	·227	·230	·239	·242	·256	·264	·241
·226	·226	·220	·218	·216	·214	·217	·214	·225	·237	·248	·248	·253	·235
·222	·228	·221	·219	·218	·218	·216	·218	·224	·238	·246	·251	·255	·238
·158	·156	·154	·155	·152	·152	·155	·154	·156	·158	·166	·172	·174	·164
·159	·158	·156	·154	·147	·153	·152	·152	·153	·154	·154	·157	·160	·160
·162	·163	·162	·162	·159	·158	·158	·157	·161	·165	·168	·178	·185	·171
·176	·167	·165	·165	·165	·165	·164	·169	·169	·173	·178	·181	·191	·177
·207	·205	·202	·200	·199	·199	·200	·210	·208	·210	·220	·225	·226	·214
·202	·200	·200	·201	·200	·198	·196	·202	·200	·206	·213	·219	·220	·208
·177	·175	·173	·173	·170	·171	·171	·174	·175	·178	·183	·189	·193	·182
·099	·106	·102	·096	·100	·096	·099	·098	·094	·105	·107	·112	·117	·107
·138	·142	·142	·141	·141	·138	·139	·140	·140	·140	·142	·143	·144	143
·130	·132	·126	·125	·124	·126	·127	·128	·127	·129	·133	·134	·139	·133
·091	·090	·087	·083	·086	·087	·084	·086	·084	·089	·095	·101	·101	·095
·125	·124	·124	·121	·123	·120	·120	·114	·113	·110	·117	·123	·126	·125
·160	·158	·156	·143	·148	·151	·149	·147	·146	·146	·149	·155	·162	·157
·124	·125	·123	·118	·120	·120	·120	·119	·117	·120	·124	·128	·131	·127

TABLE LVII.—*Mean Monthly Degree of the Humidity of the Air at*

Mean Toronto Astron. Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.
JANUARY.	1843	84	85	83	80	80	82	85	84	85	84	86
	1844	80	79	80	81	81	82	82	83	83	83	82
	1845	81	82	82	79	79	81	83	81	78	80	80
	1846	80	80	81	81	81	82	82	82	84	85	85
	1847	70	70	68	69	71	74	76	78	79	80	81
	1848	86	86	89	88	86	87	88	89	91	92	93
Hourly Means.		80	80	81	80	80	81	83	83	83	84	84
FEBRUARY.	1843	60	57	58	58	58	57	55	54	55	55	54
	1844	78	76	73	76	78	78	81	84	86	84	86
	1845	78	79	78	78	77	76	77	76	77	77	76
	1846	75	73	72	72	76	78	78	78	79	82	81
	1847	74	72	75	74	74	76	78	77	78	79	81
	1848	73	73	73	74	77	79	85	88	89	93	93
Hourly Means.		73	72	71	72	73	74	76	76	77	78	79
MARCH.	1843	66	69	67	67	66	65	68	72	72	73	74
	1844	69	75	75	74	78	76	79	80	81	84	84
	1845	62	63	60	63	61	65	65	67	70	74	74
	1846	73	72	74	74	72	79	78	79	84	83	84
	1847	64	64	62	62	66	68	70	70	70	73	74
	1848	74	76	74	74	74	78	79	81	85	88	89
Hourly Means.		68	70	69	69	69	72	73	75	77	79	80
APRIL.	1843	69	67	64	66	64	65	70	75	75	77	77
	1844	69	65	64	62	64	66	64	71	75	80	82
	1845	64	64	62	60	64	62	66	71	74	77	74
	1846	63	61	60	58	60	63	67	72	75	79	79
	1847[a]	—	—	—	—	—	—	—	—	—	—	—
	1848	64	61	64	64	64	65	66	72	73	73	74
Hourly Means.		66	64	63	62	63	64	67	72	74	77	77
MAY.	1843	64	61	60	57	54	55	56	62	68	73	73
	1844	76	67	64	63	63	61	64	70	74	76	79
	1845	65	63	62	61	61	60	61	64	69	75	77
	1846	71	69	68	66	67	68	70	72	71	80	80
	1847	65	64	63	64	64	68	69	74	76	79	79
	1848	68	67	67	66	66	69	72	75	78	79	81
Hourly Means.		68	65	64	63	63	64	65	69	73	77	78
JUNE.	1843	78	74	72	71	67	68	69	73	78	83	85
	1844	71	71	67	64	62	63	63	69	75	79	81
	1845	70	66	67	67	67	65	66	72	77	81	84
	1846	66	64	64	64	63	63	67	71	74	78	79
	1847	74	74	72	73	72	76	72	77	79	81	82
	1848	64	63	61	60	60	62	65	68	74	78	81
Hourly Means.		71	69	67	67	65	68	67	72	76	80	82

[a] Observations of the Wet Thermometer in the month of April 1847 have been cancelled.

dity of the Air at

every Hour from July 1842 to June 1848, inclusive.

9h.	10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means of the 24 Hours
84	86	87	83	83	84	85	84	86	88	86	88	88	86	83	85
83	82	83	85	86	86	86	85	82	83	82	85	97	82	82	83
80	80	80	84	83	83	83	83	82	83	83	83	86	85	83	82
85	85	84	87	86	87	86	86	87	86	86	86	86	83	81	84
80	81	78	79	80	80	80	78	78	77	79	78	75	72	70	76
92	93	94	95	94	94	94	94	94	99	99	96	93	90	88	92
84	84	84	86	85	86	86	85	85	86	86	86	88	83	81	84
55	54	54	56	54	67	52	49	30	52	53	51	57	54	54	55
84	86	85	86	86	85	86	84	85	85	86	85	84	82	78	82
77	76	77	79	79	81	82	81	84	77	78	82	82	75	76	78
82	81	83	83	87	85	86	87	87	88	86	87	80	79	75	81
79	81	82	84	82	83	83	84	84	82	85	82	80	78	74	79
93	93	95	92	94	92	93	93	92	91	91	91	85	79	74	86
78	79	79	80	80	82	80	80	78	79	80	80	78	74	72	77
73	74	74	78	78	74	75	77	86	73	72	70	74	70	67	72
84	84	84	86	86	84	86	85	85	86	86	85	71	80	78	81
74	74	73	81	81	84	83	84	84	82	80	78	72	68	66	73
83	84	82	84	85	82	82	86	85	83	81	81	76	74	72	79
73	74	75	76	76	77	76	78	76	77	76	73	69	67	63	71
88	89	90	92	89	90	90	89	90	91	89	86	79	77	73	83
79	80	80	83	82	82	82	83	84	82	81	79	74	73	70	76
77	77	79	79	80	79	81	82	79	75	74	75	74	74	72	74
80	82	81	79	81	81	83	85	85	87	83	78	76	74	72	75
77	74	75	75	76	78	79	79	79	77	74	71	68	65	65	71
79	79	80	81	81	82	84	83	80	79	75	70	71	68	66	72
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
73	74	78	79	79	80	80	82	83	81	77	68	68	65	64	72
77	77	79	79	79	80	81	82	81	80	77	72	71	69	68	73
73	73	75	75	76	80	80	81	81	78	73	70	73	66	64	69
76	79	80	84	84	84	86	87	88	84	81	80	78	76	75	76
75	77	75	76	78	81	81	82	82	79	75	68	66	65	66	70
80	80	81	81	81	85	86	87	87	83	78	75	73	72	71	76
79	79	81	81	82	84	86	87	88	88	80	75	72	68	67	75
79	81	81	84	87	87	90	90	91	88	81	77	73	71	70	77
77	78	79	80	81	84	85	86	86	83	78	74	73	70	69	74
83	85	84	86	88	89	90	92	93	89	86	86	82	80	79	81
79	81	83	86	87	86	87	87	87	86	83	80	71	73	72	76
81	84	86	85	85	86	88	89	88	85	77	75	74	74	73	77
78	79	79	80	80	80	81	81	82	81	76	73	72	71	68	73
81	82	84	85	85	86	86	82	81	85	83	79	79	76	75	79
78	81	83	87	89	89	90	90	89	87	81	76	74	71	68	75
80	82	83	85	86	86	87	87	87	86	81	78	75	74	73	77

TABLE LVII.—*Mean Monthly Degree of the Humidity of the Air at*

Mean Toronto Astron. Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.
JULY.	1842	64	62	58	57	57	58	58	62	71	76	80
	1843	69	61	61	60	61	60	61	66	73	77	79
	1844	67	66	63	64	64	63	66	73	77	81	83
	1845	60	58	57	55	57	57	60	67	75	78	78
	1846	63	63	63	60	60	59	65	72	76	80	80
	1847	68	69	68	67	66	68	72	77	82	86	86
Hourly Means.		65	63	62	61	61	61	64	69	76	80	81
AUGUST.	1842	70	70	69	66	67	66	68	75	81	83	84
	1843	73	71	67	67	65	67	69	77	83	83	84
	1844	74	72	72	72	70	67	72	75	84	85	86
	1845	68	67	65	64	65	67	72	75	79	81	83
	1846	70	68	67	65	64	66	70	73	78	81	81
	1847	72	71	69	69	70	72	76	82	86	88	88
Hourly Means.		71	70	68	67	67	68	71	76	82	84	84
SEPTEMBER.	1842	67	64	63	62	62	65	72	78	81	82	85
	1843	75	74	73	71	72	73	77	81	83	90	85
	1844	71	67	66	66	65	66	73	81	80	81	83
	1845	73	70	70	70	70	76	76	80	81	86	87
	1846	73	74	72	72	73	76	79	82	83	85	85
	1847	77	77	76	76	77	79	82	86	88	87	88
Hourly Means.		73	71	70	70	70	72	77	81	83	85	86
OCTOBER.	1842	72	69	69	69	69	71	77	80	83	84	87
	1843	79	73	73	73	74	78	82	88	88	87	88
	1844	74	73	71	70	72	77	82	81	84	85	87
	1845	75	75	75	76	77	80	83	86	88	88	88
	1846	76	74	72	73	73	77	82	82	82	83	85
	1847	72	73	70	71	71	75	79	82	83	86	85
Hourly Means.		75	73	72	72	73	76	81	83	85	86	87
NOVEMBER.	1842	81	83	80	80	83	84	89	88	89	90	89
	1843	77	79	78	79	80	81	84	86	87	88	87
	1844	79	78	78	78	79	85	87	86	86	87	87
	1845	76	75	74	76	80	80	81	83	82	83	84
	1846	79	77	79	78	78	82	82	83	84	85	84
	1847	84	84	84	83	84	88	89	90	89	90	89
Hourly Means.		79	79	79	79	81	83	85	86	86	87	87
DECEMBER.	1842	76	75	76	74	77	76	76	78	78	77	74
	1843	79	79	79	80	82	85	83	84	83	84	84
	1844	79	79	79	80	78	82	84	81	82	85	85
	1845	76	77	79	79	78	78	80	79	79	76	77
	1846	77	77	76	76	77	79	80	80	80	81	81
	1847	87	87	87	88	89	92	93	94	91	93	94
Hourly Means.		79	79	79	79	80	82	83	83	82	83	83

ity of the Air at

9h.	10h.
76	80
77	79
81	83
78	78
80	80
86	86
80	81
83	84
83	84
85	86
81	83
81	81
88	88
84	84
82	85
90	85
81	83
86	87
85	85
87	88
85	86
84	87
87	88
85	87
88	88
83	85
86	85
86	87
90	89
88	87
87	87
83	84
85	84
90	89
87	87
77	74
84	84
85	85
76	77
81	81
93	94
83	83

every Hour from July 1842 *to June* 1848, *inclusive.*

11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means of the 24 Hours.
81	82	84	85	86	87	87	87	80	76	72	70	67	73
82	84	85	85	86	88	89	87	83	79	76	79	72	75
84	87	88	88	90	91	91	88	82	78	76	73	70	77
80	82	84	86	87	88	86	82	77	71	65	64	60	71
83	86	85	86	84	88	88	87	83	76	73	66	65	75
86	82	88	88	89	88	88	87	83	78	74	71	69	78
83	84	86	86	87	88	88	86	81	76	73	71	67	75
85	86	86	86	87	88	87	90	86	82	83	73	72	79
86	88	88	91	91	92	92	92	88	82	79	75	73	80
87	88	90	91	92	91	92	92	88	84	82	80	77	82
83	88	87	88	90	91	91	88	85	80	80	72	69	78
82	84	84	84	85	86	86	85	81	76	75	73	71	76
88	89	90	91	91	92	92	91	90	82	79	75	74	82
85	87	88	89	89	90	90	90	86	81	80	75	73	80
85	86	85	86	85	85	85	87	88	83	77	73	71	77
87	86	86	86	86	86	94	90	87	83	79	81	76	82
85	86	86	85	86	88	89	90	89	84	81	76	74	79
88	88	89	90	91	92	92	91	89	85	81	76	76	82
83	86	86	86	87	88	88	88	86	83	79	77	74	81
90	91	91	91	93	92	92	92	91	86	82	80	78	85
86	87	87	87	88	89	90	90	88	84	80	77	75	81
88	89	90	91	92	92	91	91	92	90	82	78	75	82
89	89	89	90	89	91	91	92	91	93	83	78	75	84
88	93	86	88	88	88	89	89	89	86	84	82	76	83
88	89	88	89	90	92	91	90	90	86	80	77	75	84
86	87	89	88	89	88	89	89	88	85	83	78	77	82
88	89	89	89	88	88	89	89	90	88	83	77	75	82
88	89	89	89	89	90	90	90	90	88	83	78	75	83
88	89	88	89	89	89	89	89	91	88	86	85	82	87
88	90	90	90	89	90	90	90	89	87	81	78	78	85
88	88	89	89	90	90	87	88	91	89	84	81	82	85
86	85	84	86	86	87	86	86	86	86	81	79	79	82
84	87	86	86	86	86	88	89	89	87	87	84	81	84
88	89	90	93	94	94	93	94	95	93	91	89	87	89
87	88	88	89	89	89	89	89	90	88	85	83	82	85
73	79	77	76	79	77	78	77	76	81	80	78	77	77
84	86	87	85	87	84	87	87	87	85	84	81	78	83
85	87	86	86	86	87	86	87	86	86	84	81	80	83
77	78	77	76	81	81	78	82	81	83	83	82	77	79
80	82	83	84	85	85	84	83	83	81	82	81	78	81
94	96	95	84	92	95	94	95	95	94	91	90	91	92
82	85	84	82	85	85	84	85	85	85	84	82	80	82

TABLE LVIII.

Mean Temperature of the Air for the period from July 1842 *to June* 1848 *inclusive.*

Toronto Astron. Time.	0h.	1h.	2h	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
	°	°	°	°	°	°	°	°	°	°	°	°
Janusry . .	27·83	28·33	28 60	28·57	28·05	27·05	26·23	25·70	25·38	25·18	24·80	24·48
February . .	27·07	27·93	28·33	28·32	27·77	26·57	25·12	24·13	23·28	22·63	22·08	21·57
March . . .	34·00	34·65	35·22	35·02	34·55	33·80	32·12	30·65	29·68	28·68	28·03	27·38
April . . .	47·53	48·47	48·85	48·92	48·53	47·80	46·00	43·47	41·88	40·80	40·03	39·53
May . . .	58·80	59·72	60·07	60·13	60·08	59·70	57·95	55·08	52·37	50·62	49·65	48·73
June . . .	66·55	67·28	67·70	68·08	68·32	67·72	66·42	63·68	60·38	58·22	56·88	55·92
July . . .	72·85	73·77	74·62	74·82	74·83	74·37	72·93	69·45	65·25	62·88	61·65	60·47
August. . .	72·30	73·07	73·65	74·00	73·85	73·30	71·40	67·42	64·50	62·92	61·90	61·10
September . .	63·52	64·12	64·52	64·55	64·33	63·37	60·70	58·00	56·72	55·68	54·62	53·98
October . .	49·50	49·93	50·28	50·05	49·32	47·57	45·52	44·42	43·68	42·92	42·17	41·50
November . .	39·57	39·97	40·05	39·88	38·98	37·77	36·95	36·38	36·07	35·78	35·43	35·08
December . .	29·93	30·65	30·80	30·55	29·90	28·95	28·25	27·92	27·53	27·28	26·98	26·87
Hourly Means	49·12	49·82	50·22	50·24	49·88	49·00	47·47	45·53	43·89	42·82	42·02	41·38

	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Monthy Means.
	°	°	°	°	°	°	°	°	°	°	°	°	°
January . .	23·80	23·33	23·25	23·10	23·00	22·82	23·55	23·45	23·68	24·65	25·88	27·05	25·32
February . .	21·45	21·07	20·73	20·30	20·00	19·65	19·08	18·95	19·97	22·27	24·28	25·87	23·27
March . . .	27·33	26·85	26·47	26·18	25·80	25·28	25·00	25·87	27·85	30·02	31·75	32·98	29·80
April . . .	39·37	38·62	37·95	37·75	37·32	36·95	37·08	39·37	41·62	43·60	45·12	46·50	42·63
May . . .	47·88	47·02	46·18	45·47	45·00	45·05	47·50	50·48	52·70	55·02	56·72	57·85	52·91
June . . .	55·37	54·68	53·98	53·29	52·63	52·82	55·47	58·28	60·62	62·50	64·17	65·45	60·68
July . . .	59·45	58·58	58·02	57·30	56·67	56·62	59·83	63·50	66·10	68·30	70·00	71·55	65·99
August. . .	60·30	59·65	58·97	58·30	57·92	57·73	59·18	62·15	65·42	67·92	69·90	71·35	65·76
September . .	53·63	53·02	52·43	51·97	51·38	50·75	51·43	53·98	56·73	59·15	61·12	62·55	57·59
October . .	40·95	40 35	40·03	39·87	39·57	39·40	39·62	40·37	42·62	45·30	47·23	48·60	44·20
November . .	34·42	34·13	33·85	33·53	33·37	33·48	33·75	33·75	34·80	36·33	37·77	38·78	36·24
December . .	26·53	25·95	25·58	25·45	25·42	25·40	24·98	24·82	25·25	26·43	27·88	29·12	27·44
Hourly Means	40·87	40·27	39·79	39·37	39·01	38·83	39·71	41·25	43·11	45·12	46·82	48·14	44·32

TABLE LIX.

Mean Height of the Barometer for the period from July 1842 *to June* 1848 *inclusive.*

Barometer at 32° = 29 English inches + the decimals in the Table.

Toronto Astron. Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
January . .	·610	·596	·593	·599	·604	·610	·618	·622	·623	·623	·621	·619
February . .	·623	·606	·596	·596	·596	·600	·607	·614	·616	·618	·617	·614
March . . .	·630	·616	·604	·600	·600	·605	·609	·615	·622	·627	·626	·626
April . . .	·674	·666	·654	·644	·640	·642	·642	·643	·652	·653	·650	·648
May . . .	·573	·563	·555	·546	·540	·538	·540	·544	·553	·562	·565	·566
June . . .	·590	·580	·572	·565	·558	·553	·553	·556	·560	·571	·573	·575
July . . .	·602	·593	·584	·576	·570	·564	·567	·569	·574	·586	·588	·590
August . .	·654	·646	·635	·624	·620	·617	·618	·619	·628	·633	·633	·635
September .	·659	·649	·636	·628	·625	·625	·626	·632	·641	·642	·643	·642
October . .	·666	·653	·645	·643	·643	·647	·652	·656	·660	·663	·665	·663
November .	·626	·615	·608	·610	·612	·616	·621	·622	·622	·622	·621	·618
December .	·640	·628	·621	·625	·632	·634	·640	·644	·643	·641	·641	·638
Hourly Means	·629	·618	·608	·605	·603	·604	·608	·611	·616	·620	·620	·620

TABLE LIX.—*continued.*

Mean Height of the Barometer for the period from July 1842 *to June* 1848 *inclusive.*

Barometer at 32° = 29 English inches + the decimals in the Table.

Toronto Astron. Time.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Monthly Means.
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
January . .	·618	·620	·625	·623	·617	·613	·617	·622	·634	·641	·643	·631	·618
February . .	·602	·602	·604	·604	·605	·607	·614	·625	·638	·644	·643	·639	·614
March . .	·619	·619	·618	·613	·613	·620	·626	·637	·643	·645	·644	·638	·622
April . . .	·644	·637	·636	·637	·638	·646	·673	·685	·692	·693	·692	·685	·657
May . . .	·562	·560	·558	·560	·562	·574	·582	·589	·592	·590	·590	·583	·565
June . . .	·568	·566	·565	·566	·572	·585	·595	·602	·605	·604	·603	·598	·577
July . . .	·586	·584	·583	·583	·587	·598	·603	·610	·614	·614	·613	·609	·589
August . .	·633	·629	·626	·626	·629	·635	·651	·659	·663	·666	·667	·662	·638
September .	·637	·636	·636	·636	·640	·648	·665	·672	·674	·678	·676	·669	·647
October . .	·663	·666	·664	·662	·664	·668	·664	·677	·684	·686	·684	·679	·663
November .	·626	·626	·629	·628	·628	·626	·630	·638	·647	·648	·651	·642	·626
December. .	·637	·635	·641	·641	·635	·634	·649	·654	·665	·669	·673	·659	·643
Hourly Means	·616	·615	·615	·615	·616	·621	·631	·639	·646	·648	·648	·641	·621

TABLE LX.

Mean Elastic Force of the Aqueous Vapour for the period from July 1842 *to June* 1848 *inclusive.*

Toronto Astron. Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
January . .	·126	·127	·129	·128	·125	·123	·121	·118	·118	·117	·116	·115
February . .	·114	·115	·117	·117	·117	·114	·109	·107	·104	·103	·102	·101
March . . .	·136	·142	·143	·143	·140	·141	·136	·131	·129	·129	·126	·124
April . . .	·219	·220	·221	·220	·219	·220	·212	·207	·203	·201	·196	·195
May . . .	·336	·331	·328	·321	·321	·321	·310	·298	·287	·282	·276	·271
June . . .	·446	·446	·443	·444	·441	·436	·424	·410	·393	·380	·373	·366
July . . .	·511	·516	·512	·509	·509	·503	·500	·484	·461	·448	·436	·426
August . . .	·546	·552	·551	·547	·542	·538	·530	·501	·485	·469	·459	·450
September . .	·419	·416	·417	·415	·411	·411	·400	·386	·375	·373	·361	·354
October. . .	·261	·259	·256	·256	·253	·249	·244	·241	·236	·234	·231	·222
November . .	·193	·196	·196	·194	·192	·189	·187	·185	·183	·182	·180	·177
December . .	·133	·136	·137	·138	·135	·134	·131	·129	·127	·126	·124	·124
Hourly Means	·287	·288	·288	·286	·284	·282	·275	·266	·259	·254	·248	·244

Toronto Astron. Time.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Monthly Means.
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
January . .	·113	·111	·112	·110	·109	·108	·114	·113	·113	·118	·120	·123	·118
February . .	·101	·100	·100	·097	·095	·097	·092	·092	·096	·102	·105	·107	·104
March . . .	·128	·125	·123	·121	·121	·121	·116	·117	·126	·126	·133	·136	·130
April . . .	·192	·191	·188	·186	·186	·181	·179	·188	·194	·205	·211	·216	·203
May . . .	·265	·261	·259	·257	·255	·257	·270	·283	·294	·308	·317	·326	·293
June . . .	·367	·359	·352	·347	·341	·344	·367	·386	·403	·418	·432	·444	·398
July . . .	·419	·415	·410	·402	·398	·397	·436	·461	·479	·490	·502	·504	·464
August . . .	·447	·439	·433	·427	·425	·420	·436	·471	·497	·522	·529	·541	·490
September . .	·354	·347	·341	·336	·332	·330	·337	·363	·380	·394	·409	·414	·378
October . .	·228	·221	·219	·218	·218	·216	·218	·224	·238	·246	·251	·255	·238
November . .	·175	·173	·173	·170	·171	·171	·174	·175	·178	·183	·189	·193	·182
December . .	·125	·123	·118	·120	·120	·120	·119	·117	·120	·124	·128	·131	·127
Hourly Means	·243	·239	·236	·233	·231	·230	·238	·249	·260	·270	·277	·283	·260

TABLE LXI.

Mean Gaseous Pressure for the period from July 1842 *to June* 1848 *inclusive.*

29 English inches + the decimals in the Table.

Toronto Astron. Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
January . .	·484	·469	·464	·471	·479	·487	·497	·504	·505	·506	·505	·504
February . .	·509	·491	·479	·479	·479	·486	·498	·507	·512	·515	·515	·513
March . .	·494	·474	·461	·457	·460	·464	·473	·484	·493	·498	·500	·502
April . . .	·455	·446	·433	·424	·421	·422	·430	·436	·449	·452	·454	·453
May . . .	·237	·232	·227	·225	·219	·217	·230	·246	·266	·280	·289	·295
June . . .	·144	·134	·129	·121	·117	·117	·129	·146	·167	·191	·200	·209
July . . .	·091	·077	·072	·067	·061	·061	·067	·085	·113	·138	·152	·164
August . .	·108	·094	·084	·077	·078	·079	·088	·118	·143	·164	·174	·185
September .	·240	·233	·219	·213	·214	·214	·226	·246	·266	·269	·282	·288
October . .	·405	·394	·389	·387	·390	·398	·408	·415	·422	·429	·434	·441
November .	·433	·419	·412	·416	·420	·427	·434	·437	·439	·440	·441	·441
December. .	·507	·492	·484	·487	·497	·500	·509	·515	·516	·515	·517	·514
Hourly Means	·342	·330	·321	·319	·320	·323	·332	·345	·358	·366	·372	·376

Toronto Astron. Time.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Monthly Means.
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
January . .	·505	·509	·513	·513	·508	·505	·503	·509	·521	·523	·523	·508	·500
February .	·501	·502	·504	·507	·510	·510	·522	·533	·542	·542	·538	·532	·510
March . .	·491	·494	·495	·492	·492	·499	·510	·520	·517	·519	·511	·502	·492
April . . .	·452	·446	·448	·451	·452	·465	·494	·497	·498	·488	·481	·469	·454
May . . .	·297	·299	·299	·303	·307	·217	·312	·306	·298	·282	·273	·257	·272
June . . .	·201	·207	·213	·219	·231	·241	·228	·216	·202	·186	·171	·154	·179
July . . .	·167	·169	·173	·181	·189	·201	·167	·149	·135	·124	·111	·105	·126
August . .	·186	·190	·193	·199	·204	·215	·215	·188	·166	·144	·138	·121	·148
September .	·283	·289	·295	·300	·308	·318	·328	·309	·294	·284	·267	·255	·269
October . .	·435	·445	·445	·444	·446	·452	·446	·453	·446	·440	·433	·424	·425
November .	·451	·453	·456	·458	·457	·455	·456	·463	·469	·465	·462	·449	·444
December .	·512	·514	·523	·521	·515	·514	·530	·537	·545	·545	·545	·528	·516
Hourly Means	·373	·376	·380	·382	·385	·391	·393	·390	·386	·379	·371	·359	·36

TABLE LXIII.

Mean Annual Variations of the Meteorological Phenomena.

MONTHS.	Thermometer.	Elastic Force of Vapour.	Humidity.	Barometer.	Gaseous Pressure.
	°	In.		In.	In.
January . .	−19·00	−·142	+ 5	−·003	+·139
February . .	−21·05	−·156	− 2	+·007	+·149
March . . .	−14·51	−·130	− 3	+·001	+·131
April . . .	− 1·68	−·057	− 6	+·036	+·093
May . . .	+ 8·59	+·033	− 5	−·056	−·089
June . . .	+16·37	+·138	− 2	−·044	−·182
July . . .	+21·67	+·204	− 4	−·032	−·235
August . . .	+21·42	+·230	+ 1	+·017	−·213
September . .	+13·27	+·118	+ 2	+·026	−·092
October . .	− 0·12	−·022	+ 4	+·042	+·064
November . .	− 8·08	−·078	+ 6	+·005	+·083
December . .	−16·89	−·133	+ 3	+·022	+·155

Table LXII.

Mean Degree of the Humidity of the Air for the period from July 1842 to June 1848 inclusive.

Toronto Astron. Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
January . .	80	80	81	80	80	81	83	83	83	84	84	84
February . .	73	72	71	72	73	74	76	76	77	78	79	79
March . . .	68	70	69	69	69	72	73	75	77	79	80	80
April . . .	66	64	63	62	63	64	67	72	74	77	77	79
May . . .	68	65	64	63	63	64	65	69	73	77	78	79
June . . .	71	69	67	67	65	66	67	72	76	80	82	83
July . . .	65	63	62	61	61	61	64	69	76	80	81	83
August. . .	71	70	68	67	67	68	71	76	82	84	84	85
September . .	73	71	70	70	70	72	77	81	83	85	86	86
October . .	75	73	72	72	73	76	81	83	85	86	87	88
November . .	79	79	79	79	81	83	85	86	86	87	87	87
December . .	79	79	79	79	80	82	83	83	82	83	83	82
Hourly Means	72	71	70	70	70	72	74	77	79	82	82	83

Toronto Astron. Time.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Monthly Means.
January . .	86	85	86	86	85	85	86	86	86	88	83	81	84
February . .	80	80	82	80	80	78	79	80	80	78	74	72	77
March . . .	83	82	82	82	83	84	82	81	79	74	73	70	76
April . . .	79	79	80	81	82	81	80	77	72	71	69	68	73
May . . .	80	81	84	85	86	86	83	78	74	73	70	69	74
June . . .	85	86	86	87	87	87	86	81	78	75	74	73	77
July . . .	84	86	86	87	88	88	86	81	76	73	71	67	75
August . .	87	88	89	89	90	90	90	86	81	80	75	73	80
September . .	87	87	87	88	89	90	90	88	84	80	77	75	81
October . .	89	89	89	89	90	90	90	90	88	83	78	75	83
November . .	88	88	89	89	89	89	89	90	88	85	83	82	85
December . .	85	84	82	85	85	84	85	85	85	84	82	80	82
Hourly Means	84	85	85	86	86	86	86	84	81	79	76	74	79

Table LXIV.

Mean Diurnal Variations of the Meteorological Phenomena.

HOURS.	Thermometer.	Elastic Force of Vapour.	Humidity.	Barometer.	Gaseous Pressure.	HOURS.	Thermometer.	Elastic Force of Vapour.	Humidity.	Barometer.	Gaseous Pressure.
	°	In.		In.	In.		°	In.		In.	In.
0	+4·80	+·027	− 7	+·008	−·019	12	−3·42	−·017	+ 5	−·005	+·012
1	+5·49	+·028	− 8	−·003	−·031	13	−4·03	−·021	+ 6	−·006	+·015
2	+5·90	+·028	− 9	−·013	−·040	14	−4·51	−·024	+ 6	−·005	+·019
3	+5·92	+·026	− 9	−·016	−·042	15	−4·97	−·027	+ 7	−·006	+·021
4	+5·56	+·024	− 9	−·018	−·041	16	−5·31	−·029	+ 7	−·005	+·024
5	+4·68	+·022	− 7	−·017	−·038	17	−5·48	−·030	+ 7	000	+·030
6	+3·15	+·015	− 5	−·013	−·029	18	−4·56	−·022	+ 7	+·010	+·032
7	+1·21	+·006	− 2	−·010	−·016	19	−3·07	−·011	+ 5	+·018	+·029
8	−0·41	−·001	0	−·005	−·003	20	−1·21	000	+ 2	+·025	+·025
9	−1·52	−·006	+ 3	−·001	+·005	21	+0·80	+·010	0	+·027	+·018
10	−2·30	−·012	+ 3	−·001	+·011	22	+2·50	+·017	− 3	+·027	+·010
11	−2·94	−·016	+ 4	−·001	+·015	23	+3·82	+·023	− 5	+·020	−·002

Corrections to be applied to Thermometric Observations made at Toronto at any hour of the day, for the purpose of giving the corresponding mean temperature of the day.

Table LVIII. (page cxx.) exhibits the mean temperature of every month in the year derived from hourly observations from July 1842 to June 1848 inclusive, as well as the mean monthly temperature at every hour of the twenty-four derived from the same series; it furnishes, therefore, by inspection, corrections to be applied to the monthly means of thermometric observations made at any hour of mean time, whereby the mean temperature of the *month*, such as would have been given by a mean of twenty-four equidistant observations, may be obtained, approximately at least, from daily observations at a single hour. Many meteorological problems, however, require determinations of mean temperature for shorter periods than monthly ones. In Europe five-day means are in frequent request; and for some problems even daily means are required. It is desirable therefore that a table should be formed from the mean monthly results in Table LVIII., which may supply, for Toronto and places in its vicinity, the means of deriving from an observation made at any time whatsoever in the course of the twenty-four hours, the best approximation attainable by it to the mean temperature of the *day*, such as would have been given by the mean of twenty-four equidistant observations.

It is now generally recognised that, when a single observer constitutes the whole observing staff, a mean of three equidistant observations in the 24 hours furnishes the most satisfactory approximation to the daily mean temperature which is within his command. The hours of 6 A.M., 2 P.M., and 10 P.M. are those which are usually preferred; but the frequent substitution of the three non-equidistant hours of 7 A.M., 2 P.M., and 9 P.M., shows that even the least inconvenient combination of three hours having equal intervals, is not always unattended with difficulty.* No combination of three fixed hours of observation will however give an equally good approximation to the mean temperature of the day at all seasons of the year; and were it only for this reason it is preferable, even when three equidistant observations are made, to apply to each of the observations separately a correction to the mean temperature of the day, based on such a table as LVIII. (founded on a sufficient number of years of observation), and to take the mean of the three observations so corrected for the mean temperature of the day. But the chief advantage of a table of corrections for the purpose of reducing observations at any hour to the mean temperature of the day, is in its

* The hourly series from July 1842 to June 1848, shows that at Toronto 6 A.M., 2 P.M., and 10 P.M., give a nearer approximation, on the average of the year, to the mean of twenty-four hourly observations, than do 7 A.M., 2 P.M., and 9 P.M. But 6½ A.M., 2 P.M., and 9½ P.M., appear to form a combination preferable for this particular purpose to either of the two other combinations.

setting the observer free to select his hours of observation untrammelled by the condition that their uncorrected mean should present of itself a close approximation to the mean temperature of all the hours. It must of course be always desirable that when the observations are few they should be widely separated, as affording a better chance of compensation for transient accidental variations; but absolute or nearly approximate *equidistance* loses a great part of its importance when a table of corrections exists; and the observer is thus placed at greater freedom to choose the hours which may be most suitable either to his convenience, or to other researches in which he may desire to engage, having reference to particular points of meteorological or climatic interest.

Although the application of such a table may, in strictness, be regarded as limited to observations made exclusively at the station from whence it is derived, yet practically such tables are found of considerable value in facilitating the reduction of observations at stations, not too distant, which may be subject for the most part to the same or to similar meteorological influences. In this point of view, Toronto, as a normal station, may perhaps be useful, within reasonable limits, in aiding the reduction and co-ordination of observations in Canada and the United States, such as those which are now in progress on the system proposed by the Smithsonian Institution.

For these objects Table LXV. has been formed from the data contained in Table LVIII. The temperatures on the different days of the year, and at the different hours of the day, have been computed from the several monthly means by the well-known formula usually called Bessel's:—

$$t_x = A_0 + A_1 \cos a + B_1 \sin a + A_2 \cos 2a + B_2 \sin 2a + A_3 \cos 3a + B_3 \sin 3a + A_4 \cos 4a + B_4 \sin 4a + A_5 \cos 5a + B_5 \sin 5a + A_6 \cos 6a;$$

in which t is the temperature on x the required day, A_0 the mean temperature of the year at the hour required, $a = n \times 30^\circ$, n being the number of months and parts of a month between a fixed epoch and x, and $A_1, A_2 \ldots A_6, B_1, B_2 \ldots B_5$ constants derived from the data in Table LVIII. by the method of least squares. From the temperatures thus computed, corrections have been obtained to the mean temperature of the day for every hour of mean astronomical time throughout the year. Table LXV. exhibits these corrections for every hour on every fifth day throughout the year; the corrections on the intermediate days admitting of easy interpolation at sight.

TABLE LXV.

Corrections for every Fifth Day of the Year, to be applied to the Temperature observed at Toronto at any of the hours of Mean Astronomical Time, in order to give the Mean Temperature of the Day.

First Part, January to June. The corrections in the smaller type are subtractive; in the larger type additive.

Days of the Month.		Hours of Mean Astronomical Time.																							
		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.
		Subtractive.									Additive.													Subtractive.	
		°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
JANUARY.	5	2·3	1·8	1·1	1·0	1·4	1·5	0·7	0·4	0·0	0·1	0·5	0·7	1·4	1·9	2·1	2·1	2·2	2·3	1·8	1·9	1·6	0·7	0·5	1·6
	10	2·4	1·9	1·1	1·1	1·5	1·6	0·8	0·2	0·0	0·1	0·5	0·8	1·5	2·0	2·1	2·2	2·3	2·4	1·7	1·8	1·6	0·7	0·5	1·7
	15	2·5	1·0	1·3	1·2	1·7	1·7	0·9	0·4	0·1	0·1	0·5	0·8	1·5	2·0	2·1	2·2	2·3	2·5	1·8	1·9	1·6	0·7	0·6	1·7
	20	2·6	1·1	1·4	1·4	1·9	1·9	0·9	0·4	0·0	0·2	0·6	1·0	1·6	2·0	2·1	2·3	2·4	2·7	2·0	2·1	1·8	0·7	0·6	1·8
	25	2·8	1·4	1·7	1·8	1·3	2·1	1·2	0·4	0·0	0·2	0·7	1·1	1·6	2·0	2·1	2·4	2·6	2·8	2·3	2·5	2·1	0·8	0·6	1·9
	30	3·0	1·7	1·0	1·1	1·6	2·4	1·3	0·5	0·0	0·4	0·8	1·2	1·7	2·0	2·2	2·5	2·7	3·0	2·8	3·0	2·5	0·9	0·6	2·0
FEBRUARY.	4	3·3	1·1	1·4	1·5	1·9	2·7	1·5	0·6	0·0	0·5	0·9	1·4	1·6	2·0	2·3	2·6	3·0	3·2	3·3	3·5	2·6	1·0	0·7	2·2
	9	3·5	1·3	1·7	1·8	2·2	3·0	1·6	0·7	0·0	0·6	1·1	1·6	1·8	2·1	2·5	2·7	3·1	3·4	3·8	4·0	3·2	1·0	0·8	2·4
	14	3·8	1·7	2·1	2·0	2·5	3·3	1·8	0·9	0·0	0·6	1·2	1·7	1·8	2·2	2·5	3·0	3·3	3·7	4·2	4·3	3·3	1·0	1·0	2·6
	19	3·9	1·8	2·3	2·2	2·7	3·5	2·0	0·9	0·0	0·7	1·3	1·9	1·9	2·3	2·7	3·1	3·5	3·8	4·5	4·6	3·4	0·9	1·2	2·7
	24	4·1	2·0	2·5	2·4	2·8	3·8	2·1	1·1	0·1	0·8	1·4	2·0	2·0	2·4	2·8	3·3	3·6	4·0	4·7	4·6	3·2	0·6	1·4	2·9
MARCH.	1	4·2	2·9	2·5	2·3	2·8	3·9	2·2	1·0	0·1	0·9	1·5	2·1	2·1	2·6	2·9	3·5	3·8	4·2	4·8	4·5	3·0	0·4	1·6	3·0
	6	4·2	3·0	2·5	2·3	2·8	3·9	2·3	1·0	0·0	0·9	1·6	2·2	2·3	2·7	3·1	3·5	3·8	4·3	4·9	4·4	2·7	0·2	1·7	3·1
	11	4·2	3·9	2·5	2·2	2·8	3·9	2·3	0·9	0·0	1·1	1·7	2·4	2·4	2·9	3·2	3·6	3·9	4·4	4·8	4·2	2·3	0·0	1·8	3·1
	16	4·2	4·8	2·4	2·3	2·7	4·0	2·3	0·8	0·1	1·1	1·8	2·4	2·5	2·9	3·3	3·6	4·0	4·5	4·8	3·9	1·9	0·2	1·9	3·2
	21	4·2	4·8	2·4	2·2	2·8	4·0	2·1	0·7	0·2	1·2	1·9	2·5	2·5	3·0	3·4	3·6	4·0	4·6	4·8	3·6	1·7	0·4	2·0	3·2
	26	4·2	4·9	2·4	2·3	2·9	4·1	2·3	0·7	0·3	1·3	2·0	2·6	2·6	3·0	3·6	3·8	4·1	4·7	4·9	3·8	1·4	0·5	2·0	3·3
	31	4·3	2·1	2·5	2·4	3·0	4·3	2·4	0·6	0·3	1·4	2·1	2·7	2·7	3·3	3·8	3·9	4·3	4·8	5·0	3·5	1·2	0·6	2·1	3·3
APRIL.	5	4·5	2·3	2·7	2·7	3·3	4·5	2·7	0·6	0·6	1·6	2·3	2·8	2·8	3·5	4·0	4·1	4·5	5·0	5·2	3·4	1·2	0·7	2·2	3·5
	10	4·6	2·5	2·9	3·0	3·6	4·8	3·0	0·7	0·7	1·7	2·5	3·0	3·0	3·7	4·3	4·5	4·9	5·3	5·4	3·4	1·1	0·8	2·3	3·6
	15	4·9	2·8	3·2	3·3	3·9	5·2	3·4	0·8	0·7	1·8	2·6	3·1	3·3	4·0	4·7	4·9	5·3	5·7	5·5	3·3	1·0	1·0	2·5	3·9
	20	5·1	3·1	3·5	3·6	4·2	5·6	3·7	1·0	0·8	2·0	2·7	3·3	3·5	4·4	5·1	5·3	5·8	6·1	5·7	3·1	0·9	1·1	2·7	4·1
	25	5·4	3·4	3·8	3·8	4·5	5·9	4·0	1·3	0·8	2·1	2·9	3·5	3·9	4·8	5·5	5·9	6·4	6·0	5·7	3·0	0·8	1·3	3·0	4·3
	30	5·6	3·6	4·0	4·1	4·8	6·2	4·4	1·5	0·8	2·1	3·0	3·7	4·2	5·1	5·9	6·1	6·9	6·8	5·7	2·9	0·7	1·6	3·2	4·6
MAY.	5	5·7	3·7	4·1	4·2	5·0	6·5	4·6	1·7	0·7	2·2	3·1	3·9	4·6	5·5	6·3	6·9	7·3	6·4	5·7	2·7	0·5	1·6	3·5	4·7
	10	5·9	3·8	4·2	4·3	5·1	6·7	4·9	2·0	0·6	2·2	3·1	4·0	4·8	5·7	6·5	7·2	7·6	7·7	5·5	2·5	0·3	2·0	3·7	4·9
	15	5·9	3·8	4·2	4·2	5·2	6·8	5·0	2·2	0·5	2·3	3·3	4·2	5·0	5·9	6·7	7·4	7·9	7·8	5·4	2·4	0·2	2·1	3·8	4·9
	20	5·9	3·8	4·2	4·2	5·3	6·9	5·4	2·4	0·4	2·3	3·3	4·3	5·1	5·9	6·7	7·5	8·0	7·9	5·2	2·3	0·1	2·0	3·9	5·0
	25	5·9	3·7	4·0	4·2	5·3	6·9	5·5	2·5	0·4	2·3	3·4	4·4	5·2	6·0	6·8	7·5	8·0	7·9	5·1	2·3	0·1	2·2	3·9	5·0
	30	5·8	3·6	3·9	4·2	5·3	6·8	5·5	2·6	0·3	2·3	3·5	4·4	5·2	5·9	6·7	7·5	8·0	7·6	5·1	2·3	0·1	2·1	3·8	4·9
JUNE.	5	5·8	3·6	3·9	4·2	5·4	6·9	5·6	2·7	0·3	2·3	3·6	4·5	5·2	5·9	6·6	7·5	8·0	7·8	5·1	2·4	0·1	2·0	3·7	4·8
	10	5·8	3·6	3·9	4·3	5·5	7·0	5·7	2·9	0·2	2·3	3·6	4·6	5·2	5·9	6·6	7·4	7·9	7·9	5·1	2·4	0·0	1·9	3·6	4·8
	15	5·9	3·6	4·0	4·4	5·6	7·0	5·7	3·0	0·3	2·5	3·8	4·8	5·3	6·0	6·7	7·6	8·0	7·9	5·2	2·4	0·1	1·8	3·5	4·8
	20	6·0	3·7	4·2	4·6	5·9	7·2	5·9	3·1	0·3	2·5	3·9	4·9	5·5	6·2	6·8	7·7	8·2	8·1	5·3	2·4	0·1	1·8	3·5	4·8
	25	6·1	3·9	4·5	4·8	6·0	7·3	6·2	3·3	0·4	2·7	4·0	5·1	5·7	6·4	7·0	7·8	8·4	8·3	5·5	2·3	0·0	1·8	3·5	4·9
	30	6·3	4·2	4·8	5·1	6·3	7·7	6·4	3·4	0·4	2·8	4·1	5·2	5·9	6·7	7·3	8·0	8·7	8·6	5·6	2·3	0·0	1·9	3·6	5·0

TABLE LXV—*continued.*

Second Part, July to December. The corrections in the smaller type are subtractive; in the larger type additive.

Days of the Month.		Hours of Mean Astronomical Time.																							
		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.
		Subtractive.								Additive.												Subtractive.			
JULY.	5	° 6·5	° 7·4	° 8·1	° 8·4	° 8·5	° 8·0	° 6·7	° 3·5	° 0·5	° 2·9	° 4·2	° 5·3	° 6·2	° 6·9	° 7·6	° 8·3	° 8·9	° 9·0	° 5·8	° 2·3	° 0·1	° 2·0	° 3·7	° 5·2
	10	6·7	7·6	8·4	8·6	8·7	8·2	6·8	3·5	0·6	3·0	4·3	5·5	6·4	7·2	7·8	8·5	9·2	9·2	6·0	2·4	0·1	2·2	3·9	5·4
	15	6·9	7·8	8·6	8·8	8·8	8·4	6·9	3·5	0·7	3·1	4·3	5·5	6·5	7·4	8·0	8·7	9·3	9·4	6·2	2·5	0·1	2·1	4·0	5·6
	20	7·0	7·8	8·7	8·9	8·9	8·4	6·8	3·3	0·9	3·2	4·3	5·5	6·6	7·5	8·0	8·8	9·3	9·4	6·4	2·7	0·1	2·4	4·1	5·7
	25	7·0	7·9	8·8	8·9	8·9	8·4	6·7	3·1	1·0	3·2	4·3	5·4	6·6	7·4	8·0	8·7	9·2	9·3	6·4	2·9	0·0	2·4	4·1	5·8
	30	7·0	7·9	8·7	8·9	8·8	8·3	6·5	2·8	1·1	3·1	4·2	5·3	6·4	7·2	7·8	8·5	9·0	9·0	6·5	3·1	0·1	2·4	4·3	5·8
AUGUST.	5	6·9	7·7	8·5	8·8	8·6	8·1	6·3	2·4	1·2	3·1	4·2	5·1	6·1	6·9	7·5	8·2	8·6	8·7	6·6	3·3	0·2	2·4	4·3	5·8
	10	6·6	7·4	8·1	8·4	8·3	7·8	5·9	2·0	1·3	3·1	4·0	5·0	5·9	6·6	7·3	7·9	8·3	8·4	6·7	3·6	0·3	2·2	4·2	5·6
	15	6·5	7·3	7·9	8·1	8·1	7·5	5·6	1·7	1·3	2·8	3·9	4·7	5·5	6·1	6·8	7·5	7·8	8·0	6·6	3·6	0·3	2·2	4·1	5·6
	20	6·3	7·0	7·6	7·9	7·8	7·2	5·2	1·3	1·3	2·7	3·7	4·4	5·1	5·7	6·4	7·1	7·5	7·8	6·5	3·7	0·4	2·0	4·0	5·4
	25	6·2	6·8	7·3	7·6	7·5	7·0	4·7	1·0	1·2	2·5	3·5	4·2	4·8	5·4	6·1	6·7	7·1	7·5	6·5	3·6	0·4	1·9	3·9	5·3
	30	6·1	6·7	7·1	7·4	7·2	6·6	4·3	0·7	1·2	2·3	3·4	4·0	4·5	5·1	5·8	6·4	6·8	7·3	6·4	3·6	0·5	1·8	3·8	5·2
SEPTEMBER.	5	6·0	6·6	7·0	7·2	7·0	6·3	3·9	0·6	1·0	2·1	3·2	3·9	4·3	4·8	5·5	6·1	6·6	6·7	6·3	3·6	0·6	1·7	3·6	5·1
	10	5·9	6·5	6·9	7·0	6·9	6·1	3·4	0·4	1·0	2·0	3·1	3·7	4·1	4·7	5·3	5·8	6·4	7·0	6·2	3·6	0·7	1·6	3·6	5·0
	15	5·9	6·5	6·9	7·0	6·7	5·8	3·1	0·4	0·9	1·9	3·0	3·6	4·0	4·6	5·2	5·6	6·2	6·8	6·2	3·6	0·9	1·6	3·5	5·0
	20	5·9	6·5	6·9	6·9	6·5	5·5	3·0	0·3	0·8	1·8	2·9	3·5	3·9	4·5	5·0	5·4	6·0	6·7	6·1	3·7	1·0	1·4	3·4	4·9
	25	5·9	6·5	6·9	6·7	6·4	5·1	2·6	0·4	0·7	1·7	2·7	3·4	3·8	4·4	4·9	5·3	5·8	6·4	6·0	3·8	1·2	1·4	3·4	4·9
	30	5·8	6·4	6·8	6·6	6·2	4·7	2·3	0·3	0·6	1·6	2·6	3·3	3·7	4·3	4·8	5·0	5·5	6·1	5·7	3·9	1·4	1·3	3·3	4·8
OCTOBER.	5	5·7	6·2	6·6	6·4	5·9	4·3	1·9	0·3	0·6	1·5	2·4	3·2	3·8	4·2	4·6	4·8	5·3	5·7	5·4	4·0	1·5	1·2	3·2	4·7
	10	5·6	6·0	6·4	6·2	5·6	1·9	1·7	0·1	0·5	1·4	2·2	2·9	3·4	4·0	4·4	4·6	4·9	5·2	5·0	3·9	1·5	1·2	3·2	4·6
	15	5·3	5·7	6·1	5·8	5·1	1·4	1·3	0·2	0·5	1·3	2·0	2·7	3·2	3·8	4·2	4·3	4·6	4·8	4·6	3·8	1·6	1·1	3·0	4·4
	20	5·0	5·4	5·7	5·5	4·7	1·9	1·1	0·2	0·5	1·1	1·8	2·4	3·1	3·6	3·9	4·0	4·4	4·4	4·1	3·6	1·5	1·0	2·9	4·1
	25	4·7	5·0	5·3	5·1	4·2	1·5	1·0	0·1	0·4	1·0	1·6	2·2	2·9	3·3	3·6	3·7	4·0	4·0	3·6	3·3	1·4	0·9	2·6	3·9
	30	4·3	4·6	4·8	4·6	3·7	1·1	0·8	0·1	0·4	0·9	1·4	1·9	2·7	3·0	3·3	3·5	3·7	3·8	3·2	3·1	1·4	0·7	2·4	3·5
NOVEMBER.	5	3·9	4·3	4·4	4·2	3·3	1·9	0·8	0·1	0·3	0·7	1·2	1·6	2·4	2·7	2·9	3·2	3·4	3·3	2·9	2·8	1·3	0·6	2·1	3·1
	10	3·6	3·9	4·1	3·9	3·0	1·6	0·7	0·1	0·3	0·6	1·0	1·4	2·1	2·4	2·7	3·0	3·1	3·0	2·6	2·6	1·4	0·3	1·8	2·8
	15	3·3	3·7	3·8	3·6	2·7	1·5	0·7	0·1	0·2	0·5	0·8	1·2	1·8	2·1	2·4	2·7	2·9	2·8	2·5	2·5	1·4	0·1	1·5	2·5
	20	3·1	3·5	3·6	3·4	2·6	1·5	0·5	0·2	0·1	0·4	0·7	1·0	1·6	1·9	2·2	2·5	2·6	2·4	2·5	2·5	1·6	0·2	1·2	2·3
	25	2·9	3·4	3·5	3·3	2·5	1·4	0·5	0·2	0·1	0·3	0·6	0·8	1·3	1·6	2·0	2·3	2·5	2·4	2·5	2·5	1·8	0·5	1·0	2·0
	30	2·8	3·4	3·5	3·2	2·5	1·5	0·6	0·3	0·0	0·2	0·5	0·7	1·1	1·5	1·0	2·2	2·3	2·2	2·5	2·8	2·0	0·7	0·8	1·9
DECEMBER.	5	2·7	3·3	3·4	3·2	2·5	1·5	0·7	0·4	0·0	0·2	0·5	0·6	1·0	1·4	1·8	2·1	2·1	2·1	2·5	2·7	2·1	0·9	0·6	1·8
	10	2·5	3·2	3·4	3·2	2·4	1·5	0·7	0·4	0·0	0·2	0·5	0·6	0·9	1·5	1·9	2·1	2·1	1·9	2·5	2·7	2·2	1·0	0·5	1·8
	15	2·5	3·2	3·4	3·1	2·5	1·5	0·8	0·5	0·1	0·2	0·5	0·6	0·9	1·5	1·9	2·0	2·0	2·0	2·5	2·6	2·2	1·0	0·4	1·7
	20	2·4	3·1	3·3	3·0	2·4	1·5	0·8	0·5	0·1	0·1	0·4	0·8	1·0	1·6	1·9	2·1	2·0	2·0	2·3	2·5	2·1	1·0	0·4	1·6
	25	2·4	3·0	3·2	3·0	2·4	1·6	0·8	0·4	0·1	0·1	0·4	0·6	1·1	1·7	1·9	2·0	2·0	2·1	2·2	2·2	1·9	0·9	0·4	1·6
	30	2·3	2·9	3·1	3·0	2·3	1·5	0·8	0·4	0·1	0·1	0·5	0·7	1·2	1·8	2·0	2·0	2·1	2·1	1·9	2·0	1·8	0·8	0·5	1·6

POSTSCRIPT.

The publication of this volume has been delayed by the necessity of reprinting 456 pages, of which the first impression had been destroyed in the fire which took place at Messrs. Clowes's Printing Office on the 10th June 1852.

EDWARD SABINE.

Woolwich, August 5, 1853.

ERRATA.

Page v. Feb. 1849, *for* "6·2," *read* "4·31" *for* "1° 35′·2," *read* "1° 37′·1."
Mean *for* Feb. 1849, *for* "1° 36′·9," *read* "1° 37′·1."
— xxxv. line 25, *for* "7^h of Toronto time," *read* "7^h A. M. of Toronto time."
— xcii. — 7, *for* "Annular," *read* "Annual."

TORONTO, 1843.

MAGNETICAL OBSERVATIONS.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
JANUARY.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	105·9	129·4	130·7	125·5	124·8	125·0	125·6	125·1	117·8	125·6	127·0	126·2
	3	118·4	127·6	132·7	132·1	130·1	126·5	125·3	124·6	124·4	124·1	126·8	127·9
	4	128·3	129·7	131·9	132·8	132·6	128·1	125·0	124·5	124·0	124·0	126·2	127·6
	5	128·1	129·3	130·5	133·9	132·8	130·0	126·0	124·0	122·9	127·7	126·9	127·8
	6	128·6	129·4	131·8	133·2	133·8	129·7	125·0	122·8	122·0	123·9	125·1	127·0
	7	128·0	129·0	132·1	135·2	133·0	129·8	126·3	121·9	121·8	123·2	125·5	127·0
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	128·1	131·2	132·0	133·8	132·0	129·8	125·8	123·4	122·9	122·5	125·0	126·3
	10	128·2	129·6	130·4	132·8	133·0	129·0	125·1	122·6	121·7	122·6	125·0	125·3
	11	127·2	128·6	129·6	131·6	130·0	128·5	126·1	125·0	122·2	118·4	125·2	125·6
	12	126·2*	128·6	129·6	131·0	131·9	130·3	128·3	125·7	123·8	122·8	124·1	125·6
	13	127·0	128·4	130·1	130·0	129·6	127·2	125·8	126·0	126·8	125·9	126·4	127·0
	14	127·5	128·4	129·9	130·7	130·7	130·0	127·0	126·4	126·0	124·9	124·9	127·7
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	128·9	128·3	132·8	131·3	130·3	129·1	128·0	125·5	123·9	122·2	125·3	126·6
	17	128·4	129·0	129·9	129·1	131·3	126·1	121·4	120·9	121·7	124·0	125·6	126·1
	18	128·1	128·7	131·1	132·5	133·2	131·1	128·4	124·8	122·2	124·0	124·2	125·0
	19	127·4	128·0	130·5	133·6	132·3	129·5	126·8	123·2	122·4	122·0	123·2	126·2
	20	128·7	127·0	129·8	134·0	132·4	129·0	125·7	123·5	122·3	121·0	123·3	126·0
	21	128·0	129·5	131·0	131·5	132·6	129·4	127·7	125·9	124·0	123·9	124·8	126·9
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	126·9	127·2	130·6	133·1	133·1	130·9	127·4	125·4	124·0	123·9	122·7	124·0
	24	127·3	128·6	130·0	131·0	130·1	128·2	127·0	125·2	124·6	124·4	125·0	124·8
	25	127·9	128·8	130·5	132·9	133·2	128·5	126·8	125·7	126·5	124·5	125·5	125·0
	26	128·6	128·6	130·7	131·3	131·0	129·7	127·2	125·0	124 8	125·9	125·5	126·4
	27	129·0	129·6	131·4	132·5	131·3	128·9	126·5	126 0	125·2	126·0	126·0	126·8
	28	123·5	130·7	132 0	133·5	132·3	129·0	121·3	119·1	120·1	121·0	124·4	123·9
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	128·7	129·1	129·3	132·1	132·6	129·9	126·7	122·0	122·1	124·0	125·8	127·2
	31	126·6	129·3	130·1	131·1	131·1	129·6	126·2	126·1	126·1	127·0	127·7	128·3
Hourly Means		126·52	128·91	130·81	132·00	131·58	128·95	126·16	124·24	123·32	123·82	125·27	126·32
FEBRUARY.	1	128·0	129·6	131·2	131·1	130·4	128·2	127·1	123·6	125·2	127·8	128·5	129·2
	2	130·0	129·5	132·9	134·3	133·2	130·6	126·4	123·5	125·0	127·0	129·0	129·2
	3	131·1	130·7	133·1	133·0	131·0	128·6	127·2	124·9	124·3	127·1	128·8	128·6
	4	129·4	130·5	133·0	133·2	131·3	128·7	127·8	125·5	125·5	127·0	127·2	127·8
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	130·7	133·6	132·8	129·3	131·4	127·0	122·7	121·9	120·0	119·1	110·0	126·2
	7	128·2	132·5	133·9	134·9	129·6	124·2	124·8	124·2	124·0	123·8	125·2	127·0
	8	130·4	130·1	134·8	133·0	131·4	128·2	126·4	126·0	125·6	126·1	128·0	126·6
	9	130·0	130·1	132·5	131·0	130·0	124·2	126·7	125·5	124·8	123·9	124·2	126·0
	10	129·4	128·0	131·0	131·7	130·9	130·8	129·0	127·2	125·8	126·5	126·5	127·1
	11	128·9	129·5	129·4	130·0	129·4	127·0	125·3	125·2	124·2	124·5	125·0	125·2
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	132·2	130·7	131·1	129·1	126·0	123·0	121·1	122·0	122·6	124·4	123·0	127·0
	14	134·0	133·0	127·7	135·2	132·5	124·3	125·0	125·0	122·6	119·0	124·7	127·9
	15	129·6	131·0	131·6	132·0	128·5	125·1	122·8	122·2	123·4	123·9	127·0	127·0
	16	126·0	131·2	133·0	131·2	129 8	125·3	121·9	121·5	120·3	122·8	124·5	127·6
	17	132·0	132·6	133·7	133·1	129·8	124·0	120·0	116·8	120·0	124·0	125·0	126·1
	18	129·4	130·9	132·0	132·7	130·6	127·7	124·9	123·3	124·4	123·2	126·1	128·3
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	129·0	130·9	132·6	134·0	131·5	128·5	124·4	120·8	125·3	125·6	124·4	125·6
	21	131·0	130·2	131·5	131·7	129·7	126·2	124·7	123·6	122·8	123·8	125·0	126·0
	22	131·4	133·3	132·7	130·8	127·1	124·8	123·0	123·0	123·5	126·0	126·0	126·5
	23	130·2	131·2	133·1	132·6	129·5	126·0	125·0	123·4	123·6	124·6	126·0	127·0
	24	143·1	137·9	133·9	122·6	121·3	123·8	124·8	124·2	120·2	122·7	126·2	126·5
	25	126·8	129·0	131·6	129.9	127·4	124·7	123·7	123·7	124·5	125·6	125·6	128·0
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	129·0	129·5	131·3	130·0	128·2	125·1	124·0	122·4	123·1	125·0	127·0	127·4
	28	131·3	131·5	133·2	130·1	128·2	125·6	124·8	124·6	125·9	125·7	126·9	127·2
Hourly Means		130·46	131·12	132·23	131·52	129·53	126·32	124·73	123·50	123·61	124·55	125·41	127·12

* Five minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means.	
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
—	—	—	—	—	—	—	—	—	—	—	—		
128·0	134·0	126·4	132·0	131·0	124·3	128·0	126·6	127·2	127·0	129·5	126·7	126·22	
128·0	128·9	128·7	128·7	128·2	129·2	128·7	123·1	125·5	127·6	128·2	127·7	127·21	
128·8	130·2	130·7	129·4	129·3	127·9	126·7	127·7	126·8	123·0	128·0	125·8	127·87	
129·0	129·7	129·4	130·0	129·4	128·8	127·6	127·6	127·0	125·9	128·7	129·0	128·42	
128·0	129·0	130·0	129·7	130·9	131·0	129·3	126·8	126·0	126·6	127·6	127·5	128·12	
127·2	128·0	128·3	128·5	128·3	128·0	—	—	—	—	—	—	127·78	127·55
—	—	—	—	—	—	127·6	127·2	127·9	228·1	128·9	126·0*		
127·1	128·1	128·8	129·1	129·0	129·0	128·2	128·2	128·2	128·2	127·8	128·0	128·02	
123·1	124·8	127·2	131·2	129·7	129·0	127·2	127·6	128·0	127·8	127·0	128·3	127·34	
122·8	127·0	126·0	129·9	129·4	129·0	127·8	127·1	126·6	126·6	127·8	127·1	126·88	
126·9	127·0	128·0	129·0	129·2	127·7	128·9	127·3	127·3	127·8	127·9	127·2	127·59	
127·4	128·2	128·3	128·8	128·9	128·4	127·7	127·4	127·1	127·0	127·2	127·1	127·65	
127·8	128·0	128·0	128·0	128·4	128·0	—	—	—	—	—	—	128·58	
—	—	—	—	—	—	128·8	129·8	131·4	130·2	132·1	131·4		
127·1	129·0	129·0	128·8	128·8	128·6	128·2	128·5	128·2	127·2	128·9	129·0	128·06	
127·0	125·9	128·3	127·2	130·0	127·5	129·0	123·3	127·0	127·4	128·3	127·0	126·72	
126·0	127·8	128·6	129·0	129·0	128·3	128·0	128·0	125·7	128·0	127·3	127·4	127·77	
127·0	127·8	127·7	128·9	128·9	129·0	128·0	128·0	128·0	127·8	128·0	128·5	127·61	
127·3	128·3	129·2	129·0	128·8	128·6	128·0	127·0	127·0	127·0	127·0	127·3	127·38	
127·9	128·8	129·3	129·4	129·0	128·4	—	—	—	—	—	—	128·30	127·97
—	—	—	—	—	—	130·5	129·8	128·3	127·1	127·6	127·8		
127·4	120·5	127·2	127·7	141·6	136·8	130·6	128·2	127·1	129·0	126·4	127·1	128·28	
125·6	123·8	125·3	143·6	129·2	132·1	128·0	130·8	127·0	130·0	127·3	128·0	128·20	
127·8	126·9	128·3	130·2	129·0	128·0	130·0	127·6	127·6	128·8	128·0	128·1	128·25	
127·0	128·2	129·0	129·0	129·2	128·1	128·5	128·2	128·1	128·8	128·2	128·1	128·13	
127·9	128·1	128·0	127·4	134·1	132·6	128·2	126·4	127·0	127·5	127·6	125·9	128·33	
140·0	127·8	129·0	128·7	128·9	128·0	—	—	—	—	—	—	127·55	
—	—	—	—	—	—	129·0	127·0	127·0	128·4	128·6	128·0		
127·5	128·3	128·6	128·5	132·5	130·0	127·8	127·0	128·0	127·3	128·3	128·9	128·01	
128·5	128·5	128·8	128·7	128·1	127·0	127·2	127·5	126·9	127·6	127·7	128·0	128·07	
127·62	127·79	128·31	129·63	129·95	128·97	128·37	127·45	127·38	127·60	128·07	127·73	127·78	
129·0	129·0	128·8	127·8	128·4	128·1	127·5	128·5	128·3	127·1	128·2	129·1	128·32	
128·9	129·2	129·9	130·0	129·4	129·0	128·8	128·2	127·8	129·2	128·4	129·0	129·10	128·38
128·7	129·1	129·3	129·3	129·0	128·5	128·0	127·8	128·0	128·0	128·2	128·7	128·83	
127·0	129·4	130·4	124·5	135·0	133·6	—	—	—	—	—	—	129·13	
—	—	—	—	—	—	127·7	129·1	129·8	127·1	128·0	130·7		
127·7	126·6	128·3	128·3	128·5	129·1	129·0	127·1	129·4	128·9	127·6	129·5	126·86	
127·6	127·7	127·1	128·8	128·7	133·5	131·5	129·0	129·0	128·6	129·3	129·2	128·43	
126·7	128·6	129·8	127·4	147·2	131·7	129·0	129·2	127·6	128·4	128·4	129·0	129·37	
127·0	126·8	127·3	128·4	128·8	129·6	133·6	134·2	133·2	129·0	128·6	127·8	128·47	
127·2	125·4	127·2	131·9	127·5	128·3	128·1	128·1	127·1	127·8	127·9	128·1	128·27	
124·0	125·7	128·2	129·3	128·8	128·5	—	—	—	—	—	—	127·66	
—	—	—	—	—	—	129·1	128·0	128·7	129·3	130·6	130·0		
124·7	132·2	125·4	129·0	128·4	130·4	123·4	116·8	140·1	131·9	132·0	132·0	127·44	
131·9	137·8	128·7	133·0	130·8	128·7	127·0	116·3	126·4	126·8	128·0	130·1	128·18	
127·6	126·0	147·8	130·2	129·0	128·0	127·4	127·2	127·9	127·3	129·1	130·8	128·43	
128·7	129·5	129·4	129·0	129·0	130·0	131·7	129·6	129·2	129·8	132·6	131·4	128·12	
127·8	127·0	127·6	126·1	127·9	132·6	129·3	129·0	128·5	129·2	129·0	129·8	127·54	128·21
126·5	127·2	128·0	132·2	130·3	129·9	—	—	—	—	—	—	128·30	
—	—	—	—	—	—	128·1	126·6	129·4	128·4	129·0	130·0		
124·3	136·0	226·0	128·0	129·0	129·0	128·8	128·4	126·9	127·0	127·2	128·4	127·99	
127·0	127·8	128·0	127·7	127·5	127·8	127·8	128·4	128·6	130·2	131·0	131·2	127·89	
126·6	126·0	125·4	127·2	128·6	128·8	129·9	128·9	129·8	130·0	130·4	130·5	127·84	
128·0	128·0	130·6	127·3	127·0	131·0	129·9	131·2	133·2	123·5	134·5	140·8	129·05	
130·7	138·8	129·0	129·0	132·0	157·4	140·6	127·0	127·5	127·8	128·0	128·2	130·13	
126·9	127·0	138·1	129·9	127·2	127·8	—	—	—	—	—	—	127·55	
—	—	—	—	—	—	128·6	126·6	125·8	125·2	128·7	128·8		
127·0	127·2	127·8	127·1	126·7	126·6	130·3	126·9	127·0	120·2	131·5	131·2	127·15	
127·4	127·4	127·2	127·2	127·2	127·0	127·2	126·2	125·8	124·8	128·8	129·0	127·51	
127·45	128·98	129·39	128·69	129·66	130·62	129·30	127·43	128·96	127·73	129·37	130·14	128·24	

* Seven minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	12h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
MARCH.	1	129·5	130·2	131·2	130·3	128·9	125·8	124·0	123·9	123·1	124·3	126·2	127·5	127·3
	2	131·5	131·0	131·8	130·3	127·7	124·6	123·0	122·2	123·0	124·0	125·0	126·2	127·0
	3	129·1	130·3	131·7	132·0	131·7	128·5	125·0[a]	124·0	123·8[b]	123·0	124·7	126·5	128·0
	4	129·0	127·9	135·0	136·0	132·2	128·2	124·2	121·3	119·5	119·1	120·0	122·4	123·2
	5	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	131·5	132·8	133·0	131·3	131·3	128·6	124·7	120·8	120·8	118·4	118·2	121·4	116·6
	7	127·8	132·0	128·7	131·6	126·9	125·0	118·3	118·5	113·1	124·9	129·0	128·9	128·7
	8	128·9	129·4	131·9	130·8	130·4	126·0	125·8	125·0	125·2	125·2	125·3	125·4	125·8
	9	129·0	131·0	133·3	132·2	130·3	128·4	125·4	118·9	120·5	123·8	125·2	125·1	126·0
	10	129·2	130·0	130·5	129·5	128·0	127·4	123·5	122·3	122·9	124·2	124·0	123·8	126·5
	11	129·3	131·9	134·7	133·0	129·0	128·2	124·0	122·7	121·7	121·7	117·3	123·0	123·1
	12	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	128·5	126·5	134·6	134·3	133·3	130·1	124·8	122·5	120·8	121·5	123·0	124·6	126·0
	14	127·5	129·4	131·1	131·2	128·5	123·2	120·9	122·0[c]	122·9	123·6	125·8	125·8	126·2
	15	128·4	130·3	131·7	132·0	129·9	126·0	123·0	121·7	121·0	121·2	124·9	125·8	126·3
	16	130·6	132·3	133·2	132·5	129·3	121·7	118·4	117·0	118·5	119·3	122·0	124·0	126·3
	17	130·9	133·1	134·0	133·8	131·0	125·0	119·1[d]	116·2	115·0	117·8	118·0	120·2	118·0
	18	133·2	134·2	137·2	137·2	129·0	125·0	121·8	118·2	119·9	121·0	121·3	121·8	131·6
	19	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	131·5	134·2	134·9	133·0	130·2	126·4	123·0	121·0	121·0	121·0	121·0	122·5	125·0
	21	128·7	130·4	134·0	133·7	130·0	128·0	124·9	120·2	128·6	119·7	121·8	123·8	125·9
	22	132·1	132·6	137·3	131·3	127·0	127·0	124·2	119·3	119·4	120·7	121·0	124·7	125·7
	23	132·7	133·5	134·0	135·0	132·6	130·0	125·2	121·0	122·7	122·5	124·0	125·1	129·1
	24	129·6	131·0	132·2	131·8	130·4	126·6	123·8	123·0	123·1	123·8	124·9	125·8	125·9
	25	130·0	132·1	133·6	133·0	131·0	126·1	124·0	122·4	123·1	124·1	125·2	127·0	127·2
	26	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	129·7	131·0	132·7	132·6	131·0	127·2	123·4	121·0	121·8	122·6	124·2	125·3	126·8
	28	130·5	132·8	133·6	131·1	129·0	125·8	121·2	118 9	119·3	121·0	123·0	124·8	126·4
	29	133·9	134·6	131·7	128·8	123·9	126·2	129·2	117·8	110·7	113·0	115·7	119·0	120·0
	30	129·0	131·3	132·7	133·5	131·7	127·4	123·1	120·6	121·5	124·4	123·6	125·0	125·9
	31	130·0	132·0	134·7	132·7	130·3	125·7	122·0	121·2	120·7	121·0	121·2	124·1	125·9
Hourly Means		130·06	131·40	233·15	132·39	129·80	126·60	123·33	120·87	120·50	121·73	122·80	124·40	125·57
APRIL.	1	132·0	133·5	135·7	134·8	133·2	129·7	124·8	120·2	117·7	118·2	119·9	125·2	127·0
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	130·4	131·3	131·0	131·3	129·6	126·9	119·2	115·0	116·2	115·0[a]	118·0	122·0	123·6
	4	129·8	131 5	131·9	133·1	131·1	127·5	124·0	121·5	120·5	120·4	121·5	124·0	127·0
	5	136·7	135·0	133·4	120·4	120·8	131·9	112·5	121·0	115·0	111·9	108·9	101·0	106·0
	6	142·2	141·3	135·0	123·0	126·7	124·0	120·0	119·0	120·9	123·8	122·0	124·5	129·0
	7	132·7	132·5	134·2	128·0	129·0	125·6	122·6	121·9	120·1	125·3	122·6	120·6	121·0
	8	131·7	132·3	132·0	127·6	123·3	123·8	118·2	115·5	114·5	116·0	122·0	122·0	130·3
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	132·0	132·3	132·4	130·0	126·6	122·5	120·1	119·0	120·0	122·1	123·7	125·0	126·3
	11	134·1	134·4	131·4	130·5	123·8	121·7	122·0	120·3	119·4	122·3	123·9	124·0	125·6
	12	135·2	135·1	133·0	130·4	128·7	122·5	118·1	109·1	112·4	117·0	123·1	125·5	127·2
	13	132·1	135·0	134·3	131·4	125·2	118·2	116·0	116·9	118·2	120·0	123·0	123·9	127·5
	14*	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	132·3	135·3	136·5	131·5	123·8	121·4	117·4	117·0	117·2	119·0	124·0	125·0	137·5
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	134·0	135·0	135·3	133·7	129·8	128·0	123·0	119·8	119·5	120·2	121·8	122·9	124·1
	18	129·3	134·0	134·0	132·7	129·8	126·9	120·3	115·0	118·1	119·0	120·4	121·1	122·4
	19	132·5	132·9	132·8	131·3	129·2	125·4	123·0	123·9	123 5	123·8	124·6	125·0	125·8
	20	131·1	133·4	132·6	129·9	126·9	124·0	123·7	124·4	123·6	123·2	124·2	126·1	126·5
	21	132·8	135·8	135·0	130·0	127·0	124·3	122·7	121·1	121·7*	122·7	124·3	125·4	126·5
	22	130·7	132·3	131·0	124·0	125·3	123·1	124·0	124·2	125·6	125·5	124·8	124·5	126·6
	23	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	132·1	133·0	133·0	131·0	126·4	121·9	126·4	119·8	120·0	122·1	124·0	125 8	126·5
	25	132·3	133·0	132·9	130·5	125·3	122·3	121·0	121·0	121·5	122·7	124·5	126·7	127·0
	26	130·3	132·0	131·7	130·0	124·9	119·9	117·2	116·2	116·8	119·2	121·4	123·0	124·6
	27	131·3	131·0	132·3	131·1	123·6	127·4	115·9	116·0	116·2	118·0	121·0	123·1	124·2
	28	131·0	134·5	134·7	130·7	124·4	120·2	117·8	117·0	119·2	122·2	123·8	125·9	126·4
	29	132·9	134·4	134·0	131·9	126·0	121·1	118·0	115·6	115·0	118·0	121·8	125·0	126·2
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		132·56	133·79	133·34	129·95	126·68	123·76	120·33	118·77	118·87	120·32	122·05	123·22	125·62

[a] Two minutes late. [b] Five minutes late. [c] Three minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means.	
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
127·3	128·0	128·0	128·1	131·2	130·1	128·0	127·0	127·6	128·2	128·5	129·8	127·78	
127·0	127·3	128·0	128·0	128·1	128·0	127·8	127·5	127·5	127·7	128·0	129·0	127·26	
128·0	127·8	127·8	127·9	129·2	128·0	128·0	127·8	128·0	128·5	128·2	129·2	127·86	
123·2	125·0	127·4	130·0	129·4	129·8	—	—	—	—	—	—	127·45	127·38
—	—	—	—	—	—	126·2	126·4	129·5	133·0	131·9	132·2		
116·6	119·0	142·7	133·0	134·0	133·1	130·1	126·5	133·4	131·0	129·2	123·8	127·72	
128·7	128·3	127·2	128·4	128·8	128·8	128·4	129·2	128·0	128·1	128·6	129·0	126·93	
125·8	126·7	127·1	127·1	127·9	128·0	127·7	127·7	127·5	127·8	127·5	126·3	127·35	
126·0	127·0	127·2	127·0	128·8	128·0	127·5	127·2	127·8	127·8	128·1	128·7	127·26	
126·5	126·7	122·2	126·8	129·5	129·0	126·5	126·9	127·5	127·0	128·3	128·3	126·69	
123·1	123·8	126·0	126·3	127·0	127·0	—	—	—	—	—	—	126·51	
—	—	—	—	—	—	127·7	127·0	123·8	129·0	129·6	129·5		
126·0	126·9	135·5	142·5	134·9	130·2	132·9	135·4	128·1	126·0	128·7	127·8	129·14	
126·2	126·0	126·3	128·8	132·0	129·0	127·0	129·2	127·0	127·2	128·0	127·5	126·92	
126·3	126·8	127·2	127·1	127·4	127·6	128·5	128·8	128·0	129·0	129·0	130·0	127·15	
126·3	127·5	127·5	129·5	128·9	127·4	127·0	127·0	127·1	127·8	128·0	129·7	126·35	
118·0	118·0	118·4	125·5	130·9	126·0	127·0	127·0	127·5	128·1	130·0	129·7	125·01	
131·6	125·9	136·5	127·6	134·3	130·0	—	—	—	—	—	—	128·74	127·28
—	—	—	—	—	—	130·5	130·9	128·8	130·4	131·7	131·7		
125·0	134·8	126·4	127·2	127·9	128·2	128·5	128·0	124·1	124·0	124·4	127·0	126·88	
125·9	126·5	129·0	128·4	128·2	129·0	130·1	130·8	128·8	129·0	129·5	128·7	127·40	
125·7	128·0	137·0	130·3	131·3	128·3	125·4	123·6	128·3	131·0	125·5	130·5	127·57	
129·1	129·6	129·9	128·9	129·2	131·0	127·8	128·0	127·0	127·1	127·4	127·0	128·35	
125·9	126·8	127·1	127·7	127·6	127·5	127·8	128·6	129·0	129·2	127·0	127·0	127·38	
127·2	127·9	127·9	127·7	129·9	129·0	—	—	—	—	—	—	127·98	
—	—	—	—	—	—	127·4	128·0	128·0	128·5	129·0	129·5		
126·8	126·9	127·0	129·8	127·4	129·9	128·0	129·0	128·0	129·0	128·9	129·2	127·60	
126·4	126·8	127 3	127·0	127·8	127·0	128·2	127·3	129·0	128·9	127·2	130·5	126·85	
120·0	121·8	125·0	127·8	127·9	128·4	126·7	126·5	127·5	126·8	128·1	129·2	125·01	
125·9	130·5	126·6	127·2	131·6	127·2	128·0	128·8	128·5	128·8	128·9	129·3	127·71	
125·9	129·0	126·5	126·1	125·8	129·0	127·5	127·2	129·0	128·0	128·7	130·8	127·05	
125·57	126·64	128·32	128·58	129·52	128·69	128·01	128·05	127·94	128·40	128·44	128·92	127·26	
127·0	129·7	127·7	127·4	129·0	128·5	—	—	—	—	—	—	127·82	127·30
—	—	—	—	—	—	130·2	128·9	127·7	128·8	130·0	128·0		
123·6	125·4	133·3	126·8	126·8	127·0	127·0	127·3	128·0	128·8	126·6	127·2	125·57	
127·0	127·9	127·6	127·8	128·6	129·7	130·2	131·5	133·1	130·7	128·0	135·0	128·08	
106·0	118·2	135·4	128·4	135·8	118·0	135·4	138·7	140·7	140·0	132·6	141·1	125·78	
129·0	121·3	156·1	140·1	131·2	125·9	141·4	124·5	129·7	130·2	131·0	133·1	129·41	
121·0	133·7	124·3	131·2	142·6	129·0	134·5	130·4	135·5	132·4	128·2	131·0	128·70	
130·3	728·2	125·0	128·0	127·0	127·0	—	—	—	—	—	—	126·33	
—	—	—	—	—	—	132·1	128·0	135·0	122·1	136·1	134·3		
126·3	126·3	130·4	126·7	127·3	126·8	127·2	128·0	128·6	124·4	131·0	132·0	126·70	
125·6	126·9	128·2	132·1	132·8	131·5	127·6	124·7	124·0	123·4	136·3	132·6	127·23	
127·2	129·8	133·3	135·6	135·2	135·6	127·4	129 3	131·0	123·8	132·2	135·0	127·73	
127·5	129·1	128·1	125·0	125·3	128·0	—	—	—	—	—	—	125·77	
—	—	—	—	—	—	132·1	125·0	123·0	126·0	128·5	126·6		
137·5	126·0	134·2	127·0	130·0	128·2	—	—	—	—	—	—	127·33	127·04
—	—	—	—	—	—	127·4	128·0	128·5	127·2	130·7	130·6		
124·1	130·0	122·7	128·3	127·4	128·5	134·1	127·9	129·0	124·4	131·9	131·5	127·62	
122·4	128·4	125·4	131·1	125·7	128·6	129·1	129·5	128·4	128·9	127·0	130·8	126·50	
125·8	126·5	125·7	125·8	131·8	128·4	128·1	129·3	128·0	128·2	128·1	129·1	127·61	
126·5	126·2	126·2	127·9	128·8	128·8	127·6	128·7	127·4	128·0	128·7	128·4	127·35	
126·5	126·3	126·6	126·9	126·4	128·0	127·8	127·2	128·4	128·2	129·0	130·0	127·25	
126·6	127·0	126·8	126·0	126·5	126·9	—	—	—	—	—	—	126·32	
—	—	—	—	—	—	125·6	126·8	127·4	127·8	128·8	120·6		
126·5	126·6	125·0	125·1	125·9	125·8	126·4	126·0	125·7	127·9	129·0	131·4	126·53	
127·0	126·7	127·8	125·7	125·6	126·9	130·5	126·7	124·0	125·7	128·1	129·1	126·56	
124·6	125·2	125·5	125·6	126·0	126·8	126·5	127·8	126·2	128·4	129·6	129·0	125·16	
124·2	124·2	125·5	125·8	127·1	125·4	125·8	127·0	127·9	128·9	128·9	130·3	125·00	
126·4	125·6	125·5	125·6	125·8	128·0	126·0	126·8	126·4	127·0	128·6	130·8	125·99	
126·2	126·2	126·3	126·7	127·0	127·2	—	—	—	—	—	—	125·72	125·89
—	—	—	—	—	—	126·0	126·7	126·9	127·2	128·0	129·1		
125·62	126·73	128·86	128·19	128·98	127·69	129·00	128·11	128·77	127·85	129·87	130·69	126·83	

[a] Four minutes late.

[b] Good Friday.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

	Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	12h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
MAY.	1	131·3	131·2	132·0	128·8	120·7	116·9	113·9	116·8	115·4	118·3	121·5	124·8	125·2
	2	132·0	133·2	134·0	134·8	131·6	129·1	126·0	121·8	118·5	119·1	122·0	124·8	126·0
	3	133·1	134·0	133·0	130·4	125·3	120·1	116·7	115·9	116·1	118·6	120·5	122·0	124·6
	4	131·0	133·5	135·8	133·4	128·0	123·1	117·4	117·2	116·9	118·3	119·7	122·9	124·2
	5	131·0	132·0	133·1	134·0	130·8	125·6	121·1	118·1	118·2	119·2	121·4	123·9	125·2
	6	133·0	134·0	136·3	137·0	131·8	126·4	122·0	120·9	117·2	114·1	112·6	124·4	124·9
	7	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	128·3	133·0	132·8	131·0	128·0	124·6	123·3	122·5	122·6	122·3	123·1	123·2	—
	9	126·0	129·7	130·0	130·0	125·0	124·0	119·3	120·0	117·3	119·0	124·1	122·0	130·8
	10	130·0	132·0	132·1	125·0	122·0	122·1	123·0	122·5	120·2	118·3	120·9	122·9	123·2
	11	130·2	129·4	129·0	127·5	126·0	124·4	120·2	118·9	119·2	121·1	123·0	124·0	130·4
	12	127·1	128·9	130·0	131·0	127·6	123·8	120·4	118·0	118·0	120·3	122·4	124·0	124·5
	13	133·0	132·6	131·8	128·6	125·0	122·6	119·3	118·2	120·0	120·4	122·0	123·4	125·6
	14	—	—	—	—	—	—	—	—	—	—	—	—	125·1
	15	129·0	135·0	138·1	139·1	136·0	128·5	121·0	119·0	118·9	113·7	115·0	119·6	—
	16	131·0	132·5	133·5	128·2	122·1	120·9	120·0	118·9	118·6	118·0	120·8	123·2	123·2
	17	128·2	129·1	131·9	129·1	128·0	125·5	122·2	121·5	121·5	121·3	121·8	122·9	126·0
	18	131·0	132·2	132·8	130·1	124·8	122·0	121·6	120·0	120·7	123·1	124·1	124·8	129·8
	19	129·1	132·0	132·0	132·2	129·8	126·1	121·4	119·8	119·4	120·2	123·1	125·4	125·0
	20	133·0	133·0	136·0	134·0	130·1	126·1	123·8	121·9	120·4	122·0	124·1	126·0	126·2
	21	—	—	—	—	—	—	—	—	—	—	—	—	126·9
	22	133·0	134·0	132·8	132·1	127·1	121·9	119·0	118·4	118·9	120·6	120·8	123·8	—
	23	130·8	130·6	128·6	125·5	121·1	116·9	115·0	115·4	117·4	120·9	123·3	124·5	124·3
	24	133·1	133·5	132·0	129·0	124·1	117·6	114·3	112·2	116·0	119·3	123·0	126·0	124·9
	25	132·1	133·2	134·6	132·9	125·6	117·0	113·1	112·8	115·5	119·4	124·2	126·9	127·0
	26	137·0	138·7	138·0	133·8	128·0	123·1	117·3	117·0	115·9	120·0	118·9	122·9	126·2
	27	133·6	134·1	134·0	130·4	128·0	121·6	118·3	115·9	117·4	120·2	123·9	125·2	123·9
	28	—	—	—	—	—	—	—	—	—	—	—	—	126·4
	29	134·0	136·1	138·3	135·0	126·9[a]	120·3	114·1	117·2	117·2	120·0	123·5	129·1	—
	30	133·1	135·0	134·0	131·5	127·0[b]	123·4	119·9	118·1	118·0	119·9	121·4	124·8	126·9
	31	133·2	133·0	133·9	130·0	124·8	120·0	116·5	114·1	116·1	119·7	122·6	125·2	126·4
														126·2
Hourly Means		131·38	132·80	133·35	131·26	126·86	122·74	119·29	118·26	118·25	119·53	121·62	124·17	125·89
JUNE.	1	137·0	136·1	134·0	130·6	127·0	122·1	118·8	118·8	120·2	122·6	124·8	127·5	128·0
	2	140·0	141·0	135·9	130·2	124·8	119·2	116·9	116·6	118·1	120·4	123·2	125·1	126·5
	3	136·1	137·0	137·0	131·0	123·0	118·4	120·2	118·6	118·8	120·9	122·6	123·5	124·8
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	131·6	132·3	131·0	127·1	122·1	120·8	119·3	118·1	118·9	118·7	119·1	121·6	—
	6	129·1	130·5	130·0	128·0	125·0	121·0	118·9	119·5	118·5	119·5	121·1	120·7	125·6
	7	131·0	132·4	132·7	126·2	125·2	121·3	120·3	116·4	116·3	117·4	125·3	125·0	122·8
	8	132·0	132·0	130·2	126·7	123·5	119·6	119·0	120·2	119·6	122·0	123·8	128·4	123·9
	9	132·0	131·2	129·0	127·9	125·2	123·0	121·0	119·6	119·9	121·2	123·8	125·0	126·4
	10	133·3	139·5	132·6	131·3	126·3	122·3	121·2	119·3	121·3	116·5	124·0	126·0	124·2
	11	—	—	—	—	—	—	—	—	—	—	—	—	125·0
	12	134·0	136·5	136·0	132·8	126·0	122·3	118·6	118·8	122·8	122·2	125·4	125·4	—
	13	127·0	131·3	129·2	126·1	126·2	124·0[b]	115·0	120·2	117·0	117·5	122·4	125·5	126·0
	14	129·0	130·9	133·0	134·0	127·7	128·3	120·9	120·0	118·9	119·0	120·0	121·1	123·8
	15	127·0	130·0	130·1	130·0	126·4	121·5	119·0	117·8	118·7	118·6	119·3	122·2	122·4
	16	133·7	134·6	133·3	131·1	127·0	124·1	122·1	120·3	120·0	121·0	123·8	125·4	123·2
	17	131·9	132·9	130·8	126·3	123·0	122·1	118·6	118·1	119·0	118·5	121·2	123·2	126·0
	18	—	—	—	—	—	—	—	—	—	—	—	—	124·0
	19	131·0	132·5	132·0	131·3	130·2	126·0	123·2	119·3	117·2	116·9	117·9	119·8	—
	20	132·7	134·6	133·2	129·1	127·3	122·5	119·0	116·7	117·0	117·9	120·2	122·0	122·7
	21	132·4	133·5	134·0	133·0	127·0	123·0	117·0	115·0	115·8	117·4	118·9	120·9	123·8
	22	130·0	130·8	131·1	130·0	127·6	124·2	121·0	118·0	117·5	118·1	119·8	120·9	123·2
	23	131·0	133·0	131·0	129·2	125·0	121·0	116·3	113·5	114·9	117·8	119·9	121·4	122·5
	24	134·0	137·0	137·4	135·0	131·0	124·0	119·4	117·6	117·4	119·9	122·9	125·3	122·5
	25	—	—	—	—	—	—	—	—	—	—	—	—	125·9
	26	139·5	141·0	140·0	137·0	132·0	125·2	121·0	119·1	120·0	119·5	120·0	121·0	—
	27	134·0	135·0	132·0	129·0	126·0	123·0	120·2	119·7	119·5	120·4	122·2	122·4	122·6
	28	131·8	132·7	130·2	129·0	125·1	124·2	119·0	119·8	120·2	121·7	122·0	123·7	123·1
	29	134·0	134·4	131·2	128·1	126·5	123·0	117·5	117·9	119·1	122·1	124·5	125·1	124·1
	30	132·0	134·3	135·4	136·2	131·2	123·7	118·9	117·0	117·6	118·4	121·2	122·5	123·5
														125·0
Hourly Means		132·58	134·12	132·78	130·24	126·43	122·68	119·32	118·32	118·62	119·46	121·90	123·50	124·29

[a] Three minutes late.

[b] Five minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means.	
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
125·2	125·8	125·3	130·0	128·8	125·2	126·0	126·5	126·8	127·0	127·8	130·8	124·87	
126·0	126·6	126·7	127·0	126·9	127·2	126·8	126·5	127·2	128·5	128·2	130·9	127·31	
124·6	125·5	125·2	126·0	126·6	127·0	126·3	126·9	127·1	127·9	128·3	131·1	125·37	
124·2	124·7	127·0	126·8	126·5	126·0	126·9	126·8	126·5	126·5	127·0	129·2	125·64	
125·2	126·0	125·7	125·8	126·2	126·6	127·0	127·0	127·7	128·0	127·6	128·9	126·25	
124·9	110·3	114·0	122·1	142·0	148·3	—	—	—	—	—	—	126·07	
—	—	—	—	—	—	123·4	130·0	126·5	125·4	122·0	127·0		
130·8	131·0	128·8	127·5	126·4	130·6	123·3	126·2	128·0	127·5	128·0	128·0	127·12	
123·2	124·0	125·4	124·8	124·4	128·0	128·7	128·5	128·0	126·7	127·2	130·0	125·22	
130·4	123·0	125·2	134·1	125·5	127·4	128·1	120·3	127·0	129·9	128·5	131·0	125·89	
124·5	127·2	126·5	126·3	126·1	124·2	124·5	126·0	126·0	127·0	124·8	128·0	125·17	
125·6	125·2	132·0	130·0	135·2	135·1	129·0	129·5	128·1	128·0	128·0	131·6	127·03	126·10
125·1	124·8	124·0	128 0	125·9	127·0	—	—	—	—	—	—	126·05	
—	—	—	—	—	—	129·3	128·8	129·0	127 3	129·0	130·0		
123·2	127·0	127·0	134·7	141·1	130·3	133·6	130·0	131·9	128·0	122·5	121·9	127·67	
126·0	125·2	128·0	127·3	124·9	126·3	131·1	119·6	124·6	125·3	125·8	127·3	124·99	
129·8	130·1	127·5	127·6	127·0	130·0	125·4	127·2	124·8	124·2	123·7	125·0	126·05	
125·0	126·0	126·0	125·8	125·4	126·0	127·6	128·0	128·6	127·0	127·0	128·9	126·19	
126 2	128·1	125·8	126·1	129·0	123·2	124·0	126·0	126·5	125·2	126·8	120·3	125·74	
126·9	125·5	125·8	125·2	125·0	125·0	—	—	—	—	—	—	127·13	
—	—	—	—	—	—	126·0	126·4	126·9	127·2	129·7	131·2		
124·3	[illegible]	125·9	127·0	126·2	126·4	127·1	128·0	128·5	128·2	129·4	130·7	126·19	
124·9	[illegible]	123·0	126·2	125·2	124·8	125·4	125·4	126·0	127·5	128·0	130·5	124·22	
127·0	2 [illegible]	125·1	124·2	124·1	124·5	124·8	124·8	125·0	127·4	128·7	130·6	124·74	
126·2	[illegible]	125·2	125·0	124·9	125·0	125·4	126·1	126·8	126·5	126·2	132·0	125·10	
123·9	124·0	124·2	123·0	121·3	124·8	124·0	125·3	127·1	128·1	130·1	131·2	125·74	125·94
126·4	125·8	132·4	124·3	124·2	124·7	—	—	—	—	—	—	125·94	
—	—	—	—	—	—	125·0	125·4	126·0	126·0	128·0	131·7		
126·9	127·0	126·7	125·6	125·8	126·8	135·9	127·7	119·9	122·3	127·9	130·7	126·50	
126·4	127·0	125·8	125·6	126·6	129·7	125·9	127·0	126·0	126·2	127·2	130·0	126·27	
126·2	126·1	125·8	125·0	126·0	125·4	126·0	126·2	124·4	126·2	128·6	135·0	125·43	
125·89	125·47	125·96	126·70	127·36	127·61	126·91	126·52	126·70	126·85	127·26	129·39	125·92	
128·0	126·2	125·5	125·0	125·5	126·0	127·1	127·1	125·8	127·6	127·2	135·0	126·90	
126·5	124·5	124·5	122·1	123·7	124·2	128·0	126·0	127·2	140·0	137·7	135·8	127·15	
124·8	134·8	125·2	128·9*	119·2	124·0	—	—	—	—	—	—	125·70	
—	—	—	—	—	—	125·6	122·2	122·4	126·1	127·4	129·2		
125·6	127·6	123·6	123·3	125·4	130·1	124·6	124·5	124·0	126·0	127·0	128·0	124·60	
122·8	126·1	129·8	127·4	128·0	126·0	123·7	126·0	125·5	125·0	127·9	129·0	124·97	
123·9	123·2	125·5	142·8	132·5	126·7	124·8	128·3	131·4	123·4	128·0	130·5	126·27	
126·4	125·0	125·0	125·0	126·9	127·0	125·4	124·5	124·0	126·9	127·4	129·7	125·42	
124·2	123·9	123·0	123·0	123·5	124·2	124·5	127·4	128·0	130·1	133·1	126·2	125·41	125·40
125·0	126·5	130·7	131·6	130·4	128·5	—	—	—	—	—	—	125·73	
—	—	—	—	—	—	125·1	121·6	123·5	122·5	123·2	115·4		
126·0	126·2	121·1	130·7	131·9*	125·9	122·4	126·1	125·5	125·0	125·5	129·0	126·50	
123·8	125·7	130·4	127·2	128·5	128·0	127·0	123·8	124·5	123·6	124·1	127·0	124·71	
122·4	123·8	123·8	124·0	124·0	125·9	130·1	130·0	127·0	125·4	126·5	126·8	125·52	
123·2	124·2	123·8	124·6	124·2	124·0	124·0	122·0	125·1	125·8	126·2	131·0	124·11	
126·0	126·4	123·4	123·0	124·2	124·5	124·2	124·7	124·1	125·7	127·2	130·0	125·82	
124·0	124·0	123 8	123·6	124·0	124·4	—	—	—	—	—	—	124·38	
—	—	—	—	—	—	124·8	125·2	126·0	125·5	125·0	129·3		
122·7	127·0	125·2	126·0	125·5	123·9	125·2	125·6	126·2	127·0	127·2	129·3	125·34	
123·8	125·5	124·0	125·0	127·0	125·2	125·4	125·1	123·0	125·0	127·2	130·7	124·96	
123·2	122·4	122·8	127·0	126·0	125·2	126·9	125·5	125·0	126·5	127·2	129·6	124·80	
122·5	123·2	121·2	123·0	133·1	130·0	129·5	125·0	124·8	124·4	127·0	128·9	125·08	
122·5	123·2	125·5	124·2	124·0	125·6	126·0	125·9	126·5	127·8	129·0	131·0	124·38	
125·9	126·0	125·0	126·0	125·0	126·2	—	—	—	—	—	—	126·87	125·68
—	—	—	—	—	—	128·8	127·6	128·0	129·2	131·0	125·0		
122·6	123·0	123·0	124·0	124·3	124·7	125·4	126·0	127·0	128·6	129·9	131·5	126·89	
123·1	122·8	122·9	123·8	123·0	123·0	128·8	127·0	127·0	128·5	128·2	130·0	125·48	
124·1	124·1	124·1	124·5	126·0	128·2	129·8	126·0	123·6	129·3	127·1	131·4	125·73	
123·5	122·0	126·3	127·2	125·6	125·6	127·0	127·7	125·8	126·7	128·5	131·0	125·85	
125·0	124·2	126·2	128·8	131·4	132·0	134·0	143·5	130·1	131·4	131·2	136·5	128·45	
124·29	125·06	124·82	126·22	126·26	126·12	126·47	126·32	125·81	127·04	127·96	129·49	125·66	

* Four minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
JULY.	1	137·0	138·2	134·0	132·1	127·8	124·0	120·2	115·2	117·2	120·0	122·4	124·0
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	136·0	134·0	134·0	134·9	131·2	126·2	120·1	117·8	119·2	120·9	120·9	122·7
	4	131·4	131·8	129·7	130·1	128·0	127·0	121·7	119·3	117·8	119·7	119·1	120·2
	5	130·2	130·9	130·7	129·8	128·6	126·3	124·2	122·7	122·2	121·9	122·2	123·6
	6	130·0	130·9	130·1	130·0	127·8	125·0	122·0	119·9	120·3	119·8	121·1	122·2
	7	130·0	132·0	132·7	132·5	127·9	123·3	119·1	120·0	119·3	117·2	115·8	121·1
	8	133·4	138·1	138·7	136·5	126·1	119·7	117·2	116·3	119·7	123·6	126·5	127·2
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	127·5	132·1	125·2	125·2	120·5	114·2	114·9	110·9	114·0	119·5	122·0	124·0
	11	131·0	131·5	130·7	130·1	126·2	123·1	121·1	120·0	115·2	119·1	118·4	122·8
	12	129·1	130·9	130·7	127·2	124·0	120·4	119·0	119·4	121·0	120·0	121·8	125·3
	13	128·2	135·6	135·2	134·0	130·9	126·0	123·3	121·6	120·2	120·5	120·2	125·2
	14	130·7	127·8	130·0	135·5	131·5	124·2	118·7	115·0	115·2	117·0	118·2	119·8
	15	132·9	130·7	129·7	134·6	130·9	127·3	124·2	121·4	117·3	117·0	118·8	122·1
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	132·0	135·0	131·9	128·9	126·1	121·9	121·0	119·4	119·5	119·5	121·0	123·0
	18	131·6	130·8	130·7	127·6	124·9	120·4	117·3	115·5	117·3	121·6	122·5	124·8
	19	130·8	132·9	134·6	132·1	128·0	124·0	119·2	116·9	117·0	119·4	121·0	123·7
	20	131·2	131·3	131·9	130·2	126·8	122·5	118·2	116·2	116·8	118·8	122·0	124·6
	21	129·3	130·5	134·0	131·0	126·5	122·0	117·4	113·3	113·5	114·8	120·9	124·8
	22	136·0	139·6	137·5	132·7	124·9	120·0	115·8	115·2	116·8	118·2	120·3	122·1
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	134·9	135·0	135·7	133·1	128·4	124·0	125·8	123·0	116·6	113·6	108·9	123·1
	25	114·2	113·2	119·9	109·5	111·6	115·6	109·8	101·7	108·0	105·6	110·4	106·9
	26	138·8	139·2	138·0	130·2	126·0	121·4	116·3	118·0	118·9	122·9	124·2	124·5
	27	134·2	137·1	134·0	127·1	121·5	118·1	116·8	114·8	118·2	120·8	120·0	124·2
	28	132·0	134·1	130·1	129·0	123·9	119·5	113·0	110·2	112·9	116·8	122·0	128·1
	29	134·6	136 8	134·5	132·5	127·0	122·4	118·0	114·0	115·2	115·5	120·2	120·8
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	129·0	132·0	134·0	130·9	125·3	122 1	117·1	113·8	116·8	112·3	116·1	121·0
Hourly Means		131·38	132·77	132·24	130·28	126·24	122·33	118·90	116·60	117·31	118·31	119·88	122·76
AUGUST.	1	134·0	135·0	136·8	134·0	129·8	125·1	119·8	116·8	116·2	119·0	122·7	124·8
	2	130·0	133·0	130·6	126·1	122·0	119·0	116·8	118·5	120·2	121·6	123·2	123·8
	3	130·8	132·1	133·0	131·0	128·0	120·0	118·2	116·4	119·7	121·0	124·9	127·1
	4	139·1	133·9	131·1	126·0	124·9	118·5	110·2	117·2	118·1	119·2*	123·3	122·8
	5	132·0	132·5	133·0	130·0	124·0	121·4	121·1	120·9	121·0	120·2	121·6	122·8
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	132·5	134·0	132·0	127·0	121·1	120·2	119·6	117·0	117·2	120·5	120·3	123·2
	8	135·0	139·8	135·9	129·9	119·8	118·7	112·2	116·6	114·8	117·6	122·6	124·3
	9	131·0	136·9	132·8	129·7	124·2	121·2	117·5	115·7	115·8	119·8	122·8	125·9
	10	131·0	134·0	134·4	130·0	121·9	115·5	116·4	114·6	117·1	121·4	123·7	124·7
	11	136·6	135·8	132·9	128·0	122·0	119·4	113·5	113·6	117·3	120·2	124·0	129·2
	12	134·0	130·0	132·6	131·4	127·0	123·9	119·0	116·5	118·4	120·5	123·2	123·9
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	130·3	132·0	133·9	128·0	123·5	118·0	116·0	115·6	115·8	119·6	121·0	122·8
	15	132·1	134 0	135·8	132·2	129·0	123·8	120·2	118·9	119·5	121·0	122·1	123·7
	16	128·9	132·0	132·1	131·0	128·0	122·0	116·7	115·2	114·9	118·3	120·6	122·0
	17	129·5	131·1	133·0	130·8	126·2	119·0	114·0	112·6	114·5	117·8	122·6	125·7
	18	130·2	133·7	133·0	129·2	126·0	120·5	117·8	115·3	117·2	121·0	123·2	125·1
	19	133·0	136·6	136·1	130·4	124·0	120·6	119·2	118·5	119·9	121·7	123·5	125·0
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	130·0	136·0	133·8	130·0	124·0	118·9	115·5	114·9	117·2	121·0	123·2	125·4
	22	130·0	131·9	128·1	130·8	123·0	125·5	114·2	113·8	108·1	112·8	114·7	121·8
	23	132·2	132·0	133·4	130·6	125·8	125·0	122·0	117·6	120·2	122·1	123·5	128·6
	24	128·4	133·0	133·0	131·6	126·3	123·8	119·2	116·0	118·5	121·2	122·5	122·3
	25	132·0	134·0	131·8	131·1	124·0	117·7	111·9	108·1	109·7	115·5	122·2	124·7
	26	129·1	131 5	133·8	130·9	124·0	118·9	112·8	112·4	115·0	118·8	123·0	124·8
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	131·2	136·4	136·1	134·2	128·8	123·8	118·6	115·7	114·8	117·2	121·0	123·2
	29	131·0	134·0	134·9	132·0	127·7	122·6	117·9	114·8	114·8	117·4	120·6	123·0
	30	129·1	131·0	131·3	132·6	127·0	124·9	121·7	118·3	117·4	118·8	120·5	122·7
	31	125·0	131·3	131·5	130·0	123·3	120·2	117·8	117·0	117·5	120·1	121·8	123·0
Hourly Means		131·41	133·69	133·21	130·31	124·99	121·04	117·03	115·87	116·70	119·46	122·16	124·31

* Five minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
123·8	124·8	124 1	139·2	126·0	126·5	—	—	—	—	—	—	127·08
—	—	—	—	—	—	132·8	125·0	124·7	126·9	131·8	132·1	
123·1	124·2	123·5	128·2	126·4	122·8	129·0	128·2	123·5	126·2	127·2	124·0	126·01
120·5	121·2	128·4	127·8	126·2	119·2	133·5	129·0	126·6	127·2	128·0	129·2	125·53
123·8	124·0	122·9	124·2	124·8	125·4	125·4	126·0	128·8	124·4	127·2	128·0	125·78
123·8	123·2	123·7	125·7	125·0	124·8	125·2	125·8	126·0	126·5	128·8	129·0	125·27
113·9	113·8	121·4	137·0	127·8	128·6	136·0	134·4	139·8	123·0	124·2	130·7	125·90
126·8	127·2	126·0	122·0	124·2	125·6	—	—	—	—	—	—	126·10
—	—	—	—	—	—	125·5	124·2	121·6	123·6	125·7	121·0	
127·0	132 8	125·6	123·0	124·0	125·1	126·4	128·6	120·2	129·4	127 8	123·1	123·45
140·1	125·0	125·0	126·3	124·8	124·5	125·0	126·2	126·2	125 7	127·6	127·1	125·70
128·2	127·2	123·8	126·0	125·5	124·2	125·0	125·4	125·8	125·5	126·2	127·2	124·95
124·8	124·6	124·4	125·0	138·6	135·4	133·0	126·8	126·4	126·2	126·4	121·8	127·26
121·8	123·3	122·0	123·3	128·8	133·6	128·5	124·7	126·1	126 9	124·6	130·4	124·90
126·3	127·2	126·4	126·0	127·0	127·4	—	—	—	—	—	—	125·85
—	—	—	—	—	—	125·8	125·0	126·2	124·0	122·5	129·8	
124·0	123·8	124·0	124·7	127·1	128·8	126·0	126·0	125·7	125·8	126·9	128·8	125·45
126·9	125·4	124·5	124·2	124·0	128·1	129·0	125·8	126 0	125·2	126·5	129·0	124·98
125·8	125·9	125·1	125·5	126·5	127·5	125·6	125·0	125·0	124·0	125·7	129·1	125·43
126·2	126·0	124·2	123·8	123·0	124·6	127·0	131·7	127·0	126·2	127·0	129·0	125·26
126·2	125·8	124·9	127·0	124·0	128·2	126·0	128·6	131·7	134·2	131·1	135·0	125·86
124·7	123·2	129·5	123·4	123·6	125·0	—	—	—	—	—	—	125·43
—	—	—	—	—	—	124·3	125·0	126·0	127·8	127·7	131·0	
123·2	123·2	123·2	125·1	123·2	122·8	123·4	126·0	130·5	136·4	141·4	132·2	126·36
116·1	121·1	127·0	126·0	142·8	123·5	123·2	123·5	124·8	126·8	129·1	124·0	118·10
130·0	128·0	124·0	122·4	122·9	123·2	127·7	132·3	132·2	130·0	131·0	129·0	127·13
125·2	128·5	123·3	133·0	126·2	122·9	123·1	119·5	122·6	126·6	128·2	130·0	124·83
124·8	123·7	122·4	123·8	134·0	127·0	129·6	126·0	126·0	125·4	127·8	124·0	124·42
137·4	127·4	124·2	126·9	123·5	127·0	—	—	—	—	—	—	126·00
—	—	—	—	—	—	13.·3	132·0	128·4	124·9	123·5	125·1	
123·2	123·5	123·2	126·3	124·5	123·0	125·0	125·2	123·2	125·3	126·0	129·0	123·64
124·52	124·77	124·49	126·38	126·71	126·72	127·43	126·77	126·58	126·70	127·71	128·02	125·24
124 0	125·2	122·0	122 8	123·9	124·0	125·6	126·8	127 0	126·1	126·9	128 0	125·68
124·7	123·8	124·9	123·2	123·2	128·0	127·1	132·3	130·5	128·5	130·0	132·1	125·55
126·5	126·0	127·2	133·4	127·5	127·8	123·5	119·3	128·5	131·2	130·8	136·0	126·66
133·2	134·0	122·3	122·1	123·0	124·1	126·0	126·0	119 8	120·0	130·0	124·1	124·50
123 9	123·0	123·8	124·1	124·0	133·3	—	—	—	—	—	—	125·07
—	—	—	—	—	—	125·4	126·0	124·2	124·4	122·0	127·0	
123·0	123·2	121 8	125·5	126·7	127·0	127·2	124·5	123·8	124·0	123·0	133·0	124·47
125·7	128·1	146·3	127·3	127·7	121·5	120·5	130·4	127·6	126·0	127·8	126·2	125·93
129·0	128·1	123·9	123·0	122·5	121·5	123·2	123·4	125·5	127·0	120·0	129·3[b]	124·57
124·8	123·5	122·0	123·2	122·5	123·0	124·1	124·0	127·0	127·0	121·1	131·0	124·08
126·8	125·5	123·3	125·3	125·0	125·2	124·0	126·0	127·6	125·4	128·7	121·0	124 85
125·0	125·7	132·1	126·0	124·4	125·0	—	—	—	—	—	—	125·68
—	—	—	—	—	—	124·5	124·0	127·0	126·2	126·9	129·0	
124·2	124·4	123·0	123·8	123·8	124·7	125·0	128·1	126·0	121·2	128·7	129·3	124·09
123·9	124·7	126·2	131·4	124·0	125·0	124·2	125·2	125·7	124·0	126·3	127·2	125·84
122·8	124·0	123·2	124·5	126·1	124·9	124·7	120·2	126·0	127·0	127·0	125·1	124·05
125 5	125·4	124·8	124·0	124·3	123·8	128·1	127·0	125·5	126·2	126 5	127·0	124·37
126·0	126·0	124·5	123·8	123·0	125·2	126·0	125·0	124·8	125·9	126·3	130·0	124·95
125·0	125·0	128·5	124·8	124·0	124·4	—	—	—	—	—	—	125·18
—	—	—	—	—	—	125·0	124·8	125·2	124·5	127·0	132·0	
124·3	123·0	123·0	124·0	125·4	125·0	125·5	127·2	129·3	132·3	137·5	130·0	125·68
123·0	124 1	129·2	130·6	127·0	128·4	125·4	125·0	129·1	122·6	126·1	126·0	123·80
124·9	131·1	128·9	130·6	130·8	129·9	124·1	122·7	123·2	121·1	119·8	129·4	126·22
123·3	125·0	124·2	123·8	123·0	127·6	125·0	124·8	125·6	127·7	127·0	128·9	125·07
125·2	123·9	124·0	130·2	135·0	122·0	123·4	118·7	117·4	126·2	127·0	127·3	123·46
134·1	128·2	126·8	126·9	124·2	124·0	—	—	—	—	—	—	124·51
—	—	—	—	—	—	123·5	122·8	124·0	124·2	125·5	127·0	
124·5	123·8	127·6	125·4	127·8	122·2	124·0	124·0	124·7	125·2	126·9	128·3	125 22
123·8	123·0	123·1	123·5	123·9	125·1	124·0	125·8	125·0	126·8[c]	127·0	127·6	124·55
123·9	123·2	122·7	122·5	122·0	125·3	125·0	125·4	126·0	125·6	126·0	120·0	124·29
123·8	123·5	123·2	122·8	127·2	126·6	125·0	132·8	131·7	129·9	126·9	130·6	125·10
125·36	125·35	125·65	125·50	125·25	125·35	124·78	125·27	125·80	125·79	126·62	128·24	124·96

[b] Eight minutes late. [c] Two minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

Mean Göttingen Time.		0h.	1h.	2h	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	12h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
SEPTEMBER.	1	133·0	133·1	132·1	130·9	119·7	115·9	105 0	116·6	119·8	115·0	120·2	123·8	125·4
	2	132·0	137·0	129·3	126·0	121·0	117·6	116·2	117·3	119·1	122·1	128·5	124·7	120·8
	3	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	130·0	131·0	129·0	130·0	124·2	121·7	118·1	118·5	118·8	121·8	121·5	122·2	120·5
	5	128·0	128·0	130·0	126·6	118·4	116·0	112·8	115·1	118·4	121·3	128·0	125·3	126·2
	6	132·0	135·1	133·0	128·2	123·7	119·2	116·1	115·0	116·2	119·9	122·5	124·0	124·2
	7	129·3	131·2	131·2	127·4	123·2	118·3	116·7	114·3	116·2	120·6	122·6	125·2	125·1
	8	129·0	125·0	124·8	126·1	122·0	117·2	115·1	117·1	120·2	122·1	124·2	125·1	126·1
	9	134·0	136·8	132·8	129·4	121·9	116·8	110·6	113·1	116·0	116·0	120·0	121·8	123·9
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	125·0	134·0	132·0	128·2	125·0	119·0	117·3	118 8	120·4	122 8	125·2	123·9	123·9
	12	131·6	133·0	131·3	129·7	125·6	120·0	118·7	118·2	119·9	120·5	122·9	122·4	125·2
	13	132·0	133·0	132·4	131·3	124·7[a]	118·1	114·0	115·0	118·2	121·2	123·9	123·9	123·6
	14	128·5	131·9	130·0	128·0	120·8[b]	116·3[b]	113·9	114·6	115·8	118·8	121·3	124·2	124·2
	15	126·4	129·5	128·8	125·8	118·5	117·9	116·0	117·8	119·8	122·2	12[illegible]·7	123·2	122·8
	16	130·5	132·0	130·9	125·2	121·4	118·1	116·0	116·4	119·2	123·2	125·6	125·3	123·0
	17	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	131·0	131·0	134·5	126·4	123·2	122·6	118·2	114·1	115·8	117·0	116·7	122·2	120·0
	19	127·0	129·4	128·8	129·0	125·1	120·7	119·2	118·2	116·0	115·0	117·8	126·7	121·5
	20	129·0	132·1	131·8	128 6	124·1	122·1	120·0	117·2	117·9	118·7	117·9	123·8	123·4
	21	129·2	133·8	132·0	130·3	126·3	121·4	114·6	114·6	116·9	119·0	122·0	120·8	124·5
	22	134·0	131·8	132·0	120·7	119·0	118·9	115·1	115·8	118·3	120·8	122·0	124·1	133·4
	23	129·0	122·5	126·0	126·2	120·7	117·5	116·0	115·1	117·9	121·0	123·9	126·9	125·0
	24	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	128·0	132·0	132·2	129·0	122·0	118·3	115·0	112·7	115·0	118·2	121·5	123·0	123·0
	26	127·9	133·6	134·1	131·0	126·0	121·8	116·0	116·5	117·8[d]	118·6	120·8	122·8	124·0
	27	129·0	131·0	132·2	131·8	128·0	123·0	120·0	119·8	120·2	120·5	122·0	122·0	123·0
	28	119·9	129·8	127·1	124·0	128·0	124·0	122·0	122·0	122·0	122·5	123·6	124·5	124·4
	29	127·2	130·4	132·0	131·0	129·2	126·0	122·2	118·1	117·2	118·8	119·8	122·1	124·0
	30	122·2	128·0	127·6	121·9	126·2	125·7	117·4	116·6	116·9	118·5	120·6	121·2	125·5
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		129·03	131·38	130·69	127·80	123·38	119·77	116·27	116·48	118·07	119·85	122·37	123·63	124·22
OCTOBER.	2	125·6	127·2	126·8	125·2	124·4	123·1	122·0	120·2	121·4	122·4	123·3	124·2	127·2
	3	124·6	131·0	131·0	128·1	125·1	123 4	122·1	122·0	122·2	123·3	123·9	124·5	125·9
	4	127·2	128·7	130·0	126·8	125·9	123 7	121·2	123·0	122·9	123·2	124·6	125·2	124·5
	5	128·0	131·8	129·2	128·6	123·8	118·9	114·0	116·0	116·1	119·5	122·2	124·7	125·5
	6	127·6	127·8	129·7	129·5	125·0	120·5	115·5	116·1	118·9	121·5	123·5	126·2	124·0
	7	126·0	128·4	132·0	131·0	125·0	120·7	117·0	117·5	119·1	121·5	124·0	124·8	124·1
	8	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	128·0	130·6	132·6	133·0	130·9	126·0	119·9	118·3	118·1	120·3	123·0	124·2	124·5
	10	130·0	133·1	132·0	130·5	126·1	122·0	118·9	118·6	117·8	118·5	119·2	120·1	122·6
	11	126·5	129·0	130·4	131·0	128·4	122·8	120·8	119·3	118·9	118·9	121·0	123 0	124·0
	12	125·1	126·0	126·0	131·0	128·0	124·8	121·1	119·1	117·9	117·9	120·3	121·2	124·0
	13	123·0	128·4	129·0	128·0	125·0	124·8	120·2	120·0	119·0	119·5	122·5	124·1	124·1
	14	129·1	129·9	131·1	131·8	128·0	126·1	122·6	119·1	117·2	119·0	119·7	118·0	127·5
	15	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	110·0	128·5	130·1	130·4	128·2	125·9	123·5	120·6	122·0	117·6	116·2	124·4	122·6
	17	127·7	126·0	113·5	124·5	121·0	119·3	120·1	125·1	122·7	123·0	124·2	124·0	125·8
	18	128·0	128·0	128·3	127·2	126·9	126·2	123·2	121·5	120·5	123·0	124·2	124·3	125·1
	19	126·7	128·1	129·8	128·7	126·1	124·1	123·9	122·8	122·5	122·8	124·0	124·5	124·2
	20	128·4	128·9	129·2	128·9	127·4	125·4	123 3	120·9	120·8	121·5	123·4	124·0	123·3
	21	126·0	127·0	128·0	127·0	126·1	123·9	121·6	121·2	121·9	123·1	124·2	124·5	124·8
	22	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	127·5	128·8	129·0	128·2	126·3	123·0	120·5	120·7	122·4	125·0[c]	126·0	125·3	124·8
	24	128·4	126·9	126·9	126·0	124·5	122·1	121·5	121·1	121·9	123·5	124·1	124·5	124·0
	25	129·3	131·1	130·9	129·5	[illegible]·0	119·6	119·6	119·5	121·2	122·4	124·0	125·0	124·9
	26	115·2	125·1	128·8	135·0	1[illegible]	122·8	119·2	114·9	119·0	122·9	116·2	123·4	125·5
	27	125·8	119·1	128·5	132·0	[illegible]	122·1[illegible]	120·0	119·9	121·2	122·0	123·5	124·7	125·0
	28	124·9	127·1	130·0	130·8	[illegible]3	125·2	124·0	119·9	120·0	121·8	123·6	123·9	124·2
	29	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	126·2	128·0	128·0	1[illegible]·7	12[illegible]·1	121·0	121·9[e]	121·2	119·8	117·9	121·0	124·0	124·0
	31	124·2	127·1	129·1	[illegible]0·2	127·2	125·0	122·0	122·8	122·2	123·4	124·2	124·5	124·8
Hourly Means		125·73	128·14	128·[illegible]	129·22	126·70	123·17	120·75	120·05	120·29	121·36	122·54	123·89	124·65

[a] Three minutes late. [b] Five minutes late. [c] Seven minutes late. [d] Twelve minutes late.

ation.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0'·721. Increasing numbers denote decreasing Westerly Declination.

10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means.	
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
120·2	123·8	125·4	124·0	127·2	133·0	129·2	128·5	128·8	125·5	124·8	123·5	123·0	112·7	123·78	124·78
128·5	124·7	120·8	122·4	125·8	125·0	123·2	124·0	—	—	—	—	—	—	124·54	
—	—	—	—	—	—	—	—	124·8	125·7	126·0	126·4	127·0	127·1		
121·5	122·2	120·5	122·7	127·1	129·8	125·9	127·0	133·0	135·2	130·5	125·6	122·5	123·2	125·41	
128·0	125·3	126·2	125·0	129·9	[illegible]	[illegible]	128·8	126·0	139·7	127·5	134·0	137·5	135·0	126·73	
122·5	124·0	124·2	123·8	124·8	[illegible]	[illegible]	127·1	125·6	124·2	120·0	123·5	126·8	127·0	124·77	
122·6	125·2	125·1	124·8	125·4	124·6	124·2	[illegible]5·2	126·0	128·2	[illegible]	[illegible]	126·5	128·1	124·25	
124·2	125·1	126·1	126·0	125·4	126·4	122·2	[illegible]9·2	125·0	132·8	[illegible]	125·5	125·8	132·0	124·21	
120·0	121·8	123·9	124·0	124·0	124·2	124·8	124·6	—	—		—	—	—	124·88	
—	—	—	—	—	—	—	—	135·0	133·2	130·4	132·0	120·8	131·0		
125·2	123·9	123·9	123·9	124·2	123·8	124·0	124·6	132·1	121·2	125·3	125·0	122·2	126·0	124·49	
122·9	122·4	125·2	124·8	126·5	125·2	127·3	139·2	126·3	128·0	125·0	127·0	126·8	120·0	125·63	
123·9	123·9	123·6	124·3	123·9	124·0	125·8	123·8	123·4	123·8	124·0	124·5	125·0	125·0	124·12	
121·3	124·2	124·2	123·0	123·2	128·2	127·0	125·0	122·8	123·3	123·0	124·0	124·2	125·0	123·21	
12[illegible]·7	123·2	122·8	126·8	123·6	123·7	123·2	124·0	123·2	126·0	125·8	125·7	128·0	127·8	123·76	12[illegible]
125·6	125·3	123·0	122·4	123·1	123·2	119·4	119·6	—	—	—	—	—	—	124·72	
—	—	—	—	—	—	—	—	126·4	126·6	129·2	131·0	136·6	129·0		
116·7	122·2	120·0	126·1	118·5	127·0	122·7	125·0	128·0	131·2	127·0	129·8	120·3	124·0	123·85	
117·8	126·7	121·5	122·2	124·0	123·9	123·8	125·2	124·0[e]	122·2	120·0	117·5	125·2	124·6	122·76	
117·9	123·8	123·4	122·6	121·2	134·6	123·7	123·5	116·7	130·2	125·0	124·4	131·0	116·5	124·04	
122·0	120·8	124·5	128·0	127·2	124·0	134·7	124·0	136·0	129·5	125·5	121·8	128·7	132·9	125·74	
122·0	124·1	133 4	123·6	124·6	125·0	126·0	124·5	126·2	124·5	127·2	125·4	126·0	126·0	124·37	
123·9	126·9	125·0	124·1	123·5	125·0	124·2	123·0	—	—	—	—	—	—	123·18	
—	—	—	—	—	—	—	—	122·3	122·4	126·8	126·8	124·9	125·6		
121·5	123·0	123·0	123·2	125·4	125·5	123·9	125·9	126·0	125·5	125·0	126·2	126·5	127·0	123·75	
120·8	122·8	124·0	124·0	126·5	129 5	127·1	125·0	124·0	123·9	124·7	125·0	125·0	126·0	124·65	
122·0	122·0	123·0	122·4	130·3	127·6	134·0	128·2	128·8	122·5	130·3	130·5	124·0	128·0	126·21	
123·6	124·5	124·4	127·0	126·9	132·4	126·1	125·7	125·2	126·0	125·2	124·9	125·7	126·0	125·20	
119·8	122·1	124·0	123·2	133·2	127·5	130·0	128·0	125·0	121·0	125·4	128·7	127·8	126·4	125·59	124·97
120·6	121·2	125·5	125·0	126·6	133·0	127·1	120·5	—	—	—	—	—	—	124·35	
—	—	—	—	—	—	—	—	125·4	127·0	130·5	126·4	127·2	127·4		
122·37	**123·63**	**124·22**	**124·20**	**125·46**	**127·45**	**126·10**	**125·12**	**126·38**	**126·90**	**125·98**	**126·08**	**126·35**	**126·13**	**124·55**	
123·3	124·2	127·2	125·8	123·5	124·2	125·0	124·8	126·0	132·8	.38·6	138·8	129·8	116·1	125·77	
123·9	124·5	125·9	125·0	123·8	123·5	123·0	127·8	123·2	125·0	127·1	127·0	127·0	130·3	125·41	
124·6	125·2	124·5	125·7	124·5	139·5	125·2	125·7	130·2	128·4	127·2	130·5	130·8	128·0	126·78	
122·2	124·7	125·5	126·0	129·1	133·6	127·2	127·5	126·0	124·2	125·0	124·2	124·8	125·4	124·64	
123·5	126·2	124·0	126·5	124·4	126·0	124·0	123·8	121·4	126·0	125·5	125·5	125·0	126·1	124·17	
124·0	124·8	124·1	124·1	124·0	124·0	124·2	124·8	—	—	—	—	—	—	124·41	
—	—	—	—	—	—	—	—	125·6	127·9	126·2	120·4	126·1	127·4		
123·0	124·2	124·5	124·2	124·2	124·0	124·6	124·9	124·4	124·4	127·2	124·8	127·8	128·0	125·33	
119·2	120·1	122·6	125·1	125·2	125·0	126·2	126·1	124·3	124 0	125·5	125·2	125·0	126·1	124·88	
121·0	123 0	124·0	124·3	124·8	124·4	124·7	126·5	125·5	125·8	125·0	124·8	125·2	125·0	124·58	
120·3	121·2	124·0	124·2	125·3	134·2	125·8	126·1	127·6	131·2	126·6	127·0	126·2	120·0	124·86	
122·5	124·1	124·1	123·2	124·0	124·0	128·1	126·0	126·6	126·0	126·2	124·0	120·5	128·3	124·35	
119·7	118·0	127·5	126·0	128·2	127·4	127·0	125·3	—	—	—	—	—	—	125·42	124·94
—	—	—	—	—	—	—	—	123·8	125·5	126·2	127·0	131·5	123·0		
116·2	124·4	122·6	123·0	127·0	126·0	126·0	127·8	127·0	125·4	125·0	127·2	130·5	129·0	124·75	
124·2	124·0	125·8	130·7	127·0	126·5	126·0	125·8	120·7	127·8	118·3	123·8	126·3	127·0	124·03	
124·2	124·3	125·1	124·3	126·5	132·4	139·3	129·2	127·0	123·7	125·0	125·5	125·2	126·1	126·28	
124·0	124·5	124·2	125·1	124·5	125·7	125·2	116·6	122·3	125·4	127·0	129·2	129·4	127·0	125·23	
123·4	124·0	123·3	124·0	124·9	127·9	126·0	125·2	124·0	124·2	124·9	125·0	125·6	125·7	125·12	
124·2	124·5	124·8	125·2	126·2	124·7	124·5	124·6	—	—	—	—	—	—	125 11	
—	—	—	—	—	—	—	—	124·2	127·0	126·4	126·5	127·0	127·0		
126·0	125·3	124·8	124·8	125·5	125·0	126·2	125·3	125·5	125·0	125·8	126·0	126·9	127·2	125·47	
124·1	124·5	124·0	124·6	125·5	127·5	126·1	128·0	125·7	126·6	128·1	127·9	130·5	129·0	125·62	
124·0	125·0	124·9	125·1	126·0	126·0	125·8	125·0	126·0	127·0	126·2	125·4	125·2	129·4	125·34	
116·2	123·4	125·5	130·8	133·5	130·2	128·5	127·8	128·7	119·5	120·3	123·5	122·6	126·0	124·31	
123·5	124·7	125·0	125·0	126·2	125·5	125·2	126·1	123·0	125·0	125·0	123·0	125·6	125·2	124·41	
123·6	123·9	124·2	125·4	125·0	125·4	126·0	125·9	—	—	—	—	—	—	125·08	125·60
—	—	—	—	—	—	—	—	124·8	124·7	125·5	124·6	120·7	128·2		
121·0	124·0	124·0	126·4	127·6	126·1	126·2	132·0	125·4	124·8	124·8	126 1	126·0	122·2	124·77	
124·2	124·5	124·8	126·9	138·2	128·0	129·8	130·9	127·1	128·0	127·0	125·2	127·0	128·0	126·78	
122·54	**123·80**	**124·65**	**125·44**	**126·35**	**127·18**	**126·38**	**126·15**	**125·23**	**125·97**	**125·98**	**126·08**	**126·47**	**126·18**	**125·09**	

e.

[e] Nine minutes late. [f] Two minutes late. [g] Four minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	12h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
NOVEMBER.	1	129·0	128·6	127 5	129·8	131·0	128·3	124·8	122 3	122·5	123·6	124·8	125·4	125·8
	2	128·0	129·8	129·9	130·0	130·1	124·5	123·0	122·1	122·1	123·1	123·9	121·1	130·0
	3	122·2	128·1	127·8	128·0	128·0	126·4	124·1	122·8	122·8	124 0	125·2	126·0	126·5
	4	124·4	127·0	129·0	127·4	127·2	125·1	124·0	123·5	122·5	122·8	123·4	124·9	125·9
	5	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	130·4	132·2	129·6	127·4	125·8	121·9	121·8	121·0	120·2	123·4	124·8	125·2	125·5
	7	128·0	127·0	130·3	129·0	124·1	117·7	118·6	116·3	119·4	123·1	124·8	126·2	127·3
	8	127·0	127·8	130·4	129·0	126·1	124·3	122·1	121·4	122 5[a]	123·4	122·5	126·0	128·0
	9	131·0	131·5	130·2	129·4	128·0	123·4	124·5	121·4	122·2	124·0	125·4	125·8	126·3
	10	129·0	128·9	130·9	130·0	126·8	123·6	122·2	121·0	122·7	123·2	124·2	125·4	126·1
	11	126·9	129·0	129·9	129·0	126·2	122·2[b]	121·8	120·3	121·9	122·7	124·5	124·8	124·5
	12	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	129·7	130·2	131·4	132·8	119·8	117·0	115·8	117·2	118·2[c]	118·7	123·8	124·8	126·8
	14	126·6	128·5	129·1	127·5	128·9	124·0	123·5	121·9	121·7	123·3	122·5	119·4	125·5
	15	125·9	128·5	129·8	129·7	127·5	125·0	122·6	121·8	122·4	122·0	126·5	126·1	125·4
	16	126·9	126·5	129·2	129·0	127·8	125·3	122·0	121·1	123·4	121·4	123·0	123·6	128·8
	17	126·7	127·2	128·0	128·6	126·0	123·5	123·4	123 9	125·8[c]	125·5	124·9	125·1	126·4
	18	128·0	129·0	129·1	127·0	124·3	123 5	119·5	118·8	125·0	122·7	124·2	125·0	126·9
	19	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	126·7	127·8	128·5	128·6	126·2	124·0	122·2	122·0	123·2[c]	124·5	125·1	125·8	126·0
	21	129·0	129·0	128·9	128·5	124·2[c]	121·0	119·0	119·0	120·8	123·5	124·0	125·5	126·0
	22	128·2	128,0	125·9	126·3	123·9	120·7	120·7	122·3	124·2	125·4	125·8	126·5	126·8
	23	128·0	129·7	129·0	127·1	124·0	120·0	120·0	120·5	122·5[d]	125·5	125·8	126·1	127·4
	24	129·2	123·5	126·7	126·8	122·9	120·0	118·3	120·2	120·6	123·0	124·6	126·3	126·6
	25	128·0	128·2	128·9	128·2	126·0	123·9	121·4	121·7	123·2	124·9	125·5	126·0	125·8
	26	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	128·0	128·1	130·3	131·6	131·0	128·2	25·8	122 8	122·2	122·8	125·0	126·0	126·8
	28	128·0	128·0	129·1	129·8	129·1	127·6	23·4	119·9	118·8	121·9	123·8	125·2	127·2
	29	128 5	127·8	127·4	128·7	126·0	123·9	125·0	123·8	123·9	124 8	125·4	126·0	126·5
	30	128·0	126·1	128·1	127·6	128·1	127·2	125 0	124·1	122·5	122·8	124·5	126·8	127·5
Hourly Means		127·77	128·31	129·03	128·72	126 50	123·43	122·10	121·27	122·19	123·31	124·53	125·18	126·63
DECEMBER.	1	129·0	129·9	129 1	129·7	126·5	123·9	120·0	119·8	121·7	122 8	123·8	125·0	126·8
	2	136·2	130·3	123·7	115·9	121·5	126·5	125·0	124 4	124·8	125·3	126·8	126·2	127·1
	3	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	128·0	128·0	128·1	127·0	127·0	125·1	121 5	121·5	122·1	123·6	124·0	126·3	127·7
	5	127·8	128·4	129·1	130·0	127·3	125·6	124·5	122·1	121·0	122·1	124·0	125·0	127·9
	6	128·7	127·0	127·3	128·5	126·9	124·6	123·5	121·3	122·0	124·8	126 0	128·8	127·3
	7	127·0	127·3	128·4	129·0	127·6	126·0	124·0	123·9	124·8	125·8	126·1	126·9	126·9
	8	128·0	128·7	128 7	130·4	125·8	121·4	123·3	119·7	117·2	122 2	126·7	127·0	129·0
	9	127·0	127·6	127·7	125·5	127·1	125·9	123·7	119·8	120·2	126·2	122·1	124·5	125·0
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	128·0	126·9	128·7	128·9	129·1	125·8	122·0	121·2	117·6	121·9	121·7	125·0	132·2
	12	128·6	127·0	124·0	124·9	128·9	124·5	123 4	124·8	123·3	127·1	126 9	141·0	135·7
	13	127·0	127·5	128 3	128 5	127·5	125·5	124·5	121·8	119·9	121 2	124·1	131·7	125·1
	14	126·2	126·5	128·0	128·6	129·2	127·5[e]	126·2	124·0	122·9	122·6	124·0	125·2	126·0
	15	127·0	127·4	128·0	128·0	126·9	126·0[e]	125·1	123·8	122·8	123·5	124·6	125·5	127·0
	16	127·1	127·0	127·0	128·9	129·0	127·2	126·0	124 7	123·6	123·9	124·1	125·3	126·6
	17	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	126·0	127·0	127·0	127·5	128·0	125·3	123·0	122·4	122·8	122·5	124·4	126·8	127·0
	19	126·9	126 9	127·8	127·6	126·0	125·1	124·2	124·8	124·1	124·2	124·9	126·2	126·9
	20	128 5	129·2	126·9	127·6	126·3	124·5	124·2	124·0	125·1	125 2	125·5	125·8	127·0
	21	126·8	127·6	127·9	128·1	128·1	125·5	123·9	122·8	123·9	125·2	125·6	126·0	127·1
	22	127·6	128·0	128·6	128·8	127·1	124·8	123·3	121·8	123·1	125·5	126·9	127·3	127·5
	23	127·4	128·6	128·8	129 4	129·0	126·5	122·5	119·8	120·0	122·8	124·9	126 2	127·0
	24	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	127·0	128·1	129·7	131·2	129·5	127·3	124·9	122·4	122·0	123 2	124·7	125·6	126·2
	27	127·0	128·2	130·0	131·8	131·3	126 2	119·0	113·3	117·2	120·6	123·2	124·9	125·7
	28	127·6	125·0	121·1	122·1	128·0	128·3	122·0	121·8	122·1	122·8	123·7	124·0	123·7
	29	126·9	126·1	128·0	120·6	130·0	128·0	125·8	124·1	124·0	122·3	123·0	124·9	127·0
	30	126·2	128·0	128·5	130 8	128·4	126 8	124·9	122 0	122·8	122·2	123·3	125·1	127·1
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		127·74	127·69	127·62	127·93	127·68	125·75	123·62	122·08	122·04	123·58	124·60	126·65	127·30

[a] Four minutes late. [b] Seven minutes late. [c] Ten minutes late. [d] Three minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means.	
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
124·8	125·4	125·8	127·5	126·1	129·1	128·4	128·0	126·4	126 0	126 8	126·1	128·2	128·8	126·87	
123·9	121·1	130·0	131·0	127·6	126·8	129·9	136·9	128·4	128·2	133·8	124·3	127·8	124·7	127·37	
125·2	126·0	126·5	127·0	126·4	126·1	127·5	127·3	126·1	126·2	126·2	127·0	127·4	127·7	126·12	
123·4	124·9	125·9	126·1	126·1	126·0	126·6	125 8	—	—	—	—	—	—		125·81
—	—	—	—	—	—	—	—	125·0	125·6	125·6	126·8	128·1	130·6		
124·8	125·2	125·5	126·3	126·0	125·8	125·8	126·4	127·0	124·5	125·0	125·8	126·5	127·0	125·64	
124·8	126·2	127·3	127·1	128·0	126·2	125·8	126·0	125·5	125·6	125·7	125·7	126·2	127·3	125·04	
122·5	126·0	128·0	131·0	127·6	149·5	129·3	128·1	121·8	121·9	124·8	128·2	128·4	126·2	126·86	
125·4	125·8	126·3	126·7	126·8	127·0	130·8	126·9	125·8	125·7	124·8	125·0	124·5	127·0	126·45	
124·2	125·4	126·1	126·0	125·9	126·7	125·4	126·0	126·0	126·2	125·3	123·3	127·0	129·0	125·84	
124·5	124·8	124·5	126·2	127·2	127·0	127·0	126·6	—	—	—	—	—	—		125·38 } 125·96
—	—	—	—	—	—	—	—	123·8	124·0	125·8	126·2	124·0	127·6		
123·8	124·8	126·8	127·3	127·6	134·2	128·8	126·7	125·6	125·6	124·4	125·9	128·0	126·0	125·68	
122·5	119·4	125·5	127·0	128·2	127·9	127·4	127·8	127·0	125·3	123·0	129·9	127·0	125·0	125·75	
126·5	126·1	125·4	127·8	133·1	128·1	125·8	126·2	127·4	126·8	125·2	126·0	126·5	125·1	126·30	
123·0	123·6	128·8	127·1	126·0	125·8	126·2	132·4	130·2	130·8	126·0	127·5	127·1	127 0	126·42	
124·9	125·(	126·4	127·8	127·2	134·7	124·1	123·9	124·7	125·9	126·0	126·0	128·0	128·0	126·30	
124·2	125·0	126·9	126·7	126·6	126·1	127·0	126·0	—	—	—	—	—	—		125·40
—	—	—	—	—	—	—	—	126·0	125·5	125·6	125·0	126·2	126·0		
125·1	125·8	126·0	126·6	126·5	126·9	126·2	126·8	129·0	128·5	123·4	120·7	127·2	128·5	125·87	
124·0	125·5	126·0	126·1	126·0	126·2	126·2	126·1	124·2	125·6	125·4	124·8	126·5	128·2	125 15	
125·8	126·5	126·8	127·0	127·0	127·8	127 5	127·2	126·5	123·4	125·7	125·8	127·9	127·0	125·73	
125·8	126·1	127·4	127·6	127·4	127·5	127·2	127·0	126·2	125·9	126·1	126·2	126·9	128·0	125·90	
124·6	126·3	126·6	128·7	127·7	130·0	127·3	126·0	123·7	125·2	125·0	126·4	126·2	127·8	125·11	
125·5	126·0	125·8	127·5	127·3	127·2	127·0	129·2	—	—	—	—	—	—		126·21
—	—	—	—	—	—	—	—	126·8	126·9	126·1	125·6	126·4	127·4		
125·0	126·0	126·8	127·0	127·1	127·0	126·7	127·4	127·0	125·2	126·0	125·7	126·8	127·5	126·75	
123 8	125·2	127·2	128	127·8	128·0	127·0	125·8	126·4	126·6	126·0	127·9	128·2	128 2	126·33	126·04
125·4	126·0	126·5	129·2	128·8	126·8	127·5	133·0	126·1	124·4	126·4	125·8	125·8	127·4	126·62	
124·5	126·8	127·5	127·7	127·4	127·0	128·6	130·1	124·9	125·2	127·4	127·5	126·8	124·9	126·49	
124·53	125·18	126·63	127·47	127·67	128·52	127·19	127·68	126·06	125·80	125·83	125·97	126·91	127·23	126·05	
123·8	125·0	126·8	127·2	127·5	127·7	127·2	126·8	128·8	128·4	130·1	129·8	131·4	131·1	126·88	
126·8	126·2	127·1	126·0	127·1	126·9	127·7	127·6	—	—	—	—	—	—		126·29
—	—	—	—	—	—	—	—	125·9	126·3	125·3	128·6	128·8	127·0		
124·0	126·3	127·7	127·3	127·8	128·2	127·5	127·2	125·8	125·7	125·9	125·0	127·0	126·0	125·97	
124·0	125·0	127·9	127·4	128·0	128·0	127·1	127·0	126·4	126·2	126·8	127·2	125·0	126·2	126·25	
126 0	128·8	127·3	127·7	128·1	128·8	128·2	128·1	130·2	126·0	126·4	127·0	127·5	127·0	126·74	
126·1	126·9	126·9	127·5	127·9	135·9	126·0	126·2	126·8	125·4	127·1	126·9	127·5	128·0	127 04	
126·7	127·0	129·0	130·5	128·8	129·1	128·9	128·2	130·1	129·2	131·3	127·2	126·9	127·8	126·92	126·40
122·1	124·5	125·0	126·1	126·7	129·0	129·3	123·7	—	—	—	—	—	—		125 60
—	—	—	—	—	—	—	—	132·5	126·9	124·2	126·9	120·6	126·3		
121·7	125·0	132·2	128·0	135·0	130·5	129·0	128·8	120 1	125·0	125·0	125·6	125·9	127·3	126·22	
126 9	141·0	135·7	127·5	127·0	126·9	127·2	127·0	126·1	127·0	126·2	126·0	126·8	127·0	127·28	
124·1	131·7	125·1	125 9	127·5	128·4	127·0	126·8	127·0	127·1	121·1	124·2	127·4	128·0	125·96	
124·0	125·2	126·0	127·0	127·2	127·5	128·0	128·8	126·3	126·0	125·4	126·0	126 6	126 0	126·32	
124·6	125·5	127·0	126·3	129·9	126·2	126·9	126·5	126·7	126 0	125·8	125·5	126·0	126·2	126·15	
124·1	125·3	126·6	126·9	127·2	128·0	127·5	127·0	—	—	—	—	—	—		126·36
—	—	—	—	—	—	—	—	126·3	126 0	125·4	125·9	125·9	126·2		
124·4	126·8	127·0	127·1	127·8	127 0	125·8	130·1	126·2	125·0	127·3	127·0	126·8	127·0	126·12	
124·9	126·2	126·9	127·0′	127·0	127·0	127·4	126·2	126 4	126·5	121·3	124·7	129·0	129·0	126·13	
125·5	125·8	127·0	127·0	128·0	127·7	127·7	128·2	126·0	125·5	125·2	125·9	126·0	126·4	126·39	
125·6	126·0	127·1	127·1	127·2	127·2	126·9	126·2	126·2	126·0	125·5	125·0	126·0	126·9	126·20	
126·9	127·3	127·5	127 9	127·9′	127·6	127·2	126·2	125·5	125·5	125·4	125·9	127·0	126·5	126·37	
124·9	126 2	127·0	127·2	127 8	127·8	127·0	126·2	—	—	—	—	—	—		126·01 } 126·04
—	—	—	—	—	—	—	—	127·3	125·1	124·5	125·4	126·1	127·0		
124·7	125·6	126·2	126·8	127·4	126·9	129·2	126·1	126·8	125·2	122·2	123·7	122·5	122·0	125·86	
123·2	124·9	125·7	127·0	127·6	129·0	129·3	127·1	125·8	124·0	124·4	125·2	123·0	133·0	125·58	
123·7	124·0	123·7	125·0	125·8	127·6	127·5	125·4	126·0	125·6	124·2	123·3	126·1	125·4	124·75	
123·0	124·9	127·0	127 2	128 0	127·7	128·0	127·3	126·0	125·5[b]	124·0	124·2	126·0	124·0	126·15	
123·3	125·1	127·1	127·2	127·7	128·0	128·2	129·0	—	—	—	—	—	—		126·62
—	—	—	—	—	—	—	—	126·9	127·6	127·1	127·8	128·3	125·0		
124·60	126·65	127·30	127·11	127·92	128·18	127·67	127·11	126·72	126·11	125·48	126·00	126·40	126·89	126·24	

[a] Two minutes late. [c] Three minutes late. [g] Christmas-day. [b] Five minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000074 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.	12^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
JANUARY.	2	497·6	517·3	502·5	472·6	472·3	478·5	474·2	487·0	474·7	492·2	501·0	489·7	456·3
	3	489·1	505·7	506·5	503·1	492·5	484·5	483·7	482·2	502·1	501·8	504·5	500·2	498·0
	4	506·6	506·7	504·6	496·8	491·1	485·2	482·2	490·7	498·2	501·2	505·3	506·5	506·2
	5	496·7	494·9	492·8	489·1	476·7	469·1	467·1	477·8	483·1	493·5	494·5	493·6	490·4
	6	488·7	489·7	488·6	483·0	473·2	457·0	458·6	457·1	470·0	476·4	482·9	482·5	480·8
	7	479·7	480·0	479·5	476·8	462·8	452·2	448·2	450·2	458·1	467·4	476·0	474·0	472·8
	8	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	492·2	492·0	490·8	483·9	478·1	475·1	470·7	470·9	474·9	481·1	485·7	484·0	484·9
	10	484·1	483·4	485·0	484·7	478·3	464·4	473·9	471·0	476·7	475·9	485·0	483·5	469·0
	11	483·9	484·1	483·7	478·2	473 6	465·5	462·6	461·5	459·7	463·6	472·2	476·3	472·9
	12	475·9*	473·7	474·9	474·9	471·2	462·7	457·7	459·7	462·5	467·2	475·3	476·3	478·4
	13	475·6	477·8	476·0	469·2	465·9	462·0	460·7	463·9	466·0	467·0	472·9	477·0	477·6
	14	481·1	481·9	480·8	480·5	477·8	475·8	476·1	475·0	475·0	477·4	480·3	487·2	487·0
	15	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	489·4	487·3	496·0	502·1	494·1	489·1	488·4	486·4	493·7	490·6	497·4	493·0	492·2
	17	493·9	493·4	494·6	491·9	480·5	467·6	467·6	475·9	482·6	486·5	483·4	483·1	482·2
	18	484·4	483·1	486·0	480·6	478·0	472·7	469·5	469·7	469·6	474·6	472·4	468·0	463·0
	19	465·5	464·1	458·4	457·1	450·7	439·5	436·7	436·6	446·2	454·9	457·1	460·6	462·0
	20	462·7	458·1	462·4	460·8	451·3	444·4	443·1	445·6	449·2	460·0	466·0	467·0	465·9
	21	467·2	470·4	468·2	462·1	456·3	449·4	445·2	450·5	449·6	453·7	456·9	460·0	457·9
	22	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	475·8	475·9	480·1	477·2	477·5	476·2	457·5	457·3	457·5	469·9	477·7	481·5	463·7
	24	472·5	473·0	472·6	468·0	468·5	456·7	454·7	461·6	468·4	474·2	479·9	464·0	470·8
	25	472·9	471·1	471·4	467·6	463·3	458·6	461·2	465·4	474·0	478·4	481·4	482·6	485·2
	26	499·4	499·4	500·0	499·1	496·0	488·3	486·7	491·9	487·6	486·6	491·0	494·0	492·1
	27	491·2	490·5	491·0	489·2	482·0	476·4	476·0	477·9	477·2	477·0	483·5	487·1	490·6
	28	486·7	487·2	486·5	479·9	475·2	462·5	432·0	453·1	464·0	459·8	468·5	458·3	447·7
	29	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	490·1	490·7	481·4	484·5	476·5	466·6	465·7	465·9	469·5	473·6	480·4	476·5	475·0
	31	471·5	475·6	472·0	468·0	468·5	469·7	463·4	472·8	474·7	475·8	478·7	478·8	476·2
Hourly Means		483·63	484·88	484·09	480·03	474·30	467·29	463·98	467·72	471·72	476·17	481·15	480·18	476·88

TEMPERATURE OF THE BIFILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°	°
JANUARY.	2	31·2	33·4	33·6	34·0	35·4	36·6	37·8	38·5	38·6	38·7	38·8	39·0	
	3	34·6	34·0	33·8	33·6	34·7	35·5	35·5	36·6	37·3	37·6	37·7	36·7	39·2
	4	33·0	33·0	33·4	32·6	33·1	34·0	32·5	33·6	34·5	35·3	36·4	36·0	36·6
	5	39·8	39·8	40·4	40·5	40·7	41·5	42·3	42·4	42·5	42·2	43·0	43·2	37·0
	6	42·6	42·6	42·6	42·5	43·0	44·0	44·6	45·2	45·6	46·0	46·0	46·1	43·8
	7	48·5	48·0	48·0	48·0	48·0	48·4	49·2	49·9	50·0	50·0	50·0	50·2	46·0
	8	—	—	—	—	—	—	—	—	—	—	—	—	50·0
	9	40·2	40·0	39·9	39·2	39·8	41·0	41·8	42·6	43·5	44·4	44·9	44·5	—
	10	44·6	45·0	45·3	44·9	44·9	45·0	45·5	45·6	45·6	46·0	46·4	46·5	44·6
	11	46·3	45·7	45·7	45·0	45·4	45·7	45·9	46·1	46·5	46·6	47·5	48·0	47·2
	12	46·4	46·2	46·5	46·1	45·6	45·6	45·5	46·0	46·4	46·2	46·0	45·5	48·4
	13	47·5	47·9	48·0	47·2	47·0	47·2	47·7	48·2	48·4	48·5	47·6	47·0	46·0
	14	44·2	44·0	43·9	43·0	42·8	43·0	42·6	42·6	43·0	43·5	43·4	43 0	47·5
	15	—	—	—	—	—	—	—	—	—	—	—	—	43·0
	16	42·0	41·5	41·0	41·0	40·5	40·7	41·1	41·5	41·7	42·5	42·8	42·0	—
	17	41·7	41·7	41·3	41·0	40·8	41·2	42·5	43·5	44·0	44·7	45·1	45·4	42·0
	18	45·8	45·5	45·2	45·0	45·5	46·5	47·8	48·9	50·0	51·1	52·0	52·5	45·5
	19	53·6	54·4	55·5	56·0	54·7	54·2	53·9	54·0	54·0	54·3	54·5	54·4	52·5
	20	53·3	53·5	53·4	52·5	52·8	53·0	53·1	53·0	53·4	53·6	53·8	53·5	53·8
	21	52·2	52·5	52·3	52·4	53·0	53·4	54·2	54·8	55·5	56·3	57·3	57·6	53·4
	22	—	—	—	—	—	—	—	—	—	—	—	—	57·3
	23	46·2	46·0	45·5	45·2	44·8	44·8	45·5	46·0	46·5	46·8	47·2	47·0	—
	24	49·0	48·5	47·5	46·5	46·4	47·0	47·5	47·4	47·2	47·4	47·4	48·2	46·4
	25	47·4	47·4	47·2	46·8	46·6	45·8	45·0	44·0	43·5	43·2	42·4	42·2	47·5
	26	36·0	36·2	35·8	36·1	36·3	36·9	38·0	39·2	40·8	41·4	40·9	40·5	42·0
	27	44·2	44·8	44·9	45·0	45·0	44·8	46·2	47·0	48·0	47·0	46·4	46·6	41·5
	28	46·8	46·6	46·0	45·6	45·5	45·8	46·5	46·0	46·0	46·4	46·8	46·7	47·4
	29	—	—	—	—	—	—	—	—	—	—	—	—	46·4
	30	41·5	41·4	41·2	40·8	41·6	43·0	44·0	44·6	45·6	46·6	46·8	46·5	—
	31	47·0	46·6	46·4	45·8	45·6	46·0	46·2	46·4	47·0	48·3	48·5	48·4	46·3
Hourly Means		44·06	44·08	44·01	43·70	43·83	44·25	44·71	45·13	45·58	45·95	46·14	46·05	48·7
														46·15

* Five minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000074 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00027.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
456·3	480·9	493·2	490·5	489·5	492·8	490·9	491·4	490·5	493·7	501·0	496·3	488·61
498·0	498·2	498·4	499·0	499·4	496·0	500·0	494·0	499·2	500·2	505·1	505·3	497·80
506·2	500·5	499·5	498·7	496·1	495·3	497·0	498·2	496·0	496·4	500·0	499·8	498·28
490·4	489·7	485·9	483·0	483 0	483·4	483·5	482·3	483·4	487·3	486·6	488·0	485·64
480·8	483·9	484·0	477·0	479·8	469·3	478·3	477·5	481·0	479·2	481·7	482·5	477·61
472·8	473·7	471·2	471·7	471·9	472·1	—	—	—	—	—	—	474·49
—	—	—	—	—	—	487·9	494·0	492·7	492·5	490·0	492·4	
484·9	484·2	483·9	485·0	483·0	483·0	481·5	479·8	480·2	480·3	480·8	484·0	482·08
469·0	469·2	475·0	472·8	476·3	478·2	477·6	480·0	480·0	480·5	479·8	484·0	477·85
472·9	465·0	467·8	468·6	469·9	468·6	468·8	471·0	471·6	473·7	472·4	472·0	471·26
478·4	476·3	474·1	474·2	471·5	473·2	472·5	473·0	473·0	474·0	475·0	476·0	471·80
477·6	476·6	474·7	470·5	471·0	476·0	478·0	474·3	479·5	481·2	482·4	483·0	473·28
487·0	485·0	482·0	481·0	479·0	480·0	—	—	—	—	—	—	482·08
—	—	—	—	—	—	488·1	493·4	480·9	485·7	487·9	490·9	
492·2	494 0	495·0	494·6	491·3	493·9	487·9	491·2	492·4	492·0	489·1	487·6	492·03
482·2	473·3	476·1	480·3	480·0	479·6	479·8	477·7	484·9	483·6	484·4	482·5	481·89
463·0	463·0	462·0	459·0	460·1	460·2	462·5	462·6	463·0	461·2	463·5	467·3	469·00
462·0	461·4	461·2	459·0	460·0	460·0	461·5	460·0	459·9	461·0	462·9	463·0	456·61
465·9	464·0	464·0	462·4	461·4	463·1	463·9	464·0	464·5	465.0	465·2	466·2	460·01
457·9	457·9	458·1	457·1	457·2	457·5	—	—	—	—	—	—	460·72
—	—	—	—	—	—	464·2	470·9	468·6	471·1	473·3	474·0	
463·7	471·0	470·0	463·7	471·4	454·2	466·9	465·1	469·9	467·0	468·7	473·7	469·56
470·8	467·3	465·1	455·5	460·3	464·7	465·6	462·4	467·1	466·5	468·7	473·1	466·72
485·2	485·7	487·3	481·0	484·0	487·0	491·5	490·4	491·0	494·1	497·2	498·8	480·05
492·1	493·0	492·0	492·8	491·1	492·7	489·9	489·3	490·0	490·0	490·7	490·8	492·27
490·6	485·6	481·1	476·0	468·5	463·9	473·8	477·5	478·0	477·8	477·7	481·7	480·59
447·7	462·0	465·0	468·9	467·1	468·1	—	—	—	—	—	—	471·04
—	—	—	—	—	—	480·9	489·0	482·9	484·1	489·7	485·8	
475·0	473·5	575·0	475·1	480·4	478·4	471·0	472·0	471·0	475·0	475·0	476·0	475·78
476·2	474·5	474·5	470·0	469·0	471·5	473·5	476·2	479·4	484·8	487·4	489·7	474·84
476·88	477·28	477·54	475·67	475·85	475·49	478·49	479·12	479·25	480·69	482·16	483·25	477·38

TEMPERATURE OF THE BIFILAR MAGNET.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
°	°	°	°	°	°	°	°	°	°	°	°	°
39·2	39·2	39·0	38·8	38·6	38·2	37·6	37·8	37·0	37·0	36·6	36·5	37·13
36·6	36·0	35·2	34·4	34·2	34·4	34·5	34·8	34·4	33·6	33·4	33·0	35·09
37·0	37·4	38·0	38·6	39·0	39·2	39·6	39·1	39·0	39·0	39·1	39·9	36·05
43·8	45·0	45·5	45·5	45·4	45·1	44·5	43·6	43·0	42·8	42·9	42·6	42·83
46·0	46·1	46·0	46·0	46·1	46·2	46·5	46·5	47·0	47·5	47·8	48·1	45·44
50·0	49·5	49·5	49·4	49·3	49·2	—	—	—	—	—	—	46·70
—	—	—	—	—	—	38·4	38·5	39·2	39·5	40·0	40·0	
44·6	44·4	44·0	44·0	44·0	44·2	44·5	44·5	44·4	44·6	44·6	44·5	43·09
47·2	47·5	47·4	47·2	47·0	46·8	46·8	46·5	46·4	46·3	46·5	46·4	46·14
48·4	48·2	48·0	47·4	47·3	47·1	47·0	47·5	47·5	47·0	47·5	46·6	46·83
46·0	46·3	46·5	46·4	45·0	44·5	43·5	46·5	46·5	46·5	47·0	47·1	45·99
47·5	47·0	46·5	44·8	44·5	44·5	44·8	44 6	44·5	44·6	44 4	44·5	46·43
43·0	43·0	43·2	43·4	43·2	43·5	—	—	—	—	—	—	42·55
—	—	—	—	—	—	39·8	40·0	40·2	40·6	41·0	41·2	
42·0	41·6	41·6	42·0	42·0	42·0	41·8	42·1	42·5	42·0	41·5	41·5	41·70
45·5	46·0	45·8	45·5	45·0	44·7	44·7	44·7	45·0	45·5	45·4	45·6	44·43
52·5	52·8	53·1	53·3	53·2	52·6	52·1	52·0	51·6	51·6	52·0	53·2	50·24
53·8	53·6	53·5	53·5	53·5	53·5	53·4	53·2	53·3	53·4	53·4	53·0	53·94
53·4	53·2	52·8	52·6	52·6	52·6	52·8	52·9	53·4	53·0	52·8	53·0	53·08
57·3	56·8	56·6	56·9	55·2	54·4	—	—	—	—	—	—	52·60
—	—	—	—	—	—	45·6	45·5	45·5	45·6	46·0	46·5	
46·4	46·3	46·4	47·4	48·5	48·4	48·5	48·5	49·2	49·5	49·5	49·0	47·05
47·5	46·9	46·5	46·5	47·0	47·2	47·0	46·2	46·4	46·5	46 8	47·0	47·15
42·0	41·5	40·8	39·6	38·8	38·4	38·5	38·4	37·2	36·6	36·4	36·1	41·91
41·5	41·8	41·6	41·6	41·6	41·6	42·0	42·1	43·0	43·4	43·6	44·0	40·25
47·4	47·4	47·6	46·9	47·1	47·2	47·1	46·6	47·2	48·2	47·8	47·0	46·56
46·4	46·5	46·3	46·0	45·8	45·5	—	—	—	—	—	—	44·74
—	—	—	—	—	—	40·2	39·9	40·1	40·3	40·7	41·4	
46·3	46·3	46·0	45·9	46·0	46·0	46·2	46·6	47·0	47·2	47·2	47·0	45·05
48·7	48·5	48·8	48·6	47·4	45·6	44·8	43·8	42·6	41·4	40·0	38·7	45·88
46·15	46·11	46·01	45·82	45·67	45·48	43·81	43·81	43·84	43·85	43·89	44·26	44·84

HORIZONTAL FORCE.

From 1st to 9th, One Scale Division = ·000071 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00027.
From 10th to 24th, One Scale Division = ·000152 parts of the H. F. Change in the magnetic moment of the Bar not ascertained.
From 24th to 28th, One Scale Division = ·000099 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00027.

Mean Göttingen Time.		0^h.	1^h.	2^h.	3^h.	4^h.	5^h.	6^h.	7^h.	8^h.	9^h.	10^h.	11^h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
FEBRUARY.	1	490·4	495·5	496·5	494·4	492·4	483·8	482·3	486·3	489·8	494·6	495·0	498·2
	2	503·1	505·9	503·8	499·2	488·7	488·6	485·6	493·0	496·5	498·6	499·7	497·1
	3	502·0	500·6	499·9	498·1	493·5	488·5	484·1	485·9	487·9	494·9	498·8	493·6
	4	491·5	491·1	489·7	485·2	479·4	474·3	479·7	487·7	495·9	497·0	495·7	490·0
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	494·6	493·9	486·5	497·1	495·5	492·8	486·1	483·5	487·9	494·2	450·3	502·6
	7	504·6	511·4	507·9	502·0	495·8	481·2	493·3	479·3	498·9	503·6	502·5	504·0
	8	497·7	494·9	494·4	492·2	489·5	485·3	484·1	486·5	488·4	492·6	496·4	493·6
	9	500·0	500·8	497·6	491·0	487 0	484·5	486·2	484·5	485·8	488·8	491·9	492·9
	10	502·0^b	501·8	496·4	—	—	—	—	—	—	—	—	—
	11	512·6	511·1	512·7	512·3	513·9	511·5	509·9	512·8	514·3	512·9	514·9	518·3
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	528·0	530·2	529·0	524·1	523·1	522·3	525·4	522·6	524·9	526·6	512·1	522·5
	14	527·5	520·6	525·8	519·2	517·9	517·1	517·2	519·3	518·1	513·9	525·1	528·2
	15	527·5	526·7	524·8	522·3	517·0	517·0	516·5	514·9	522·1	521·9	524·6	523·6
	16	526·4	528·0	526·9	526·9	519·6	520·7	520·5	524·0	518·1	520·8	525·4	526·5
	17	535·5	530·8	528·6	525·1	519·1	520·1	517·4	525·4	530·0	532·3	532·5	529·0
	18	532·8	531·3	551·4	530·8	528·2	525·2	524·4	526·1	525·9	530·5	533·8	533·2
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	533·7	533·2	531·5	530·7	528·2	523·2	522·4	526·3	529·2	533·6	533·0	525·8
	21	520·0	528·4	526·1	523·4	519·8	519·5	521·5	522·6	524·4	524·4	524·7	525·9
	22	525·7	525·2	522·3	521·1	520·0	519·8	520·5	524·0	526·2	526·9	527·5	528·1
	23	532·4	531·9	530·5	528·6	526·0	525·8	525·8	529·1	530·2	531·1	530·5	534·0
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	517·7	521·8	525·0	525·9	524·5	529·5	530·0	539·3	539·0	548·7	544·5	540·5
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	578·1	578·1	581·0	567·4	566·5	566·9	570·3	—	572·6	586·8	586·8	587·9
	28	597·4	596·9	594·6	590·0	587·2	586·9	587·0	590·2	592·9	597·9	600·4	601·4
Hourly Means		522·19	522·20	521·21	518·50	515·13	512·94	513 24	512·54	518·14	521·48	520·69	522·59

TEMPERATURE OF THE BIFILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
FEBRUARY.	1	37·6	37·1	36·4	36·0	35·8	36·8	38·0	38·4	39·3	40·5	39·8	39·2
	2	36·2	36·0	34·6	35·0	35·8	37·0	37·5	37·8	38·0	39·5	40·5	41·4
	3	37·9	38·8	37·9	38·5	39·8	40·5	41·0	41·8	41·8	42·4	43·6	43·8
	4	43·5	42·8	42·4	42·2	42·6	43·4	44·6	45·7	46·4	47·5	48·3	48·6
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	37·5	36·8	35·9	34·6	34·6	35·2	36·2	36·9	36·8	36·9	36·6	36·4
	7	32·0	31·0	30·2	30·3	31·0	32·1	32·5	34·5	35·4	36·8	37·8	37·0
	8	38·0	37·7	37·6	37·5	37·4	38·0	38·5	39·4	40·0	40·6	40·9	40·6
	9	36 3	35·8	35·6	35·0	35·4	36·3	37·7	39·2	39·6	40·2	41·0	40·0
	10^b	36·2	35·8	35·9	—	—	—	—	—	—	—	—	—
	11	44·4	43·8	43·3	41·6	41·1	40·6	40·9	41·2	40·8	41·0	41·2	41·0
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	34·6	34·1	33·1	34·0	34·8	35·9	36·9	38·4	38·7	39·4	39·5	39·5
	14	34·4	33·8	33·5	32·5	32·0	32·8	33·0	33·0	34·2	34·8	35·3	36·2
	15	35·3	35·2	34·7	34·8	36·0	36·6	37·5	38·2	38·4	38·2	38·7	40·2
	16	36·5	36·0	36·2	36·6	37·2	37·2	38·0	38·5	39·0	39·8	40·4	40·4
	17	31·0	30·0	30·5	30·7	31·7	33·7	35·0	36·5	37·4	38·0	38·3	38·9
	18	31·6	31·0	30·6	30·2	31·4	33·4	34·8	36·4	37·4	39·4	40·2	40·4
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	33·8	33·4	34·0	34·8	35·9	37·2	38·0	39·2	39·9	40·8	41·2	40·8
	21	38·5	39·0	39·0	38·5	39·0	40·2	41·6	42·5	42·8	42·8	43·2	43·9
	22	42·9	42·5	41·8	41·4	41·5	42·1	42·4	42·0	41·9	42·5	42·5	42·4
	23	36·2	35·7	36·4	36·5	37·1	37·4	38·0	37·8	38·5	39·2	40·5	40·7
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	45·2	45·0	44·5	43·9	43·8	44·0	45·2	45·6	46·0	46·2	46·8	46·0
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	41·5	41·0	40·5	40·0	40·5	41·5	42·5	—	43·2	43·8	44·4	43·9
	28	43·1	43·0	43·2	43·4	44·2	44·8	45·4	45·6	45·6	45·5	45·0	44·8
Hourly Means		37·62	37·25	36·90	36·73	37·21	38·03	38·87	39·46	40·05	40·72	41·17	41·19

The connexion of the series was broken between the 9th and 11th, and again between the 23rd and 25th.

HORIZONTAL FORCE.

From 1st to 9th. One Scale Division = ·000074 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00027.
From 10th to 23rd. One Scale Division = ·000152 parts of the H. F. Change in the magnetic moment of the Bar not ascertained.
From 24th to 28th. One Scale Division = ·000099 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00027.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
495·0	495·0	495·7	496·0	497·9	497·5	498·1	499·3	500·2	501·2	504·9	502·8	495·12
494·4	495·3	495·2	494·1	495·0	494·0	495·2	497·5	495·5	496·5	497·4	500·0	496·25
492·0	490·1	488·9	488·5	487·4	486·2	486·7	488·0	489·0	491·0	491·0	491·8	491·60
484·6	471·7	466·5	461·8	456·2	452·4	—	—	—	—	—	—	483·18
—	—	—	—	—	—	489·7	490·0	492·0	488·0	494·0	491·9	
508·7	497·8	497·6	499·0	501·0	494·0	500·5	502·2	503·9	501·3	501·9	499·0	495·04
504·2	493·5	495·0	495·0	492·0	495·9	499·9	494·7	496·1	493·4	495·2	498·0	497·39
489·5[a]	485·2	485·9	486·9	491·4	488·8	489·1	492·4	492·4	493·4	497·0	497·9	491·06
489·0	487·0	494·8	494·5	494·0	493·4	500·2	495·5	485·5	493·5	494·6	490·0	491·79
—	—	—	—	—	508·0[b]	508·0	513·2	510·7	507·8	511·2	511·8	—
514·0	515·1	516·3	516·5	518·3	519·5	—	—	—	—	—	—	517·01
—	—	—	—	—	—	521·8	525·2	523·7	525·9	525·1	529·3	
522·8	509·0	522·5	519·8	519·4	520·6	527·2	509·8	519·7	522·3	525·8	525·3	522·29
526·3	527·2	523·7	519·8	519·9	523·7	523·6	524·0	527·3	528·2	526·2	528·0	522·86
521·2	520·3	520·7	523·4	522·8	524·0	523·0	524·0	524·5	525·0	526·5	524·5	522·37
526·1	526·0	526·1	525·0	526·6	524·4	526·4	527·6	526·5	536·5	524·7	527·8	525·27
526·0	528·5	530·0	524·3	522·9	529·3	528·5	527·3	529·3	530·1	530·3	532·1	527·68
532·2	529·4	523·9	520·6	523·7	527·0	—	—	—	—	—	—	529·55
—	—	—	—	—	—	533·2	532·0	533·1	533·6	533·5	533·4	
527·6	514·5	524·0	527·7	526·5	526·3	526·1	524·8	526·6	527·4	527·4	528·2	527·41
526·6	525·9	524·9	525·4	525·2	525·2	525·1	525·8	525·4	524·8	525·0	524·6	524·73
527·7	527·3	526·4	525·5	527·5	529·0	528·3	528·4	530·1	530·0	531·7	531·3	526·27
532·0	531·5	526·8	—	—	—	—	—	—	—	—	—	524·44
—	—	—	—	—	—	—	498·1[c]	502·5	510·0	512·8	517·9	
537·8	545·8	544·2	—	—	—	—	—	—	—	—	—	545·88
—	—	—	—	—	—	572·7	575·5	574·8	574·4	575·4	576·4	
591·1	592·6	593·3	592·6	593·1	592·6	593·1	593·8	596·0	596·0	595·5	598·5	585·68
601·5	601·9	601·4	602·4	603·5	603·8	603·0	606·9	604·9	603·0	608·8	608·0	598·83
521·38	518·66	519·26	516·94	517·21	517·28	523·40	521·09	522·68	523·89	524·73	525·30	519·77

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
39·6	40·0	39·0	37·5	36·4	36·2	36·4	36·5	35·6	35·4	35·8	36·3	37·48
41·6	40·6	40·2	39·6	39·5	39·3	38·7	37·8	37·4	37·9	38·1	38·1	38·25
43·8	43·6	43·6	43·8	44·0	44·1	44·0	44·0	44·0	44·0	43·8	44·0	42·27
48·2	47·6	47·4	47·0	46·5	46·2	—	—	—	—	—	—	43·81
—	—	—	—	—	—	38·0	38·0	39·0	39·0	38·6	38·0	
35·4	34·2	33·5	33·0	32·5	32·7	33·6	34·4	34·4	34·2	33·8	32·8	34·95
36·5	37·0	37·4	37·2	37·0	37·4	37·6	36·5	37·2	37·6	38·0	38·0	35·33
40·4[a]	40·4	39·9	39·8	39·3	39·1	38·9	38·2	37·5	36·8	36·7	36·6	38·74
40·0	40·4	40·1	39·5	38·8	38·4	38·8	38·8	38·8	37·9	38·0	37·8	38·31
—	—	—	—	—	42·6[b]	42·6	41·5	41·8	42·6	43·5	44·5	—
40·2	39·2	38·5	38·0	37·7	37·4	—	—	—	—	—	—	38·74
—	—	—	—	—	—	31·4	31·5	32·2	33·4	34·6	34·8	
39·5	39·2	38·3	37·5	36·8	36·8	36·6	36·4	37·0	36·7	36·0	35·3	36·88
37·0	36·6	36·2	35·8	35·1	34·6	34·6	34·2	34·0	34·4	34·2	35·0	34·47
40·8	40·5	39·5	38·8	38·7	38·5	37·8	38·0	38·4	38·0	37·5	36·5	37·78
40·5	39·8	39·6	38·5	37·6	36·8	35·8	35·0	34·5	33·0	32·2	31·5	37·11
38·2	37·5	37·2	36·5	35·6	35·2	34·4	33·6	33·0	32·5	32·2	32·3	34·58
40·4	39·8	38·6	37·4	37·2	36·6	—	—	—	—	—	—	35·27
—	—	—	—	—	—	32·6	33·0	33·1	33·4	33·6	34·0	
40·4	40·6	40·6	40·8	40·9	40·1	39·4	38·2	38·5	38·4	38·8	38·4	38·50
43·7	44·0	44·0	43·5	43·3	43·0	43·0	43·0	42·6	42·6	43·4	43·1	42·09
41·8	41·0	40·2	39·2	38·6	37·6	38·0	37·4	37·2	37·2	37·2	36·7	40·33
40·5	39·5	38·5	—	—	—	—	—	—	—	—	—	39·96
—	—	—	—	—	—	—	45·6[c]	45·5	45·5	45·2	44·9	
46·0	45·7	45·3	—	—	—	—	—	—	—	—	—	44·07
—	—	—	—	—	—	40·6	40·9	41·2	41·3	41·0	41·2	
43·5	44·0	44·1	44·2	44·0	44·0	43·8	43·6	43·5	43·8	43·8	43·3	42·97
44·6	44·3	44·0	43·6	43·3	42·8	42·5	42·4	42·4	42·2	41·8	41·1	43·69
41·02	40·70	40·26	39·56	39·14	38·84	37·93	38·04	38·04	37·97	37·92	37·72	38·85

[a] Seven minutes late. [b] Not included in the means; new adjustment on the 10th. [c] New adjustment on the 24th.

HORIZONTAL FORCE.

One Scale Division = ·000099 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00027.

	Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
MARCH.	1	608·1	608·3	605·7	601·8	599·9	597·8	597·7	603·3	607·4	611·4	615·0	614·6
	2	619·3	620·3	618·9	616·4	615·0	614·1	616·0	618·8	622·5	625·0	624·8	623·5
	3	627·8	626·7	623·8	619·0	618·0	618·5	621·7[a]	622·3	626·8[b]	629·6	628·4	627·1
	4	631·9	631·8	631·3	627·3	624·5	620·6	619·8	618·4	624·1	622·3	625·4	621·2
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	638·3	636·0	638·9	640·2	640·4	636·9	632·7	636·1	633·9	645·4	634·0	629·4
	7	632·7	625·0	619·5	623·2	613·4	609·0	621·0	619·4	620·0	638·8	634·5	628·4
	8	637·2	637·7	638·8	637·3	636·7	635·9	634·1	634·6	636·1	637·6	635·2	635·3
	9	639·7	640·2	640·6	640·9	638·3	635·1	625·9	626·1	634·1	638·1	645·4	642·0
	10	642·7	642·4	640·5	641·4	639·7	640·1	639·8	638·0	640·2	643·8	645·5	645·7
	11	646·5	644·3	640·1	634·3	636·9	637·0	641·2	645·2	646·8	638·4	640·0	647·0
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	650·0	642·2	646·4	646·4	637·5	629·3	640·9	642·2	643·8	651·4	653·3	654·3
	14	657·5	655·1	651·9	652·5	645·4	642·9	654·8	657·5[c]	664·3	656·4	658·0	658·8
	15	660·7	661·2	659·8	656·5	651·6	651·3	653·6	654·5	655·6	656·9	661·6	660·8
	16	663·7	660·5	659·9	655·7	653·0	652·6	660·6	666·6	666·4	664·9	670·0	665·2
	17	669·1	663·3	667·0	663·5	656·6	654·0	652·0[d]	653·5	666·9	673·8	674·0	671·4
	18	666·6	669·1	668·9	667·5	663·8	662·8	658·3	658·0	663·1	665·0	663·7	668·4
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	676·6	677·6	679·2	672·6	669·6	670·6	672·1	676·4	679·0	681·1	673·8	674·1
	21	682·8	681·0	676·8	673·5	670·0	666·6	667·0	668·6	677·9	680·1	683·1	680·5
	22	686·7	683·9	677·1	677·7	677·1	675·7	681·2	674·8	677·4	684·7	680·4	684·6
	23	688·1	689·2	684·6	684·3	680·4	673·3	669·8	669·3	684·6	685·7	688·3	705·5
	24	693·1	690·1	690·5	687·2	685·6	683·2	682·5	682 0	684·0	687·3	692·0	691·0
	25	696·5	695·3	692·6	687·8	682·0	678·3	677·5	681·5	682·6	688·5	691·0	691·6
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	700·0	699·0	696·7	691·0	685·5	684·8	686·2	689·2	695·6	698·1	701·6	701·5
	28	701·9	699·7	695·3	692·7	688·2	683·0	681·0	686·0	687·1	644·2	697·9	698·4
	29	705·6	700·8	695·6	682·3	686·1	678·8	679·5	681·4	688·8	686·9	686·3	688·0
	30	694·2	691·8	690·6	690·7	687·6	679·9	679·3	683·2	686·5	696·0	698·3	693·4
	31	698·5	697·0	693·2	687·5	683·2	682·1	683·5	691·3	693·9	700·0	703·8	703·9
Hourly Means		663·55	661·85	660·16	657·45	654·30	651·64	652·95	654·75	658·87	662·24	669·46	663·17

TEMPERATURE OF THE BIFILAR MAGNET.

	Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		°	°	°	°	°	°	°	°	°	°	°	°
MARCH.	1	40·3	39·6	39·4	39·0	39·2	39·0	39·0	39·0	39·0	39·0	38·8	38·5
	2	34·8	34·6	35·4	35·5	36·0	36·5	36·8	37·2	38·2	39·4	39·7	39·6
	3	35·0	35·4	35·6	35·4	36·0	37·0	38·5[a]	39·0	39·5[b]	39·8	39·9	40·3
	4	36·2	35·8	36·5	37·2	38·3	39·5	40·2	41·2	42·3	43·0	43·5	43·2
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	32·0	32·3	32·6	33·2	34·0	34·4	35·5	36·3	36·9	38·0	39·1	40·2
	7	37·0	35·8	35·8	36·9	38·0	38·9	39·4	39·6	40·0	41·0	41·8	42·5
	8	37·6	37·5	37·1	36·8	38·5	40·3	41·4	41·6	42·2	42·8	43·5	43·5
	9	41·7	41·5	42·3	42·5	43·0	43·5	44·3	45·0	45·9	46·5	47·0	47·9
	10	41·7	41·5	41·6	41·4	41·6	42·0	42·8	43·4	43·8	44·3	44·7	44·8
	11	46·0	45·5	45·7	45·3	45·1	45·6	46·0	46·0	46·5	46·8	47·4	48·0
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	41·6	41·6	41·2	41·0	42·3	43·1	44·3	45·0	45·8	46·0	46·5	46·0
	14	40·2	39·6	38·0	38·4	39·2	40·2	40·8	41·4[c]	41·7	42·4	43·5	44·4
	15	43·7	43·2	42·5	42·0	42·5	42·8	43·7	44·2	44·6	45·1	45·1	45·6
	16	40·4	40·0	40·8	39·8	40·0	41·0	42·7	44·0	44·9	44·6	44·6	45·0
	17	38·5	38·2	38·5	38·9	39·8	41·5	42·5[d]	43·3	44·0	44·5	44·9	44·0
	18	38·8	38·5	39·0	39·0	40·0	41·0	41·4	41·7	41·8	41·8	41·8	41·2
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	37·5	36·6	36·0	37·0	37·6	38·7	38·9	40·7	42·0	43·4	44·0	43·6
	21	39·8	39·6	39·5	39·4	40·5	41·2	41·6	42·0	42·4	42·8	43·7	43·2
	22	41·2	40·4	40·3	40·6	41·2	42·4	43·6	44·1	44·3	44·2	44·8	45 4
	23	39·1	38·1	37·8	37·8	38·0	38·0	38·2	38.2	38·5	38·7	38·6	38·0
	24	36·2	36·6	37·0	37·5	38·7	39·5	40·8	41·5	42·8	43·8	44·5	44·2
	25	39·0	38·3	39·0	41·1	41·5	42·0	42·4	42·8	43·8	44·6	44·6	43·8
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	39·0	38·7	38·6	38·6	38·5	39·0	39·5	40·3	40·6	40·6	40·8	40·9
	28	41·5	42·3	42·8	43·0	43·5	44·6	45·8	47·0	48·0	48·1	47·9	47·3
	29	41·3	41·5	43·3	43·4	43·8	44·7	45·8	47·0	47·8	48·4	48·5	48·7
	30	42·8	42·5	43·2	53·6	44·5	45·6	46·6	47·4	47·9	48·8	48·8	48·0
	31	43·6	43·4	43·7	43·5	43·2	42·8	42·8	43·0	42·6	42·5	42·2	42·1
Hourly Means		39·50	39·21	39·38	39·55	40·17	40·92	41·68	46·29	42·88	43·37	43·71	43·70

[a] Two minutes late. [b] Five minutes late. [c] Three minutes late. [d] Four minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000099 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00027.

12^h.	13^h.	14^h.	15^h.	16^h.	17^h.	18^h.	19^h.	20^h.	21^h.	22^h.	23^h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
616·5	616·9	617·0	615·5	615·5	616·3	615·8	617·0	617·6	618·3	618·1	620·5	611·50
623·3	623·6	622·9	622·9	623·0	623·0	624·3	624·4	626·8	627·0	628·2	628·9	622·21
628·1	629·3	629·0	628·1	625·5	627·7	627·8	630·0	630·5	630·8	632·0	632·0	626·69
622·4	620·0	618·0	620·0	619·5	622·3	—	—	—	—	—	—	626·05
—	—	—	—	—	—	641·6	629·8	623·0	635·0	636·8	638·1	
631·1	627·3	606·7	607·0	618·8	632·5	611·1	614·1	618·2	631·0	628·7	621·9	628·78
627·3	629·2	628·0	633·8	631·6	631·6	635·7	635·8	635·1	636·1	636·8	637·1	628·46
636·0	637·8	636·9	636·0	637·6	637·0	636·5	637·2	637·1	637·0	636·4	640·6	636·77
641·5	640·8	639·2	636·2	634·8	637·9	639·8	640·6	639·5	642·4	641·3	641·8	638·40
643·0	635·3	637·7	639·0	641·0	642·5	645·1	645·6	646·5	644·9	646·8	646·3	642·20
649·5	646·5	646·0	647·8	651·8	653·0	—	—	—	—	—	—	644·59
—	—	—	—	—	—	644·5	643·9	633·6	651·1	653·3	650·9	
647·5	650·8	640·4	650·8	640·8	650·1	648·1	649·5	648·8	651·0	654·5	655·5	646·90
656·2	656·9	658·4	656·9	661·8	657·9	660·0	657·5	660·9	659·0	659·2	659·9	656·95
660·6	660·2	660·8	660·0	661·2	660·1	663·0	662·0	663·0	663·0	663·0	663·4	659·35
665·1	664·8	663·0	660·0	667·5	665·3	665·0	665·8	666·6	668·5	666·6	669·7	663·62
667·3	654·8	648·7	658·8	666·6	670·7	669·6	670·1	671·4	670·6	669·7	671·0	664·77
669·1	670·5	654·5	667·4	664·6	666·6	—	—	—	—	—	—	671·55
—	—	—	—	—	—	670·5	680·2	673·3	774·6	675·5	675·3	
676·9	667·5	674·0	673·1	675·0	674·8	676·4	678·7	680·0	678·0	680·0	682·4	675·81
681·9	680·3	682·5	681·2	679·8	681·0	679·4	684·0	686·7	687·0	689·0	690·2	679·62
677·0	674·3	660·0	670·1	673·3	674·8	676·0	683·4	684·6	685·1	685·7	688·4	678·92
688·6	688·0	687·0	689·5	685·3	687·0	690·6	690·4	692·5	693·7	693·5	694·9	686·84
689·1	688·0	688·8	690·0	691·1	693·1	691·	691·0	693·0	694·1	695·9	695·3	689·54
692·0	691·0	691·5	691·9	688·9	692·2	—	—	—	—	—	—	691·11
—	—	—	—	—	—	698·0	700·0	699·2	700·5	700·7	695·5	
701·8	700·8	700·1	698·6	698·8	702·3	699·3	702·0	701·0	701·3	701·6	701·8	697·44
697·3	696·8	696·5	695·0	694·9	696·0	696·1	697·3	702·2	701·3	703·8	704·3	695·29
683·0	681·1	679·0	679·2	680·6	684·8	688·0	688·3	690·5	691·2	691·4	693·3	687·10
692·3	694·5	693·0	692·8	696·1	692·1	693·5	694·3	696·4	697·8	699·0	698·5	692·16
706·2	703·2	705·1	704·9	703·6	703·5	705·3	705·7	704·0	705·3	707·0	706·0	699·07
661·87	660·38	657·95	659·50	660·33	662·08	662·67	663·63	663·78	669·47	666·46	666·80	660·79

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
38·6	38·5	37·8	37·8	37·6	37·8	38·0	37·5	37·2	36·6	36·1	35·4	38·28
39·2	39·2	38·8	38·0	37·2	36·9	36·1	35·5	35·0	34·5	34·8	34·6	36·81
40·6	40·2	40·3	40·2	40·0	38·9	38·5	38·5	38·0	37·8	37·5	36·6	38·27
42·4	41·0	39·8	39·4	38·5	38·0	—	—	—	—	—	—	37·95
—	—	—	—	—	—	32·0	32·5	32·9	32·6	32·6	32·3	
40·0	39·0	37·8	37·0	36·5	36·2	36·0	37·0	37·2	37·1	37·9	37·8	36·42
42·5	42·5	42·0	41·4	40·4	39·8	39·2	38·5	37·8	37·1	37·0	37·2	39·25
43·0	43·4	43·6	43·5	43·9	43·8	43·4	43·0	42·8	42·5	42·4	42·0	41·67
47·8	46·9	46·0	44·8	44·2	43·9	43·5	43·4	43·0	42·8	42·6	42·1	44·25
45·0	45·0	45·2	45·3	45·5	46·0	46·0	46·2	46·2	46·2	46·3	46·2	44·28
47·8	47·8	47·5	47·2	46·5	46·0	—	—	—	—	—	—	44·98
—	—	—	—	—	—	39·0	39·2	40·4	41·0	41·6	41·7	
45·5	45·1	44·6	44·6	43·8	43·2	42·8	42·4	42·2	42·0	41·5	41·0	43·46
44·6	44·5	44·3	44·0	43·6	43·4	43·1	43·0	43·2	43·5	43·5	43·7	42·26
45·5	44·6	44·4	44·2	44·0	43·5	43·3	43·0	42·6	42·2	41·6	40·8	43·53
45·5	45·6	46·4	45·2	44·0	43·5	42·5	41·4	40·4	39·5	39·5	39·0	42·51
43·2	43·0	43·0	42·6	41·6	41·5	41·4	41·0	40·7	40·1	39·7	38·8	41·47
40·6	40·2	40·4	39·8	39·4	39·0	—	—	—	—	—	—	39·83
—	—	—	—	—	—	39·4	39·0	38·6	38·0	37·8	37·6	
42·6	42·8	42·0	41·5	41·4	41·0	40·7	40·4	40·0	40·0	39·5	39·8	40·32
42·5	41·5	41·2	41·0	40·7	41·2	41·7	42·0	42·0	42·0	42·0	41·8	41·47
45·5	45·5	45·2	44·8	44·2	43·6	43·3	42·5	41·6	41·2	40·4	39·5	42·91
38·2	38·0	37·8	37·6	37·4	36·5	36·0	35·5	35·1	35·0	35·5	36·0	37·40
43·0	41·5	40·4	39·6	39·4	39·4	39·1	39·0	38·7	38·5	38·8	39·2	39·99
43·0	41·9	41·4	40·7	39·2	38·7	—	—	—	—	—	—	40·75
—	—	—	—	—	—	38·0	37·8	37·7	38·4	39·0	39·4	
40·6	40·3	40·1	40·0	39·6	40·3	41·2	41·0	41·4	41·5	41·6	41·9	40·19
47·2	47·1	46·9	46·2	45·5	44·8	44·4	43·8	42·8	42·2	41·6	41·2	44·81
48·5	48·5	47·5	47·2	46·6	46·0	46·2	45·1	44·5	43·9	43·2	42·8	45·59
47·2	46·8	46·6	45·8	45·1	44·8	43·8	43·2	42·8	42·8	43·4	43·4	45·22
42·4	42·4	42·6	42·9	43·0	43·1	43·0	43·4	43·0	42·8	42·6	42·0	42·86
43·43	43·07	42·73	42·31	41·81	41·51	40·80	40·55	40·30	40·07	40·00	39·77	41·36

HORIZONTAL FORCE.

One Scale Division = ·000099 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.	12^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
APRIL.	1	704·8	706·6	704·3	698·0	696·1	688·5	686·4	690·9	698·3	697·4	708·0	705·8	708·2
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	708·8	710·0	703·6	704·6	691·6	687·5	685·6	691·0	733·6	708·0	704·0	705·9	702·2
	4	708·2	707·9	707·0	703·0	697·8	692·6	694·1	696·4	701·0	706·1	709·1	708 0	717·0
	5	719·1	716·1	702·2	694·6	684·5	657·2	661·7	668·1	686·0	705·3	708·1	711·1	690·3
	6	675·3	681·8	670·8	675·7	682·7	684·9	688·3	694·9	701·7	705·9	701·9	681·9	688·2
	7	693·3	699·3	703·7	696·5	699·0	694·8	692·6	703·2	701·4	697·7	704·0	700·1	699·7
	8	706·5	710·3	701·9	694·0	694·2	693·9	689·7	697·9	700·0	709·9	705·1	708·5	701·5
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	717·2	716·7	713·2	707·2	702·2	701·1	705·0	713·8	716·5	721·4	721·5	720·5	721·0
	11	722·5	719·9	715·9	712·8	709·8	710·1	715 2	714·5	708·3	719·6	723·5	722·3	719·7
	12	722·2	720·4	713·8	708·8	698·0	698·0	696·5	708·0	709·7	703·6	718·5	718·4	711·1
	13	714·3	713·5	709·8	706·8	699·0	706·5	714·5	720·3	726·0	727·5	721·0	725·0	717·1
	14*	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	725·7	723·6	719·3	713·1	712·9	710·9	712·4	719·8	722·8	727·8	722·6	722·2	718·3
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	737·0	735·3	731·4	726·3	717·5	720·0	724·8	729·5	734·6	742·8	739·1	745·6	740·7
	18	745·5	745·5	738·5	736·0	728·3	726·5	728·0	731·5	759·2	746·9	743·8	741·2	738·3
	19	746·1	740·8	740·5	738·5	733·3	732·8	735·0	743·0	743·5	748·1	747·3	746·0	745·6
	20	739·7	737·4	734·6	730·2	729·7	732·0	735·0	738·1	740·3	742·0	746·4	743·0	735·0
	21	743·1	743·8	742·3	734·4	729·3	732·0	736·0	738·0	739·4^{h}	739·2	738·7	738·4	738·2
	22	740·5	741·0	739·5	736·3	738·1	741·0	746·9	745·8	745·5	751·2	744·5	742·8	742·9
	23	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	749·0	747·9	742·0	736·0	732·3	735·4	738·3	745·0	748·1	751·6	750·7	750·0	747·9
	25	755·0	752·0	747·5	741·5	743·3	747·0	752·0	755·1	758·1	758·9	758·4	757·2	758·2
	26	756·3	751·5	747·2	745·0	744·8	746·1	752·0	752·5	758·2	759·9	760·6	755·9	753·5
	27	757·3	753·5	750·9	742·0	742·8	748·0	753·0	753·4	757·0	760·3	763·2	763·0	758·1
	28	760·0	757·4	751·4	743·5	744·2	746 0	751·4	753·3	758·0	763·9	756·7	760·2	759·0
	29	761·4	760·5	757·4	752·3	749·0	748·0	751·3	755·4	762·1	771·6	773·8	773·9	771·9
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		729·53	728·86	724·53	719·88	716·68	715·91	719·57	723·31	729·55	731·94	732·10	731·12	728·48

TEMPERATURE OF THE BIFILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°	°
APRIL.	1	41·4	41·5	42·5	42·4	43·3	44·6	45·4	46·4	47·2	47·1	47·6	47·9	47·2
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	40·8	40·7	41·8	43·4	44·6	46·2	47·6	49·5	50·5	51·6	52·7	53·5	54·0
	4	44·5	44·5	44·5	44·4	44·9	45·7	47·0	47·2	46·8	46·8	46·7	46·5	46·5
	5	45·8	45·5	47·0	48·0	49·5	50·8	51·5	52·0	52·5	53·0	53·4	53·5	53·5
	6	49·6	49·6	50·6	51·5	52·0	52·7	53·0	53·2	53·0	52·6	52·8	53·1	53·2
	7	46·7	46·0	46·5	47·0	48·0	48·6	49·2	49·9	50·4	50·8	51·2	51·0	50·5
	8	49·0	49·0	49·5	49·6	50·7	51·6	52·8	52·9	53·4	53·8	53·6	53·7	53·0
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	44·5	44·4	44·8	45·2	46·4	46·8	47·4	47·9	48·6	49·8	50·7	50·9	51·1
	11	46·3	46·0	46·6	47·8	49·4	50·1	50·6	50·8	51·0	51·4	52·5	53·5	54·4
	12	48·0	48·5	49·7	50·5	51·8	53·0	54·2	55·3	56·3	57·4	58·2	58·8	58·9
	13	50·4	50·0	51·2	51·6	51·9	52·4	52·7	52·8	53·0	53·0	52·8	52·8	52·5
	14*	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	52·8	52·8	52·8	52·9	53·8	55·2	56·0	56·8	57·5	58·5	58·9	58·9	59·0
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	50·0	50·6	51·2	52·4	53·2	53·6	53·6	53·8	53·8	53·8	53·6	53·3	52·8
	18	50·0	49·4	49·0	48·5	48·5	48·4	48·4	48·2	48·4	48·4	48·4	48·5	48·4
	19	47·5	47·0	47·0	47·0	47·5	48·5	49·5	50·5	51·4	51·5	51·6	51·5	51·6
	20	53·5	53·3	53·0	52·8	52·8	53·5	54·0	54·4	55·2	56·0	56·6	57·3	57·5
	21	51·6	52·5	53·7	55·5	56·8	57·4	58·0	58·7	59·4^{h}	60·2	60·9	61·2	61·0
	22	56·5	56·8	57·2	57·6	58·5	59·0	59·5	59·5	59·4	59·2	59·0	59·0	58·5
	23	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	59·5	59·3	60·0	60·0	60·0	60·0	60·4	60·7	61·3	61·8	62·0	62·0	61·6
	25	57·5	57·2	57·0	57·0	57·5	58·2	58·5	58·8	58·9	59·2	59·8	60·0	59·8
	26	56·6	56·4	56·4	56·5	57·0	58·0	58·5	59·2	60·0	60·3	61·0	61·0	61·0
	27	57·0	57·0	56·6	56·5	56·4	56·5	56·8	57·1	58·1	59·1	59·6	59·8	60·4
	28	57·0	57·0	57·5	58·7	60·0	60·7	61·5	61·9	63·5	64·8	65·3	65·2	65·2
	29	58·0	57·3	56·8	56·0	55·6	55·5	55·5	55·6	54·4	54·5	55·0	54·5	54·0
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		50·60	50·51	50·95	51·37	52·09	52·79	53·40	53·88	54·33	54·78	55·16	55·31	55·23

* Good Friday.

HORIZONTAL FORCE.

One Scale Division = ·000099 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

12^{h}.	13^{h}.	14^{h}.	15^{h}.	16^{h}.	17^{h}.	18^{h}.	19^{h}.	20^{h}.	21^{h}.	22^{h}.	23^{h}.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
708·2	697·0	690·5	696·9	697·6	700·7	—	—	—	—	—	—	700·31
—	—	—	—	—	—	701·0	702·0	705·1	706·8	708·3	708·2	
702·2	699·8	702·0	700·8	701·5	703·0	702·0	703·4	703·0	704·7	705·8	709·0	702·98
717·0	717·0	713·0	709·2	709·1	709·0	706·8	709·2	707·8	714·4	715·4	721·0	707·55
690·3	693·2	659·2	679·5	669·0	665·3	659·6	634·8	644·0	645·4	664·9	679·1	679·10
688·2	688·4	657·7	667·7	689·2	694·5	689·9	689·8	692·6	692·5	695·9	697·0	687·64
699·7	698·3	705·1	697·2	724·8	707·0	690·5	695·8	694·6	694·0	703·8	707·0	700·14
701·5	694·8	697·1	710·9	705·4	705·0	—	—	—	—	—	—	704·44
—	—	—	—	—	—	708·6	718·9	710·1	711·9	713·0	717·5	
721·0	717·5	715·0	714·6	717·1	717·5	717·2	718·4	719·2	719·2	722·1	716·0	715·46
719·7	717·7	716·1	716·9	722·7	722·2	719·1	728·6	718·6	718·9	715·9	722·2	718·04
711·1	697·8	700·5	702·0	709·1	715·8	714·4	713·0	708·0	717·0	718·3	717·0	710·00
717·1	719·0	715·3	725·5	719·6	620·4*	—	—	—	—	—	—	716·74
—	—	—	—	—	—	720·2	715·9	712·3	711·8	723·7	717·8	
718·3	722·0	721·1	718·4	719·3	720·4	—	—	—	—	—	—	723·00
—	—	—	—	—	—	734·2	733·7	732·0	729·3	733·7	736·5	
740·7	739·7	732·5	737·1	733·1	733·1	738·6	733·0	731·0	726·6	733·0	743·0	733·55
738·3	740·4	738·3	735·9	741·5	746·5	743·4	742·6	745·4	744·4	744·8	744·0	740·68
745·6	744·6	744·2	742·6	744·6	744·3	746·2	740·8	740·6	739·8	741·1	740·6	742·08
735·0	733·0	738·7	737·7	737·5	738·0	740·1	739·1	740·4	741·4	743·8	742·5	738·15
738·2	735·8	736·8	735·5	736·0	736·8	737·8	737·4	739·2	740·1	741·0	742·5	737·99
742·9	737·5	742·0	7[illegible]·0	744·4	744·5	—	—	—	—	—	—	743·47
—	—	—	—	—	—	743·5	744·0	746·6	746·8	747·0	747·0	
747·9	744·2	745·5	746·2	747·9	746·8	747·0	749·2	748·0	751·0	753·0	754·0	746·12
758·2	754·9	752·0	754·5	753·6	756·2	753·8	754·0	753·5	751·7	754·6	757·0	753·33
753·5	756·4	756·8	757·0	757·0	756·6	758·0	758·7	758·0	755·9	757·0	758·0	754·70
758·1	758·0	758·2	758·1	758·7	758·2	760·0	760·9	758·1	757·2	759·3	759·5	756·19
759·0	760·8	757·1	757·8	757·8	758·4	757·6	758·4	757·9	756·0	759·9	762·3	756·21
771·9	769·7	767·6	765·8	765·0	761·6	—	—	—	—	—	—	765·61
—	—	—	—	—	—	775·0	775·5	776·4	776·5	776·0	777·0	
728·48	726·52	723·43	725·49	727·56	727·58	727·69	727·38	726·77	727·22	730·47	732·32	726·37

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
47·2	47·3	47·0	46·5	46·0	45·8	—	—	—	—	—	—	44·56
—	—	—	—	—	—	43·0	42·5	42·0	42·0	41·5	41·3	
54·0	53·0	52·4	51·0	50·0	49·0	58.0	47·4	46·3	45·6	45·3	44·6	47·90
46·5	46·5	46·5	46·6	46·4	46·6	46·6	46·4	46·5	46·3	46·0	45·7	46·09
53·5	53·5	52·9	52·5	52·2	51·9	51·4	51·0	51·0	50·8	50·7	50·5	51·02
53·2	52·5	51·8	51·8	52·0	52·0	51·0	50·2	49·2	48·3	47·6	47·5	51·28
50·5	50·4	50·1	49·6	49·5	49·5	49·2	49·0	49·0	49·2	49·0	48·7	49·12
53·0	52·5	52·3	52·0	51·8	52·0	—	—	—	—	—	—	50·27
—	—	—	—	—	—	46·2	46·0	45·6	45·4	45·2	44·9	
51·1	50·5	50·0	49·8	49·8	49·6	48·8	48·0	47·5	47·4	47·1	46·5	48·06
54·4	54·4	53·6	52·9	52·5	52·3	51·5	51·0	50·2	59·6	49·0	48·3	50·65
58·9	58·1	57·2	56·5	55·4	54·8	54·0	53·2	52·5	52·0	51·5	51·2	54·04
52·5	52·4	52·0	52·0	51·7	51·4	—	—	—	—	—	—	52·32
—	—	—	—	—	—	53·2	53·2	53·2	53·2	53·2	53·0	
59·0	58·5	58·3	58·0	57·1	56·5	—	—	—	—	—	—	55·06
—	—	—	—	—	—	52·5	51·8	51·2	50·7	50·5	50·4	
52·8	52·4	52.2	51·8	51·8	51·5	51·5	51·5	51·6	51·6	51·3	50·5	52·23
48·4	48·0	48·0	47·8	47·7	47·6	47·6	47·3	47·5	47·6	47·5	47·5	48·19
51·6	51·8	52·2	52·6	53·1	53·9	54·3	54·5	54·2	53·8	53·9	53·9	51·26
57·5	57·2	56·6	56·4	55·8	55·2	54·5	54·0	53·6	53·0	52·6	52·0	54·62
61·0	60·8	60·5	60·2	59·2	58·8	58·6	57·7	57·5	57·1	56·8	56·5	57·94
58·5	58·0	57·5	57·2	57·1	57·0	—	—	—	—	—	—	58·54
—	—	—	—	—	—	60·2	60·0	59·6	59·6	59·6	59·5	
61·6	61·4	61·0	60·7	60·4	60·0	59·8	59·6	59·4	58·4	57·9	57·5	60·20
59·8	59·0	58·4	57·7	57·2	57·0	56·9	56·8	56·7	56·4	57·0	57·0	57·98
61·0	61·0	60·9	60·7	60·4	60·2	60·2	60·0	59·6	59·2	58·5	57·8	59·18
60·4	60·5	60·1	59·5	59·2	59·2	58·8	58·2	58·0	57·5	57·4	57·3	58·19
65·2	65·0	64·2	63·5	63·0	62·5	62·0	61·5	61·0	59·7	59·5	59·0	61·63
54·0	54·0	53·6	53·4	53·2	53·0	—	—	—	—	—	—	53·66
—	—	—	—	—	—	50·1	49·8	49·6	49·5	49·5	49·5	
55·23	54·95	54·55	54·20	53·85	53·64	52·91	52·53	52·19	51·83	51·59	51·27	53·08

* Three minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000099 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00027.

Mean Göttingen Time.		0^h.	1^h.	2^h.	3^h.	4^h.	5^h.	6^h.	7^h.	8^h.	9^h.	10^h.	11^h.	12^h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
MAY.	1	776·2	775·4	768·5	765·5	757·9	763·0	767·8	770·7	778·3	783·7	785·2	778·7	775·6
	2	783·5	783·0	778·7	772·0	767·5	765·8	767·7	771·9	777·1	778·5	781·0	782·0	782·5
	3	786·5	787·1	782·6	774·8	767·4	773·1	775·9	782·0	784·6	785·2	784·2	780·7	777·9
	4	786·8	783·8	780·4	775·3	774·3	776·1	776·4	784·2	782·9	785·3	785·8	787·9	786·0
	5	788·3	786·8	783·3	776·5	774·3	775·5	778·0	783·9	785·4	790·8	790·9	792·3	790·8
	6	794·0	795·0	793·9	783·0	783·0	788·3	787·3	789·1	791·3	792·3	859·6	951·8	921·6
	7	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	765·5	766·5	765·1	764·6	766·0	767·0	770·0	773·9	779·2	769·5	771·1	772·1	772·4
	9	768·0	770·0	771·7	761·8	759·7	768·6	770·3	775·5	770·0	774·4	780·6	472·2	773·9
	10	777·5	770·8	762·7	760·3	758·8	774·5	769·0	776·7	780·0	768·9	772·8	780·7	787·6
	11	772·5	772·3	773·0	768·4	767·0	767·5	769·0	777·2	776·2	775·4	776·4	775·2	776·9
	12	770·0	777·5	773·2	775·0	772·0	773·1	778·0	781·2	783·8	782·7	777·1	779·8	779·4
	13	778·0	777·8	774·5	770·5	772·0	769·8	772·9	777·3	781·1	783·8	783·5	782·1	776·5
	14	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	787·9	793·0	796·3	790·6	784·8	784·3	783·0	802·5	791·2	777·5	771·4	782·2	786·2
	16	788·3	791·0	786·6	778·8	778·6	787·6	786·5	781·0	781·2	781·4	791·1	791·0	793·9
	17	796·3	793·5	788·5	783·0	784·5	792·0	792·9	795·1	801·0	797·8	802·0	802·6	803·9
	18	807·0	806·5	803·6	798·9	795·6	795·0	798·0	804·1	805·6	811·2	809·9	809·5	805·4
	19	806·0	803·0	800·8	798·3	799·1	800·3	801·1	804·9	805·2	804·9	805·6	804·3	803·9
	20	811·5	812·0	806·4	800·0	896·5	799·0	802·0	802·6	803·3	810·2	809·5	809·9	810·0
	21	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	814·0	812·3	807·9	807·5	807·0	807·0	811·0	816·3	822·1	821·6	818·2	816·6	813·2
	23	811·8	810·8	809·3	808·1	812·5	819·3	825·0	819·9	820·2	818·2	817·9	817·1	811·9
	24	815·8	812·0	808·3	803·4	798·0	800·5	805·8	810·0	818·0	819·5	820·0	818·0	812·4
	25	816·5	815·5	810·9	802·0	800·0	803·0	806·0	816·7	823·1	819·7	821·0	819·1	813·2
	26	821·8	817·0	812·9	806·5	804·0	800·0	804·0	806·4	814·7	834·2	819·5	804·7	825·0
	27	809·9	808·9	807·9	803·3	804·3	807·9	815·4	819·0	825·2	823·6	819·6	822·4	818·0
	28	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	824·0	831·0	824·3	825·3	821·5[a]	811·0	812·5	818·2	824·1	824·1	822·0	829·9	812·9
	30	824·0	825·5	821·0	815·0	813·0[b]	813·8	815·0	816·3	820·6	823·7	824·9	825·8	827·0
	31	834·5	830·0	824·8	818·5	814·3	815·1	819·1	825·0	834·9	835·9	836·0	833·8	832·8
Hourly Means		796·89	796·52	793·23	788·40	786·57	788·82	791·17	795·61	798·53	799·04	801·36	804·53	802·62

TEMPERATURE OF THE BIFILAR MAGNET.

		0^h.	1^h.	2^h.	3^h.	4^h.	5^h.	6^h.	7^h.	8^h.	9^h.	10^h.	11^h.	12^h.
		°	°	°	°	°	°	°	°	°	°	°	°	°
MAY.	1	49·0	49·0	49·5	49·8	50·3	49·4	49·0	49·6	48·4	48·8	47·8	47·9	48·0
	2	48·5	49·0	49·0	46·9	47·0	46·4	46·5	49·2	50·4	50·6	50·6	51·4	51·6
	3	49·0	50·0	50·4	52·4	53·5	54·5	55·0	55·3	55·8	56·1	57·0	57·0	56·7
	4	52·5	52·2	52·4	52·4	52·3	53·5	53·0	53·0	53·0	53·5	53·7	53·2	52·8
	5	49·6	50·2	51·0	52·0	51·7	51·5	51·3	51·2	50·6	51·2	51·7	51·9	51·5
	6	49·6	49·6	49·6	50·3	50·5	52·0	52·5	53·2	54·2	55·2	56·2	56·5	56·9
	7	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	55·0	55·4	55·5	55·5	55·6	56·3	56·7	57·3	57·8	58·4	58·4	58·1	58·3
	9	54·5	54·5	56·3	57·4	58·0	57·6	58·5	58·5	58·9	59·3	59·8	59·9	59·9
	10	56·5	56·5	57·0	57·5	57·7	58·0	38·4	58·5	58·8	59·0	58·8	58·6	58·4
	11	57·5	58·2	59·0	59·8	60·5	61·0	61·5	61·6	62·0	62·6	63·0	63·0	63·1
	12	58·2	58·6	59·0	60·5	61·4	61·9	62·3	62·6	63·2	63·9	64·2	64·5	64·3
	13	59·5	59·5	59·5	60·5	61·5	62·5	63·4	63·8	64·8	65·5	66·5	66·2	66·2
	14	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	63·0	63·5	64·5	66·5	67·0	67·4	67·5	67·6	67·8	68·0	68·3	69·0	69·4
	16	62·5	63·0	63·5	64·0	64·0	64·0	63·9	63·7	63·9	64·5	65·0	65·6	65·6
	17	57·5	58·5	59·0	59·5	60·0	60·0	60·0	60·2	60·4	60·4	60·3	60·4	60·5
	18	54·5	55·5	56·5	57·7	58·5	58·5	58·5	58·6	58·9	59·3	59·7	59·9	60·5
	19	54·5	54·5	55·0	56·0	56·6	57·2	58·0	58·6	59·2	59·8	60·0	60·2	60·2
	20	53·0	54·0	55·0	56·6	57·6	58·5	59·0	59·2	59·8	50·6	61·3	61·8	61·9
	21	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	56·5	56·6	57·0	57·5	58·0	58·5	58·6	58·9	59·2	59·4	59·8	59·6	59·4
	23	57·0	57·5	58·0	58·2	59·0	59·4	59·6	60·0	60·4	60·6	61·3	61·4	61·1
	24	55·2	56·0	57·0	57·9	58·3	58·7	58·8	59·5	60·0	61·4	62·5	63·4	63·8
	25	56·0	56·5	57·4	59·0	59·6	60·0	60·4	60·5	60·9	60·9	62·0	62·4	62·4
	26	57·2	57·0	57·0	57·5	58·0	58·3	58·4	59·2	59·4	59·6	59·8	59·7	59·3
	27	58·6	58·4	58·3	58·3	58·5	58·8	59·8	59·5	59·6	59·6	59·4	59·4	59·4
	28	—	—	—	—	—[c]	—	—	—	—	—	—	—	—
	9	56·0	56·5	58·0	58·5	59·6[a]	60·2	60·4	60·6	61·0	61·3	62·1	62·9	63·2
	30	56·5	57·0	58·4	59·5	60·2[b]	60·2	60·3	59·7	58·7	57·8	57·0	56·7	56·4
	31	52·0	52·5	53·0	52·9	52·8	52·7	52·7	53·0	53·3	53·5	53·5	53·9	53·6
Hourly Means		55·16	55·54	56·14	56·82	57·32	57·63	57·93	58·24	58·53	58·92	59·25	59·43	59·42

[a] Three minutes late. [b] Five minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000099 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00027.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
775·6	779·4	780·6	777·0	771·0	775·6	779·5	779·2	778·8	776·0	778·8	778·5	775·04
782·5	782·6	783·3	783·6	782·0	780·5	778·5	777·2	779·5	783·2	785·0	785·8	778·85
777·9	779·2	779·5	780·0	779·6	780·5	781·6	782·2	783·9	784·5	785·4	786·4	781·03
786·0	784·2	782·8	783·2	784·8	783·0	785·0	786·5	786·0	785·6	787·5	788·0	783·41
790·8	790·0	789·1	789·1	789·2	789·5	789·2	789·8	789·1	791·7	792·0	793·0	787·06
921·6	769·1	740·9	741·9	738·0	780·8	—	—	—	—	—	—	790·06
—	—	—	—	—	—	759·0	761·9	762·2	762·4	760·3	755·3	
772·4	762·8	755·2	757·3	758·2	759·5	753·6	766·3	763·9	771·7	773·8	772·0	766·55
773·9	773·3	772·7	779·8	771·0	768·7	770·9	770·0	769·4	775·1	776·1	777·5	771·72
787·6	776·6	769·1	779·8	775·9	754·0	778·6	778·1	776·2	775·7	776·7	775·8	773·20
776·9	770·3	768·0	771·1	771·1	773·4	775·6	775·9	776·6	777·5	779·9	775·0	773·39
779·4	776·6	772·3	775·1	772·5	776·2	771·4	776·5	773·8	773·0	780·7	780·8	776·37
776·5	778·4	775·9	776·0	776·3	780·0	—	—	—	—	—	—	779·96
—	—	—	—	—	—	789·9	790·6	788·1	789·3	788·2	786·5	
786·2	787·5	779·7	767·1	778·5	777·0	764·0	767·1	784·5	787·1	779·7	782·4	782·73
793·9	782·4	783·8	790·8	793·7	780·7	786·8	788·4	794·7	791·5	794·1	790·1	787·25
803·9	801·8	792·9	792·7	791·7	791·2	799·0	795·5	801·1	799·6	799·0	801·8	795·81
805·4	803·7	801·7	801·5	801·2	802·0	801·0	800·5	800·0	802·9	804·1	808·0	803·20
803·9	804·1	802·5	804·0	807·9	806·2	804·8	805·4	805·9	804·9	806·9	810·3	804·18
810·0	803·4	804·2	804·6	805·0	803·6	—	—	—	—	—	—	805·91
—	—	—	—	—	—	807·0	807·8	808·0	808·3	807·0	810·0	
813·2	812·8	810·2	810·5	810·2	810·1	810·2	810·2	810·5	809·6	810·0	811·0	812·08
811·0	810·1	809·2	804·4	805·3	808·8	810·0	811·3	811·9	811·0	809·8	815·0	812·87
812·4	814·7	815·0	813·1	812·0	811·8	813·0	813·5	811·4	815·8	815·0	817·0	812·25
813·2	814·8	815·6	816·4	816·2	816·2	816·1	818·1	818·8	816·7	816·0	814·0	814·69
825·0	813·5	811·0	810·4	814·9	818·9	820·0	819·0	818·8	819·0	817·8	810·8	814·37
818·0	817·5	812·9	816·2	818·0	816·5	—	—	—	—	—	—	816·96
—	—	—	—	—	—	821·0	821·9	824·0	823·0	824·7	826·0	
812·9	815·0	816·2	818·5	820·9	821·0	809·1	817·2	818·0	818·1	820·3	821·5	819·86
827·0	825·8	827·0	827·9	825·0	825·0	825·1	825·6	826·9	828·7	828·7	831·3	823·36
832·8	831·8	834·1	834·0	825·5	835·0	833·5	833·2	836·2	834·0	836·0	841·0	830·79
802·62	794·87	792·05	792·81	792·80	793·54	793·83	795·14	796·23	796·89	797·54	798·14	795·29

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
48·0	49·2	49·5	48·8	48·6	48·6	48·6	48·5	48·3	48·3	48·5	48·3	48·40
51·6	52·2	52·4	52·3	52·0	52·2	52·4	50·8	49·6	49·4	49·2	48·5	49·93
56·7	56·6	55·5	55·0	54·4	54·0	53·6	53·2	53·0	52·8	52·6	52·5	53·97
52·8	52·4	52·0	51·5	50·7	50·6	50·1	50·0	49·6	49·3	49·5	49·8	51·75
51·5	51·1	50·7	50·8	50·2	50·3	50·2	50·0	49·6	49·0	49·6	49·9	50·70
56·9	57·2	57·1	57·0	56·6	56·6	—	—	—	—	—	—	54·43
—	—	—	—	—	—	56·2	56·2	56·2	55·8	55·5	55·5	
58·3	57·8	57·6	57·3	57·1	56·6	56·2	55·6	55·0	54·4	54·5	53·8	56·42
59·9	60·0	60·0	59·4	58·6	58·3	57·7	57·8	57·2	57·0	56·9	56·6	58·02
58·4	58·0	58·2	58·0	58·0	57·9	57·7	57·4	57·3	57·3	57·4	57·3	57·84
63·1	62·8	62·3	62·0	61·5	61·0	60·4	59·8	59·4	58·8	58·5	58·0	60·72
64·3	63·5	63·2	63·0	62·6	62·0	61·4	60·9	60·7	60·5	60·1	59·7	61·76
66·2	65·8	65·6	65·2	64·9	64·4	—	—	—	—	—	—	63·69
—	—	—	—	—	—	64·4	64·0	64·0	64·0	63·6	63·2	
69·4	69·5	69·0	67·4	66·6	65·8	65·2	65·0	64·1	63·4	62·9	62·4	66·26
65·6	65·3	64·2	63·0	61·9	60·6	60·0	59·4	58·7	58·2	58·0	57·4	62·50
60·5	60·1	59·4	58·9	58·7	58·0	56·8	56·5	55·2	55·2	55·2	54·0	58·53
60·5	60·4	60·3	59·2	58·4	57·5	56·9	56·6	56·4	55·5	55·2	54·5	57·81
60·2	59·6	59·2	58·3	57·6	57·0	56·1	55·5	54·8	54·4	53·6	53·0	57·04
61·9	61·5	61·1	60·8	60·2	60·0	—	—	—	—	—	—	58·66
—	—	—	—	—	—	58·6	58·4	57·9	57·4	57·0	56·7	
59·4	59·0	58·6	58·4	58·2	58·0	57·7	57·5	57·4	57·5	57·4	57·2	58·16
61·1	60·6	59·9	59·4	58·8	58·0	57·5	57·0	56·4	56·0	55·6	54·5	58·63
63·8	63·7	62·9	61·8	60·4	59·6	58·8	58·4	58·1	57·2	56·9	56·4	59·45
62·4	61·8	61·4	60·6	60·0	59·4	58·7	58·6	58·2	57·8	57·6	57·0	59·55
59·3	59·0	59·2	59·4	59·5	59·5	59·7	59·5	59·4	59·0	59·2	59·2	58·87
59·4	59·2	58·8	58·6	58·2	59·2	—	—	—	—	—	—	58·61
—	—	—	—	—	—	59·0	58·8	58·2	57·7	56·9	55·5	
63·2	62·9	62·3	61·8	61·0	60·4	59·2	58·6	58·2	57·6	57·0	56·0	59·80
56·4	55·8	55·4	55·2	54·8	54·2	53·6	52·9	52·7	52·3	51·9	51·5	56·20
53·6	52·9	52·4	52·1	51·7	51·4	51·0	50·4	49·8	49·5	49·5	49·5	52·07
59·42	59·17	58·82	58·34	57·82	57·41	56·95	56·57	56·13	55·75	55·55	55·11	57·41

HORIZONTAL FORCE.

One Scale Division = ·000099 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00027.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	12h.
JUNE.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
	1	841·0	841·0	839·0	833·0	829·2	830·9	833·4	833·4	838·5	838·2	842·4	840·0	838·6
	2	837·0	838·0	833·4	838·5	837·5	837·3	836·9	837·3	845·6	845·1	850·5	835·8	831·9
	3	833·8	828·3	828·2	822·6	819·3	819·4	819·6	824·5	829·6	836·1	834·7	835·7	843·0
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	830·0	825·8	824·7	820·0	815·5	817·0	826·3	833·8	837·1	836·0	833·0	830·8	827·6
	6	834·1	833·1	831·0	825·8	822·8	824·0	825·6	828·4	829·8	835·9	833·7	834·1	834·4
	7	836·5	834·4	829·4	826·5	822·5	823·5	829·8	829·5	837·4	826·9	842·0	848·3	831·4
	8	831·1	830·8	827·8	820·4	818·3	821·3	831·8	831·3	833·0	838·0	835·0	834·5	831·5
	9	831·0	828·0	827·0	826·0	827·5	827·4	828·0	828·0	829·0	831·8	829·5	826·5	823·6
	10	834·6	836·5	835·3	832·4	831·0	832·8	831·3	838·1	845·2	828·4	845·8	845·1	830·0
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	844·0	837·0	837·0	831·8	830·0	827·9	835·5	840·6	844·1	841·6	841·5	832·9	846·1
	13	835·3	829·3	825·9	827·9	830·8	825·5[c]	818·0	835·9	830·9	834·3	833·6	841·9	839·1
	14	841·8	840·8	838·0	830·6	821·5	822·1	831·0	835·3	837·3	838·9	838·2	830·5	838·3
	15	834·5	842·8	841·5	836·0	833·9	837·5	840·5	841·8	847·9	851·1	851·2	845·8	843 9
	16	846·0	847·0	840·9	833·9	829·4	828·4	836·0	841·5	844·2	847·2	852·0	840·5	844·0
	17	852·0	851·0	847·2	840·8	838·0	836·9	837·8	844·2	852·2	847·2	847·5	848·0	848·0
	18	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	852·0	850·8	845·9	840·5	839·5	838·0	842·0	844·0	854·1	858·1	859·1	853·8	851·6
	20	848·0	845·8	844·1	841·0	838·5	842·0	846·2	850·8	854·9	852·9	849·9	851·0	847·3
	21	850·0	841·0	838·0	836·1	835·0	837·0	836·0	841·4	844·5	847·5	842·8	835·4	840·9
	22	844·0	843·3	840·9	835·8	835·1	834·9	839·0	343·1	846·2	846·0	844·0	847·8	840·5
	23	843·3	839·8	838·3	836·6	835·0	837·8	840·0	844·4	850·5	854·3	853·1	850·9	848·8
	24	850·0	850·3	846·5	842·0	841·8	847·1	849·6	850·1	854·0	859·6	859·6	856·8	853·5
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	858·0	858·0	855·1	850·0	842·8	841·0	846·0	850·5	851·4	854·6	854·8	856·5	856·5
	27	856·0	855·3	852·5	850·0	847·0	850·0	857·0	862·4	863·6	863·4	863·9	858·0	858·5
	28	856·0	853·1	848·5	851·5	855·8	856·0	854·0	863·3	866·9	864·4	860·2	856·0	855·0
	29	862·0	860·3	863·1	860·1	853·5	851·3	854·5	862·0	873·0	872·2	875·6	869·0	864·5
	30	862·5	859·5	857·0	851·0	841·6	839·6	849·6	851·2	863·1	848·0	859·7	880·5	861·1
Hourly Means		844·02	842·35	839·93	836·18	833·57	834·12	837·44	841·80	846·31	846·06	847·43	845·97	843·45

TEMPERATURE OF THE BIFILAR MAGNET.

		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	12h.
JUNE.		°	°	°	°	°	°	°	°	°	°	°	°	°
	1	49·0	49·0	49·5	50·4	50·7	51·4	51·9	52·3	53·2	53·5	54·0	53·7	53·7
	2	49·0	49·2	49·4	49·5	50·0	51·0	51·9	52·2	53·0	53·4	53·6	53·5	52·9
	3	51·7	51·7	52·0	53·0	53·9	54·6	55·5	55·8	56·0	56·4	56·6	56·8	56·4
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	53·8	53·5	53·5	53·5	53·5	54·0	55·0	55·1	55·3	55·6	56·0	56·2	56·2
	6	53·8	54·0	54·0	54·3	55·4	56·5	57·4	57·4	58·0	58·0	58·0	58·2	57·8
	7	54·0	55·0	55·8	56·5	57·7	58·3	58·6	59·[illegible]	60·2	60·4	60·5	60·2	60·1
	8	57·0	57·0	57·5	57·5	57·7	57·5	57·8	57·9	58·0	58·0	58·3	58·4	58·6
	9	58·5	59·0	59·5	60·7	63·0	64·0	65·0	66·0	67·0	67·5	68·0	68·6	68·6
	10	60·6	60·4	60·5	60·1	60·0	60·3	60·0	60·8	61·1	61·0	61·0	60·8	60·5
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	57·6	58·5	59·5	60·6	61·0	62·0	62·4	62·9	63·6	64·4	65·6	66·0	66·2
	13	60·7	61·6	62·0	62·0	62·5	63·0[a]	63·2	63·3	63·5	64·0	64·5	64·4	64·4
	14	60·5	61·5	62·5	63·3	64·0	64·0	64·2	64·4	64·6	65·1	65·6	66·0	66·8
	15	60·0	60·4	61·0	62·3	62·3	62·3	62·5	62·0	62·0	62·2	62·8	63·0	62·8
	16	58·8	58·8	58·8	59·0	59·6	60·5	61·0	61·3	61·7	62·4	63·1	63·4	63·6
	17	58·8	59·5	60·4	61·8	62·3	62·8	63·0	63·4	63·5	64·0	64·5	64·6	65·2
	18	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	60·0	61·0	62·2	63·2	64·2	64·6	65·1	65·6	66·0	66·6	66·8	67·2	67·2
	20	62·0	63·0	64·0	65·0	66·0	67·0	67·6	68·2	69·2	70·2	71·0	71·5	71·4
	21	66·0	66·5	67·3	68·0	69·0	70·0	71·0	71·8	73·0	74·0	74·5	74·8	74·8
	22	69·8	70·7	72·0	72·3	72·8	73·5	74·0	74·5	75·0	76·5	76·6	76·9	76·4
	23	70·5	70·5	70·7	71·2	71·5	71·5	71·5	71·7	72·0	72·4	72·9	73·6	74·1
	24	69·5	69·5	69·2	69·1	69·0	69·2	69·5	69·8	70·5	71·5	72·7	73·5	73·8
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	66·0	67·0	67·5	68·4	69·4	69·5	70·0	70·2	71·1	71·9	72·8	73·5	73·4
	27	69·5	70·5	71·6	72·5	73·0	74·0	74·8	75·6	76·4	76·8	76·6	76·8	76·4
	28	71·5	71·5	71·5	71·5	71·7	72·2	72·2	72·8	73·6	74·4	74·9	75·2	74·9
	29	70·3	70·5	70·7	71·0	71·5	72·0	72·5	73·4	73·7	74·1	75·0	75·0	75·0
	30	70·5	71·0	72·0	72·5	72·5	73·2	73·8	74·5	75·4	76·2	76·8	77·0	77·4
Hourly Means		61·13	61·57	62·10	62·66	63·25	63·80	64·28	64·72	65·25	65·79	66·27	66·49	66·48

[a] Three minutes late. [b] Four minutes late. [c] Five minutes late.

II.

HORIZONTAL FORCE.

One Scale Division = ·000099 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00027.

10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
842·4	840·0	838·6	836·0	835·9	835·7	836·0	835·9	835·5	839·1	839·0	838·1	834·7	833·0	836·56
850·5	835·8	831·9	837·8	840·0	834·0	833·1	827·3	824·7	831·1	829·8	822·8	819·8	832·5	834·90
834·7	835·7	843·0	817·1	817·1	810·8a	812·3	822·3	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	827·7	827·2	832·5	829·7	829·6	830·0	826·30
833·0	830·8	827·6	830·6	834·5	834·0	833·9	824·6	829·0	831·9	830·9	831·5	833·7	837·5	829 57
833·7	834·1	834·4	830·0	834·8	826·7	822·0	826·9	830·4	829·4	829·5	830·2	831·4	836·0	830·08
842·0	848·3	831·4	824·0	827·9	820·7	813·5	825·9	814·6	825·1	823·7	829·0	825·0	828·3	828·16
835·0	834·5	831·5	831·2	833·0	833·3	834·8	835·8	831·3	828·1	828·6	829·0	831·1	831·3	830·51
829·5	826·5	823·6	825·5	824·7	826·9	827·2	828·9	832·8	831·8	831·4	840·8	842·8	827·1	829·30
845·8	845·1	830·0	843·1	833·1	838·5	839·1	838·5	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	838·5	836·0	837·3	834·4	839·0	830·9	836·45
841·5	832·9	840·1	831·2	832·8	829·1	830·4b	830·6	836·2	834·7	832·3	833·6	834·7	831·0	835·27
833·6	841·9	839·1	838·6	841·0	837·9	840·2	838·6	838·0	838·6	838·3	836·7	837·7	836·0	834·58
838·2	830·5	838·3	836·8	835·8	835·9	839·8	839·8	838·3	839·0	833·8	836·1	838·1	832·0	835·40
851·2	845·8	843 9	843·1	840·5	842·6	840·8	838·1	839·0	842·3	840·1	841·2	843·0	843·0	841·75
852·0	849·5	844·0	845·2	846·5	845·0	842·6	843·8	844·5	845·3	845·0	845·9	846·2	848·5	843·29
847·5	848·0	848·0	846·0	845·0	843·8	844·2	844·9	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	845·0	846·2	847·5	847·0	845·2	848·0	845·57
859·1	853·8	851·6	847·0	843·2	843·0	844·2	844·0	845·2	847·0	847·2	847·6	847·8	850·0	847·31
849·9	851·0	847·3	842·9	841·5	841·7	841·9	841·0	841·0	843·3	843·2	842·9	843·3	845·0	845·01
842·8	835·4	840·9	838·5	839·4	840·2	841·5	838·7	839·9	839·8	840·9	839·2	842·0	843·0	840·16
844·0	847·8	840·5	842·2	839·8	841·9	846·8	845·0	842·7	843·2	843·2	845·0	842·7	844·4	842·52
853·1	850·9	848·8	846·9	851·8	849·2	848·1	847·0	847·4	847·2	848·0	848·2	848·3	850·0	846·04
859·6	856·8	853·5	853·7	852·2	848·5	850·0	850·8	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	846·8	848·0	850·8	851·6	851·1	858·0	850·93
854·8	856·5	856·5	857·0	855·4	853·6	854·3	854·0	854·2	854·8	853·8	854·2	855·5	856·0	853·25
863·9	858·0	858·5	854·0	857·8	854·5	854·5	855·8	853·5	855·0	853·8	854·2	854·9	854·0	855·81
860·2	856·0	855·0	858·8	858·0	858·3	860·0	861·4	863·9	864·8	864·0	858·8	861·3	860·0	858·74
875·6	869·0	864·5	859·0	863·4	859·0	852·0	855·8	858·8	859·8	859·8	857·0	859·0	860·0	861·03
859·7	880·5	861·1	853·6	847·2	848·6	845·0	845·8	838·1	835·9	852·9	853·7	854·5	854·5	852·26
847·43	845·97	843·45	841·22	841·24	839·86	839·55	840·05	839·88	840·95	841·44	841·48	842·01	842·31	841·19

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
54·0	53·7	53·7	53·5	53·1	52·8	52·4	52·1	51·5	51·0	50·6	50·4	50·4	49·5	51·65
53·6	53·5	52·9	52·0	51·8	51·6	51·4	51·6	52·0	52·1	52·1	52·1	52·0	52·0	51·64
56·6	56·8	56·4	56·6	56·6	56·4a	56·0	57·7	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	53·6	53·8	53·8	54·2	54·2	53·8	54·88
56·0	56·2	56·2	55·8	55·4	55·2	55·0	54·6	54·6	54·5	54·4	54·4	54·2	54·0	54·72
58·0	58·2	57·8	57·4	57·2	56·8	56·4	56·1	55·5	55·1	54·7	54·5	54·3	53·6	56·03
60·5	60 2	60·1	59·7	59·4	59·2	59·0	58·6	58·3	58·2	58·2	57·8	57·4	57·0	58·31
58·3	58·4	58·6	58·5	58·6	58·6	58·6	58·4	58·7	58·2	58·0	58·4	58·5	58·5	58·09
68·0	68·6	68·6	68·5	67·6	67·1	66·9	65·7	64·6	64·0	63·4	62·8	62·0	61·5	64·56
61·0	60·8	60·5	60·1	60·0	59·8	59·5	58·8	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	58·6	58·4	58·0	57·4	57·4	57·0	59·68
65·6	66·0	66·2	65·6	65·2	64·4	63·5b	63·0	62·4	61·8	61·0	60·8	60·6	60·5	62·46
64·5	64·4	64·4	64·5	64·4	64·2	63·8	63·4	63·0	62·6	62·2	61·8	61·2	60·8	62·96
65·6	66·0	66·8	66·8	65·8	65·2	64·5	63·5	62·6	62·4	61·0	60·4	60·0	59·5	63·51
62·8	63·0	62·8	62·7	62·6	61·9	61·4	61·0	60·6	60·0	59·7	59·4	59·2	59·2	61·39
63·1	63·4	63·6	63·7	63·4	63·0	62·8	61·8	61·0	60·4	60·0	59·0	58·6	58·2	61·00
64·5	64·6	65·2	65·4	64·8	64·3	63·6	63·2	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	63·0	62·4	61·6	61·0	60·5	59·5	62·64
66·8	67·2	67·2	66·9	66·2	66·0	65·7	65·2	65·0	63·8	63·3	63·0	62·5	61·5	64·53
71·0	71·5	71·4	71·2	70·5	69·6	69·2	68·7	68·2	67·5	67·1	66·7	66·2	66·0	67·79
74·5	74·8	74·8	74·6	73·8	73·5	73·1	72·6	72·4	72·4	72·0	71·5	70·5	69·5	71·52
76·6	76·9	76·4	75·5	75·2	75·0	74·4	74·0	73·4	72·6	72·3	71·6	71·4	70·5	73·62
72·9	73·6	74·1	73·6	73·5	73·2	72·8	72·2	71·7	71·1	70·7	70·4	70·0	69·5	71·78
72·7	73·5	73·8	73·8	73·3	72·6	72·0	71·5	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	67·6	68·4	67·8	67·6	66·7	66·0	70·17
72·8	73·5	73·4	73·8	73·5	72·8	72·4	71·8	71·6	71·0	70·5	70·0	69·5	69·0	70·69
76·8	76·6	76·4	76·2	75·6	75·4	75·2	75·0	74·2	73·8	73·5	73·0	72·7	71·4	74·20
74·9	75·2	74·9	74·2	74·0	73·7	73·2	72·8	72·5	72·0	71·8	71·3	71·2	70·2	72·70
75·0	75·0	75·0	74·8	74·5	74·4	74·0	73·5	72·8	72·4	71·8	71·1	70·5	70·5	72·71
76·8	77·0	77·4	77·2	77·0	76·2	75·6	75·1	74·5	74·4	74·2	74·0	73·4	73·4	74·49
66·27	66·49	66·48	66·25	65·88	65·50	65·09	64·69	64·00	63·63	63·22	62·88	62·50	62·00	64·14

HORIZONTAL FORCE.

One Scale Division = ·000099 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00027.

Mean Göttingen Time.		0^h.	1^h.	2^h.	3^h.	4^h.	5^h.	6^h.	7^h.	8^h.	9^h.	10^h.	11^h.	12^h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
JULY.	1	856·8	856·5	852·0	845·9	836·9	835·5	844·4	839·3	848·8	863·8	863·5	858·8	866·0
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	875·2	877·1	867·5	863·8	853·8	852·6	855·7	867·3	873·9	884·4	882·3	883·8	880·5
	4	874·8	875·0	873·6	873·4	870·0	866·6	867·0	872·0	878·4	878·3	889·6	886·2	887·3
	5	876·0	873·0	870·4	866·5	865·7	870·0	875·9	883·1	892·5	892·8	891·1	893·0	880·4
	6	885·6	886·0	882·0	878·0	877·2	874·9	877·3	877·6	882·2	884·5	887·1	884·0	885·8
	7	883·0	883·0	880·0	879·0	875·4	878·3	884·5	884·2	886·1	885·3	887·9	892·6	879·8
	8	887·6	887·3	891·3	877·2	867·8	864·4	878·3	884·1	885·3	884·1	889·1	884·0	881·5
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	890·0	892·4	876·3	877·6	876·8	870·8	876·9	871·9	884·5	887·9	891·3	891·9	884·8
	11	888·0	882·0	883·9	885·5	878·7	877·0	880·7	884·6	885·0	894·0	891·2	902·7	905·5
	12	895·3	892·5	889·9	888·3	880·3	890·9	896·0	896·0	896·5	897·1	897·1	894·4	895·1
	13	890·0	896·0	893·0	887·3	886·0	888·5	886·0	888·3	890·3	899·6	896·1	884·8	896·4
	14	893·0	885·3	890·6	885·8	885·0	876·5	876·9	881·7	887·9	894·7	899·7	900·2	895·6
	15	895·0	887·3	890·9	891·0	883·4	883·2	882·0	886·1	887·3	890·1	899·6	907·9	898·0
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	896·9	891·9	886·1	887·7	892·8	893·8	893·7	895·0	896·6	897·0	896·2	894·3	895·2
	18	901·2	897·9	892·6	886·9	883·9	886·4	892·1	900·1	901·4	904·8	904·2	899·9	895·9
	19	898·9	900·5	898·9	896·1	892·4	890·4	890·4	900·4	908·0	909·4	904·5	907·1	901·3
	20	909·4	908·7	901·8	903·0	896·3	895·8	901·4	905·0	908·0	913·7	915·1	912·8	910·9
	21	909·0	909·0	908·0	905·0	902·3	902·0	906·0	906·4	914·3	912·1	919·7	918·7	914·0
	22	912·0	910·0	910·0	905·0	903·0	910·0	912·0	912·3	911·2	909·8	910·8	905·0	910·0
	23	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	910·3	909·0	909·4	910·0	904·8	905·8	905·0	916·4	909·6	918·7	900·3	905·3	916·1
	25	889·3	872·0	867·8	872·9	862·4	865·2	891·2	912·5	927·2	943·3	929·6	924·7	894·5
	26	901·0	899·3	888·9	893·0	891·8	900·8	904·9	916·0	911·9	906·9	905·6	905·0	899·6
	27	902·5	903·5	898·0	894·4	892·5	899·9	902·3	899·3	910·4	919·6	920·0	919·1	910·6
	28	909·3	901·0	905·6	900·0	913·9	915·3	912·8	916·2	920·6	921·2	920·4	908·2	910·1
	29	915·1	911·3	910·0	899·5	899·3	900·8	901·5	904·2	920·9	926·4	916·2	925·3	933·0
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	915·0	927·8	923·9	923·0	921·1	919·9	917·9	924·3	927·2	930·6	933·8	931·6	928·2
Hourly Means		894·62	893·13	890·21	887·53	884·60	885·20	888·95	893·24	897·92	901·93	901·62	900·92	898·31

TEMPERATURE OF THE BIFILAR MAGNET.

		0^h.	1^h.	2^h.	3^h.	4^h.	5^h.	6^h.	7^h.	8^h.	9^h.	10^h.	11^h.	12^h.
		°	°	°	°	°	°	°	°	°	°	°	°	°
JULY.	1	73·5	74·0	75·0	76·2	76·8	77·4	78·2	79·2	79·8	80·4	81·3	81·1	80·6
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	68·2	68·8	69·5	69·8	68·4	68·0	68·4	68·5	68·8	68·7	69·2	69·9	70·4
	4	65·5	65·5	65·5	66·9	67·6	68·0	68·5	68·8	69·2	69·5	69·8	62·6	69·2
	5	66·8	66·6	67·6	68·5	68·6	69·5	69·5	69·5	69·5	69·9	70·5	71·0	71·2
	6	65·4	66·0	67·0	67·8	68·5	69·5	69·5	69·7	70·4	70·8	71·5	71·8	71·8
	7	66·3	66·0	66·0	67·0	67·0	68·2	68·5	68·8	69·6	70·5	71·5	72·1	72·4
	8	67·5	68·0	69·0	70·0	70·8	72·0	72·3	72·6	73·5	75·0	75·2	75·6	75·7
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	69·4	69·8	69·8	69·8	70·6	71·2	71·9	72·5	73·0	73·5	73·5	73·5	73·2
	11	65·4	65·4	67·0	67·5	68·1	67·7	67·0	67·5	68·0	67·4	68·4	69·0	69·4
	12	63·0	64·0	65·0	66·0	67·0	67·5	68·2	68·6	69·2	69·8	70·6	71·0	71·0
	13	63·0	64·6	65·0	66·5	67·5	68·5	69·0	69·6	70·2	70·8	71·3	71·5	71·6
	14	66·2	67·0	67·6	68·5	70·0	71·0	71·8	72·4	73·2	74·0	74·5	74·8	74·8
	15	69·5	69·5	69·3	69·2	69·4	69·6	70·5	70·8	71·6	71·8	72·2	72·6	72·6
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	70·0	69·8	69·7	69·5	69·4	69·7	70·4	71·5	72·5	73·5	73·8	73·8	73·4
	18	71·5	71·8	73·8	74·0	74·5	74·8	75·5	76·2	77·0	77·6	78·0	78·6	78·5
	19	71·4	71·2	70·8	71·2	71·5	71·5	71·6	71·6	72·2	72·2	72·3	72·6	72·6
	20	66·0	66·5	67·5	68·1	68·5	68·8	69·0	68·8	69·0	69·3	69·8	70·2	70·8
	21	65·0	65·4	66·3	67·0	67·5	67·6	68·4	68·8	69·5	70·0	70·6	71·2	71·4
	22	66·0	67·0	68·0	69·0	69·7	70·4	71·0	71·8	72·8	73·8	74·5	74·5	74·2
	23	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	71·5	71·4	71·4	71·8	72·4	72·8	73·4	73·6	74·5	75·5	75·8	76·8	76·8
	25	68·6	69·4	70·3	71·5	72·2	72·3	72·2	72·5	73·0	73·6	74·3	74·5	74·4
	26	69·3	69·9	70·9	71·5	72·2	73·0	74·0	74·5	75·4	76·4	76·5	76·5	76·2
	27	71·0	71·6	72·6	73·5	74·0	74·2	74·4	74·5	74·8	74·8	74·8	74·8	74·8
	28	69·6	70·0	71·0	71·7	72·5	73·5	74·5	76·0	76·6	76·8	76·4	76·1	76·9
	29	72·5	72·5	72·3	72·0	72·0	72·0	72·0	72·0	72·0	72·3	72·4	72·5	72·8
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	65·5	66·5	67·0	68·0	68·7	68·8	69·0	69·3	69·6	69·6	69·8	70·2	70·5
Hourly Means		67·98	68·39	69·03	69·71	70·21	70·67	71·10	71·52	72·11	72·60	73·02	73·26	73·35

·00027.

	10h.	11h.
	Sc. Div.	Sc. Div.
8	863·5	858·8
	—	—
4	882·3	883·8
3	889·6	886·2
8	891·1	893·0
5	887·1	884·0
3	887·9	892·6
1	889·1	884·0
	—	—
9	891·3	891·9
0	891·2	902·1
1	897·1	894·4
6	896·1	884·8
7	899·7	900·2
1	899·6	907·9
	—	—
0	896·2	894·3
8	904·2	899·9
4	904·5	907·1
7	915·1	912·5
1	919·7	918·1
8	910·8	905·0
	—	—
7	900·3	905·3
3	929·6	924·1
9	905·6	905·0
6	920·0	919·1
2	920·4	908·2
4	916·2	925·3
	—	—
6	933·8	931·6
93	901·62	900·93

4	81·3	81·1
	—	—
7	69·2	69·9
5	69·8	62·6
9	70·5	71·0
8	71·5	71·8
5	71·5	72·1
0	75·2	75·6
	—	—
5	73·5	73·5
4	68·4	69·0
8	70·6	71·0
8	71·3	71·5
0	74·5	74·8
8	72·2	72·6
	—	—
5	73·8	73·8
6	78·0	78·6
2	72·3	72·6
3	69·8	70·2
0	70·6	71·2
8	74·5	74·5
	—	—
5	75·8	76·8
6	74·3	74·5
4	76·5	76·5
8	74·8	74·8
8	76·4	76·1
3	72·4	72·5
	—	—
6	69·8	70·2
60	73·02	73·26

HORIZONTAL FORCE.

One Scale Division = ·000099 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00027.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
866·0	848·7	847·0	853·3	844·6	849·9	—	—	—	—	—	—	855·43
—	—	—	—	—	—	867·0	867·6	865·0	873·9	874·0	871·2	
880·5	870·8	875·0	882·0	872·5	872·4	875·4	875·0	873·5	879·0	876·2	876·0	872·74
887·3	884·9	874·0	878·4	875·0	880·4	871·5	870·9	877·5	878·0	877·9	877·1	876·58
880·4	880·4	877·2	879·8	880·0	880·6	881·1	882·9	884·2	882·9	881·9	884·9	880·26
885·8	883·0	884·8	886·9	884·3	884·0	883·9	882·2	881·0	881·2	880·8	881·3	882·32
879·8	904·5	879·3	863·4	876·0	874·7	883·8	860·7	876·2	882·7	878·2	873·2	880·49
881·5	875·3	874·4	879·2	878·5	881·5	—	—	—	—	—	—	882·11
—	—	—	—	—	—	884·8	888·1	889·3	892·6	885·9	879·1	
884·8	879·9	883·6	882·6	880·8	886·2	888·1	887·2	885·2	890·3	885·0	883·3	883·80
905·5	884·4	891·1	889·5	892·3	892·8	893·0	894·6	893·4	894·1	894·3	895·0	889·72
895·1	894·9	887·5	883·8	892·8	891·2	892·0	895·5	893·4	893·9	894·2	894·1	892·86
896·4	896·4	895·8	895·2	887·4	886·4	884·7	895·7	895·0	895·0	896·1	896·0	891·92
895·6	890·7	890·3	890·7	893·0	883·4	888·5	892·5	893·0	890·6	892·6	893·5	889·90
898·0	898·6	890·3	893·0	892·4	888·7	—	—	—	—	—	—	893·69
—	—	—	—	—	—	898·1	897·6	903·2	900·7	899·0	899·1	
895·2	897·0	898·4	898·4	895·9	892·1	896·1	896·8	899·0	897·2	898·3	899·7	895·38
895·9	894·0	893·3	892·3	893·0	896·9	893·7	895·9	896·6	895·0	897·5	899·5	895·63
901·3	901·7	901·6	900·6	895·0	893·5	899·9	903·4	905·6	905·9	906·0	906·9	900·77
910·9	910·6	906·2	905·0	905·9	908·4	906·4	907·4	908·0	910·8	912·6	909·1	907·30
914·0	912·9	912·6	911·0	905·2	908·1	908·9	908·3	909·7	911·1	907·4	908·0	909·57
910·0	905·5	904·1	908·0	907·9	908·6	—	—	—	—	—	—	908·26
—	—	—	—	—	—	907·0	907·2	910·2	904·5	905·2	909·0	
916·1	908·0	902·1	897·8	909·8	909·1	908·6	907·0	892·1	889·5	885·9	881·4	904·67
894·5	889·8	882·9	872·7	878·6	892·2	895·5	891·5	900·1	896·0	893·0	898·9	893·49
899·6	894·3	895·0	897·1	898·6	908·9	901·0	890·6	898·1	902·4	898·6	899·0	900·35
910·6	907·3	897·4	895·7	895·9	907·2	908·8	909·3	909·7	910·3	912·5	911·0	905·72
910·1	910·8	912·4	910·0	913·7	905·8	905·6	907·8	908·9	909·4	909·9	909·0	910·76
933·0	917·1	912·1	910·8	912·4	921·0	—	—	—	—	—	—	914·01
—	—	—	—	—	—	912·4	911·6	914·4	918·6	919·4	920·0	
928·2	928·9	822·3	927·8	920·6	929·8	933·0	925·4	927·8	926·0	926·6	927·0	926·19
898·31	895·25	892·18	891·73	892·20	893·61	894·97	894·33	895·77	896·60	895·72	895·47	894·00

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
80·6	80·1	79·6	79·5	79·4	79·3	—	—	—	—	—	—	76·13
—	—	—	—	—	—	70·5	70·0	69·4	69·1	68·5	68·2	
70·4	70·6	70·5	70·0	69·6	69·2	68·5	67·8	67·4	67·1	66·8	65·5	68·73
69·2	68·8	68·6	68·8	68·4	68·5	68·4	68·2	68·2	68·0	67·6	68·0	68·13
71·2	71·0	70·5	69·6	69·0	68·7	68·2	68·0	67·2	66·5	66·0	65·5	68·70
71·8	71·6	70·8	70·2	70·0	69·5	69·1	69·0	68·6	68·5	68·2	66·0	69·22
72·4	71·9	71·2	71·0	70·6	70·2	69·8	69·3	68·6	68·4	68·0	67·0	69·16
75·7	75·0	74·2	74·0	72·6	72·2	—	—	—	—	—	—	72·02
—	—	—	—	—	—	71·2	71·0	71·0	70·6	70·0	69·4	
73·2	72·6	71·8	71·0	70·0	69·4	68·9	68·2	67·3	66·8	66·4	65·8	70·41
69·4	69·0	68·8	68·2	67·8	67·2	66·4	65·6	64·9	64·0	63·5	63·0	66·92
71·0	70·8	70·8	69·2	68·5	68·0	67·2	66·4	65·5	65·0	64·4	63·5	67·51
71·6	71·3	70·5	70·0	69·5	69·1	68·8	68·5	67·6	67·3	67·0	66·0	68·53
74·8	74·4	74·0	73·6	72·8	72·5	72·0	71·5	71·1	70·7	70·2	70·0	71·61
72·6	72·6	72·5	72·3	71·8	71·6	—	—	—	—	—	—	71·10
—	—	—	—	—	—	71·6	71·5	71·4	71·2	70·8	70·4	
73·4	73·0	72·7	72·6	72·3	72·1	71·8	71·5	71·2	71·1	70·8	70·5	71·52
78·5	78·2	77·3	76·5	76·1	75·2	74·9	74·3	73·8	73·2	72·6	72·0	75·25
72·6	72·1	71·3	70·9	70·2	69·5	68·6	68·0	67·5	67·0	66·6	65·6	70·42
70·8	70·8	70·3	69·6	69·0	68·4	67·6	66·8	66·1	65·5	64·8	64·5	68·15
71·4	71·0	70·4	69·9	69·2	68·6	68·1	67·5	67·2	66·8	66·5	66·0	68·33
74·2	74·0	73·0	72·8	72·5	72·4	—	—	—	—	—	—	71·82
—	—	—	—	—	—	73·4	73·3	73·2	72·4	72·1	71·9	
76·8	76·3	75·2	74·1	73·4	72·6	71·8	71·2	70·7	70·2	69·5	68·6	72·97
74·4	74·1	73·5	73·2	73·0	72·8	72·2	71·6	71·2	70·5	70·0	69·5	72·10
76·2	75·8	75·2	74·4	74·0	73·6	73·3	72·8	72·2	72·0	71·1	71·1	73·41
74·8	74·4	73·6	73·1	72·6	71·9	71·6	71·2	70·9	70·4	70·0	69·8	72·89
76·9	76·1	75·8	75·5	75·2	75·0	74·5	74·3	74·2	74·0	73·4	72·7	74·26
72·8	72·8	72·4	71·7	70·6	69·8	—	—	—	—	—	—	70·72
—	—	—	—	—	—	68·2	67·6	67·0	66·5	66·0	65·5	
70·5	70·5	69·7	65·4	66·2	66·0	66·0	66·2	66·4	66·3	65·8	65·0	67·75
73·35	73·03	72·47	71·81	71·32	70·90	70·10	69·67	69·22	68·81	68·33	61·73	70·68

HORIZONTAL FORCE.

One Scale Division = ·000099 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^{t} = ·00027.

Mean Göttingen Time.		0^h.	1^h.	2^h.	3^h.	4^h.	5^h.	6^h.	7^h.	8^h.	9^h.	10^h.	11^h.	12^h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
AUGUST.	1	926·5	927·0	923·5	921·0	920·3	920·5	922·1	928·3	936·1	944·4	943·6	935·6	932·9
	2	925·0	921·8	917·0	909·0	907·7	917·0	927·2	935·8	939·1	939·7	939·0	933·2	928·4
	3	925·5	926·0	922·6	922·0	517·9	926·0	933·9	935·9	945·2	935·5	931·9	939·0	929·3
	4	908·8	906·9	911·3	914·3	912·0	913·8	917·1	930·8	937·4	925·4*	924·3	919·6	914·5
	5	925·0	923·0	918·6	913·3	913·5	914·0	918·3	919·8	923·8	923·4	925·1	926·0	922·2
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	921·8	925·3	919·8	913·1	915·5	920·5	921·5	921·5	924·5	927·0	926·7	930·0	925·7
	8	924·0	922·8	920·9	908·3	916·3	916·5	910·4	912·3	913·1	911·8	920·0	924·6	928·3
	9	925·9	921·5	910·6	906·5	906·9	905·1	908·8	917·1	920·3	931·0	936·2	940·1	929·6
	10	927·0	922·5	915·8	905·5	906·8	913·6	916·9	929·4	930·8	930·9	933·4	933·5	931·8
	11	937·3	932·0	921·6	912·8	918·6	921·9	922·3	924·7	943·6	943·3	945·5	934·8	934·4
	12	937·0	934·0	920·0	915·1	922·3	922·4	918·9	924·7	929·4	932·7	939·0	932·0	930·0
	13	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	934·0	931·3	927·0	924·0	919·0	919·3	925·0	931·1	937·8	930·0	936·5	941·0	934·2
	15	935·5	933·3	928·4	925·0	920·5	915·0	918·8	923·9	928·3	933·0	938·7	941·8	935·4
	16	936·3	940·3	935·0	927·5	923·6	923·0	927·2	937·5	936·7	942·5	942·4	942·0	939·8
	17	940·5	940·0	937·0	930·3	926·0	930·5	936·0	942·3	948·5	947·9	947·0	947·2	940·7
	18	946·0	945·5	940·4	937·6	936·3	938·9	945·5	946·2	956·8	957·7	956·5	952·8	948·8
	19	949·0	948·0	941·9	941·0	938·0	941·8	944·5	949·7	949·8	949·8	945·1	949·8	948·3
	20	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	950·8	947·5	941·3	937·0	938·0	943·5	948·5	953·3	958·5	962·8	958·9	958·3	954·6
	22	960·0	952·5	958·5	946·3	945·1	940·5	938·3	961·6	957·4	854·0	985·1	964·2	954·3
	23	951·5	948·5	943·7	941·5	935·3	934·2	936·0	940·2	948·1	947·3	951·7	941·6	944·6
	24	945·0	947·3	942·8	945·5	939·8	946·5	949·3	950·6	957·1	953·8	951·9	950·9	952·8
	25	954·9	951·6	945·4	946·5	940·8	944·8	945·6	952·7	957·0	965·5	958·4	956·6	951·3
	26	946·0	945·8	939·6	932·3	928·4	933·0	942·9	953·9	959·2	954·0	953·8	940·1	945·0
	27	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	950·0	949·0	943·6	935·8	931·4	930·7	933·9	936·3	945·8	944·4	951·6	952·4	946·8
	29	954·1	954·5	949·0	942·0	936·5	934·5	941·0	947·1	951·1	956·8	957·4	955·0	954·5
	30	956·6	957·5	953·0	945·5	944·0	944·0	950·0	953·6	958·8	959·5	962·6	955·7	951·7
	31	954·0	954·0	948·6	944·0	942·2	946·5	944·6	948·9	956·1	960·1	956·7	957·2	951·1
Hourly Means		938·87	937·39	932·48	927·51	926·03	927·70	931·28	937·38	942·62	942·93	945·15	942·7	939·30

TEMPERATURE OF THE BIFILAR MAGNET.

AUGUST.	1	65°·5	66°·0	67°·0	68°·0	68°·4	68°·8	68°·5	68°·2	68°·2	68°·5	69°·0	69°·6	69°·8
	2	65·0	66·0	66·5	67·0	67·6	68·2	67·8	68·2	69·0	70·0	70·2	70·8	70·8
	3	65·2	66·0	66·7	68·0	68·6	70·0	70·2	71·0	71·9	72·8	73·4	74·0	74·0
	4	67·0	67·5	68·5	70·0	71·0	72·0	72·5	73·4	73·6	74·3*	74·5	74·8	74·8
	5	69·4	69·3	69·5	70·0	71·0	72·3	73·4	74·0	74·5	75·0	75·4	75·8	75·4
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	71·5	72·0	72·5	73·5	73·8	74·9	75·6	75·3	75·7	75·8	76·0	76·5	75·8
	8	71·5	71·5	71·5	71·7	72·0	72·5	73·0	73·4	73·8	74·0	74·5	74·8	75·0
	9	69·6	69·5	70·0	70·5	70·5	71·1	71·5	72·3	72·6	72·9	73·1	73·0	73·0
	10	69·1	69·5	70·3	71·3	72·0	73·0	73·7	74·4	74·7	75·0	75·2	75·2	75·0
	11	69·4	69·8	70·5	71·5	72·2	73·0	73·0	73·4	73·8	74·4	75·1	75·5	75·6
	12	70·0	70·0	71·0	71·6	72·8	74·0	75·0	75·4	75·9	76·4	76·6	77·0	77·0
	13	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	72·0	72·0	72·0	72·0	72·0	72·0	72·5	73·5	74·5	75·5	76·0	76·6	76·7
	15	70·5	71·0	72·0	72·5	73·0	73·5	73·8	73·8	73·7	74·0	74·2	74·1	74·0
	16	68·0	68·5	69·5	70·5	71·5	72·5	73·5	74·4	75·0	76·0	76·6	77·0	77·0
	17	72·0	72·0	72·0	72·5	72·6	73·4	74·0	74·0	74·5	75·0	75·4	75·4	75·2
	18	71·0	70·9	70·8	70·9	71·0	71·4	71·5	71·8	72·2	72·4	72·7	72·7	73·0
	19	67·0	67·0	67·3	67·7	68·5	69·5	69·7	70·1	70·4	70·4	70·5	70·5	70·5
	20	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	66·0	66·2	67·0	67·7	69·0	69·2	69·5	69·6	69·8	70·2	70·6	71·0	71·2
	22	65·0	64·7	65·8	67·0	68·0	69·0	69·5	69·6	70·0	70·4	70·6	71·0	71·0
	23	67·0	67·0	67·5	68·6	70·0	70·5	70·6	71·0	71·7	72·2	72·4	72·8	73·0
	24	66·0	66·5	67·5	68·5	69·5	70·0	70·4	70·7	71·4	71·8	72·4	72·5	72·7
	25	66·0	66·3	66·7	67·5	68·7	70·0	70·5	71·1	72·0	72·7	73·4	73·8	73·8
	26	69·2	69·0	69·2	70·0	70·6	72·0	73·4	74·6	75·6	76·4	76·6	77·2	77·2
	27	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	71·5	71·5	71·5	72·0	71·9	72·3	72·9	73·6	74·1	74·7	75·3	75·5	75·5
	29	70·5	71·0	71·5	72·6	74·0	74·7	75·0	75·5	76·0	76·4	76·5	77·2	76·4
	30	70·0	70·5	71·0	72 0	73·5	74·2	75·0	75·7	77·0	78·0	78·8	79·0	79·0
	31	74·0	74·0	74·5	75·5	76·5	77·4	78·0	78·5	79·0	79·6	80·3	80·9	80·7
Hourly Means		68·85	69·08	69·62	70·39	71·12	71·90	72·38	72·83	73 36	73·88	74·27	74·60	74·56

* Five minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000099 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00027.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
932·9	931·5	924·2	925·4	927·5	926·8	925·0	926·0	927·7	927·0	926·9	927·0	928·20
928·4	927·2	926·0	927·5	926·0	926·7	926·2	918·4	920·2	922·6	926·8	929·0	925·69
929·3	931·9	919·1	905·9	919·8	917·2	921·2	917·8	926·4	929·5	910·0	922·3	925·49
914·5	920·5	921·1	919·3	920·8	916·6	921·4	923·3	924·6	919·4	918·1	920·4	919·36
922·2	920·4	922·6	921·0	921·2	916·5	—	—	—	—	—	—	921·23
—	—	—	—	—	—	919·2	920·5	924·6	928·0	923·6	926·0	
925·7	928·7	923·0	918·1	913·7	917·0	923·0	925·8	926·1	927·7	933·2	921·0	923·05
928·3	914·3	908·3	922·1	920·7	918·0	914·6	908·6	922·1	927·9	920·8	912·8	917·48
929·6	929·8	928·2	926·0	927·5	928·0	927·3	931·7	932·2	929·1	930·2	930·3[b]	924·17
931·8	930·9	928·8	929·6	933·1	931·5	532·7	932·3	936·6	935·4	940·1	938·0	927·79
934·4	934·3	931·8	932·9	931·1	931·6	934·8	935·2	934·7	933·4	929·0	930·5	931·34
930·0	926·4	930·7	927·7	927·4	929·5	—	—	—	—	—	—	928·99
—	—	—	—	—	—	931·7	930·5	934·5	931·7	933·1	935·0	
934·2	937·8	934·9	933·8	933·9	934·0	934·6	931·4	931·7	937·2	934·3	938·0	932·16
935·4	939·1	938·4	935·2	937·1	936·0	938·5	936·0	938·6	941·1	939·0	939·8	933·33
939·8	940·8	936·2	934·0	934·3	936·9	938·9	936·6	941·4	940·1	939·8	940·3	936·38
940·7	938·5	936·6	937·1	934·5	931·8	935·7	934·9	938·5	941·0	942·3	943·0	938·66
948·8	945·0	945·0	944·1	943·2	940·6	941·4	947·1	948·4	949·0	948·5	950·6	946·33
948·3	949·0	945·8	949·1	946·0	947·8	—	—	—	—	—	—	947·08
—	—	—	—	—	—	948·0	949·9	949·3	947·6	949·0	951·8	
954·6	951·7	951·3	950·3	949·8	949·0	950·0	958·2	957·4	955·0	950·2	950·0	951·08
954·3	930·7	920·2	936·0	932·4	954·5	956·6	952·3	954·5	945·9	944·9	940·8	949·44
944·6	936·0	948·6	941·8	949·7	948·4	945·8	947·9	949·2	948·3	946·1	950·0	944·81
952·8	949·9	952·4	950·0	951·2	955·5	952·8	950·6	949·3	949·0	948·5	950·0	949·69
951·3	947·3	950·1	938·0	951·4	947·6	947·9	947·8	949·5	946·7	946·1	949·1	949·48
945·0	943·1	945·1	943·5	951·4	945·8	—	—	—	—	—	—	945·68
—	—	—	—	—	—	947·2	949·6	948·1	948·0	947·4	947·0	
946·8	949·2	946·1	948·5	955·4	951·8	951·0	952·0	951·0	950·6	951·5	953·0	946·32
954·5	953·4	952·4	952·2	952·3	953·8	954·0	955·9	956·0	956·7°	955·7	956·3	951·36
951·7	951·8	948·8	949·4	947·4	949·6	951·3	952·9	950·8	950·8	950·5	950·0	951·91
951·1	946·9	948·0	944·2	938·9	941·8	947·2	945·6	943·2	944·5	948·3	950·5	948·46
939·30	937·26	935·69	935·14	936 21	936·57	937·70	937·81	939·54	939·38	938·29	938·98	936·85

TEMPERATURE OF THE BIFILAR MAGNET.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
°	°	°	°	°	°	°	°	°	°	°	°	°
69·8	69·7	69·8	69·6	68·8	68·6	67·7	66·5	66·0	65·2	64·9	64·3	67·77
70·8	70·6	70·4	69·6	69·0	68·1	67·4	67·0	66·6	66·2	65·8	65·2	68·64
74·0	73·5	72·6	72·2	71·8	71·2	70·0	69·6	69·2	68·4	67·8	67·0	70·22
74·8	74·5	73·4	72·7	72·2	71·5	71·0	70·6	70·4	70·2	69·7	69·5	71·65
75·4	75·2	74·4	73·8	73·7	73·1	—	—	—	—	—	—	72·77
—	—	—	—	—	—	72·4	72·3	72·0	71·7	71·4	71·5	
75·8	75·5	74·8	74·4	74·2	74·0	73·6	73·1	72·9	72·4	72·2	72·0	74·08
75·0	75·0	74·8	74·5	74·1	73·7	73·1	72·5	72·0	71·4	70·6	70·0	72·95
73·0	73·0	72·5	72·2	71·8	71·5	70·9	70·4	70·2	70·0	69·6	69·3[b]	71·29
75·0	74·8	74·5	73·8	73·2	72·6	72·0	71·7	71·0	70·4	70·0	69·5	72·58
75·6	75·6	75·1	74·6	74·0	73·7	72·8	72·4	72·0	71·7	71·0	70·6	72·95
77·0	76·6	76·1	75·8	75·2	75·0	—	—	—	—	—	—	74·06
—	—	—	—	—	—	73·6	73·2	72·8	72·4	72·1	72·0	
76·7	76·3	75·9	75·3	74·7	74·2	73·8	72·8	72·5	72·0	71·5	70·5	73·62
74·0	73·8	73·2	72·7	72·2	71·8	71·5	70·8	70·4	70·2	69·6	69·0	72·30
77·0	76·8	76·1	75·6	75·2	74·6	74·2	73·5	73·1	72·8	72·5	72·3	73·61
75·2	75·0	74·6	74·2	74·0	73·4	73·1	72·8	72·7	72·4	72·2	71·5	73·50
73·0	72·7	72·1	71·7	71·4	71·0	70·5	69·2	68·8	68·6	68·2	67·5	71·00
70·5	70·4	69·8	69·6	69·0	68·5	—	—	—	—	—	—	68·70
—	—	—	—	—	—	68·0	67·7	67·2	66·8	66·6	66·0	
71·2	70·8	70·0	69·4	69·0	68·8	67·9	67·2	66·8	66·5	65·8	65·0	68·51
71·0	71·0	70·8	70·6	70·5	70·2	69·6	69·5	69·4	68·4	67·7	67·2	69·02
73·0	72·6	72·2	71·5	70·6	70·2	9·8	69·5	69·2	68·4	67·2	66·5	70·08
72·7	72·0	71·5	71·0	70·8	69·9	69·0	68·6	68·2	68·0	67·5	66·5	69·70
73·8	73·8	73·0	72·8	·5	72·0	71·5	71·2	70·6	70·3	70·0	69·5	70·82
77·2	76·4	76·0	75·7	74·5	74·1	—	—	—	—	—	—	73·46
—	—	—	—	—	—	73·0	73·0	72·6	72·5	72·2	72·0	
75·5	75·5	75·3	74·6	73·5	73·2	72·9	72·2	71·9	71·5	71·3	71·0	73·13
76·4	75·6	75·2	74·3	74·0	73·4	73·0	72·5	72·0	71·5[c]	71·0	70·5	73·76
79·0	78·3	77·7	77·5	78·8	76·7	76·1	75·4	75·2	74·8	74·6	74·2	75·47
80·7	80·5	79·8	79·2		78·0	77·6	77·0	76·6	76·1	75·6	75·2	77·64
74·56	74·28	73·76	73·29	72·80	72·33	71·70	71·19	70·83	70·40	69·99	69·46	71·95

[b] Eight minutes late.

[c] Two minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000099 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00027.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	12h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
SEPTEMBER.	1	951·0	950·0	444·6	929·8	934·5	943·0	942·6	957·1	956·0	938·0	944·0	948·7	945·9
	2	950·2	954·0	947·8	940·9	952·0	949·0	946·0	954·9	958·2	965·2	938·8	951·9	942·0
	3	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	949·0	949·7	941·4	941·0	937·5	944·0	946·0	949·4	951·4	952·1	943·6	942·4	945·6
	5	950·0	949·8	946·0	941·5	944·5	948·0	949·9	953·9	957·2	958·6	957·8	959·2	958·8
	6	961·4	961·3	956·6	952·0	945·8	944·5	947·5	956·2	963·4	969·0	965·0	965·5	966·9
	7	963·0	965·0	957·9	953·0	947·9	951·9	950·2	961·9	967·7	969·7	968·4	967·3	965·3
	8	966·1	958·3	955·5	954·0	950·5	950·3	957·8	964·0	971·2	972·2	965·7	963·0	900·4
	9	971·5	976·0	967·4	947·9	951·5	950·9	969·1	976·1	978·1	981·3	981·7	974·9	977·8
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	985·0	986·0	979·0	971·0	968·0	970·0	979·0	984·2	991·7	995·9	987·8	985·9	980·0
	12	986·0	984·5	980·3	980·0	976·8	977·0	978·0	984·1	994·0	984·1	989·8	978·6	978·0
	13	988·0	987·0	981·4	973·0	973·0[a]	974·0	977·5	983·6	990·4	995·5	987·0	980·4	981·8
	14	989·0	986·0	980·6	973·5	972·5[b]	979·0[b]	982·0	994·5	988·4	991·2	986·9	975·9	983·9
	15	989·0	985·0	975·0	970·0	976·8	976·0	980·0	981·7	981·1	983·3	983·8	984·3	982·0
	16	983·0	979·5	971·2	969·8	970·5	973·0	971·0	974·7	980·7	984·3	982·4	979·8	973·9
	17	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	982·5	980·3	972·0	973·0	969·0	965·8	961·3	976·4	973·5	981·5	974·5	977·4	977·0
	19	972·0	469·7	972·0	963·0	963·0	961·0	968·0	963·3	973·1	970·7	986·3	977·1	975·7
	20	974·0	980·0	978·0	972·2	966·2	961·0	971·3	975·7	973·7	982·8	975·9	981·4	982·0
	21	982·1	983·8	977·3	968·3	967·0	964·6	965·8	975·1	967·9	980·0	981·2	985·7	986·8
	22	988·0	988·0	984·9	984·5	958·8	976·0	982·0	988·1	965·0	994·1	990·9	982·1	980·5
	23	990·3	981·5	986·8	985·0	983·0	982·1	982·8	989·1	994·5	991·3	990·4	987·8	990·4
	24	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	992·0	992·5	986·4	980·1	974·8	973·5	979·6	984·9	994·4	999·6	999·2	998·5	997·8
	26	999·5	999·6	996·1	987·5	984·0	979·5	986·0	994·6	999·5[d]	1003·3	1005 3	999·5	1004·1
	27	1009·0	1007 0	1003·5	998·0	994·2	992·5	1002·8	998·7	1002·7	1009·2	1008·1	1015·4	1012·5
	28	1022·0	1014·0	1008·5	1000·7	999·0	997·3	997·3	998·8	1003·1	1005·9	1010·4	1011·0	1006·5
	29	1018·0	1016·0	1014·1	1111·0	1010·0	1006·2	996·0	997·9	998·3	1002·8	1010·0	1007·7	997·1
	30	1013·2	1016·0	993·4	992·5	999·3	997·9	991·3	993·6	997·0	1002·5	1006·2	1010·0	999·1
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		981·72	980·79	975·27	969·74	968·08	968.88	971·82	977·40	980·85	983·23	981·97	980·44	978·92

TEMPERATURE OF THE BIFILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°	°
SEPTEMBER.	1	74·8	74·5	74·5	74·5	74·8	75·2	76·0	76·5	77·5	77·5	78·5	78·6	78·6
	2	74·7	74·7	74·7	74·5	74·0	75·5	76·1	77·2	78 6	79·0	79·2	79·2	79·2
	3	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	77·5	77·0	76·5	76·6	77·3	77·4	78·0	78·6	79·4	80·2	80·5	80·2	79·5
	5	73·5	73·0	72·0	72·3	72·5	73·0	73·4	73·6	74·0	74·2	74·6	74·5	74·2
	6	70·0	69·3	69·3	69·5	70·0	70·5	71·2	71·4	72·0	72·0	72·2	72·0	72·0
	7	70·5	70·0	70·0	70·3	70·5	71·5	72·0	72·2	72·8	73·0	73·0	73·2	73·2
	8	69·5	69·3	69·2	69·5	69·8	70·3	71·0	71·7	72·0	72·6	73·2	73·2	73·0
	9	65·2	65·5	66·5	66·8	66·6	66·5	66·3	66·1	66·5	67·0	67·5	67·8	67·4
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	57·2	58·0	58·6	59·5	60·5	61·5	61·7	62·2	62·4	62·6	62·9	63·3	63·3
	12	57·0	57·0	57·6	58·5	59·5	60·5	61·0	61·3	61·9	62·4	62·6	62·8	63·0
	13	57·0	57·0	57·6	58·2	59·0[c]	59·2	59·7	59·8	60·2	60·7	60·5	60·5	60·4
	14	69·0	60·0	60·0	59·5	59·5[b]	59·5[b]	59·7	60·0	60·2	60·4	60·7	60·4	60·2
	15	61·5	61·6	61·6	62·0	62·0	62·5	63·0	63·2	63·5	64·4	65·3	66·0	66·4
	16	63·0	63·5	64·5	65·0	65·5	66·6	66·6	66·8	67·2	67·6	68·4	68·6	68·4
	17	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	68·6	68·6	69·4	70·6	70·5	71·0	72·0	72·2	73·0	73·0	73·0	73·0	72·4
	19	65·6	65·0	66·0	66·6	67·5	68·0	68·4	68·8	69·0	68·8	68·8	68·9	68·6
	20	65·0	65·2	66·2	67·0	67·2	67·2	67·2	67·3	67·6	68·2	68·8	68·9	68·5
	21	66·5	67·0	68·0	69·5	71·8	72·7	73·8	74·8	76·3	77·4	78·2	77·5	76·8
	22	66·5	66·5	67·0	67·5	67·5	67·6	67·3	67·1	67·0	67·0	67·0	66·6	66·2
	23	63·5	63·5	63·5	63·8	64·0	64·4	65·5	66·8	68·0	68·8	69·7	70·4	70·9
	24	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	67·0	66·5	66·0	66·0	25·5	65·5	65·5	65·5	65·4	65·4	65·4	65·2	65·0
	26	61·0	60·5	60·0	60·5	60·5	60·5	60·5	60·4	60·4[d]	60·6	60·8	60·4	59·7
	27	65·5	55·0	54·5	55·0	55·5	56·0	56·5	56·5	56·5	56·5	57·4	57·5	57·2
	28	53·0	52·5	52·5	52·5	53·0	53·6	55·0	56·5	57·4	58·2	58·8	58·8	58·8
	29	55·0	55·0	55·0	55·5	56·5	57·5	58·5	58·6	59·4	60·2	61·2	61·2	61·2
	30	57·0	57·0	57·5	58·0	58·0	59·7	60·5	61·1	61·6	62·2	62·5	62·5	62 2
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		64·45	64·33	64·55	64·95	65·38	65·90	66·40	66·78	67·30	67·69	68·10	68·12	67·93

[a] Three minutes late. [b] Five minutes late. [c] Seven minutes late. [d] Twelve minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000099 parts of the H. F. Change in the magnetic moment of the Bar for 1°Fah. = ·00027.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
945·0	934·9	928·3	941·9	945·0	950·4	942·8	938·5	636·3	938·5	038·4	943·8	942·67
942·0	944·9	942·7	949·7	950·0	950·1	—	—	—	—	—	—	948·84
—	—	—	—	—	—	945·8	948·8	945·8	944·5	949·9	949·8	
945·6	948·1	951·2	948·0	951·8	950·7	950·0	941·3	944·8	943·4	949·5	956·0	947·60
958·8	954·4	954·2	957·4	954·0	959·8	958·3	960·6	943·5	951·5	947·1	951·0	952·79
966·9	966·3	966·0	958·2	967·6	955·2	960·9	965·0	967·1	965·3	968·2	966·5	960·89
965·3	965·7	966·0	965·7	964·5	963·8	962·2	960·1	968·3	967·4	988·0	966·3	963·32
900·4	961·9	963·1	961·1	960·8	960·5	967·1	961·6	968·2	970·7	971·2	966·8	962·58
977·8	976·8	978·5	977·1	975·3	976·2	—	—	—	—	—	—	973·39
—	—	—	—	—	—	981·5	979·5	973·6	972·7	984·9	981·0	
980·0	983·9	985·0	981·2	984·8	981·7	978·5	984·5	985·9	986·0	983·2	984·0	982·72
978·0	979·5	982·0	983·8	980·1	960·8	960·2	980·0	985·4	985·0	984·9	989·5	982·14
981·8	980·8	984·1	983·8	984·9	986·9	946·6	986·6	986·0	985·8	986·2	979·5	983·49
983·9	988·0	987·2	986·5	983·5	986·0	987·3	987·1	988·0	688·5	989·3	989·1	985·16
982·0	977·8	978·0	980·0	975·6	978·6	979·0	978·8	979·8	980·0	981·5	982·0	980·09
973·9	977·0	979·2	976·0	969·5	971·2	—	—	—	—	—	—	977·33
—	—	—	—	—	—	976·5	979·8	980·2	987·2	981·0	981·5	
977·0	975·3	972·2	971·2	977·2	969·0	970·8	968·8	974·8	971·5	974·5	972·1	973·40
975·7	976·4	979·7	978·6	978·0	976·0	978·8°	978·0	977·7	979·0	981·4	979.5	974·08
982·0	980·9	980·2	974·4	977·6	978·8	983·7	978·0	976·7	978·4	973·3	974.3	976·27
986·8	985·8	990·0	992·0	993·8	990·1	981·2	980·7	980·0	981·9	985·4	990·5	980·71
980·5	988·8	991·5	990·1	989·8	989·6	995·1	992·1	993·9	991·7	991·5	992·0	987·46
990·4	990·7	990·5	990·0	990·5	990·2	—	—	—	—	—	—	989·25
—	—	—	—	—	—	989·9	990·1	994·3	994·0	994·3	992·5	
997·8	997·7	995·0	995·2	996·0	995·6	995·0	997·0	994·8	995·2	999·0	998·5	992·18
1004·1	1002·7	997·0	999·5	998·6	1003·2	1008·9	1008·5	1010·5	1010·0	1011·7	1011·5	1000·02
1012·5	1008·1	989·7	998·2	1003·3	995·5	987·2	989·4	1004·2	1009·0	1009·5	1017·0	1003·07
1006·5	1000·7	998·0	1000·9	1002·3	1003·0	1006·0	1005·2	1004·6	1004·8	1007·7	1015·0	1005·11
997·1	998·4	1002·5	993·2	992·3	992·6	999·9	1004·6	1008·0	1006·6	1010·9	1006·2	1004·18
999·1	983·9	982·0	998·9	996·9	998·0	—	—	—	—	—	—	998·90
—	—	—	—	—	—	995·1	998·9	997·0	999·5	1003·5	1008·0	
978·92	978·05	977·45	978·41	978·60	977·79	978·78	978·83	979·59	980.27	981·77	982·46	977·96

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
78·6	78·2	77·8	77·4	77·0	76·5	76·5	76·5	76·2	76·0	76·0	75·0	76·44
79·2	79·0	78·7	78·4	78·0	78·0	—	—	—	—	—	—	77·47
—	—	—	—	—	—	79·3	79·0	78·6	78·2	78·0	77·5	
79·5	78·5	78·0	77·0	66·5	76·0	75·3	75·0	74·7	74·2	74·0	73·5	77·14
74·2	73·5	73·1	72·9	72·2	71·8	71·5	71·2	70·4	70·2	70·0	70·0	72·57
72·0	71·8	71·8	71·6	71·6	71·6	71·4	71·0	70·8	70·5	70·5	70·5	71·02
73·2	72·7	72·5	72·0	71·8	71·5	71·0	70·2	70·0	70·0	69·7	69·5	71·38
73·0	72·4	71·5	70·8	70·0	69·0	68·5	67·8	67·5	66·9	66·4	65·7	70·03
67·4	66·6	66·2	65·6	65·2	64·8	—	—	—	—	—	—	64·45
—	—	—	—	—	—	59·5	59·5	59·0	58·5	58·2	58·0	
63·3	62·8	62·0	61·5	61·0	60·0	59·5	58·8	58·4	58·0	57·5	57·0	60·42
63·0	62·2	61·8	61·0	60·2	59·6	59·0	58·5	58·0	57·5	57·2	57·0	59·88
60·4	60·2	60·2	60·0	59·7	59·7	59·9	59·4	59·2	59·8	60·2	60·0	59·50
60·2	59·9	60·0	59·8	59·6	59·8	60·2	60·4	60·9	61·2	61·5	61·3	60·20
66·4	66·0	65·5	65·2	64·8	64·6	64·5	64·1	64·0	63·8	63·4	63·5	63·85
68·4	68·0	67·5	67·2	66·8	66·0	—	—	—	—	—	—	67·12
—	—	—	—	—	—	69·2	69·2	69·0	69·0	68·8	68·6	
72·4	71·7	71·0	70·4	70·2	68·6	68·2	67·5	67·2	66·8	66·2	66·0	70·02
68·6	68·4	68·2	67·5	67·4	67·0	66·5°	66·1	66·0	55·7	65·5	65·5	67·24
68·5	68·2	68·3	68·2	68·2	68·0	67·8	67·6	67·4	67·2	66·9	66·8	67·45
76·8	75·5	74·5	73·4	73·0	72·4	71·3	71·0	69·6	68·8	68·1	67·5	72·31
66·2	65·8	65·5	65·4	65·0	64·4	64·3	64·0	64·2	64·0	64·0	63·5	65·87
70·9	70·5	70·5	70·0	70·0	69·8	—	—	—	—	—	—	67·60
—	—	—	—	—	—	69·2	69·2	68·2	67·3	67·4	67·4	
65·0	64·8	64·4	64·2	63·9	63·5	63·1	62·8	62·5	62·2	61·6	61·5	64·52
59·7	58·8	58·5	58·2	57·8	57·1	57·0	56·6	56·4	56·4	56·2	55·5	58·93
57·2	57·2	57·0	56·8	56·5	56·2	55·4	54·5	54·3	54·0	53·6	53·5	55·78
58·8	58·2	57·8	57·3	56·8	56·4	56·0	55·4	55·0	54·7	55·0	55·0	55·76
61·2	60·8	60·5	60·2	59·8	59·7	59·3	58·6	58·5	58·4	58·0	57·5	58·59
62 2	62·0	62·0	61·4	61·4	61·2	—	—	—	—	—	—	60·60
—	—	—	—	—	—	61·7	61·5	61·0	61·0	60·5	60·0	
67·93	67·45	67·11	66·67	66·32	65·89	65·58	65·21	64·88	64·63	64·40	64·11	66·01

HORIZONTAL FORCE.

From 1st to 9th. One Scale Division = ·000099 parts of the H. F.
From 11th to 31st. One Scale Division = ·000087 parts of the H. F.

Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

	Mean Göttingen Time.	0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
OCTOBER.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	483·1	480·1	475·3	477·6	471·9	474·3	476·7	473·1	481·1	482·3	477·9	480·3
	3	466·4	485·1	478·7	474·1	476·0	473·7	476·5	478·1	473·8	485·1	485·1	485·1
	4	492·6	489·3	487·1	479·1	485·6	486·6	482·6	486·3	485·9	485·6	486·3	486·6
	5	490·8	502·6	487·0	486·0	479·6	463·2	473·1	480·7	479·5	469·8	486 2	486·1
	6	485·1	486·3	480·8	476·1	470·1	470·6	474·1	479·3	483·1	485·1	478·9	475·4
	7	485·1	478·1	472·7	464·1	458·1	460·6	466·6	468·6	477·9	479·3	482·0	484·8
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	493·1	488·6	484·0	477·3	470·5	466·6	468·6	480·8	486·2	488·7	490·5	493·3
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	491·0	490·0	485·0	477·7	471·5	471·0	476·0	476·2	477·5	482·5	489·0	491·5
	12	490·0	487·5	485·8	483·5	479·8	476·0	479·3	476·5	478·2	479·0	476·5	479·6
	13	488·8	491·5	492·1	481·0	481·0	480·0	479·0	481·4	483·5	488·5	492·4	493·8
	14	498·5	496·5	497·9	495·6	492·0	487·9	486·4	490·4	489·6	485·4	497·0	488·0
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	489·5	496·5	495·3	481·3	483·0	482·5	491·0	480·4	499·4	496·2	489·1	495 0
	17	495·8	488·0	459·0	493·0	490·5	484·0	491·6	591·8	500·8	499·0	497·3	497·0
	18	480·0	480·0	496·0	498·8	500·0	496·3	497·5	501·6	499·3	497·0	494·2	488 4
	19	495·0	493·5	490·8	492·4	495·6	495·4	493·7	496·1	492·6	488·7	487·9	492·5
	20	497·5	491·0	492·0	490·4	489·5	484·0	482·0	477·9	478·9	484·3	491·5	490·1
	21	488·3	487·5	484·6	480·0	476·2	476·0	478·2	480·2	484·2	488·0	491·2	489·6
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	505·0	503·5	499·0	493·0	490·3	490·0	491·6	498·4	504·3	508·1[a]	507·0	503·2
	24	504·0	503·0	502·0	502·0	499·8	498·2	497·5	497·1	499·8	500·0	502 0	497·8
	25	503·0	500·5	498·6	493·0	489·5	492·0	495·8	495 8	498·6	501·8	501·6	496 9
	26	490·8	503·0	503·3	495·8	484·0	476·6	479·8	474·5	489·2	500·0	488·7	491·9
	27	500·3	490·0	496·9	491·5	486·5	485·5[b]	486·0	488·8	495·0	497·6	500·2	500 0
	28	500·5	506·0	503·6	495·9	487·5	483·8	484·6	489·5	494·1	496·5	499·8	502·5
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	501·0	505·0	495·0	496·0	491·0	495·0	490·5[c]	492·8	495·5	492·0	498·1	503·5
	31	512·5	512·0	507·4	501·8	500·3	494·9	491·4	492·6	493·9	499·6	504·3	502·8
Hourly Means		493·23	493·40	490·00	487·08	483·99	481·79	483 60	485·16	488·90	490·40	491·79	491·83

TEMPERATURE OF THE BIFILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
OCTOBER.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	60·5	60·5	61·0	61·0	61·2	61·2	61·2	61·3	61·8	62·3	62·6	62·7
	3	57·8	57·6	57·6	58·0	58·4	58·6	59·0	59·0	58·8	59·8	58·8	59·0
	4	54·5	54·5	55·0	55·5	56·0	56·6	57·0	57·0	57·5	57·7	58·3	58·5
	5	53·5	53·8	54·8	56·0	56·5	57·0	57·2	57·6	58·4	59·4	60·0	59·9
	6	55·6	56·0	56·5	57·0	58·0	58·5	59·5	59·9	61·0	61·5	61·6	61·5
	7	60·5	60·5	60·5	60·5	60·5	60·5	60·5	60·5	60·4	60·4	60·6	60·6
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	52·8	52·5	52·5	53·0	53·5	54·0	54·0	54·3	55·0	55·4	55·7	55·6
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	56·5	56·5	56·5	56·5	56·5	56·5	57·0	57·4	57·6	57·8	57·7	57·7
	12	57·5	57·2	57·5	58·5	58·7	59·0	59·0	58·9	59·1	59·4	59·8	60·0
	13	53·6	53·5	53·5	53·7	54·5	55·0	55·5	56·1	56·5	56·7	56·9	56·8
	14	52·0	52·0	53·0	53·5	53·0	53·1	53·7	54·2	54·2	54·0	54·0	53·7
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	49·0	49·0	49·0	49·0	50·0	50·5	51·0	51·5	51·9	52·0	52·4	52·6
	17	51·5	51·5	51·1	51·5	51·9	52·0	52·5	52·5	52·8	53·0	53·0	53·0
	18	51·5	51·0	51·0	51·0	51·5	52·0	52·9	52·9	53·0	53·3	53·6	53·8
	19	53·8	53·2	54·0	54·5	55·0	55·0	55·2	54·9	54·5	55·7	56·0	56·4
	20	54·0	53·8	53·5	54·0	54·3	55·0	56·0	56·4	57·0	57·5	58·4	58·4
	21	58·0	57·8	58·0	58·0	57·9	58·0	58·1	58·1	58·0	58·0	57·7	57·4
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	47·6	47·4	48·2	49·0	49·6	50·2	50·7	51·0	51·5	52·2[a]	53·0	52·9
	24	47·5	47·5	46·5	47·5	48·8	50·0	50·5	51·2	51·5	52·4	53·0	53·0
	25	49·5	49·5	49·5	50·0	50·5	51·5	51·5	51·7	51·8	52·4	52·6	52·2
	26	48·5	48·0	47·5	48·0	49·0	49·4	49·5	50·0	50·4	50·6	50·5	50·3
	27	48·5	47·6	47·0	46·8	47·0	47·5[b]	47·7	47·5	48·0	48·1	48·4	48·4
	28	47·2	47·0	47·5	48·0	48·6	49·5	49·6	50·2	50·6	51·4	51·4	51·0
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	46·5	46·0	46·0	46·0	46·5	46·9	47·0[c]	47·1	47·3	47·8	48·2	48·0
	31	45·0	44·8	45·0	45·8	45·8	46·4	47·0	47·3	47·5	47·0	47·5	47·0
Hourly Means		52·52	52·35	52·49	52·89	53·35	53 77	54·11	54·34	54·64	55·01	55·27	55·22

[a] Nine minutes late. [b] Two minutes late. [c] Four minutes late.

HORIZONTAL FORCE.

From 1st to 9th, One Scale Division = ·000099 parts of the H. F.
From 11th to 31st, One Scale Division = ·000087 parts of the H. F.
} Change in the magnetic moment of the Bar for 1° Fahr. = ·000234.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
—	—	—	—	—	—	—	—	—	—	—	—	—
464·4	477·1	476·4	476·6	475·5	473·0	472·3	474·3	462·7	469·7	475·8	464·6	474·84
482·1	482·3	481·5	482·0	482·3	479·1	485·2	485·1	482·1	485·8	489·3	493·1	481·15
488·4	488·7	488·0	492·1	475·7	475·0	471·8	472·7	472·9	472·8	481·2	485·8	483·28
485·2	485·1	470·6	465·7	468·8	472·4	478·6	480·4	481·8	482·6	485·1	486·1	480·29
477·0	481·3	479·1	474·4	468·3	476·9	474·8	486·5	486·1	486·6	485·1	485·1	479·42
485·1	485·1	480·1	480·3	481·5	485·4	—	—	—	—	—	—	479·81
—	—	—	—	—	—	483·9	480·6	487·7	496·5	494·1	488·3	
493·3	493·9	493·1	492·6	491·5	491·7	491·3	492·1	493·3	488·4	492·6	490·8	487·20
—	—	—	—	—	—	—	—	—	—	—	—	—
490·0	488·4	488·8	489·2	488·8	490·6	489·8	489·5	490·0	489·5	489·0	490·0	485·52
480·9	481·0	476·2	482·0	486·0	484·0	483·8	482·9	487·5	488·2	490·8	489·0	482·67
489·5	489·4	488·8	489·0	486·8	479·3	489·8	485·5	487·3	488·9	497·4	505·0	487·90
482·5	471·0	485·5	484·8	485·5	488·2	—	—	—	—	—	490·8	489·05
—	—	—	—	—	—	486·1	482·8	490·0	495·0	489·8		
493·9	492·3	496·8	497·0	495·0	498·0	496·5	496·0	491·2	491·3	486·6	497·5	492·14
481·0	484·0	484·8	489·1	488·8	490·5	495·7	495·6	488·5	498·5	500·5	485·0	490·41
490·4	492·4	493·3	484·3	491·5	475·0	491·0	492·9	491·6	493·5	495·0	496·4	492·35
493·0	492·6	494·8	486·1	496·0	475·0	475·9	479·1	481·6	485·1	486·0	490·0	489·56
487·9	486·0	486·2	480·1	485·4	488·9	487·2	488·1	488·5	489·4	488·5	489·5	487·37
491·6	491·5	490·2	491·2	492·8	493·8	—	—	—	—	—	500·0	489·44
—	—	—	—	—	—	499·4	497·6	499·6	495·6	498·6		
502·3	501·8	501·2	500·5	498·6	498·5	497·8	502·2	504·6	505·0	504·9	503·6	500·60
497·8	499·5	501·0	500·9	499·0	496·9	496·6	493·7	489·0	489·7	502·6	501·5	498·81
497·8	498·9	501·7	500·0	502·0	502·1	498·1	497·3	498·6	495·9	500·7	496·6	498·20
498·9	494·1	494·7	495·8	492·6	491·8	490·0	498·8	499·2	500·7	500·2	503·5	493·25
500·9	501·2	499·7	499·5	498·4	500·6	500·8	500·0	501·1	500·5	502·0	503·0	496·92
503·8	501·1	502·0	502·0	503·4	502·4	—	—	—	—	—	—	499·23
—	—	—	—	—	—	500·9	502·1	504·6	507·8	503·2	504·0	
498·4	499·0	500·1	500·0	498·7	502·3	498·0	501·1	503·9	501·1	504·2	508·0	498·88
501·9	502·3	499·3	500·1	499·3	496·9	496·7	503·9	499·9	497·5	501·9	504·0	500·72
490·32	490·40	490·24	489·40	489·29	488·33	489·28	490·79	490·53	491·82	493·80	494·05	489·56

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
—	—	—	—	—	—	—	—	—	—	—	—	—
62·5	62·1	61·5	61·0	60·5	60·0	59·8	59·2	58·8	58·6	58·4	58·0	60·74
58·2	57·8	57·2	57·0	56·6	56·4	56·2	55·7	55·0	55·1	54·8	54·5	57·33
58·4	57·8	57·4	57·2	56·5	56·0	55·7	55·0	55·0	54·6	54·5	54·0	56·26
59·7	59·2	58·8	58·7	58·4	58·0	57·6	57·4	57·2	57·0	56·8	56·0	57·45
61·2	61·0	61·0	60·8	60·8	60·6	60·6	60·5	60·5	60·4	60·4	60·5	59·79
60·6	60·8	61·0	61·0	60·7	60·5	—	—	—	—	—	—	58·94
—	—	—	—	—	—	54·8	54·8	54·2	53·7	53·5	53·0	
55·5	55·5	55·5	55·6	55·6	55·6	55·5	55·5	54·6	54·0	53·7	53·4	54·51
—	—	—	—	—	—	—	—	—	—	—	—	—
58·0	58·0	57·7	57·6	57·5	57·8	57·8	58·2	58·2	58·0	57·8	57·6	57·43
60·0	59·2	58·5	58·2	57·5	56·8	56·3	55·6	55·0	54·8	54·3	54·2	57·71
56·2	55·6	55·5	55·4	55·0	54·5	54·0	53·6	53·5	53·3	53·0	52·5	54·77
53·5	53·2	53·0	52·8	52·5	52·0	—	—	—	—	—	—	52·02
—	—	—	—	—	—	48·5	48·5	48·6	48·4	48·2	48·6	
52·4	52·5	52·6	52·0	51·6	51·5	51·5	51·3	51·2	51·7	52·0	51·5	51·24
52·5	52·4	52·0	51·6	51·4	51·0	51·0	51·4	51·5	51·5	51·2	51·5	51·89
54·2	54·0	54·5	54·5	54·5	54·5	54·5	54·6	54·2	54·2	53·8	54·0	53·29
56·0	55·4	54·6	54·0	53·7	53·5	53·3	53·1	53·3	53·4	53·5	54·0	54·42
58·2	58·0	58·0	58·0	58·0	58·0	58·0	58·2	58·2	58·0	58·0	58·0	56·87
56·6	56·0	55·5	55·0	55·0	54·6	—	—	—	—	—	—	55·02
—	—	—	—	—	—	49·5	49·2	49·0	48·7	48·5	48·0	
52·7	52·5	51·3	50·5	50·2	50·0	49·5	49·0	48·6	48·0	48·0	47·7	50·05
52·8	52·7	52·2	51·7	51·0	50·4	50·0	49·5	49·4	49·4	49·2	49·5	50·30
51·6	51·2	51·0	50·5	49·8	49·4	49·0	47·8	47·9	48·8	48·8	48·8	50·30
50·1	50·0	49·6	49·4	49·2	49·0	48·7	48·6	48·6	48·8	48·8	48·5	49·21
48·5	48·5	48·5	48·8	48·4	48·0	48·6	48·2	48·0	47·7	47·4	47·4	47·94
50·2	50·0	49·	49·0	48·7	48·6	—	—	—	—	—	—	48·68
—	—	—	—	—	—	46·5	46·5	46·8	47·0	47·0	46·5	
47·6	47·2	47·0	46·8	46·0	46·4	46·2	45·3	45·1	45·2	45·1	45·0	46·51
46·8	46·5	46·4	46·2	46·3	46·0	45·9	45·8	45·5	45·2	44·8	44·6	46·11
54·96	54·68	54·39	54·13	53·82	53·56	52·76	52·50	52·32	52·22	52·06	51·89	53·55

New adjustment on the 10th.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.	12^{h}.	13
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc.
NOVEMBER.	1	505·0	509·5	505·5	505·5	501·9	501·4	500·0	500·3	501·5	504·2	504·0	507·6	506·8	50
	2	508·5	510 5	508·5	506·0	508·1	502·4	501·1	496·8	499·8	504·1	503·7	493·9	485·6	48
	3	504·0	507·0	500·8	496·5	498·5	499·3	498·7	497·8	495·7	501·8	506·2	507·0	507·0	50
	4	505·5	510·0	511·0	508·0	507·3	506·2	502·5	507·6	509·0	514·1	512·2	511·6	509·2	50
	5	—	—	—	—	—	—	—	—	—	—	—	—	—	
	6	525·0	521·0	515 3	511·3	513·4	508·1	507·4	511·7	515·9	516·0	516·8	517·9	516·1	51
	7	516·0	514·0	509·3	504·5	496·5	501·0	502·0	497 0	508·2	509·9	512·2	511·0	512·5	51
	8	512·0	513·0	508·0	510·0	503·0	508·8	507·4	510·0	509·3[a]	508·2	507·8	511·0	508·6	50
	9	512·5	509·3	502·8	498·3	500·6	500·5	500·5	501·4	507·4	509·7	510·5	511·9	510·5	51
	10	512·0	508·5	505·6	501·5	498·7	497·3	501·8	502·1	504·7	507·3	508·9	508·2	509·2	50
	11	506·7	507·8	503·6	502·8	501·0	500·0[b]	498·6	498·5	503·1	505·9	506·8	509·2	510 0	50
	12	—	—	—	—	—	—	—	—	—	—	—	—	—	
	13	519·0	516·0	515·4	507·5	484·0	491·0	502·0	503·5	508·6	498·6	509·1	509·1	510·0	51
	14	516·8	516·5	516·0	507·0	506·4	507·8	508·8	510·3	513·1	517·3	521·4	493·7	506·4	51
	15	521·0	516·0	514·6	506·0	508·0	510·5	509·0	509·3	510·1	512·0	516·6	518·2	516·5	51
	16	513·5	513·0	509·1	505·0	506·0	505·3	506·5	501·8	501·7	499·4	501·0	500·7	506·2	50
	17	509 0	508·0	504·0	502·0	504·0	501·3	502·6	505·0	503·4[a]	503·2	504·5	508·8	507 0	50
	18	507·5	504·0	500·4	497·9	497·9	498·5	500·2	506·1	508·5	509·4	508·9	508 1	508·9	50
	19	—	—	—	—	—	—	—	—	—	—	—	—	—	
	20	512·3	510·0	506·6	503·0	501·1	502·0	508·0	509·0	513·0[c]	514·0	514·9	513·6	512·0	51
	21	511·0	509·5	506·0	502·0	498·9	498·0	498·6	501·5	501·0	502·7	504·6	506·1	505·7	50
	22	509·3	506·0	505·4	504·8	504·1	502·8	504·5	509·0	513·2	516·1	515·6	516·8	517·8	51
	23	514 0	513·0	508·0	505·0	508·3	507·2	512·0	515·0	513·0[c]	511·6	512·8	513·4	514·5	51
	24	511·8	505·0	510·0	505·5	498·0	500·0	502·3	502·0	504·7	502·8	504·8	506·2	504·1	49
	25	504·0	502·3	497·8	493·9	490·7	492·4	493·8	497·7	502·3	504·2	505·7	506·3	505·0	50
	26	—	—	—	—	—	—	—	—	—	—	—	—	—	
	27	522·0	522·5	520·0	516·0	512·0	518·0	506·0	509·8	515·2	517·5	522·2	523·0	523·0	52
	28	526·5	527·0	526·0	522·0	518·0	511·8	507·0	508·9	514·1	519·0	519·3	521·2	521·2	52
	29	520·3	518·0	518·7	512·8	513·0	512·3	511·5	510·9	510·7	516·5	517·0	518·0	513·1	51
	30	518·5	520·0	521·6	520·0	517·3	513·2	514·0	514·2	515·5	511·3	512·8	516·2	515·5	51
Hourly Means		513·22	512·21	509·62	505·95	503·72	503·73	504·08	505·28	507·80	509·11	510·78	510·33	510·09	50

TEMPERATURE OF THE BIFILAR MAGNET.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.	12^{h}.	13
		°	°	°	°	°	°	°	°	°	°	°	°	°	
NOVEMBER.	1	44·1	44·0	44·5	44·3	44·3	44·5	44·8	45·0	45·0	45·4	45·5	45·5	45·5	45
	2	46·8	46·8	46·5	46·5	46·9	47·1	47·4	48·0	47·9	47·7	48·1	47·8	47·8	47
	3	45·5	45·2	45·0	45·0	45·5	45·9	46·0	46·4	46·8	46·4	46·4	46·2	46·8	46
	4	44·0	44·0	44·4	45·5	45·5	45·5	45·5	45·4	45·6	45·6	45·3	45·0	44·4	44
	5	—	—	—	—	—	—	—	—	—	—	—	—	—	
	6	37·5	37·5	37·2	38·0	38·5	39·5	40·2	40·6	41·4	42·0	42·4	42·6	42·8	43
	7	42·5	43·2	43·0	43·5	43·5	44·0	44·5	45·0	45·4	45·6	45·5	45·2	45·1	44
	8	45·0	44·8	44·8	44·8	44·8	45·0	45·5	45·5	45·8[a]	46·0	45·8	45·8	46·4	46
	9	46·0	45·5	45·5	45·5	45·5	46·0	46·4	46·6	47·0	47·2	47·6	47·0	46·6	46
	10	47·1	47·0	46·9	47·0	47·0	47·5	48·0	48·0	48·2	48·6	49·2	49·2	49·0	48
	11	48·8	48·5	48·5	48·5	48·5	48·5	49·0	49·1	49·3	49·7	49·8	49·5	49·7	49
	12	—	—	—	—	—	—	—	—	—	—	—	—	—	
	13	41·5	41·5	41·0	41·0	41·3	41·8	42·0	42·6	43·2	43·6	43·6	43·0	42·5	43
	14	40·0	40·0	40·0	40·5	41·0	41·5	42·0	42·5	43·0	43·6	44·0	43·8	43·8	43
	15	41·5	41·4	41·0	41·0	41·5	42·0	42·5	42 8	42·8	43·4	43·6	44·0	44·2	43
	16	46·6	47·0	47·5	47·5	47·5	48·0	48·5	49·6	50·3	50·8	51·2	51·3	51·3	51
	17	48 0	47·4	46·5	46·5	46·8	47·5	47·5	47·7	47·6[b]	47·5	47·3	47·5	48·2	48
	18	49·5	49·5	49·5	49·5	49·5	50·0	50·0	50·0	50·2	50·2	50·2	49·6	49·5	49
	19	—	—	—	—	—	—	—	—	—	—	—	—	—	
	20	45·1	45·0	44·2	45·0	45·7	46·1	47·0	47·5	48·1[c]	48·5	49·3	49·0	49·0	49
	21	47·5	47·5	47·5	47·8	48·5	48·5	49·0	49·4	49·5	49·5	49·5	50·0	49·6	49
	22	47·0	47·0	47·0	47·0	47·0	46·6	46·9	47·2	47·4	47·6	47·3	47·0	47·2	47
	23	45·0	45·0	45·0	45·0	45·3	45·8	46·5	46·9	47·1[c]	47·3	47·5	47·5	47·6	47
	24	51·0	51·5	51·6	51·6	51·7	51·5	52·0	52·0	52·5	53·2	53·4	53·0	52·8	53
	25	53·2	52·6	52·4	52·5	52·2	51·8	51·6	51·6	52·0	52·4	52·5	51·6	51·4	51
	26	—	—	—	—	—	—	—	—	—	—	—	—	—	
	27	39·0	39·4	39·4	38·6	38·6	38·7	39·5	39·8	40·6	41·5	42·2	42·0	41·6	42
	28	39·0	38·6	38·8	40·0	40·5	41·4	42·0	42·4	42·6	42·6	42·8	42·7	42·7	43
	29	43·0	43·0	42·7	43·0	43·0	43·4	43·5	43·7	43·9	44·0	45·4	45·4	45·6	45
	30	43·5	43·0	42·6	43·0	43·2	43·4	43·4	43·7	43·8	43·8	43·8	44·2	44·2	44
Hourly Means		44·91	44·84	44·73	44·93	45·13	45·44	45·82	46·12	46·42	46·72	46·89	46·75	46·74	46

[a] Four minutes late. [b] Seven minutes late. [c] Three minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·000234

12^h.	13^h.	14^h.	15^h.	16^h.	17^h.	18^h.	19^h.	20^h.	21^h.	22^h.	23^h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
506·8	503·2	505·2	501·0	499·1	499·0	517·6	507·9	505·5	503·7	505·5	508·5	504·56
485·6	482·5	495·6	498·1	497·9	487·3	489·4	495·2	489·6	498·0	500·0	500·5	498·46
507·0	505·9	504·2	502·1	503·0	503·2	503·6	501·8	503·0	504·3	505·5	510·0	502·79
509·2	509·7	509·5	509·0	506·8	505·1	—	—	—	—	—	—	510·63
—	—	—	—	—	—	514·5	513·8	516·6	518·7	518·2	519·0	
516·1	515·2	515·8	516·2	516·0	513·0	513·9	514·5	514·2	514·8	515·0	515·3	514·99
512·5	511·1	513·2	509·9	509·2	506·4	510·2	510·4	511·3	511·9	512·0	512·0	508·82
508·6	502·3	505·0	511·0	502·7	504·2	497·7	502·0	503·4	505·9	504·0	504·0	506·64
510·5	510·1	509·9	510·0	510·6	511·0	510·1	510·0	507·8	504·5	502·9	501·0	506·83
509·2	506·4	504·8	503·2	501·3	502·0	502·8	502·8	504·0	506·0	505·8	506·8	504·65
510 0	508·4	507·5	506·3	505·9	505·2	—	—	—	—	—	—	505·90
—	—	—	—	—	—	510·0	509·5	510·8	505·1	507·6	512·0	
510·0	510·2	505·2	502·2	504·0	510·3	511·6	512·3	512·6	512·4	513·3	514·0	507·58
506·4	514·1	512·8	514·2	512·3	512·2	513·2	512·6	514·4	515·2	516·5	518·5	512·40
516·5	513 9	505·9	511·6	515·0	515·2	515·2	512·5	513·7	510·0	508·3	514·0	512·63
506·2	504·4	505·8	502·4	502·6	501·0	505·0	501·0	502·6	504·6	505·5	505·0	504·55
507 0	506·0	506·6	506·5	505·0	503·8	504·9	504·0	502·8	505·1	505·9	508 0	505·06
508·9	507·2	507·0	507·0	505·5	505·9	—	—	—	—	—	—	506·24
—	—	—	—	—	—	509·8	510·2	510·8	501·3	513·8	514·9	
512·0	513·3	514·0	512 1	508·3	503·3	509·3	511·0	507·0	511·2	509·0	511·0	509·54
505·7	506·6	506·2	506·8	505·8	505·5	501·0	505·4	505·0	507·3	507·5	509·0	504·65
517·8	515·8	512·8	510·0	508·2	506·8	505·2	508·8	510·5	510·6	511·9	512·3	509·93
514·5	514·2	514·5	513·5	511·9	509·8	510·0	509·8	510·2	512·0	513·1	512·0	511·62
504·1	498·0	498·0	498·1	501·1	500·7	502·4	504·3	502·8	501·0	502·8	504·0	502·93
505·0	505·1	505·0	505·0	504·0	507·5	—	—	—	—	—	—	505·77
—	—	—	—	—	—	516·1	517·0	519·5	521·2	522·5	519·4	
523·0	521·8	521·4	520·0	518·3	518·0	517·1	519·8	522·0	519·6	523·8	526·3	518·97
521·2	522·4	520·7	520·5	519·2	518·5	518·0	518·8	520·1	520·0	519·2	521 0	519·48
513·1	516·3	501·2	509·2	508·3	508·1	508·3	511·8	514·6	510·7	515·0	517·0	513·07
515·5	515·8	515 4	515·0	514·0	510·9	515·2	512·5	514·4	515·0	511·8	520·1	515·43
510·09	509·23	508·58	508·50	507·54	506·69	508·94	509·22	509·58	509·62	510·63	512·14	508·61

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
45·5	45·4	45·6	45·5	45·5	45·8	45·8	45·2	44·6	46·3	46·5	46·5	45·35
47·8	47·8	47·8	47·8	47·5	47·2	46·8	45·9	45·1	45·5	45·5	45·5	47·01
46·8	46·6	46·1	46·2	46·1	45·8	45·7	45·5	45·4	45·0	44·6	44·4	45·77
44·4	44·3	43·9	43·8	43·5	43·4	—	—	—	—	—	—	42·92
—	—	—	—	—	—	38·0	38·0	37·4	37·4	37·3	37·3	
42·8	43·0	42·6	42·2	42·0	42·0	42·2	42·4	42·4	42·5	42·5	42·5	41·10
45·1	45·1	44·9	45·0	44·8	44·9	45·2	45·5	45·6	45·6	45·1	45·4	44·72
46·4	46·8	46·7	46·6	46·4	46·4	46·5	46·3	46·1	46·9	46·1	46·0	45·82
46·6	46·3	46·4	46·4	46·2	46·2	46·2	46·4	46·5	46·6	46·8	47·0	46·39
49·0	48·8	49·2	49·0	49·0	49·3	49·8	49·6	49·5	49·4	49·0	48·8	48·50
49·7	49·8	49·0	48·6	48·0	47·2	—	—	—	—	—	—	47·05
—	—	—	—	—	—	41·4	41·5	41·5	41·6	41·6	41·5	
42·5	42·2	42·0	41·7	41·5	41·2	41·1	40·8	40·6	40·4	40·2	40·0	41·68
43·8	43·5	43·0	42·8	42·2	41·4	41·2	40·9	40·9	41·1	41·5	41·5	41·90
44·2	44·0	44·0	44·2	44·2	44·2	44·0	43·8	44·7	45·8	46·4	46·5	43·48
51·3	51·3	51·1	50·6	50·2	50·0	49·7	49·6	49·4	49·2	48·6	48·4	49·38
48·2	48·5	49·0	49·4	49·8	49·6	49·8	49·5	49·2	49·5	49·5	49·5	48·30
49·5	49·4	49·0	48·4	48 0	47·5	—	—	—	—	—	—	48·38
—	—	—	—	—	—	45·2	45·0	45·2	45·4	15·5	45·3	
49·0	48·6	48·4	48·6	48·6	48·5	48·0	47·7	48·0	48·2	47·9	47·7	47·49
49·6	49·3	49·3	48·9	48·7	49·2	49·2	48·0	17·5	47·2	47·0	47·2	48·55
47·2	47·0	47·0	47·0	46·8	46·5	46·2	46·0	16·0	45·6	45·4	45·1	46·70
47·6	47·8	48·0	48·6	48·8	48·6	48·6	49·2	49 6	50·0	50·6	50·6	47·58
52·8	52·6	52·3	52·2	51·8	51·7	51·9	52·0	52·5	52·8	53·0	53·2	52·24
51·4	50·7	50·2	49·5	49·2	48·8	—	—	—	—	—	—	48·34
—	—	—	—	—	—	39·5	38·9	38·8	38·7	39·0	39·0	
41·6	40·8	40·8	39·8	39·6	39·4	39·5	39·2	39·0	38·7	38·7	39·0	39·81
42·7	42·5	42·5	42·5	42·5	42·5	43·0	43·0	42·6	42·6	42·6	42·5	41·87
45·6	45·6	45·4	45·0	44·6	44·5	44·5	44·4	44·4	44·2	43·8	43·6	44·19
44·2	44·0	44·0	44·0	43·5	43·9	44·1	44·5	44·3	44·8	45·2	45·0	43·87
46·74	46·60	46·47	43·32	46·12	45·99	45·12	44·99	44·98	45·01	45·01	44·96	45·71

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00027.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h	11h.	12h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
DECEMBER.	1	518·3	517·5	513·3	513·0	502·4	498·9	498·0	499·5	506·1	510·0	506·8	511·6	513·9
	2	517·0	512·6	498·3	508·5	517·5	512·4	508·5	506·3	510·8	508·5	509·9	511·5	512·2
	3	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	520·0	520·2	518·5	515·0	509·8	507·8	507·6	511·9	512·9	513·1	515·4	516·1	514·9
	5	517·0	518·0	519·0	517·9	514·8	509·3	509·0	512·1	513·4	514·4	516·5	516·0	516·0
	6	521·2	520·0	524·3	523·5	525·1	520·8	517·1	518·2	518 0	517·2	519·0	509·7	516·9
	7	517·0	517·0	516·1	513·8	512·0	510·4	508·5	510·9	513·9	514·9	516·2	517·3	516·9
	8	519·0	520·0	520·0	522·1	512·0	506·0	506·5	497·6	501·8	495·0	502·4	509·3	510·9
	9	515·0	515·5	511·4	514·0	514·0	510·5	503·5	508·8	508·6	509·7	515·3	518·0	517·3
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	521·6	521·0	518·9	518·0	510·5	500·5	506·3	509·0	498·7	517·8	519·6	517·0	511·1
	12	519·6	515·0	509·1	501·0	509·0	510·9	508·8	511·8	509·7	517·1	520·6	516·3	522·0
	13	528·0	529·8	529·1	526·3	524·5	521·5	522·8	510·1	515·0	515·4	525·1	521·3	524·5
	14	525·5	521·5	519·0	523·8	522·0	514·5[a]	513·5	514·1	514 9	512·7	518·7	522·5	521·6
	15	516·0	516·5	515·0	509·5	511·0	509·0[a]	505·0	504·6	505·0	509·1	511·9	515·8	512 2
	16	519·0	518·0	520·0	519·0	518·0	512·0	506·5	507·1	509·2	512·6	516·0	518·1	516·7
	17	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	525·0	525·0	527·0	526·5	524·0	516·0	513·0	512·0	513·4	514·0	518·7	523·0	521·3
	19	522·8	521·5	523·0	524·0	523·0	522·0	519·6	517·7	516·8	517·9	520·5	521 2	519·9
	20	522·0	524·8	524·0	524·0	519·5	516·3	511·5	514·0	516·0	515·5	513·7	515·1	514·3
	21	515·2	517·5	516·0	513·2	511·8	509·7	508·9	509·0	513·9	516·7	512·8	510·7	511·8
	22	515·9	517·0	516·6	515·0	511 5	509·3	511·5	513·3	517·2	521·8	520·4	518·2	516·2
	23	517 5	517·5	515·3	511·0	504·0	500·5	502·5	507·8	518·0	521·2	520·2	519·0	519·5
	24	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	522·0	524·0	523·0	518·8	512·0	507·0	503·0	508·5	512·0	516·1	520·4	522·0	522·5
	27	518·0	522·0	518·1	518·0	513·0	497·3	491·9	494·0	506 0	511·9	513·1	513·9	512·1
	28	516·7	514·5	503·6	516·5	510·0	500·4	495·0	495·8	500·8	505·7	507·9	507·3	502·3
	29	518·0	519·8	518·7	518·5	516·0	510·5	509·0	506·3	509·1	503·5	512·6	517·7	518·5
	30	520·5	523·5	520·9	522·4	519·0	513·8	510·2	513·4	515·4	517·8	518·9	519·6	520·7
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		519·51	519·71	517·53	517·33	514·66	509·89	507·91	508·55	511·02	513·18	515·82	516·33	516·25

TEMPERATURE OF THE BIFILAR MAGNET.

		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	12h.
		°	°	°	°	°	°	°	°	°	°	°	°	°
DECEMBER.	1	45·0	44·7	44·5	44·7	44·7	44·8	45·0	45·0	45·0	45·3	45·4	45·4	45·4
	2	46·5	46·2	46·0	46·0	45·5	45·5	46·0	46·2	47·3	47·5	47·4	47·2	47·0
	3	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	41·0	41·8	40·0	41·7	42·3	42·5	43·0	43·8	43·6	43·8	44·0	44·4	44·9
	5	44·3	44·1	44·0	43·6	43·5	43·5	43·5	43·0	42·9	42·9	42·9	42·3	42·6
	6	41·0	41·3	41·0	41·0	41·0	42·0	42·0	42·4	42·4	42·2	42·2	41 8	41·6
	7	41·4	44·2	44·0	43·6	43·4	44·0	44·4	44·7	45·0	45·0	45·4	45·0	44·9
	8	44·5	44·5	44·0	43·6	43·6	43·6	44·0	44·0	43·8	43·6	43·6	44·0	44·8
	9	44·5	44·2	44·0	43·8	44·0	44·0	44·5	44·8	44·8	44·6	44·8	44·6	44·6
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	39·6	40·0	40·6	41·0	41·5	42·2	42·5	42·7	43·2	43·7	44·0	44·0	41·5
	12	40·6	39·8	38·5	38·5	39·0	39·5	39·0	39·0	38·5	38·5	38·5	38·2	38·4
	13	32·5	32·5	32·6	33·0	33·6	34·5	35·5	36·0	37·0	37·8	38·4	38·1	37·6
	14	38·5	38·5	38·5	38·8	40·0	40·6[a]	41·0	41·5	42·0	42·5	42·9	43·5	44·2
	15	46·0	46·0	46·0	45·2	45·0	46·0[a]	46·4	46·5	46·8	46·8	47·0	47·4	46·8
	16	45·5	45·5	45·2	45·0	45·0	45·5	45·6	45·6	45·7	46·2	46·5	46·5	46·7
	17	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	42·5	42·5	42·5	42·5	43·0	43·5	44·0	44·5	44·5	44·5	44·5	44·2	44·2
	19	43·7	43·5	43·0	43·0	43·3	44·0	44·5	44·8	44·6	45·0	45·2	45·0	45·0
	20	44·3	44·2	44·0	44·0	44·5	45·0	45·5	46·0	46·4	46·4	46·8	47·5	48·0
	21	49·4	49·4	49·2	48·8	48·5	48·5	48·8	49·2	49·6	50·0	50·2	50·2	50·2
	22	47·5	47·0	46·6	46·4	46·5	47·0	47·5	48·0	48·2	48·4	48·5	48·1	48·1
	23	46·6	46·5	46·0	45·5	45·4	45·4	45·4	45·4	45·4	45·6	45·8	46·2	46·5
	24	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	42·0	42·0	41·6	41·5	41·4	41·4	41·5	42·0	42·9	43·6	43·8	44·0	44·6
	27	47·4	47·5	47·5	47·8	48·4	48·5	48·5	48·5	48·5	48·7	48·8	48·8	49·2
	28	47·3	47·0	47·0	46·5	46·5	46·5	47·0	47·6	47·8	48·2	48·4	47·5	47·0
	29	43·5	43·0	42·5	42·0	42·0	43·0	43·5	43·5	43·6	43·6	43·5	43·5	43·8
	30	41·5	41·2	41·5	41·5	42·5	42·8	42·6	42·5	42·2	42·4	42·8	42·6	42·0
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		43·58	43·45	43·24	43·16	43·36	43·75	44·05	44·29	44·47	44·67	44·85	44·82	44·90

[a] Two minutes late.

[b] Three minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·000234.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
513·9	511·6	512·2	515·9	514·8	513·7	508·6	504·4	506·1	506·0	507·8	508·0	509·10
512·2	503·8	505·9	507·1	504·2	505·5	—	—	—	—	—	—	511·32
—	—	—	—	—	—	517·0	519·0	520·0	517·3	518·5	519·3	
514·9	512·1	512·6	513·0	513·1	512·2	515·3	515·0	515·8	516·5	517·5	515·8	514·25
516·0	515·0	515·0	515·9	516·2	517·9	518·7	520·1	522·0	520·8	517·4	521·0	516·35
516·9	517·9	519·0	517·0	512·5	509·5	513·0	517·0	517·8	516·3	518·2	517·5	517·78
516·9	515·9	514·7	514·8	511·5	512·0	512·2	513·0	514·5	515·8	517·3	518·0	514·36
510·9	508·5	511·0	512·1	515·5	508·8	508·4	511·8	510·1	508·6	514·3	515·5	510·30
517·3	514·5	514·3	512·3	508·7	513·8	—	—	—	—	—	—	512 63
—	—	—	—	—	—	507·1	511·0	517·5	514·4	506·8	521·0	
511·1	505·6	504·6	511·5	518·8	513·5	514·0	515·6	514·5	516·6	516·4	518·0	513·30
522·0	517·9	517·1	522·1	520·0	521·4	520·0	510·0	524·3	519·9	524·9	527·0	516·48
524·5	524·1	520·9	526·7	522·3	521·3	523·8	521·8	527·9	525·5	526·6	524·4	523·28
521·6	521·8	521·2	519·0	518·3	517·7	516·4	516·2	516·0	516·1	516·1	516·5	518·44
512 2	511·2	511·2	512·4	511 8	513·3	513·2	515·8	516·0	514·7	517·0	518·0	512·30
516·7	516·2	514·8	516·0	514·2	515·0	—	—	—	—	—	—	516·55
—	—	—	—	—	—	519 2	520·8	520·2	522·2	522·3	524·0	
521·3	520·7	520·2	517·2	519·6	516·2	515 2	514·7	517 7	519·0	520·2	520·5	519·17
519·9	519·0[b]	518·0	517·5	518·4	520·0	518·5	516 1	520·6	519 8	515·8	520·0	519·73
514·3	513·3	511·3	510·3	510·4	514·8	512·8	512·5	512·8	514·2	515·0	515·0	515·67
511·8	512·2	511·6	511·9	512·2	511·7	511·7	512·6	513·0	515·5	515·0	516·0	512·94
516·2	514·2	513·8[b]	511·0	511·8	511·5	513·0	513·0	514·2	514·8	515·2	517·0	514·73
519·5	517·8	517·5	516·0	515·3	514 5	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	515·41
—	—	—	—	—	—	519·2	517·8	518·0	519·1	519·2	521·5	
522·5	522·2	520 3	518·0	510·1	509·0	512 8	513·0	515·7	516·9	515·0	517·0	515·89
512·1	511·4	509·5	505·0	506·7	508·6	505·0	507·5	507·5	508·6	511·0	511·5	509·23
502·3	500·0	510·4	511·0	511·5	510·8	511·0	512·3	513·5	512·7	513·5	515·0	508·26
518·5	518·5	517·4	513·8	515·2	516·7	519·9	521·2[d]	518·2	528·6	517·8	522·8	515·76
520·7	520·9	518·9	516·8	513·9	514 7	—	—	—	—	—	—	520·34
—	—	—	—	—	—	525·3	528 0	527·7	529·9	528·0	528·0	
516·25	514·65	514·54	514·57	513·88	513·76	514·85	515·21	516·86	516·79	517·07	518·73	514·94

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
45·4	45·4	45·4	45·6	45·0	46·5	47·0	46·7	46·7	46·8	47·2	47·0	45·63
47·0	46·6	46·2	45·7	45·2	44·6	—	—	—	—	—	—	44·75
—	—	—	—	—	—	40·0	40·0	40·0	40·5	40·5	40·5	
44·9	44·7	44·4	44·6	44·4	44·6	43·4	44·2	44·5	44·6	44·6	44·6	43·60
42·6	42·4	42·0	41·8	41·2	40·6	40·4	40·4	40·4	40·8	41·2	41·0	42·32
41·6	42·0	42·4	42·0	42·2	42·2	42·8	43·0	43·4	43·9	44·4	44·5	42·28
44·9	44·9	45·2	45·0	45·0	45·0	45·0	44·6	44·6	44·9	45 0	44·5	44·65
44·8	45·2	45·2	45·6	45·4	44·8	44·4	44·0	44·7	44·6	44·5	44·6	44·37
44·6	44·0	43·6	43·0	42·6	42·2	—	—	—	—	—	—	42·47
—	—	—	—	—	—	36·2	36·5	37·4	38·2	39·0	39·3	
41·5	44·5	44·5	44·5	44·2	44·4	44·2	43·5	43·2	42·5	41·6	41·0	42·82
38·4	38·2	37·6	36·5	35·6	35·4	35·2	35·2	34·8	34·2	33·7	33·0	37·31
37·6	37·6	38·1	38·4	38·8	38·9	38·5	38·4	38·4	38·8	39·0	38·2	36·76
44·2	44·2	44·0	44·2	44·5	44·6	45·0	44·6	44·6	45·2	45·6	45·6	42·69
46·8	46·6	46·4	45·7	45·2	45·2	45·3	45·5	45·5	45·5	45·4	45·5	45·99
46·7	46·6	46·2	46·0	46·0	46·0	—	—	—	—	—	—	44·86
—	—	—	—	—	—	41·5	41·5	41·6	42·0	42·2	42·5	
44·2	44·3	44·2	44·0	43·8	43·6	43·4	43·4	43·2	43·2	43·0	43·5	43·60
45·0	44·9[b]	44·9	44·8	44·6	41·5	44 5	44·4	44·2	44·2	44·5	44·0	44·34
48·0	48·5	49·0	49·0	49·0	49·6	49·6	49·4	49·2	49·0	49·4	49·4	47·24
50·2	49·4	48·8	48·2	48·0	47·7	47·6	48·0	48·2	48·5	48·2	48·0	48·86
48·1	47·7	47·4[b]	47·2	47·2	47·4	47·5	47·5	47·2	47·2	47·2	46·5	47·41
46·5	46·5	47·0	47·4	47·0	47·0	—	—	—	—	—	—	—
—	—	—	—	—	—	41·2	41·2	41·5	41·8	42·0	42·0	45·01
44·6	45·1	45·5	45·5	45·2	45·8	46·2	46·4	46·6	46·7	46·8	47·0	44·13
49·2	48·8	48·4	48·0	48·0	48·0	47·9	47·5	47·0	47·0	47·4	47·7	48·07
47·0	46·0	45·6	45·2	45·2	45·2	45·2	45·2	45·4	45·4	44·6	44·0	46·30
43·8	43·8	43 8	43·8	43·5	43·6	43·6	42·7[d]	42·0	41·8	41·6	41·5	43·03
42·0	41·6	41·5	40·7	40·5	40·3	—	—	—	—	—	—	40·35
—	—	—	—	—	—	35·8	35·8	36·0	36·0	36·0	36·0	
44·90	44·78	44·69	44·50	44·34	44·31	43·30	43·18	43·21	43·33	43·38	43·26	43·95

[c] Christmas-day.

[d] Four minutes late.

VERTICAL FORCE.

One Scale Division = ·000093 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00007.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	12h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
JANUARY.	2	88·8	87·2	87·9	87·5	86·6	87·8	89·4	89·4	87·9	87·9	86·9	86·9	87·8
	3	85·3	86·4	87·6	87·0	86·3	86·2	88·3	87·0	87·0	86·0	86·4	86·4	86·7
	4	88·4	89·0	89·8	89·2	87·9	88·1	89·4	89·2	88·6	90·3	87·4	87·1	87·3
	5	83·3	83·3	83·1	82·3	81·8	81·4	82·0	82·0	80·9	80·2	78·9	79·5	79 2
	6	77·9	78·2	78·7	78·2	77·0	76·3	76·3	77·0	77·2	76·5	76·6	75·7	75·2
	7	71·2	71·1	71·6	71·2	70·8	70·9	71·5	69·9	70·0	70·5	70·4	69·1	69·0
	8	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	80·9	81·5	81·5	81·4	81·5	81·5	80·4	79·6	79·4	78·9	77·2	77·2	77·7
	10	76·7	76·0	76·0	75·8	75·6	75·0	75·8	75·8	76·6	76·6	76·6	75·2	73·8
	11	73·3	73·8	71·8	72·3	72·5	72·5	73·4	74·1	75·4	76·0	75·7	74·5	72·9
	12	73·1*	73·1	74·0	73·7	73·7	74·1	74·9	75·6	75·3	75·9	75·9	75·7	75·2
	13	72·3	72·0	72·0	72·2	72·3	72·3	72·5	72·6	72·4	72·1	73·0	72·6	72·7
	14	76·8	76·8	77·0	77·2	76·5	77·1	77·9	77·9	77·5	77·5	77·9	78·0	78·0
	15	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	80·0	80·0	79·2*	79·3	79·2	79·2	79·2	79·2	80·0	79·9	79·5	79·4	79·4
	17	80·4	80·5	80·4	81·3	79·6	79·3	79·3	78 7	78 3	77·8	77·0	76·6	76·2
	18	74·5	75·4	75·3	74·1	73·6	72·6	72·4	71·2	70·0	68·8	67·6	67·1	67·4
	19	63·8	62·8	62·1	60·8	61·0	61·7	62·2	62·9	63 8	63·9	63·7	63·9	63·0
	20	64·6	64·7	63·9	63·7	63·3	63·7	64·5	64·5	64·5	65·1	65·0	63·9	63·9
	21	64·7	66·7	66·4	62·4	62·6	62·1	62·1	62·2	62·3	62·2	61·4	60·1	59·4
	22	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	72·9	72·9	72·7	72·7	73·2	73·2	72·9	74·1	74·1	74·1	74·0	73·9	75·0
	24	71·0	71·8	72·0	72·1	71·7	72·1	71·7	72·2	72·7	73·1	73·1	72·6	72·9
	25	73·5	73·2	75·0	72·1	72·2	73·6	75·0	75·2	74·7	77·7	78·2	78·2	75·1
	26	83·7	85·0	85·3	85·7	85·3	85·0	85·0	83·3	82·3	81·8	81·8	81·8	81·4
	27	77·3	76·0	76·2	75·8	75·1	74·2	72·6	72·3	71·5	72·6	74·5	74·8	73 1
	28	69·4	71·3	72·3	72·3	72·6	72·6	72·7*	75·9	76·1	75·2	75·6	76·7	77·0
	29	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	79·9	79·9	78·1	79·5	78·8	77·6	77·2	76·1	76·4	75·4	75·4	74·1	74·4
	31	72·9	73·4	73·2	73·3	73·3	74·4	74·0	74·6	73·9	72·4	71·8	71·8	71·8
Hourly Means		76·02	76·23	76·28	75 89	75·54	75·56	75·87	75·91	75·72	75·71	75·44	75·11	74·83

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°	°
JANUARY.	2	33·0	32·4	34·4	34·8	35·7	36·4	37·0	37·8	38·1	38·4	38·4	38·9	38·9
	3	36·9	36·2	36·0	35·8	36·2	36·5	36·6	37·1	37·4	37·8	38·0	37·3	37·6
	4	34·4	34·5	34 2	34·2	34·2	35·0	34·4	34·7	35·4	35·8	36·4	36·4	36·8
	5	39·8	40·0	40·1	40·8	40·8	41·6	42·5	41·4	41·7	42·2	42·6	42·6	43·0
	6	42·7	42·9	42·7	42·7	42·8	43·5	44·2	44·6	45·0	45·4	45·4	45·5	45·5
	7	47·9	47·9	48·0	48·0	48·2	48·2	48·6	49·4	49·4	49·3	49·4	50·0	50·2
	8	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	40·6	40·7	40·6	40·0	40·0	40·5	41·2	41·9	42·3	43·0	43·9	43·6	43·6
	10	44·8	44·9	44·9	44·5	44·5	44·7	45·2	45·4	45·4	45·6	46·0	46·0	46·8
	11	46·8	46·4	46·0	46·4	46·0	46·0	46·0	46·2	46·4	46·4	46·8	47·7	48·2
	12	47·0*	46·9	46·6	46·6	46·2	46·1	46·0	46·0	46·2	46·4	46·0	46·0	46·1
	13	47·2	47·6	47·7	47·6	47·3	47·2	47·5	47·9	47·9	48·0	47·4	47·4	47·8
	14	44·7	44·5	44·3	43 9	43·4	43·4	43·2	43·4	43·9	43·9	43·5	43·4	43·4
	15	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	41·4	41·4	41·6	41·2	40·9	40 9	41 0	41·2	41·3	41·7	41·4	42·0	41·7
	17	41·5	41·6	41·4	42·0	42·0	41·0	41·8	42·4	43·0	43·4	44·0	44·4	44·6
	18	45·4	45·3	45·4	45·0	45·4	46·2	46·9	48·0	49·0	49·5	49·2	51·0	51·7
	19	53·8	54·4	55·2	56·0	55·2	54·5	54·2	54·2	54·1	54·4	54·9	54·9	54·6
	20	53·4	54·0	53·6	53·1	53·2	53·1	53·1	53·0	54·0	53·6	53·4	53·4	53·4
	21	53·0	53·3	53·6	54·5	53·8	53·9	54·1	54·2	54·7	55·2	56·0	56·5	56·8
	22	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	47·0	47·0	47·0	46·5	46·6	46·8	45·9	46·2	46·2	46·4	46·8	47·0	46·8
	24	48·7	48·4	48·2	47·5	47·2	47·2	47·4	47·2	47·1	47·0	47·4	47·5	47·5
	25	47·0	47·4	48·8	47·2	46·8	46·0	45·6	45·0	44·4	43·8	43·0	42·9	42·4
	26	37·5	37·3	38·3	37·5	37·6	37·7	38·2	39·0	39·4	40·2	40·0	40·0	40·6
	27	43·4	43·9	44·0	44·5	44·3	44·5	45·2	45·9	46·7	46·2	45·6	45·8	46·6
	28	47·0	46·6	46·4	46·0	45·7	45·9	46·4	46·2	46·0	46·6	46·8	46·5	46·4
	29	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	41·5	41·4	41·4	41·0	41·4	42·3	43·0	43·8	44·4	45·2	45·5	45·4	45·5
	31	47·2	47·1	46·6	46·2	45·8	46·0	46·6	46·6	46·4	47·4	47·6	47·8	48·0
Hourly Means		44·37	44·38	44·50	44·37	44·28	44·44	44·68	44·95	45·22	45·49	45·59	45·77	45·94

* Five minutes late.

VERTICAL FORCE.

One Scale Division = ·000093 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00007.

10^h.	11^h.	12^h.	13^h.	14^h.	15^h.	16^h.	17^h.	18^h.	19^h.	20^h.	21^h.	22^h.	23^h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
86·9	86·9	87·8	87 7	84·4	85·3	84·2	79·7	82·6	83·3	84·0	85·2	86·0	85·0	86·22
86·4	86·4	86·7	86·7	87·4	88 3	88·3	88·2	87·5	88·7	87·8	89 2	89·5	89·2	87·39
87·4	87·1	87·3	86·9	86·5	86·2	85·1	84·5	84·4	83·9	83·9	83·9	83·8	83·3	86·84
78·9	79·5	79 2	78·0	76·8	76·1	75·7	76·0	77·0	77·4	78·0	78·7	77·8	78·4	79·49
76·6	75·7	75·2	74·9	74·4	74·1	74·1	73·5	72·8	73·0	73·0	72·7	72·5	71·8	75·32
70·4	69·1	69·0	69·8	69 8	69·8	69·8	70·1	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	81·9	82·9	82·9	81·2	81·9	80·9	73·26
77·2	77·2	77·7	77·4	78·0	77·9	77·9	77·9	77·2	77·1	77·1	77·0	76·9	76·7	78·74
76·6	75·2	73·8	74·6	74·6	75·1	75·3	74·7	74·7	74·0	73·9	73·9	73·7	73·1	75·13
75·7	74·5	72·9	74·0	73·7	73·4	73·3	73·3	73·3	73 0	73·0	74·8	72·6	72·6	73·56
75·9	75·7	75·2	75·1	74·8	74·8	74·8	73·9	73·9	73·7	73·7	73·7	73·7	73 7	74·42
73·0	72·6	72·7	72·7	73·6	73·4	74·9	76·1	76·0	75·9	75·8	75·8	75·8	76·4	73·64
77·9	78·0	78·0	78·0	78·6	78·6	78·4	78·1	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	81·6	79·9	79·9	81·3	80·9	80·1	78·40
79·5	79·4	79·4	79·4	79·4	80·0	80·0	80·0	80·0	79·5	79·0	79·3	79·3	79·8	79·55
77·0	76·6	76·2	76·1	76·0	76·3	76·6	77·0	76·7	76·7	76·1	75·6	74·6	74·3	77·56
67·6	67·1	67·4	66·7	65·8	64·3	63·7	64·6	64·6	65·2	65·0	65·0	65·5	64·6	68·55
63·7	63·9	63·0	63·0	63·6	64·1	64·1	64·1	64·1	64·1	64·1	64·1	64·8	65 1	63·37
65·0	63·9	63·9	63·9	63·9	65·2	65·3	65·3	65·3	65·0	63·8	64·4	64·5	64·5	64·43
61·4	60·1	59·4	59·4	59·5	60·2	61·0	61·1	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	73·1	72·9	72·8	73·1	73·1	73·1	64·79
74·0	73·9	75·0	75·4	75·5	76·6	72·0	72·1	72·5	72·9	71·7	69·8	70·3	70 3	73·12
73·1	72·6	72·9	73·8	74·7	75·6	75·6	73·6	74·0	73·2	74·4	73·5	73·5	73·5	73·10
78·2	78·2	75·1	75 1	75·1	74·8	78·5	82·1	82·1	82·4	84·0	84·0	84·6	84·3	77·53
81·8	81·8	81·4	81·0	80·8	80·9	80·9	80·7	80·1	79·7	79·2	78·2	77·8	77·8	81·85
74·5	74·8	73 1	72·8	72·3	72 8	73·9	73·1	72·6	73·0	73·0	71·5	71·5	71·9	73·52
75·6	76·7	77·0	77·0	75·5	75·0	75·0	74·9	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	79·8	79·8	80·0	80·4	80·4	80 3	75·74
75·4	74·1	74·4	74·6	75·0	74·4	73 2	73·2	73·6	73·6	72·9	72·9	72·9	73·3	75·52
71·8	71·8	71·8	69·6	70·6	70·6	71·0	72·7	72·7	76·0	76·1	77·3	77·3	78·4	73·46
75·44	75·11	74·83	74·75	74·63	74·76	74·72	74·63	75·93	76·03	75·97	76·02	75·97	75·86	75·56

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
38·4	38·9	38·9	39·0	39·0	39·4	39·3	39·0	38·8	39·1	38·5	38·2	38·0	38·0	37·52
38·0	37·3	37·6	37·2	36·8	36·1	36·0	35·7	35·7	35·7	35·6	35·2	34·8	34·4	36·36
36·4	36·4	36·8	37·2	37·7	38·2	38·6	38·8	39·2	39·2	39·2	39·2	39·2	39·7	36·77
42·6	42·6	43·0	44·0	44·6	44·7	44·8	44·6	44·4	44·1	43·6	43·2	43·2	42·9	42·63
45·4	45·5	45·5	46·0	46·1	46·2	46·2	46·2	46·8	46·6	46·7	47 2	47·2	47·8	45·25
49·4	50·0	50·2	49·7	49·6	49·4	49 3	49·3	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	40·0	40·0	40·0	40·2	40·4	40·5	46·79
43·9	43·6	43·6	43·8	43·9	43·6	43·6	43·6	44·0	44·2	44·0	44·2	44·2	44·2	42·72
46·0	46·0	46·8	47·0	47 0	47·2	47·0	46·8	46·6	46·4	46·4	46·4	46·6	46·9	45·96
46·8	47·7	48·2	48·0	48·2	47·7	47·5	47·4	47·2	47·4	47·6	47·4	47·4	47·6	42·86
46·0	46·0	46·1	46·3	45·5	46·4	46·9	45·5	44·5	46·9	47·0	46·7	46·7	47·0	46·35
47·4	47·4	47·8	47·6	47·0	45·7	45·4	45·4	45·3	45·2	45·0	44·8	44·7	44·8	46·64
43·5	43·4	43·4	43·2	43·3	43·2	43·2	43·2	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	40·2	40·3	40·3	40·5	40·6	41·0	42·83
41·4	42·0	41·7	41·6	41·6	41·8	41·8	41·8	41·6	41·6	41·9	41·8	41·4	41·5	41·50
44·0	44·4	44·6	45·0	45·2	45·0	44·8	44·4	44·4	44·8	44·7	44·8	44·5	45·4	43·59
49·2	51·0	51·7	52·0	52·7	53·5	54·0	53·3	52·9	52·5	52·2	52·0	52·2	53·4	49·05
54·9	54·9	54·6	54·8	54·7	54·0	54·0	54·0	53·7	53·6	53·6	53·6	53·4	53·3	54·30
53·4	53·4	53·4	53·4	53·2	53·2	53·0	52·8	52·8	52·7	53·2	53·1	53·0	53·4	53·25
56·0	56·5	56·8	56·5	56·4	56·1	55·5	55·0	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	46·9	46·5	46·4	46·4	46·4	46·5	52·84
46·8	47·0	46·8	46·6	46·6	47·0	48·0	48·0	48·1	48·0	48·3	48·9	49·0	49·0	47·24
47·4	47·5	47·5	47·4	47·2	47·2	47·5	47·7	47·5	47·0	46·7	46·7	46·7	46·8	47·36
43·0	42·9	42·4	42·0	41·7	40·4	40·4	39·6	39·6	39·9	39·2	38·5	38·2	37·9	42·82
40·0	40·0	40·6	40·9	40·9	41·2	41·2	41·2	41·4	41·4	42·0	42·4	42·9	43·2	40·08
45·6	45·8	46·6	46·6	46·8	46·5	46·9	47·0	47·0	46·8	47·0	48·0	47·5	47·2	46·00
46·8	46·5	46·4	46·4	46·4	46·2	46·0	46·0	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	41 0	40·9	41·0	40·9	41·0	41·5	44·99
45·5	45·4	45·5	45·8	45·5	45·9	46·0	46·1	46·2	46·4	46·7	47·0	46·8	47·0	41·63
47·6	47·8	48·0	48·5	43·2	48·4	48·0	47·0	46·2	45·4	44·2	43·2	42·2	41·2	46·32
45·59	45·77	45·94	46·02	46·03	45·93	45·96	45·75	44·69	44·72	44·65	44·63	44·55	44·70	45·07

VERTICAL FORCE.

One Scale Division = ·000093 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00007.

	Mean Göttingen Time.	0^h.	1^h.	2^h.	3^h.	4^h.	5^h.	6^h.	7^h.	8^h.	9^h.	10^h.	11^h.	12^h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
FEBRUARY.	1	77·4	79·5	79·3	82·2	81·1	83·4	82·2	80·7	82·1	82·1	80·5	81·1	81·6
	2	85·8	85·8	—	79·4	81·5	82·7	82·4	82·6	82·6	82·1	81·5	80·2	79·9
	3	81·8	82·4	82·3	81·7	81·3	80·1	80·1	79·6	79·9	78·6	77·8	76·2	76·0
	4	76·2	77·0	77·6	77·0	76·5	75·9	74·7	73·4	72·3	71·1	69·9	68·7	69·3
	5	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	82·7	82·7	—	82·7	81·6	82·8	83·1	83·4	84·9	85·3	89·0	88·0	87·5
	7	88·5	88·2	88·9	89·5	88·7	88·4	90·3	89·0	87·7	86·1	85·2	85·5	86·4
	8	83·3	84·1	85·4	83·2	83·2	82·4	82·6	82·2	82·3	81·3	81·2	81·2	82·9*
	9	84·3	84·4	84·3	84·8	83·4	82·8	82·3	82·3	82·3	81·9	81·5	81·5	82·2
	10	83·6	83·2	82·9	82·2	81·2	81·2	81·7	82·0	83·6	83·3	83·7	81·7	81·7
	11	75·6	75·8	76·3	76·0	76·6	77·3	77·7	77·5	77·5	77·9	78·5	79·5	80·2
	12	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	86·6	86·9	86·9	83·7	85·0	84·7	84·7	84·1	84·6	84·6	84·6	85·4	85·4
	14	84·9	85·0	84·4	87·6	88·1	86·6	87·6	88·4	89·8	90·2	90·5	88·5	88·2
	15	87·6	87·2	87·4	86·1	85·0	85·3	85·3	85·1	85·6	85·5	85·5	83·3	82·2
	16	85·0	84·8	88·0	76·2*	80·8	81·9	82·5	82·7	84·5	83·7	81·9	81·1	81·1
	17	88·6	89·9	89·6	90·3	87·8	87·7	87·6	86·1	85·7	84·6	83·6	83·6	83·9
	18	90·6	91·0	91·1	89·7	89·3	88·2	87·3	85·9	85·4	84·2	82·3	82·4	82·3
	19	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	88·0	88·0	87·5	74·4	80·8	81·2	81·5	81·1	79·8	79·8	79·1	80·4	83·4
	21	82·8	82·8	81·4	81·1	81·1	79·4	77·9	77·5	76·6	76·9	76·9	76·4	76·0
	22	76·6	77·2	77·6	77·6	77·6	77·2	76·5	76·5	78·0	78·0	78·1	78·6	78·6
	23	84·1	83·2	86·5	82·8	81·7	82·5	82·4	82·4	82·7	82·1	80·1	80·1	79·6
	24	82·6	83·6	85·5	81·1	79·9	75·5	78·8	83·0	82·6	82·3	81·6	81·5	80·4
	25	74·3	73·1	74·7	74·8	73·6	73·2	72·9	72·8	73·0	72·6	72·4	72·9	71·2
	26	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	79·0	79·1	80·0	79·7	78·7	78·7	77·7	76·6	75·7	75·6	74·5	75·2	76·6
	28	75·6	76·2	75·3	75·8	74·5	73·0	73·1	72·6	72·6	72·6	73·2	73·6	73·6
Hourly Means		82·73	82·96	83·31	81·65	81·63	81·34	81·37	81·15	81·33	80·93	80·55	80·28	80·40

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°	°
FEBRUARY.	1	40·4	39·7	39·7	39·0	38·3	38·6	39·2	39·8	39·7	40·0	40·0	40·0	40·0
	2	37·4	37·0	—	38·0	37·6	37·7	38·0	38·1	38·2	39·0	39·8	40·4	40·4
	3	39·8	39·9	39·5	39·4	39·8	40·0	40·2	40·8	41·0	41·4	42·2	42·6	43·0
	4	43·6	43·0	42·7	42·6	42·4	43·0	44·0	44·9	45·4	46·4	46·9	47·4	47·6
	5	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	39·0	38·7	—	36·8	36·6	36·8	37·0	37·4	37·4	37·3	37·3	36·8	36·4
	7	33·6	33·1	32·2	32·1	32·2	33·0	33·2	34·0	35·0	36·0	36·9	36·9	36·6
	8	38·3	38·4	38·8	38·0	38·0	38·6	39·0	39·4	39·9	40·1	40·0	40·0	39·8*
	9	38·0	37·8	37·4	37·0	37·0	37·3	38·1	39·0	39·4	39·8	40·4	39·4	39·4
	10	37·8	37·8	37·7	37·2	37·5	37·6	37·7	37·9	38·1	38·3	39·0	39·8	39·8
	11	43·6	43·4	42·9	42·4	41·7	41·3	41·3	41·3	41·2	41·2	41·2	41·0	41·0
	12	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	35·0	34·9	36·2	36·3	36·0	36·2	36·8	37·8	38·2	38·7	38·5	39·0	39·2
	14	36·0	35·4	35·2	34·2	33·6	33·9	34·0	34·0	34·5	35·0	35·4	36·0	36·7
	15	35·9	35·9	35·5	35·7	36·2	37·0	37·2	38·0	38·3	38·2	38·4	39·4	39·8
	16	37·8	37·7	43·3	40·4*	38·8	38·5	38·6	39·0	39·2	39·6	39·8	40·0	40·0
	17	33·0	32·2	39·6	33·2	32·7	33·7	34·4	35·6	36·6	37·0	38·0	38·2	38·2
	18	32·6	32·7	32·2	32·6	32·6	33·4	34·7	35·8	36·6	38·0	39·0	39·2	39·4
	19	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	34·8	34·4	35·2	36·4	37·4	37·7	38·2	39·0	39·6	40·0	40·1	40·0	40·6
	21	39·3	39·6	39·8	39·2	39·4	40·0	40·4	41·6	42·0	42·3	42·4	42·7	43·1
	22	42·8	42·4	42·1	41·6	41·6	42·0	42·4	42·0	41·8	42·0	41·9	41·7	41·4
	23	37·6	37·4	38·7	37·9	38·1	38·0	38·2	38·4	38·7	38·9	39·6	40·0	40·0
	24	35·3	35·0	35·0	35·2	36·0	37·0	38·2	38·6	39·4	40·2	41·0	41·8	43·0
	25	45·6	45·8	45·5	45·0	44·4	44·6	45·2	45·7	45·8	46·2	46·6	46·4	47·6
	26	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	41·5	41·2	41·1	40·2	40·4	41·2	41·7	42·4	42·8	43·4	43·8	43·4	43·3
	28	43·4	43·2	44·2	43·4	44·0	45·0	45·4	45·6	45·6	45·5	45·2	45·0	44·9
Hourly Means		38·42	38·19	38·84	38·08	38·01	38·42	38·88	39·42	39·77	40·19	40·56	40·71	40·88

Seven minutes late.

VERTICAL FORCE.

One Scale Division = ·000093 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00007.

12^h.	13^h.	14^h.	15^h.	16^h.	17^h.	18^h.	19^h.	20^h.	21^h.	22^h.	23^h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
81·0	81·0	80·8	83·8	83·5	83·5	84·9	84·3	84·8	85·7	85·0	85·8	82·32
79·9	80·6	80·6	80·7	80·9	81·2	81·1	81·1	82·1	82·1	81·6	81·6	81·75
76·0	76·1	76·2	76·4	75·2	75·2	75·8	75·8	76·6	76·6	76·6	75·8	78·09
69·3	71·2	71·7	75·5	75·1	73·6	—	—	—	—	—	—	
—	—	—	—	—	—	82·6	81·6	81·7	81·7	81·7	81·8	75·74
87·5	87·5	87·5	87·7	88·3	88·3	88·3	88·2	87·7	88·2	87·9	87·3	86·11
86·4	86·4	86·4	86·8	88·3	87·1	83·8	84·7	84·8	84·8	83·9	83·3	86·78
82·9*	82·5	82·5	82·5	82·2	82·7	82·6	83·1	83·1	83·1	83·9	84·2	82·82
82·2	82·3	82·5	82·5	82·5	82·6	80·9	80·9	81·9	83·4	84·0	84·0	82·73
81·7	81·7	80·8	80·3	79·6	79·6	78·3	78·5	78·5	77·9	76·9	75·8	80·83
80·2	81·3	81·3	81·3	82·1	82·1	—	—	—	—	—	—	
—	—	—	—	—	—	91·3	90·2	90·5	89·9	88·5	87·7	81·36
85·4	87·1	87·1	86·3	85·6	86·1	77·3	71·4	76·8	81·7	84·6	84·5	83·99
88·2	87·9	87·8	88·3	87·8	88·5	88·1	86·1	86·9	87·7	87·8	87·6	87·68
82·2	81·7	78·5	79·0	79·1	79·1	78·9	78·9	78·7	78·7	78·7	78·7	82·55
81·1	82·0	82·4	83·4	83·4	83·4	83·4	84·6	84·3	84·2	86·0	91·0	83·51
83·9	85·5	86.2	87·3	87·9	87·8	87·6	87·7	88·5	89·3	89·4	89·5	87·32
82·3	82·8	84·3	86·4	87·3	86·5	—	—	—	—	—	—	
—	—	—	—	—	—	84·0	84·1	87·1	87·9	88·0	87·9	86·50
83·4	82·6	82·7	81·8	81·6	81·4	81·9	81·9	82·4	82·4	81·8	82·5	82·00
76·0	76·0	76·0	76·0	76·2	76·7	76·7	77·1	77·1	77·1	77·1	76·6	77·89
78·6	78·6	80·1	80·1	81·5	81·8	80·9	82·5	83·0	83·0	83·0	82·8	79·39
79·6	79·8	77·2	85·0	84·4	85·1	84·8	85·1	84·9	84·0	77·5	79·8	82·41
80·4	77·3	78·7	74·0	73·5	68·5	70·4	72·6	73·2	74·2	74·3	74·4	77·90
71·2	72·6	72·4	72·7	73·0	72·5	—	—	—	—	—	—	
—	—	—	—	—	—	77·2	78·2	78·0	78·0	78·6	78·9	74·32
76·6	75·9	75·5	74·6	74·6	74·6	74·6	76·2	76·7	75·4	74·8	75·1	76·42
73·6	73·9	74·7	75·5	75·5	76·3	76·3	75·7	75·3	75·3	77·4	77·6	74·80
80·40	80·60	80·58	81·16	81·21	81·01	81·32	81·27	81·86	82·18	82·13	82·26	81·47

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
40·0	40·0	39·4	39·0	38·2	37·0	37·6	37·5	37·2	36·7	36·7	37·1	38·78
40·4	40·0	39·9	40·0	40·0	39·9	39·3	39·2	39·0	39·2	39·1	39·7	39·00
43·0	43·2	43·2	43·2	43·5	43·5	43·8	43·6	43·6	43·4	43·4	43·8	41·99
47·6	47·2	47·0	46·8	46·4	46·0	—	—	—	—	—	—	
—	—	—	—	—	—	38·2	38·2	40·0	39·8	39·6	39·5	43·69
36·4	36·0	35·2	34·7	34·2	34·2	34·4	34·8	35·2	35·0	34·9	34·3	36·10
36·6	37·0	37·2	37·2	37·0	37·4	37·6	37·2	37·2	37·7	38·0	38·2	35·69
39·8*	39·8	39·6	39·6	39·4	39·6	39·5	39·6	39·0	38·6	38·0	38·4	39·14
39·4	39·5	39·4	40·0	39·8	39·5	39·2	39·0	39·2	39·0	39·0	39·0	38·86
39·8	40·3	40·9	41·0	41·4	41·4	41·4	41·2	41·2	41·6	42·4	43·7	39·70
41·0	40·0	40·0	39·8	39·6	39·0	—	—	—	—	—	—	
—	—	—	—	—	—	32·6	32·6	33·0	33·6	34·4	35·4	39·31
39·2	39·0	38·5	38·3	37·6	37·6	37·3	37·2	37·2	37·2	37·0	37·0	37·36
36·7	36·5	36·4	36·2	35·7	34·3	35·2	35·2	35·4	35·2	35·0	35·6	35·19
39·8	40·2	39·7	39·4	39·2	38·9	38·8	38·9	39·2	39·0	38·4	38·0	38·13
40·0	39·8	40·0	39·2	38·6	38·0	38·0	36·6	35·9	35·0	33·8	33·4	38·38
38·2	37·4	37·4	37·0	36·4	35·9	35·6	34·8	34·2	33·9	33·3	33·6	35·50
39·4	39·4	38·8	38·2	37·7	37·4	—	—	—	—	—	—	
—	—	—	—	—	—	34·0	34·0	34·1	34·1	34·2	34·7	35·64
40·6	40·5	40·3	40·2	40·2	40·0	40·0	39·6	39·2	39·4	39·6	39·4	38·82
43·1	43·3	43·6	43·2	43·0	42·6	42·8	42·4	42·4	42·4	42·6	43·0	41·80
41·4	41·0	40·4	40·0	40·0	39·4	39·2	39·0	38·6	38·4	38·4	38·3	40·77
40·0	39·8	39·2	39·2	38·6	38·2	37·7	37·2	36·5	36·2	35·2	35·2	38·15
43·0	43·6	44·3	45·5	45·8	46·2	46·4	46·2	45·8	45·4	45·4	45·4	41·49
47·6	46·5	46·4	46·0	45·9	46·0	—	—	—	—	—	—	
—	—	—	—	—	—	41·2	41·3	41·2	41·3	41·2	41·2	44·69
43·3	43·4	43·9	43·8	43·8	43·7	43·6	43·4	43·3	43·4	43·4	43·6	42·74
44·9	44·7	44·5	43·9	43·6	43·2	43·0	42·9	42·8	42·6	42·2	41·8	43·98
40·88	40·75	40·63	40·47	40·23	39·95	39·02	38·82	38·77	38·67	38·55	38·72	39·37

* Two minutes late.

VERTICAL FORCE.

One Scale Division = ·000094 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00007.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
MARCH.	1	78·4	78·8	77·5	78·8	78·8	78·8	79·3	79·8	79·7	80·1	80·4	81·4
	2	83·9	85·5	83·8	82·9	82·2	81·4	81·4	81·3	81·1	79·9	79·9	80·5
	3	85·3	85·3	84·9	84·7	83·0	82·1	82·1 [a]	79·5	79·3 [b]	79·5	79·1	79·5
	4	83·4	83·8	83·6	82·2	80·8	80·1	79·5	79·1	78·0	77·1	78·3	78·9
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	89·0	89·7	88·9	87·9	86·6	85·9	85·6	85·8	86·0	85·9	86·9	86·9
	7	80·6	84·6	84·6	84·7	82·4	82·2	84·4	85·9	84·0	82·6	80·3	80·5
	8	84·9	84·8	83·8	83·2	81·4	80·4	79·4	79·2	78·8	77·7	77·0	77·0
	9	77·4	77·9	77·2	76·6	75·3	74·5	73·6	74·0	72·9	72·7	71·7	70·9
	10	77·7	78·2	77·2	77·1	76·6	76·2	77·0	76·6	75·6	75·2	74·8	75·1
	11	72·6	72·9	72·2	71·9	72·0	71·3	72·3	71·7	72·6	72·6	71·2	71·2
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	78·7	78·9	80·6	79·9	77·2	77·9	76·1	74·1	72·8	73·5	72·2	72·9
	14	80·6	81·2	81·3	80·8	79·6	79·6	80·8	80·3 [c]	80·3	78·5	77·7	76·8
	15	77·0	77·0	77·7	78·4	76·7	76·7	76·4	75·8	75·8	74·7	75·4	74·7
	16	79·9	80·7	80·4	80·2	78·5	77·9	77·4	76·4	75·8	75·8	76·8	75·7
	17	81·3	81·8	82·0	81·5	80·1	78·4	79·7	77·3	77·6	76·8	76·4	77·8
	18	81·7	81·7	81·6	81·3	79·6	77·8	77·5	77·5	78·3	78·3	78·6	78·7
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	82·6	82·6	83·3	82·8	80·3	80·3	79·9	79·8	79·5	78·3	76·9	77·8
	21	80·7	81·2	81·2	80·8	78·7	78·2	77·9	77·7	79·1	79·4	78·5	78·0
	22	77·1	79·6	78·7	79·6	77·3	76·7	75·9	75·6	75·0	76·4	75·4	74·9
	23	79·2	81·4	81·6	82·3	80·7	79·7	79·8	80·8	82·5	81·1	81·2	83·4
	24	84·4	84·4	84·2	82·1	79·3	78·3	78·0	78·0	76·7	75·1	76·3	75·8
	25	80·7	81·0	80·5	79·7	77·0	75·2	75·2	74·9	74·8	73·5	73·5	75·0
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	81·0	81·1	81·3	80·4	79·8	79·8	80·4	79·7	79·7	79·9	80·2	79·8
	28	77·2	76·6	76·3	76·0	74·3	72·6	69·1	70·5	68·6	70·6	71·3	71·3
	29	77·0	76·1	76·1	74·5	74·4	72·4	70·4	71·4	73·5	76·8	78·7	75·7
	30	75·9	77·6	77·2	75·7	74·2	73·2	72·4	72·6	72·3	72·3	71·7	71·8
	31	76·3	76·3	76·2	75·4	74·8	74·5	75·0	75·9	76·7	77·2	77·3	77·5
Hourly Means		80·17	80·77	80·51	80·05	78·58	77·86	77·65	77·45	77·30	77·09	76·95	77·02

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
MARCH.	1	41·2	40·5	40·9	40·1	40·1	40·0	40·0	40·0	40·0	40·0	39·3	39·6
	2	36·3	36·0	36·2	36·4	36·8	37·4	37·4	37·8	38·4	38·4	39·0	39·4
	3	36·0	36·4	36·0	36·2	36·6	37·4	38·5 [a]	38·9	39·5 [b]	39·8	40·0	40·0
	4	37·4	37·1	37·4	38·4	38·8	39·4	39·8	40·4	41·3	41·9	42·3	42·0
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	33·2	32·8	33·1	33·5	34·2	34·6	35·2	35·9	36·2	37·2	38·1	38·8
	7	39·4	33·2	37·4	37·7	38·0	39·1	39·2	39·4	39·8	40·8	41·0	41·1
	8	38·4	38·3	38·2	38·2	39·2	40·0	40·4	40·8	41·2	41·8	42·6	42·6
	9	41·7	41·5	42·4	42·6	43·0	43·5	44·2	44·6	45·6	46·2	46·4	46·9
	10	42·2	42·1	42·0	41·9	42·0	42·2	42·6	42·9	43·4	43·5	44·2	44·4
	11	46·4	45·9	46·2	45·5	45·4	45·5	45·9	46·4	46·2	46·6	47·0	47·3
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	41·4	41·4	41·1	40·9	42·0	42·5	43·4	44·2	45·0	45·4	45·8	45·7
	14	40·9	40·2	39·4	39·0	40·0	40·5	40·8	41·0 [c]	41·2	41·8	42·2	43·2
	15	43·6	43·2	42·7	42·4	43·0	43·2	43·7	44·2	44·4	44·7	44·5	45·0
	16	40·9	40·3	40·2	40·2	40·3	40·8	41·9	43·0	44·0	43·9	44·0	44·4
	17	39·3	39·0	38·9	39·9	39·9	41·0	42·0	42·8	43·4	43·6	43·9	43·5
	18	39·2	39·1	39·2	40·0	40·2	40·9	41·3	41·6	41·6	41·6	41·6	41·0
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	39·0	38·8	38·4	38·2	38·7	39·2	40·0	40·2	41·0	42·2	42·8	42·6
	21	39·8	40·0	40·0	40·0	40·6	41·2	41·4	41·6	42·0	42·0	42·4	42·4
	22	41·5	40·8	40·4	40·6	41·3	42·0	43·0	43·5	43·8	43·9	44·4	44·7
	23	40·2	40·0	39·7	39·4	39·7	39·7	39·5	39·5	39·7	39·9	40·1	39·2
	24	36·8	37·2	38·0	38·7	39·4	40·0	40·2	40·6	41·4	42·5	43·0	43·0
	25	39·7	39·6	39·6	39·8	41·3	42·0	42·2	42·6	43·3	44·2	44·4	43·4
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	39·6	39·4	39·5	39·4	39·4	39·7	40·0	40·2	40·4	40·5	40·5	40·5
	28	42·0	42·0	42·4	42·6	43·0	43·8	45·0	46·0	46·7	47·0	46·6	46·4
	29	41·7	41·9	43·0	43·2	43·4	43·8	45·4	46·4	47·2	47·8	47·8	48·0
	30	43·2	43·1	43·6	44·0	44·5	45·2	46·0	46·5	47·2	48·0	48·2	47·6
	31	44·0	43·7	44·1	43·7	43·6	43·2	43·2	43·2	43·0	42·9	42·4	42·4
Hourly Means		40·19	39·94	40·00	40·09	40·53	41·03	41·56	42·01	42·48	42·89	43·13	43·15

[a] Two minutes late. [b] Five minutes late. [c] Three minutes late.

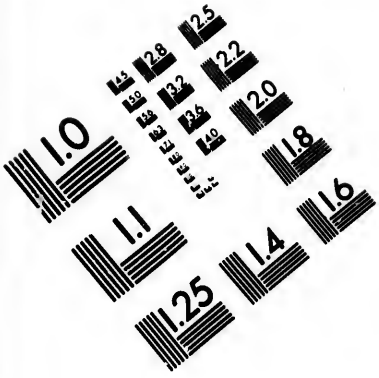
VERTICAL FORCE.

One Scale Division = ·000094 parts of the V. F. Change in the magnetic moment of the Bar for 1° c'ah'. = ·00007.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
81·9	81·1	81·1	81·9	81·8	81·8	81·8	82·1	82·1	82·9	83·0	82·9	80·69
81·4	81·4	81·7	82·0	82·0	83·0	83·5	83·8	84·5	85·7	85·9	85·4	82·67
79·5	79·9	80·0	80·0	81·3	81·3	81·6	82·0	82·0	82·3	82·3	82·4	81·62
80·2	81·1	81·9	82·3	83·7	83·7	—	—	—	—	—	—	
—	—	—	—	—	—	81·6	80·1	80·7	84·2	88·6	89·0	81·75
90·8	97·2	97·4	95·9	90·2	84·1	77·5	72·6	76·6	82·5	80·6	78·3	86·20
80·5	80·5	80·5	81·4	83·0	83·6	83·3	83·1	83·5	84·7	85·0	84·1	82·92
77·3	78·0	76·8	76·8	76.6	76·6	76·6	77·2	77·2	77·5	75·8	76·8	78·78
70·7	71·9	72·4	74·5	75·7	75·7	75·9	76·3	76·6	76·6	77·2	76·6	74·80
75·9	75·9	76·5	76·5	74·2	74·2	73·1	7	72·9	73·3	72·9	72·6	75·35
72·1	72·3	73·9	73·9	72·6	72·6	—		—	—	—	—	
—	—	—	—	—	—	82·5		69·7	71·3	74·9	78·2	73·11
74.4	75·4	76·1	75·0	77·8	80·2	77·2	73·9	73·6	78·5	79·4	79·3	76·48
76·5	76·8	76·8	76·8	75·1	75·8	77·0	77·0	76·6	75·7	75·7	76·5	78·07
74·4	75·2	75·7	75·7	75·7	76·2	75·7	76·8	77·1	77·5	78·6	79·2	76·42
74·7	73·4	73·4	75·1	75·9	76·4	77·1	79·1	79·5	80·4	80·9	81·6	77·62
79·8	84·8	85·8	82·0	79·3	79·7	79·7	79·7	79·7	80·3	80·3	81·7	80·15
78·7	79·3	83·9	85·3	84·5	87·7	—	—	—	—	—	—	
—	—	—	—	—	—	80·6	80·6	80·6	80·6	81·5	81·4	80·72
79·2	79·5	80·2	80·7	80·7	80·7	79·7	79·6	79·6	79·6	79·6	79·6	80·12
78·3	78·7	79·3	79·3	79·3	78·8	77·7	77·3	78·4	78·4	78·4	78·1	78·89
74·5	75·5	76·5	77·0	76·1	76·7	75·5	74·8	74·4	76·3	77·3	78·0	76·45
83·4	83·4	83·4	83·1	83·1	83·0	85·3	85·3	85·3	85·4	85·4	84·4	82·68
77·3	78·1	79·3	79·3	80·0	79·9	80·5	80·5	80·8	80·8	80·8	80·6	79·60
76·2	77·2	77·9	78·4	78·7	79·3	—	—	—	—	—	—	
—	—	—	—	—	—	81·2	81·5	81·6	81·5	81·1	81·2	78·20
79·3	79·3	79·3	79·3	79·7	79·0	78·5	77·6	77·6	77·6	77·6	77·2	79·38
71·4	71·2	71·2	72·3	72·7	73·8	73·8	74·2	75·4	75·2	75·9	76·4	73·25
73·3	74·7	75·8	75·8	75·8	74·9	73·6	73·9	74·9	75·2	75·2	75·8	74·83
73·1	73·3	73·2	73·5	72·6	69·9	74·5	75·4	75·7	75·7	75·7	75·7	73·97
77·7	77·1	76·9	76·9	76·1	76·4	76·5	76·4	76·4	76·4	76·4	76·4	76·30
77·50	78·23	78·77	78·91	78·67	78·70	78·58	78·16	78·26	79·12	79·48	79·61	78·56

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
38·4	38·6	38·4	39·0	38·8	38·8	38·8	38·6	38·2	37·8	37·2	36·9	39·22
39·2	39·2	39·0	38·9	38·5	38·0	37·3	36·8	36·2	36·0	35·5	35·8	37·50
40·0	40·0	40·0	40·0	38·0	37·8	38·7	39·2	39·0	39·0	38·5	38·0	38·48
41·4	40·5	40·0	39·8	39·4	39·0	—	—	—	—	—	—	
—	—	—	—	—	—	39·0	39·2	39·7	39·6	39·4	39·4	38·19
38·7	38·2	38·0	37·7	37·1	37·0	37·1	38·0	38·2	38·2	39·1	39·8	36·46
41·4	41·2	41·2	40·8	40·2	40·0	39·8	39·2	38·7	38·2	38·0	38·1	39·50
42·5	42·6	43·0	43·0	43·2	43·3	43·0	42·8	42·6	42·4	42·1	42·0	41·42
47·2	46·5	46·0	45·4	44·4	44·2	43·9	43·4	43·2	43·0	43·0	42·6	44·22
44·6	44·8	44·9	45·1	45·2	45·4	45·6	45·9	46·0	46·0	46·2	46·7	44·16
47·4	47·6	47·4	47·2	47·0	46·2	—	—	—	—	—	—	
—	—	—	—	—	—	40·0	40·0	40·2	40·6	41·2	41·5	45·03
45·4	45·1	44·6	44·6	44·0	43·4	43·0	42·7	42·4	42·3	41·6	41·6	43·31
43·6	43·5	43·5	43·4	43·4	43·3	42·9	42·8	42·8	43·2	43·3	43·6	42 06
45·1	44·6	44·4	44·2	44·2	43·8	43·4	43·2	42·7	42·3	42·0	41·4	43·58
44·8	44·8	45·7	45·2	44·2	43·6	43·2	42·2	41·4	40·4	40·2	39·7	42·47
43·0	42·8	42·9	42·7	42·2	41·8	41·6	41·3	41·0	40·5	40·0	39·6	41·52
40·6	40·5	40·4	40·2	40·0	38·8	—	—	—	—	—	—	
—	—	—	—	—	—	39·8	40·0	39·7	39·3	39·1	39·2	40·20
42·2	42.2	41·8	41·4	41·4	41·1	40·6	40·4	40·0	39·9	39·8	39·9	40·49
42·1	41·4	41·2	41·0	40·8	41·0	41·4	41·4	41·4	41·4	41·4	41·7	41·23
44·9	45·7	45·6	44·9	44·8	44·4	43·8	43·6	42·2	41·6	41·4	40·4	43·05
39·1	39·0	38·7	37·9	37·4	37·0	36·6	37·0	36·7	36·2	36·3	36·6	38·55
42·2	41·2	40·6	40·2	39·9	39·9	40·0	40·0	39·8	39·5	39·7	39·6	40·14
42·9	42·0	41·4	41·0	40·4	39·9	—	—	—	—	—	—	
—	—	—	—	—	—	39·2	39·0	38·9	39·2	39·8	39·8	41·07
40·5	40·1	40·0	39·9	39·6	40·2	40·4	40·8	41·0	41·2	41·2	41·6	40·23
46·3	46·4	46·6	46·2	45·6	45·0	44·4	44·2	43·6	42·9	42·2	41·8	44·53
47·7	47·6	47·4	47·2	46·6	46·2	46·4	45·4	45·0	44·4	43·8	43·4	45·45
47·2	46·8	46·6	46·2	45·5	45·0	44·4	44·2	44·0	44·0	44·3	44·2	45·40
42·4	42·5	42·5	42·8	43·0	43·0	42·9	43·2	43·0	43·0	43·0	42·8	43·06
42·99	42·79	42·66	42·44	42·03	41·74	41·16	41·06	40·80	40·60	40·49	40·43	41·51



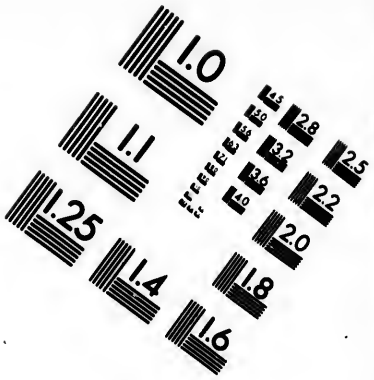
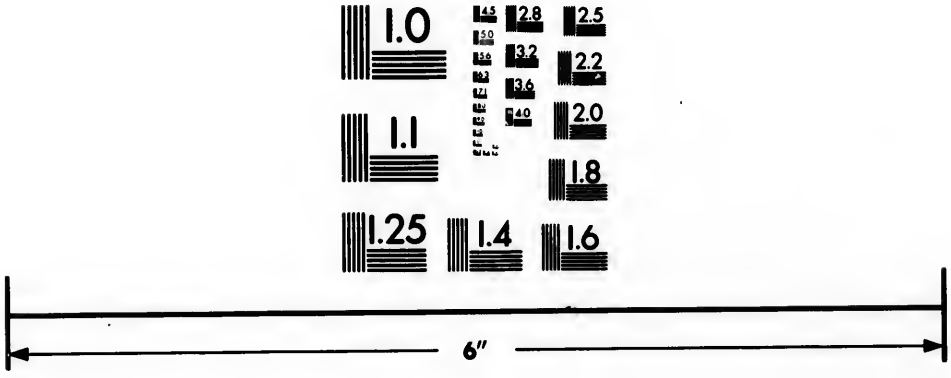


IMAGE EVALUATION TEST TARGET (MT-3)



Photographic Sciences Corporation

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WEBSTER, N.Y. 14580
(716) 872-4503

VERTICAL FORCE.

One Scale Division = ·000094 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
APRIL.	1	77·0	77·0	77·0	76·2	75·0	72·8	72·8	71·9	72·0	71·3	71·4	71·1
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	77·7	76·9	76·0	74·3	72·3	70·5	69·7	68·3	68·8	68·8	67·3	66·9
	4	74·3	74·0	78·2	73·6	72·6	71·5	70·7	70·7	70·8	72·1	72·3	72·5
	5	71·6	71·3	69·6	67·3	64·7	63·6	69·0	72·5	76·7	78·7	89·0	87·2
	6	60·2	61·5	60·2	61·1	62·3	63·4	63·4	63·6	65·5	66·2	70·7	70·3
	7	71·5	70·9	70·4	68·2	67·0	66·9	69·6	68·3	70·2	72·8	71·6	71·1
	8	69·4	69·1	67·9	67·4	65·4	63·8	63·8	73·5	74·1	73·7	73·3	69·7
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	74·3	75·6	75·6	73·7	72·4	71·7	71·4	70·6	71·7	72·6	70·8	70·6
	11	74·5	73·1	72·3	70·5	68·6	68·0	67·2	67·7	67·8	69·1	69·1	67·4
	12	71·2	70·0	68·4	66·9	64·8	63·7	63·7	65·2	64·9	63·9	63·9	67·0
	13	69·0	67·7	66·0	65·8	64·4	65·6	64·5	64·5	65·7	66·2	67·3	68·4
	14[a]	—	—	—	—	—	—	—	—	—	—	—	—
	15	63·0	63·6	63·8	63·7	63·5	61·1	61·0	62·3	61·7	61·7	60·4	60·8
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	68·6	66·6	66·5	64·9	63·5	63·5	64·4	64·5	64·8	65·2	65·4	65·7
	18	67·4	67·4	68·3	69·1	69·1	68·4	68·0	67·2	69·6	69·3	69·3	69·9
	19	69·6	69·6	69·6	69·6	68·6	67·7	67·4	66·6	65·7	65·9	65·4	65·6
	20	60·7	61·0	61·0	60·8	61·1	60·5	60·6	61·4	60·8	60·7	60·5	59·2
	21	63·2	61·0	59·7	57·9	57·2	56·3	55·0	54·4	55·1[b]	54·5	53·5	53·5
	22	57·4	56·8	56·1	55·5	53·5	52·1	52·1	52·8	53·5	54·8	54·7	55·0
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	53·3	52·8	51·4	51·0	51·0	51·0	52·4	52·9	52·3	52·9	52·8	51·8
	25	56·3	55·2	55·3	55·4	54·2	52·7	52·8	53·5	54·4	53·6	54·1	53·4
	26	56·3	56·1	56·2	55·3	53·4	52·4	52·4	52·9	52·9	52·4	52·6	52·4
	27	55·2	55·2	54·3	54·4	54·6	54·6	55·0	55·8	56·3	56·1	55·8	55·4
	28	56·7	56·3	54·4	52·8	51·3	50·6	52·0	51·0	49·9	48·9	47·5	47·6
	29	55·2	55·3	56·0	56·0	56·4	57·1	57·1	57·6	59·0	59·4	58·6	58·6
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		65·57	65·17	64·76	63·81	62·79	62·06	62·33	62·90	63·51	63·78	64·05	63 80

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.
		°	°	°	°	°	°	°	°	°	°	°	°
APRIL.	1	42·1	41·8	42·5	42·4	43·2	44·2	44·6	45·5	46·2	46·4	46·9	47·2
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	41·5	41·5	42·3	43·0	44·3	45·6	46·6	48·1	49·2	50·0	50·8	51·4
	4	45·2	45·1	45·2	45·0	45·2	45·9	47·6	47·2	46·8	46·6	46·7	46·6
	5	46·0	46·1	47·2	48·2	49·3	50·0	50·6	51·0	51·6	52·2	52·4	52·8
	6	51·2	50·8	51·4	52·1	52·3	52·8	53·0	53·0	53·0	52·6	52·6	53·0
	7	47·2	47·3	47·5	47·8	48·4	48·8	49·2	49·7	49·9	50·2	50·6	50·4
	8	49·1	49·2	49·5	49·2	50·7	51·2	52·6	52·4	52·7	53·2	53·2	53·4
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	45·3	44·8	45·1	45·4	46·4	46·6	47·2	47·4	47·9	48·4	49·2	49·2
	11	46·9	47·0	47·0	48 2	49·2	50·0	49·8	50·2	50·6	50·9	51·2	52·2
	12	48·9	49·5	50·0	50·4	51·2	52·4	53·2	54·2	55·0	56·0	56·7	57·2
	13	50·8	51·6	52·0	51·6	51·7	52·0	52·2	52·8	52·8	53·0	52·7	52·6
	14[a]	—	—	—	—	—	—	—	—	—	—	—	—
	15	53·0	53·0	53·0	53·2	53·7	54·8	55·6	56·0	56·7	57·4	58·0	58·2
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	50·0	50·8	51·2	52·4	53·0	53·2	53·2	53·4	53·4	53·4	53·4	53·1
	18	50·2	49·4	49·2	49·2	49·0	48·6	48·4	48·5	48·5	48·4	48·4	48·4
	19	47·4	47·4	47·2	47·2	47·4	48·0	48·8	49·6	50·2	50·6	50·9	51·1
	20	54·0	53·6	53·4	53·2	53·2	53·7	54·2	54·6	55·0	55·3	55·0	56·2
	21	52·4	52·6	53·5	55·0	56·1	56·5	57·2	57·9	58·3[b]	59·1	59·4	60·0
	22	57·1	57·2	57·3	58·0	58·4	59·0	59·2	59·4	59·2	59·0	59·0	59·0
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	59·4	59·8	60·0	60·0	60·0	60·0	60·0	60·0	60·3	60·5	60·6	60·9
	25	58·0	57·7	57·6	57·6	58·0	58·2	58·5	58·7	58·7	59·2	59·3	59·3
	26	57·0	56·7	56·6	56·7	57·2	57·8	58·2	58·9	59·2	59·7	60·2	60·0
	27	58·0	57·4	57·2	57·0	56·7	56·7	57·0	57·1	57·7	58·2	58·9	59·1
	28	57·3	57·2	58·0	58·8	59·4	60·0	60·0	60·7	62·5	62·8	63·5	63·3
	29	59·0	58·2	57·5	57·0	56·5	56·3	56·2	56·2	55·2	55·2	55·2	54·8
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		51·12	51·07	51·31	51·61	52·10	52·60	53·05	53·44	53·77	54·09	54·37	54·56

[a] Good Friday.

[b] Three minutes late.

VERTICAL FORCE.

One Scale Division = ·000094 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

12^{h}.	13^{h}.	14^{h}.	15^{h}.	16^{h}.	17^{h}.	18^{h}.	19^{h}.	20^{h}.	21^{h}.	22^{h}.	23^{h}.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
72·4	72·7	72·7	72·7	73·2	73·5	—	—	—	—	—	—	74·40
—	—	—	—	—	—	76·9	76·7	76·7	77·3	77·3	78·0	
60·6	60·5	65·6	66·4	67·0	68·4	70·1	70·2	71·4	72·3	72·0	72·2	69·76
72·8	72·3	71·9	72·8	72·8	71·9	71·9	72·	72·0	72·0	71·6	70·7	72·42
89·6	92·5	68·8	76·1	69·8	67·7	63·2	57·3	56·4	43·3	46·7	49·0	69·23
76·0	75·5	79·7	67·8	68·4	55·9	62·9	67·3	70·0	69·9	70·8	70·4	66·79
71·2	68·2	68·8	70·7	61·9	63·0	64·8	65·0	63·2	62·8	68·8	69·3	68·18
68·8	69·7	70·5	68·5	68·5	68·2	—	—	—	—	—	—	69·67
—	—	—	—	—	—	72·5	70·4	70·4	70·4	70·4	72·6	
70·6	70·6	70·6	70·8	70·5	70·5	70·5	71·4	71·6	69·7	69·4	71·8	71·63
66·9	65·9	66·1	66·1	65·9	65·8	66·4	65·2	66·4	66·0	67·5	70·3	68·08
67·2	67·3	67·5	61·5	59·9	57·0	56·7	65·1	65·1	66·4	66·4	63·7	64·89
68·9	68·3	67·6	67·0	67·2	67·0	—	—	—	—	—	—	64·82
—	—	—	—	—	—	57·7	58·8	60·2	59·3	58·9	59·6	
61·1	60·6	60·8	60·8	60·8	61·0	—	—	—	—	—	—	63·07
—	—	—	—	—	—	65·7	66·4	67·2	66·4	67·7	68·6	
65·7	66·0	68·9	67·5	70·6	66·4	62·5	67·2	66·2	65·5	65·8	66·9	65·95
70·4	70·7	70·0	70·0	70·0	68·6	69·4	69·4	69·6	69·6	69·6	69·6	69·16
65·1	64·4	63·3	62·3	60·5	60·1	55·8	57·4	58·8	58·6	60·3	61·0	64·12
58·0	58·0	58·5	58·0	58·0	58·8	59·6	60·5	61·1	61·3	62·6	63·2	60·25
53·0	53·0	53·1	53·2	53·6	54·8	56 0	56·0	55·7	55·9	56·4	56·9	55·79
55·4	56·0	56·0	56·0	56·0	56·4	—	—	—	—	—	—	54·49
—	—	—	—	—	—	53·6	53·4	50·7	53·3	53·3	53·3	
51·9	51·5	51·9	51·9	52·4	52·2	53·2	53·2	53·2	54·0	54·3	55·2	52·52
53·4	54·4	54·4	54·7	55·3	54·5	55·0	56·3	56·6	57·3	56·4	56·3	54·81
52·1	51·6	51·9	52·0	52·0	51·8	51·9	51·7	51·6	51·4	53·8	53·8	52·95
53·3	53·5	52·9	53·9	53·9	54·0	53·7	53·6	54·6	55·2	55·8	56·3	54·73
47·1	47·1	47·1	47·1	47·1	48·5	49·2	49·8	50·5	50·2	51·8	53·3	50·33
59·6	58·8	59·3	59·7	60·0	60·8	—	—	—	—	—	—	59·70
—	—	—	—	—	—	63·6	64·4	64·4	65·0	65·1	65·8	
63·80	63·71	63·25	62·81	62·30	61·53	61·78	62·45	62·65	62·21	63·03	63·66	63·24

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
46·4	46.6	46·5	46·4	45·9	45·5	—	—	—	—	—	—	44·40
—	—	—	—	—	—	43·6	43·0	42·4	42·4	42·0	41·8	
52·0	51·7	51·6	50·9	50·0	49·4	48·4	48·0	47·2	46·5	46·2	45·7	47·58
46·7	46·6	46·5	46·6	46·4	46·6	46·6	46·5	46·5	46·4	46·3	46·0	46·28
53·0	53·5	53·4	53·2	52·7	52·5	52·2	52·2	52·0	52·0	51·7	51·6	51·14
53·0	52·7	52·0	52·7	52·7	53·0	52·2	51·0	50·0	49·2	48·5	47·9	51·78
50·2	50·2	50·3	49·9	49·6	49·6	49·2	49·2	49·2	49·3	49·1	49·0	49·24
52·8	52·4	52·2	52·1	51·7	51·7	—	—	—	—	—	—	50·21
—	—	—	—	—	—	46·7	46·2	46·2	45·7	45·4	45·5	
49·4	49·2	49·2	49·2	49·2	49·2	48·7	48·2	47·7	47·4	47·4	47·1	47·70
53·0	53·4	53·0	52·3	52·3	52·1	52·1	51·2	50 6	50·0	49·6	49·2	50·50
57·4	57·2	56·9	56·6	55·8	55·2	54·7	54·0	53·2	52·4	52·2	51·8	53·84
52·4	52·6	52·5	52·5	52·2	52·0	—	—	—	—	—	—	52·49
—	—	—	—	—	—	53·4	53·5	53·5	53·2	53·2	52·9	
58·2	58·2	58·1	57·9	57·3	57·0	—	—	—	—	—	—	54·87
—	—	—	—	—	—	52·6	52·0	51·4	50·8	50·6	50·2	
53·0	52·5	52·3	52·2	52·0	51·6	51·6	51·4	51·2	51·2	51·0	50·7	52·13
48·2	48·2	48·2	48·2	48·2	48·2	47·9	47·4	47·4	47·4	47·4	47·4	48·35
50·8	51·2	51·7	52·3	53·1	53·4	54·3	54·6	54·0	54·2	54·2	54·2	50·99
56·7	56·8	56·3	56·4	56·2	55·6	55·2	54·5	53·8	53·4	53·2	52·8	54·68
60·6	60·0	60·0	59·6	58·8	58·9	58·9	58·2	58·1	57·7	57·3	57·2	57·61
58·4	58·3	58·0	57·9	57·6	57·3	—	—	—	—	—	—	58·68
—	—	—	—	—	—	60·0	59·8	59·8	59·8	59·8	59·8	
60·7	60·2	60·2	60·3	60·2	60·1	59·6	59·7	59·5	58·6	58·3	58·2	59·89
59·2	59·0	58·4	58·2	57·9	57·3	57·3	57·4	57·4	57·0	57·2	57·2	58·10
60 0	60·3	60·2	59·7	59·7	59·5	59·5	59·6	59·4	59·0	58·8	58·4	58·85
59·4	59·7	59·7	59·2	59·0	59·0	59·2	58·4	58·2	58·0	57·8	58·0	58·19
63·5	63·5	63·2	62·6	62·3	62·0	61·6	61·3	61·0	59·6	59·8	59·6	61·00
54·2	54·2	54·1	54·0	53·8	53·4	—	—	—	—	—	—	54·20
—	—	—	—	—	—	50·3	50·2	50·1	49·8	49·5	49·8	
54·52	54·51	54·35	54·20	53·94	53·75	53·17	52·81	52·49	52·13	51·94	51·75	53·03

VERTICAL FORCE.

One Scale Division = ·000094 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.	12^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
MAY.	1	66·5	66·8	66·4	65·0	64·8	65·3	66·3	70·4	66·7	63·2	85·5	65·8	68·0
	2	67·3	66·5	66·4	66·8	66·8	67·3	67·2	66·2	69·3	66·4	66·2	66·2	65·7
	3	66.0	63·4	63·3	61·9	57·4	58·2	57·9	57·0	57·5	57·8	57·0	56·5	56·8
	4	60·6	60·6	60·3	60·3	59·4	59·1	58·0	57·4	58·6	58·8	59·8	61·5	61·5
	5	64·9	64·0	62·5	61·1	60·2	60·2	60·2	61·9	62·8	62·5	62·5	62·3	62·7
	6	65·0	64·4	63·9	63·0	61·6	59·4	58·6	58·7	61·1	62·0	80·9	104·1	108·3
	7	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	59·0	59·0	60·3	60·3	60·3	59·3	58·5	57·9	58·6	57·7	58·3	58·9	61·0
	9	61·0	61·3	60·2	59·0	58·0	57·7	57·0	53·0	58·0	58·8	59·8	56·8	56·4
	10	59·3	57·9	56·5	53·8	56·5	57·3	56·5	57·7	59·4	58·4	57·8	58·7	59·7
	11	57·6	57·1	55·8	54·6	52·4	52·4	51·5	51·8	51·4	51·1	50·7	51·5	51·5
	12	53·1	53·1	52·9	51·5	51·1	49·8	48·0	47·7	49·0	49·2	49·0	49·8	50·5
	13	53·4	54·4	53·5	51·9	50·5	49·2	47·8	47·3	47·2	46·2	46·0	46·1	45·8
	14	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	47·5	46·8	44·4	41·3	39·3	38·7	39·3	38·8	40·2	43·4	42·3	42·5	42·3
	16	44·2	46·6	46·9	45·9	45·5	44·0	43·2	43·5	44·9	45·8	47·5	47·2	47·7
	17	54·3	52·7	51·6	50·3	49·5	50·2	50·2	50·2	51·0	52·2	53·9	54·7	54·7
	18	59·6	59·6	56·9	55·6	53·9	52·9	53·4	53·8	54·2	54·2	53·2	53·3	53·2
	19	53·2	53·2	56·4	55·3	53·4	52·0	52·6	53·1	53·2	53·9	54·3	54·0	53·8
	20	60·5	58·8	57·1	56·1	54·2	53·3	52·1	52·0	52·9	53·2	53·0	57·4	52·4
	21	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	56·0	56·0	56·0	54·2	52·0	51·7	51·4	51·8	52·3	52·1	52·7	53·4	53 2
	23	55·4	54·1	53·3	51·7	49·6	48·9	48·6	47·6	49·3	50·6	51·4	51·8	54·7
	24	56·9	56·0	54·9	54·9	53·1	52·9	53·0	52·4	52·4	52·1	51·4	50·4	49·2
	25	56·3	54·8	52·8	51·0	51·0	51·0	50·5	50·9	52·0	51·2	50·4	50·8	49·7
	26	54·8	54·8	54·8	52·6	51·5	51·5	50·4	51·0	52·1	55·1	57·4	55·9	56·9
	27	53·0	53·1	52·8	52·8	52·1	51·7	51·0	51·4	52·1	54·2	53·3	52·6	53·4
	28	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	57·1	56·0	54·5	53·3	52·5[a]	51·0	49·2	50·4	50·6	51·6	51·3	52·3	50·3
	30	54·7	54·6	53·6	52·5	51·1[b]	51·1	51·1	51·5	53·7	55·4	55·5	55·9	56·9
	31	60·9	60·3	59·1	58·9	57·4	57·4	57·7	57·5	58·8	58·8	59·3	59·7	59·9
Hourly Means		57·71	57·26	56·56	55·39	54·26	53·83	53·38	53·63	54·42	54·66	55·55	56·67	56·79

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°	°
MAY.	1	49·4	49·4	49·7	49·9	50·3	49·6	49·3	49·6	49·1	49·3	48·4	48·6	49·0
	2	49·0	49·4	49·7	48·9	48·5	48·0	48·1	49·0	50·0	50·2	50·4	51·0	51·2
	3	49·4	50·5	50·4	51·6	52·9	53·3	54·1	54·3	55·0	55·3	56·0	56·1	56·1
	4	53·0	52·8	52·8	52·7	52·7	52·7	53·0	53·0	53·1	53·3	53·5	53·2	52·8
	5	50·0	50·2	51·0	51·4	51·4	51·2	51·1	51·0	50·8	51·0	51·4	51·6	51·2
	6	49·7	49·7	49·7	50·1	50·3	51·2	52·0	53·0	53·3	54·2	55·0	55·4	56·1
	7	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	55·4	55·4	55·7	55·7	56·0	56·2	56·5	57·0	57·6	57·8	58·0	57·9	58·0
	9	55·2	55·2	56·0	57·0	57·3	57·6	57·8	58·0	58·2	59·0	59·0	59·0	59·0
	10	57·0	57·0	57·0	57·5	57·7	58·0	58·2	58·3	58·7	58·9	58·9	58·6	58·2
	11	57·6	58·2	59·0	59·1	59·4	60·0	60·2	60·6	60·9	61·1	61·5	61·6	61·6
	12	59·0	59·3	59·4	60·0	60·5	60·6	60·8	61·5	61·9	62·5	62·9	63·0	63·0
	13	60·0	59·5	60·0	60·5	60·7	61·5	62·0	62·9	63·3	64·0	64·5	64·8	64·9
	14	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	62·5	63·3	63·8	64·7	65·5	66·0	66·5	66·3	66·6	66·7	67·1	67·5	67·9
	16	63·0	63·0	63·2	63·4	63·5	63·5	63·5	63·2	63·3	63·5	63·9	64·2	64·3
	17	58·0	58·2	58·4	59·0	59·0	59·0	59·0	59·8	60·0	60·1	60·0	60·0	60·0
	18	55·7	56·0	56·2	57·2	57·8	58·0	58·1	58·2	58·3	58·6	58·9	59·1	59·2
	19	55·0	55·0	55·4	56·0	56·4	57·0	57·4	58·0	58·2	58·7	58·9	59·0	59·0
	20	54·2	54·4	55·0	56·2	57·0	57·7	58·2	58·6	59·0	59·4	60·0	60·0	60·0
	21	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	57·2	57·0	57·0	57·5	58·0	58·1	58·2	58·6	59·0	59·2	59·2	59·1	59·1
	23	57·2	58·0	58·2	58·2	59·0	59·2	59·4	59·4	59·8	60·1	60·2	60·0	60·0
	24	56·5	56·7	57·2	57·7	58·0	58·2	58·5	59·0	59·5	60·0	60·5	61·2	61·5
	25	56·7	57·2	57·7	58·7	59·2	59·4	60·0	60·0	60·0	60·0	60·5	60·8	61·2
	26	57·7	57·5	57·3	57·7	58·0	58·0	58·3	59·2	59·2	59·3	59·4	59·7	59·5
	27	59·2	59·0	59·0	58·9	59·0	59·0	59·1	59·5	59·6	59·6	59·5	60·6	59·6
	28	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	56·2	56·5	57·5	58·2	59·0[a]	59·5	59·4	60·0	60·1	60·2	60·4	60·8	61·5
	30	58·0	58·0	58·4	59·2	59·4[b]	60·0	60·0	59·3	59·1	58·2	57·3	57·2	56·8
	31	53·5	53·0	53·2	53·1	53·0	53·0	53·0	53·0	53·1	53·2	53·2	53·2	53·0
Hourly Means		55·75	55·90	56·22	56·67	57·02	57·24	57·47	57·79	58·03	58·27	58·46	58·61	58·66

[a] Three minutes late. [b] Five minutes late.

VERTICAL FORCE.

One Scale Division = ·000094 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00007.

12^h.	13^h.	14^h.	15^h.	16^h.	17^h.	18^h.	19^h.	20^h.	21^h.	22^h.	23^h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
68·0	66·6	66·3	66·2	66·3	67·6	67·3	67·3	67·7	67·3	67·5	67·3	66·59
65·7	63·3	63·2	62·9	63·2	63·1	63·5	63·3	64·6	64·9	66·0	66·0	65·60
56·8	57·4	57·7	58·9	58·9	58·9	58·9	59·0	59·5	59·9	60·2	60·6	59·19
61·5	61·5	62·1	62·5	62·8	62·4	63·5	63·6	63·4	63·4	64·7	65·3	61·30
62·7	63·1	63·0	63·4	64·1	63·8	64·3	64·1	64·1	64·4	64·1	65·0	62·97
108·3	83·1	66·9	60·4	63·6	71·5	—	—	—	—	—	—	}
—	—	—	—	—	—	50·7	55·7	59·3	60·5	55·8	53·7	} 66·34
61·0	59·8	61·4	61·1	60·9	59·8	51·6	51·6	51·6	57·4	62·5	62·3	58·70
56·4	5 ·1	56·1	56·2	55·6	55·9	52·1	52·1	52·5	53·1	57·9	59·3	57·03
59·7	59·3	59·4	54·5	54·2	56·2	55·3	51·4	53·1	56·3	57·0	56·9	56·80
51·5	51·5	52·1	52·4	52·7	52·8	52·6	51·6	53·6	53·6	53·6	53·0	52·87
50·5	50·5	50·5	47·6	44·5	47·9	49·1	51·0	51·9	52·1	52·0	52·0	50·16
45·8	46·6	46·1	46·1	46·5	46·1	—	—	—	—	—	—	}
—	—	—	—	—	—	45·9	45·9	46·8	47·2	47·5	47·5	} 47·98
42·3	42·1	42·1	43·2	41·3	43·7	40·3	40·5	40·5	45·6	41·9	40·8	42·02
47·7	47·7	47·4	48·1	45·4	44·4	43·8	46·3	47·9	51·0	52·2	53·9	46·71
54·7	53·7	53·7	53·7	53·7	53·9	51·8	52·2	56·1	57·7	59·1	59·6	53·36
53·2	53·2	52·7	54·0	54·7	55·5	55·3	55·3	55·4	57·0	57·0	53·3	54·88
53·8	53·8	53·6	53·6	53·7	53·7	55·5	56·4	56·8	56·5	58·8	60·5	54·64
52·4	51·3	51·0	51·1	51·1	52·4	—	—	—	—	—	—	}
—	—	—	—	—	—	52·7	52·9	53·3	53·6	54·5	55·9	} 53·87
53 2	53·5	53·5	53·5	53·6	53·6	53·7	53·9	54·3	54·6	54·6	55·4	53·63
54·7	52·5	52·5	52·1	53·2	53·5	54·1	55·1	55·5	56·1	56·8	57·5	52·62
49·2	49·5	48·4	49·9	50·7	51·9	52·5	52·5	52·6	54·3	54·8	55·7	52·60
49·7	49·7	49·7	50·7	50·7	51·3	51·3	51·5	51·9	52·8	53·7	54·8	51·69
56·9	58·1	58·2	54·7	52·4	49·7	50·0	50·0	50·0	50·7	51·8	52·3	53·20
53·4	53·7	52·3	52·2	53·5	53·5	—	—	—	—	—	—	}
—	—	—	—	—	—	52·0	50·0	47·9	50·6	54·4	58·9	} 52·60
50·3	49·6	49·6	49·8	50·6	42·2	43·6	50·8	50·4	51·5	55·3	56·1	51·23
56·9	57·2	56·2	57·2	57·3	57·0	58·1	58·5	58·5	59·8	60·5	62·2	55·84
59·9	60·1	60·3	60·5	60·8	61·1	61·3	61·4	61·7	62·5	63·4	63·5	60·10
56·79	55·71	55·04	54·69	54·67	54·94	53·73	54·29	54·85	56·09	56·95	57·38	55·35

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
49·0	49·2	49·4	49·2	48·7	48·9	48·9	48·9	48·5	48·5	48·8	48·5	49·13
51·2	51·7	52·0	52·0	51·7	51·9	52·0	50·4	50·0	49·8	49·4	49·2	50·15
56·1	55·6	55·4	55·0	54·6	54·3	54·0	53·8	53·4	53·2	53·2	53·0	53·77
52·8	52·4	52·2	51·7	51·1	51·0	50·7	50·3	50·0	49·6	49·6	49·8	51·96
51·2	51·1	50·9	50·4	50·2	50·4	50·2	50·0	49·8	49·2	49·8	49·9	50·63
56·1	56·4	56·4	57·2	56·9	57·3	—	—	—	—	—	—	}
—	—	—	—	—	—	56·5	56·4	56·4	56·1	55·7	55·7	} 54·20
58·0	57·8	57·4	57·4	57·2	57·0	56·6	56·0	55·8	55·4	55·2	54·8	56·57
59·0	59·0	59·2	59·0	58·8	58·4	58·0	58·2	57·6	57·2	57·1	57·0	57·82
58·2	58·2	58·2	58·1	58·1	58·0	57·9	57·7	57·7	57·6	57·5	57·3	57·93
61·6	61·5	61·5	61·3	61·0	60·5	60·0	60·0	59·8	59·2	59·0	58·9	60·15
63·0	62·5	62·5	62·3	62·0	61·5	61·3	61·0	61·0	61·0	60·5	60·0	61·25
64·9	64·7	64·7	64·0	64·0	63·7	—	—	—	—	—	—	}
—	—	—	—	—	—	64·7	63·7	63·5	63·3	63·0	62·5	} 62·93
67·9	68·0	67·8	67·1	66·5	65·7	65·2	65·1	64·3	63·5	63·2	62·5	65·55
64·3	64·0	63·7	62·6	61·5	60·8	60·6	59·9	59·3	59·0	58·5	58·0	62·22
60·0	60·0	59·2	59·5	59·0	58·4	57·8	56·3	55·3	55·3	55·2	55·0	58·40
59·2	59·2	59·2	59·1	58·5	58·0	57·4	57·2	57·0	56·5	56·0	55·2	57·69
59·0	59·0	58·8	58·3	58·2	57·4	56·8	56·2	55·8	55·4	54·5	53·7	57·00
60·0	60·0	60·5	60·2	59·8	59·4	—	—	—	—	—	—	}
—	—	—	—	—	—	59·2	59·0	58·4	58·0	57·7	57·2	} 58·30
59·1	59·0	58·8	58·6	58·4	58·0	58·0	58·2	58·0	58·0	57·6	57·4	58·22
60·0	59·8	59·8	59·8	59·4	58·6	58·2	57·6	57·0	56·6	56·2	55·7	58·64
61·5	61·5	61·5	61·0	60·2	59·8	59·2	59·0	58·3	57·8	57·3	57·0	59·05
61·2	60·8	60·7	60·3	60·0	59·6	59·3	59·2	58·9	58·6	58·2	58·0	59·37
59·5	59·1	59·5	60·0	61·0	61·3	62·0	62 5	61·5	60·0	59·7	59·3	59·45
59·6	59·5	59·2	59·0	58·7	58·4	—	—	—	—	—	—	}
—	—	—	—	—	—	59·2	58·8	58·2	57·9	57·2	56·2	} 58·89
61·5	61·5	61·4	60·9	60·5	60·0	60·0	59·4	59·0	58·3	57·8	57·0	59·38
56·8	56·2	56·0	56·0	55·6	55·0	54·2	53·5	53·3	53·1	52·7	52·2	56·61
53·0	52·8	52·5	52·2	52·0	51·5	51·2	50·7	50·2	50·0	49·8	49·4	52·20
58·66	58·54	58·46	58·23	57·91	57·59	57·37	57·00	56·59	56·23	55·94	55·57	57·31

VERTICAL FORCE.

One Scale Division = ·000094 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00007.

Mean Göttingen Time.		0^h.	1^h.	2^h.	3^h.	4^h.	5^h.	6^h.	7^h.	8^h.	9^h.	10^h.	11^h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
JUNE.	1	65·5	64·1	63·0	61·0	59·9	59·5	59·5	59·4	59·9	59·6	59·6	60·5
	2	61·1	61·9	61·2	60·9	60·9	61·2	60·7	60·6	60·9	59·9	60·9	61·3
	3	62·5	62·4	62·0	60·9	60·1	57·4	56·1	56·7	56·7	57·1	56·9	57·4
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	60·4	60·4	60·7	60·5	60·0	58·1	56·6	56·8	57·6	57·7	57·7	57·8
	6	60·1	59·5	59·5	58·6	57·4	56·9	54·9	54·3	54·8	55·2	55·3	55·2
	7	57·6	57·3	55·9	55·0	53·3	52·5	52·5	52·7	52·6	51·5	53·8	56·6
	8	56·1	55·0	55·0	54·3	53·2	53·5	53·8	54·9	54·0	55·3	56·0	56·0
	9	53·6	52·9	52·0	49·8	46·3	44·3	42·3	42·5	42·5	42·1	42·1	41·4
	10	43·5	44·1	46·0	47·0	45·3	46·5	47·8	48·7	50·0	50·0	52·5	53·6
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	52·3	52·3	52·0	50·3	49·7	48·3	48·3	47·7	47·0	47·0	47·8	47·0
	13	45·4	46·4	46·4	47·0	47·7	45·3[c]	45·3	47·8	46·2	46·2	46·2	47·6
	14	49·2	48·2	47·2	46·2	45·8	45·8	45·8	45·5	45·5	45·8	45·5	44·5
	15	48·5	47·7	47·2	45·8	45·8	45·8	45·1	45·9	46·9	46·5	46·4	46·8
	16	50·7	50·7	50·5	48·5	47·4	46·5	46·9	48·1	47·8	47·4	48·1	48·1
	17	50·3	50·8	49·4	48·0	48·5	44·8	45·8	45·9	47·4	47 6	46·1	45·5
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	45·8	46·1	45·5	44·6	43·0	42·2	42·2	42·0	42·4	43·1	43·5	42·8
	20	45·7	45·2	43·9	42·0	40·1	37·9	37·2	37·2	37·8	37·4	36·8	36·5
	21	40·7	40·7	39·½	38·2	37·3	36·3	35·5	34·5	32·7	32·1	31·0	29·5
	22	34·9	33·5	32·9	31·6	30·3	29·3	28·8	29·2	27·8	27·6	27·7	28·0
	23	33·8	33·8	32·5	32·1	32·1	32·1	32·3	32·2	32·2	31·9	31·4	30·8
	24	35·8	35·8	36·0	36.0	36·0	36·0	35·5	34·6	33·8	33·9	33·7	32·4
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	38·0	38·5	37·5	36·5	36·5	34·3	33·3	33·3	33·4	33·7	33·7	32·4
	27	34·8	32·8	32·8	31·7	30·5	28·3	26·9	26·1	24·7	24·4	24·7	25·0
	28	31·7	31·7	31·8	31·8	30·6	30·4	30·4	29·4	29·2	28·6	28·0	28·3
	29	32·1	33·1	32·9	32·0	31·0	31 0	30·5	30·2	31·4	30·9	30·9	29·4
	30	34·3	32·3	31·0	29·2	28·4	28·0	28·3	29·4	29·2	29·0	31·0	32·5
Hourly Means		47·09	46·82	46·32	45·37	44·50	43·55	43·17	43·29	43·25	43·10	43·36	43·34

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
JUNE.	1	49·2	49·3	49·5	50·2	50·3	50·8	51·2	51·7	52·2	52·9	53·2	53·2
	2	49·2	49·2	49·4	49·7	50·0	50·5	51·2	51·7	52·1	52·4	52·9	52·9
	3	52·0	51·7	52·0	52·7	53·3	54·0	55·0	55·3	55·6	56·0	56·0	56·2
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	54·0	53·7	53·7	53·7	53·7	54·0	54·7	54·7	54·9	55·2	55·5	55·6
	6	54·0	54·2	54·2	54·5	55·4	56·0	56·7	57·0	57·3	57·8	57·7	57·8
	7	55·3	55·5	55·7	56·4	57·1	57·7	58·0	59·0	59·2	59·5	59·8	59·7
	8	57·4	57·4	57·5	57·8	57·7	57·7	57·7	57·9	58·0	58·0	58·0	58·2
	9	58·7	59·1	59·5	60·0	61·0	62·3	63·2	64·1	65·0	66·0	66·3	66·7
	10	61·0	60·5	60·5	60·2	60·2	60·6	60·5	60·7	60·7	60·6	60·5	60·3
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	58·2	58·7	59·5	60·0	60·3	60·7	61·0	61·7	62·3	63·0	63·7	64·3
	13	61·5	61·5	61·5	61·5	61·7	62·0[c]	62·3	62·5	62·7	63·1	63·3	63·4
	14	61·5	61·5	61·8	62·5	62·7	63·0	63·3	63·5	63·6	63·7	64·2	64·5
	15	60·0	60·0	60·5	61·4	61·4	61·4	61·5	61·5	61·5	61·8	62·0	62·1
	16	59·0	59·0	59·0	59·2	59·5	60·0	60·2	60·4	60·6	61·1	61·6	62·0
	17	59·4	59·8	60·2	60·5	61·0	61·5	61·7	62·4	62·5	62·6	63·0	63·3
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	61·0	61·2	61·5	62·5	63·0	63·3	63·7	64·0	64·7	65·1	65·3	65·5
	20	62·5	62·5	63·2	64·0	64·7	65·5	66·2	66·7	67·5	68·5	69·0	69·4
	21	66·0	66·2	66·5	67·2	67·7	68·5	69·5	70·3	71·0	71·8	72·7	73·1
	22	69·9	70·3	71·1	71·4	71·8	72·5	72·8	73·3	74·3	74·8	75·3	75·3
	23	70·5	70·5	70·5	70·7	70·7	71·0	70·7	70·8	71·1	71·5	71·8	72·5
	24	69·5	69·3	69·3	69·1	69·0	69·1	69·4	69·5	70·0	70·5	71·3	71·9
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	66·0	66·3	66·7	67·5	68·0	68·5	68·7	69·3	69·6	70·2	71·0	71·8
	27	69·3	70·0	70·5	71·5	72·0	72·6	73·3	74·3	74·8	75·1	75·2	75·4
	28	71·3	71·3	71·2	71·3	71·5	71·6	71·7	72·3	72·7	73·1	73·5	73·5
	29	70·3	70·0	70·3	70·4	70·7	71·3	71·6	72·3	72·5	73·0	73·7	73·7
	30	70·2	70·5	71·0	71·7	71·7	72·5	72·8	73·3	73·8	74·5	75·0	75·5
Hourly Means		61·42	61·52	61·78	62·22	62·54	63·02	63·41	63·85	64·24	64·68	65·06	65·31

[c] Three minutes late. [b] Four minutes late. [c] Five minutes late.

VERTICAL FORCE.

One Scale Division = ·000094 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

12^{h}.	13^{h}.	14^{h}.	15^{h}.	16^{h}.	17^{h}.	18^{h}.	19^{h}.	20^{h}.	21^{h}.	22^{h}.	23^{h}.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
60·7	60·4	60·3	60 3	60·5	60·7	61·4	62·4	63·3	63·2	62·3	61·1	61·17
62·2	62·6	63·0	63·9	63·9	63·8	64·2	63·5	61·7	53·3	53·9	59·4	61·12
62·2	60·9	60·4	60·6	53·3	54·3	—	—	—	—	—	—	58·77
—	—	—	—	—	—	60·8	56·7	56·6	59·2	59·6	59·6	
58·1	57·8	57·8	58·8	58·6	56·6	59·6	59·6	59·6	59·2	59·2	60·1	58·72
55·0	54·9	55·9	54·8	56·5	57·0	57·0	56·7	56·9	56·9	57·7	58·9	56·66
57·5	55·9	55·9	52·9	52·1	51·9	48·1	46·5	48·5	48·4	53·1	56·4	53·27
54·8	54·0	53·9	53·8	51·4	51·5	50·5	49·6	49·7	53·6	53·7	53·7	53·64
41·1	41·9	41·5	41·8	41·8	43·7	44·2	44·4	44·7	46·3	45·5	42·9	44·65
53·6	53·4	52·5	45·0	47·1	47·5	—	—	—	—	—	—	48 38
—	—	—	—	—	—	50·5	47·6	48·9	46·1	48·7	45·3	
46·6	48·1	43·7	45·0	44·0	42·0	39·5	45·6	46·4	46·7	47·7	47·7	47·20
46·9	46·7	45·4	44·5	44·5	44·8	44·3	43·9	45·5	45·6	46·5	48·2	46·11
43·5	43·6	43·4	43·9	44·2	44·7	41·5	42·0	46·1	47·1	48·7	48·8	45·52
47·0	47·9	47·8	47·4	47·5	47·5	47·5	48·9	49·7	49·9	49·3	50·7	47·44
47·1	47·3	46·6	46·4	46·7	47·2	47·5	48·5	48·5	50·7	50·7	50·9	48·28
44·3	44·0	44·0	44·5	45·1	45·7	—	—	—	—	—	—	46·58
—	—	—	—	—	—	45·3	46·3	46·8	46·8	47·4	48·6	
42·6	42·6	42·3	42·4	43·3	43·9	43·5	44·6	44 8	45·1	46·3	46·3	43·79
36·5	36·8	36·8	36·7	33·2	34·9	38·4	38·8	38·8	38·8	39 6	40·5	38·65
30·8	30·5	30·6	29·2	29·7	30·7	29·4	28·9	29·9	29·2	32·1	35·3	33·10
28·1	28·7	28·4	28·9	28·1	28·5	28·7	30·9	31·9	32·1	32·1	33·8	30·08
30·0	30·8	30·9	31·0	31·5	32·3	32·2	32·2	32·9	33·5	34·2	35·5	32·26
32·0	31·2	31·2	31·3	31·8	32·2	—	—	—	—	—	—	34·28
—	—	—	—	—	—	29·1	35·3	35·4	35·7	38·6	39·4	
31·5	30·8	30·8	31·0	31·4	31·4	31·5	31·5	31·3	33·6	34·6	35·4	33·58
26·4	26·9	26·9	27·2	27·4	27·5	27·5	28·2	28·8	29·5	30·3	31·2	28·35
28·8	29·0	29·0	29·0	28·7	29·1	29·5	31·1	28·1	28·8	30·4	32·2	29·82
29·4	27·4	28·4	29·9	31·0	30·8	30·6	30·6	30·9	31·9	33·1	34·3	30·99
31·3	29·4	29·4	30·0	29·0	29·0	24·2	25·7	28·1	28·9	30·0	29·9	29·48
43·38	43 20	42·92	42·70	42·40	42·66	42·56	43·08	43·61	43·85	44·82	45·62	43·91

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
53·1	53·2	53·1	52·8	52·6	52·2	52·0	51·8	51·0	50·6	50·4	49·7	51·51
52·5	52 2	52·2	52·0	51·6	51·8	52·0	51·9	52·2	52·1	52·2	52 0	51·50
56·0	56·0	56·2	56·2	56·2	56·2	—	—	—	—	—	—	54·61
—	—	—	—	—	—	53·8	53·9	54·0	54·2	54·2	54 0	
55·6	55·6	55·5	55·4	55·2	54·8	55·0	54·9	54·8	54·8	54·8	54 2	54·75
57·7	57·4	57·4	57·2	56 9	56·7	56·2	56·2	55·8	55·3	55·1	54·6	56·21
59·7	59·3	59·2	59·2	59·2	59·0	58·8	58·9	58·6	58·2	58·0	57·4	58·27
58·4	58·4	58·5	58·7	58·7	58·6	59·1	58·7	58·7	58·7	58·7	58·7	58·22
66·7	66·8	66·6	66·3	66·1	65·7	64·4	64·0	63·5	62·7	62·3	61·4	63·68
60·4	60·2	60·1	60·0	60·0	59·4	—	—	—	—	—	—	59·90
—	—	—	—	—	—	59·1	59·0	58·8	58·3	58·1	57·8	
64·5	64·3	63·9	63·6	63·2	62·6	62·3	61·7	61·0	60·6	60·9	61·0	61·79
63·5	63·5	63·5	63·5	63·3	63·0	62·7	62·3	61·9	61·7	61·5	61·0	62·43
65·0	65·0	64·8	64·4	63·9	63·6	62 8	62·7	62·0	61·0	60·3	59·5	62·95
62·1	62·1	62·1	61·5	61·5	61·3	60·9	60·3	59·9	59·7	59·7	59·2	61·06
62·4	62·5	62·5	62·3	62·1	61·5	60·2	60·3	60·2	59·8	58·9	59·0	60·58
63·5	63·5	63·5	63·5	63·0	62·7	—	—	—	—	—	—	61·87
—	—	—	—	—	—	62·5	62·0	61·4	60·8	60·3	60·2	
65·5	65·5	65·4	65·1	65·0	64·6	64·0	63·6	63·2	63·0	62·3	62·0	63·75
69·5	69·3	69·0	68·7	68·4	68·2	67·7	67·2	66·7	66·5	66 0	66·0	66·79
73·2	73·2	73·3	73·5	73·0	72·7	73·2	73·2	72·5	72·9	72·7	70·0	71·00
75·1	74·6	74·5	74·4	73·8	73·4	73·0	72·7	72·1	71 5	71·3	70·5	72·90
72·7	72·5	72·5	72·4	72·2	71·8	71·5	71·0	70·5	70·2	69·8	69·5	71·20
72·0	72·3	72·1	71·6	71·5	71·0	—	—	—	—	—	—	69·72
—	—	—	—	—	—	68·9	68·4	67·6	67·4	66·5	65·8	
72·3	72·5	72·3	72·7	72·1	71·9	71·4	70·5	70 3	69·7	69·3	69·0	69·90
75·3	75·0	74·7	74·5	74·0	74·0	73·7	73·5	73·5	72·8	72·5	71·5	73·29
73·5	73·2	73·2	73·0	73·0	72·5	72·0	71·7	71·5	71·2	70·8	70·5	72·13
73·7	73·7	73·5	73·5	73·3	72·9	72·5	72·2	71·8	71·0	70·5	70·5	72·04
75·5	75·5	74·7	75·2	74·8	74·4	74·0	74·3	74·2	74·0	73·5	73·3	73·58
65·36	65·28	65·17	65·05	64·79	64·48	64·01	63·73	63·37	63.03	62·72	62·24	63·68

VERTICAL FORCE.

One Scale Division = ·000094 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00007.

Mean Göttingen Time.		0^h.	1^h.	2^h.	3^h.	4^h.	5^h.	6^h.	7^h.	8^h.	9^h.	10^h.	11^h.	12^h.
JULY.	1	Sc. Div. 30·3	Sc. Div. 29·6	Sc. Div. 29·0	Sc. Div. 27·9	Sc. Div. 25·5	Sc. Div. 25·1	Sc. Div. 24·4	Sc. Div. 23·4	Sc. Div 23·8	Sc. Div. 23·9	Sc. Div 22·9	Sc. Div. 22·3	Sc. Div. 23·2
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	35·5	35·7	34·0	32·6	34·1	37·1	39·5	39·5	38·6	40·7	41·1	43·4	42·0
	4	41·3	42·0	42·0	41·1	39·2	39·0	39·4	39·2	40·6	41·6	40·8	39·9	40·2
	5	40·5	39·8	39·8	39·4	38 5	37 6	38·3	38·4	38·1	37·6	37·4	37·4	36·7
	6	40·5	40·8	40·3	39 2	38·3	37·4	38·0	38·6	39 0	38·6	37·7	36·7	36·4
	7	40·9	40·9	40·9	39·9	38·1	36·5	36·0	35·2	35·6	37·2	38·6	37·7	36·9
	8	37·3	36·5	33·5	32·3	32·2	33·9	33·7	34·2	34·2	32·6	33·2	32·3	31·2
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	33·1	33·2	32·2	33·6	33·8	33·6	33·1	33·8	34·6	36·0	35·9	35·6	35·0
	11	38·4	38·4	38·3	38·5	36·7	37·5	37·5	37·3	37·7	39·2	40·0	41·6	41·2
	12	44·5	43·4	42·7	42·7	41·1	38·4	38·4	37·7	38·5	38·0	37·5	36·8	36·8
	13	41·2	39·8	39·8	39·6	38·1	36·9	36·2	35·1	35·8	36·5	36·4	36·2	36·1
	14	35·6	35·6	37·8	36·6	35·2	32·6	32·3	32·8	33·7	33·3	33·0	32·8	32·5
	15	33·9	34·3	34·3	34·3	33·9	33·1	33·1	33·5	33·4	33·4	33·3	33·5	35·7
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	33·1	33·4	33·3	33·2	33·3	32·4	32·0	32·0	31·9	30·4	30·6	31·0	31·3
	18	30·4	30·2	29·2	28·2	27·7	27·5	26·6	24·7	23·4	24·0	24·4	23·5	23·7
	19	30·1	30·7	30·8	30·0	30·1	30·8	30·7	30·3	29·9	29·7	30·3	30·4	30·4
	20	34·1	33·5	33·2	32·7	31·7	31·5	32·0	32·5	33·2	33·6	33·1	32·5	32·4
	21	35·5	34·8	34·6	34·4	33·6	33·6	33·4	33·9	33·2	33·1	33·6	33·3	32·9
	22	35·0	34·5	33·4	33·2	31·9	31·6	31·1	31·1	30·6	30·2	30·4	30·4	29·9
	23	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	30·5	31·5	30·9	29·9	27·9	27·9	26·4	27·7	28·0	31·5	34·8	36·2	32·3
	25	1·5	−1·3	9·2	12·9	23·7	27·1	35·6	38·1	49·0	53·9	48·1	49·5	35·4
	26	31·5	30·5	29·5	29·6	28·6	27·1	25·9	26·1	25 1	24·0	24·8	26·0	27·1
	27	30·6	29·7	28·3	27·6	26·3	26·5	27·1	27·8	28·2	29·2	29·4	29·7	30·6
	28	31·4	31·4	30·5	29·2	28·7	27·1	26·2	24·9	24·7	24·7	26·9	28·7	28·3
	29	27·8	27·8	28·7	28·7	29·4	29·0	29·2	30 0	31·8	32·0	30·7	32·0	31·8
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	33·4	35·8	34·5	33·5	32·2	31·8	32·0	31·6	31·6	31·7	33·1	33·8	33·1
Hourly Means		33·77	33·56	33·49	33·11	32·68	32·41	32·62	32·67	33·24	33·72	33·77	34·05	33·20

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		0^h.	1^h.	2^h.	3^h.	4^h.	5^h.	6^h.	7^h.	8^h.	9^h.	10^h.	11^h.	12^h.
JULY.	1	° 73·4	° 73·5	° 74·0	° 74·8	° 75·5	° 76·1	° 76·6	° 77·5	° 78·3	° 78·8	° 79·3	° 79·5	° 79·3
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	68·3	68·5	69·0	69·3	67·3	67·8	68·3	68·3	68·5	68·5	68·5	69·0	69·5
	4	65·7	65·5	65·5	66·2	67·0	67·3	67·5	67·7	68·3	68·5	68·6	68·5	68·4
	5	66·5	66·6	67·0	67·6	68·0	68·5	68·5	68 5	68·5	68·6	69·2	69·3	69·7
	6	65·5	65 8	66·5	67·0	67·5	68·0	68·4	68·7	69·0	69·3	69·8	70·3	70·3
	7	66·0	66·0	65·7	66·2	66·3	67·0	67·5	67·8	68·3	69·0	69·7	70·3	70·5
	8	67·8	67·7	68·5	68·9	69·7	70·3	70·7	71·2	71·5	73·8	73·3	74·5	74·5
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	69·5	69 7	69·7	69·7	69·8	70·2	70·9	71·4	71·9	72·0	72·3	72·3	72·2
	11	66·0	66·2	66·3	66·6	67·0	67·0	66·5	67·0	67·3	67·0	67·3	67·8	68·0
	12	63·5	63·5	64·5	65·3	65·6	66·5	66·0	67·5	67 8	68·2	68·7	69·3	69·3
	13	63·5	64·5	65·0	65·7	66·5	67·3	68·0	68·1	68·5	69·1	69·5	69·7	70·0
	14	66·3	66·5	67·0	67·8	68·5	69·3	70·2	71·0	71·5	72·2	72·8	73·2	73·2
	15	69·5	69·3	69·0	69·0	68·8	69·1	69·5	70·0	70·5	70·7	70·9	71·2	71·5
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	69·8	69·5	69·3	69·2	69·0	69·3	69·6	70·4	71·1	72·0	72·5	72·5	72·2
	18	71·0	71·7	72·4	72·8	73·0	73·5	74·0	74·5	75·3	75·8	76·2	76·5	76·6
	19	71·3	70·8	70·5	70·8	70·7	71·0	70·7	70·7	71·1	71·2	71·2	71·4	71·3
	20	66·9	66·8	67·2	67·4	67·6	68·0	68·2	68·3	68·3	68·5	68·8	69·0	69·3
	21	65·0	65·5	66·0	66·5	66·6	66·8	67·3	67·7	68·3	68·5	69·0	69·4	69·7
	22	66·5	66·8	67·4	68·0	68·5	69·0	69·6	70·5	71·4	72·2	72·5	72·7	72·6
	23	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	71·2	71·0	71·0	71·0	71·5	72·0	72·3	72·5	73·0	73·5	74·3	74·7	74·7
	25	68·7	69·2	69·7	70·8	71·9	71·9	71·7	71·7	72·1	72·5	72·9	73·2	73·2
	26	69·5	69·7	70·3	71·0	71·5	72·0	73·0	73·5	74·1	75·0	75·0	75·0	75·0
	27	71·0	71·5	72·0	73·0	73·0	73·4	73·5	73·5	73·5	73·5	73·5	73·6	73·6
	28	69·6	69·6	70·3	71·0	71·6	72·3	73·3	74·5	75·0	75·3	75·0	74 8	74·9
	29	72·4	72·4	72·0	71·7	71·5	71·5	71·5	71·5	71·5	71·5	71·7	71·8	72·0
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	66·5	66·5	66·7	67·5	67·7	68·2	68·4	68·6	68·7	68·7	68·8	69·0	69·5
Hourly Means		68·11	68·24	68·56	69·03	69·29	69·74	70·10	70·48	70·90	71·30	71·59	71·88	71·96

VERTICAL FORCE.

One Scale Division = ·000094 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

10^{h}.	11^{h}.	12^{h}.	13^{h}.	14^{h}.	15^{h}.	16^{h}.	17^{h}.	18^{h}.	19^{h}.	20^{h}.	21^{h}.	22^{h}.	23^{h}.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
22·9	22·3	23·2	25·1	24·7	21·6	20·0	23·4	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	29·1	31·9	32·9	32·8	35·1	35·1	26·79
41·1	43·4	42·0	40·3	39·1	34·9	35·1	34·0	33·7	36·4	34·0	35·9	37·5	40·4	37·30
40·8	39·9	40·2	40·0	39·1	37·9	37·2	33·4	33·9	35·5	36·4	37·1	38·0	39·4	38·93
37·4	37·4	36·7	37·0	36·1	36·5	36·9	37·9	38·1	38·2	38·1	38·5	38·5	41·1	38·18
37·7	36·7	36·4	35·9	35·0	34·4	34·6	35·5	35·9	36·0	35·8	36·4	37·3	39·5	37·41
38·6	37·7	36·9	39·3	43·6	38·8	37·4	35·6	27·2	24·8	29·6	33·5	32·9	36·3	30·39
33·2	32·3	31·2	31·5	31·1	30·7	30·9	29·5	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	31·7	25·0	23·2	25·7	22·9	27·8	31·13
35·9	35·6	35·0	36·6	37·1	36·0	35·6	35·3	33·7	34·9	35·7	35·9	38·5	38·5	35·05
40·0	41·6	41·2	40·2	39·0	38·7	38·8	39·6	40·4	40 8	41·6	42 7	43·3	44·6	39·67
37·5	36·8	36·8	35·9	35·9	36·3	36·3	37·5	38·1	38·5	39·4	40·4	41·3	41·3	39·06
36·4	36·2	36·1	35·8	35·0	35·0	34·6	36·3	36·7	36·9	37·2	37·9	36·9	36·9	36 95
34·0	32·8	32·5	31·2	30·9	31·7	30·4	30·4	31·2	31·2	30·7	31·8	31·9	33·9	32·88
33·3	33·5	35·7	33·3	31·3	32·7	32·7	32 7	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	32·0	31·3	32·4	31·5	30·5	31·9	33·08
30·6	31·0	31·3	31·3	31·0	30·1	31·1	30·7	31·6	31·6	31·6	31·6	32·1	32·1	31·78
24·4	23·5	23·7	23·8	23·7	24·6	24·6	23·9	23·8	25·8	26·2	27·0	27·6	29·5	26·00
30·3	30·4	30·4	30·6	29·5	28·7	28·9	28·8	30·0	30·5	31·3	31·7	31·9	33·8	30·41
33·1	32·5	32·4	32·4	32·3	32·8	33·2	32·6	33·0	33·3	33·3	35·1	35·6	36·7	33·18
33·6	33·3	32·9	32·9	32·8	32·8	32·5	32·6	33·1	33·8	33·5	32·3	34·0	35·0	33·55
30·4	30·4	29·9	29·5	29·4	29·5	29·6	29·8	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	28·1	28·1	27·7	28 8	28·9	28·9	30 48
34·8	36·2	32·3	26·1	26·1	26·0	27·6	28·6	29·2	30·1	27·4	17·9	17·5	6·1	27·42
48·1	49·5	35·4	42·6	42·6	27·9	14·7	27·9	29·1	26·7	25·0	27·9	29·1	31·5	29·49
24·8	26·0	27·1	27·5	28·8	28·8	27·9	23·9	26·8	22·0	22·7	22·7	30·1	30·6	26·98
29·4	29·7	30·6	29·8	30 8	25·4	27·7	30·6	29·6	29·3	29·9	30·7	31·3	31·4	29·06
26·0	28·7	28·3	26·6	25 7	17·8	22·3	24·2	24 8	25·4	26·0	26·2	26·9	27·4	26·50
20·7	32·0	31·8	31·0	31·1	32·1	32·1	30·2	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	27·0	28·5	31·0	33·0	33·8	33·9	30·52
33·1	33·8	33·1	33·1	32·1	34·9	36·4	35·3	36·0	35·7	35·5	33·6	36·3	38 5	33·98
33·77	34·05	33·20	33·05	32·84	31·41	31·12	31·55	31·68	31·62	31·85	32·25	33·07	33·93	32·78

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
79·3	79·5	79·3	79·0	78·5	78·7	78·8	78·9	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	70·1	70·1	69·5	69·3	69·0	68·5	75·29
68·5	69·0	69·5	69·7	69·5	68·5	69·1	68·9	69·1	68·5	68·3	68·2	68·2	66·0	68·53
68·6	68·5	68·4	68·1	68·7	68 9	68·9	69·1	69·0	68·7	68·7	68·5	68 3	67·5	67·88
69·2	69·5	69·7	69·8	69·7	69·3	68·7	68·7	68·3	68·0	67·3	67·0	65·5	65·6	68·11
69·8	70·3	70·3	70·3	69·9	69·7	69·5	69·5	69·6	69·5	69·0	68·8	68·5	67·4	68·69
69·7	70·3	70·5	70·5	70·5	70·5	70·3	70·3	70·0	69·7	68·8	68·5	67·9	67·0	68·52
73·3	74·5	74·5	73·5	73·5	73·5	72·5	72·1	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	71·3	72·0	72·3	72·2	71·7	70·5	71·56
72·3	72·3	72·2	71·5	71·3	70·9	70·3	69·5	69·3	68·1	67·2	66·6	66·4	66·4	69·96
67·3	67·8	68·0	67·8	68·0	67·7	67·3	66·7	66·1	65·6	64·8	64 1	63 5	63·0	66·44
68·7	69·3	69·3	69·3	69·1	68·5	68·2	67·6	67·0	66·3	65·5	65·0	64 5	64·0	66·73
69·5	69·7	70·0	69·7	69·5	69·3	68·8	68·5	68·3	68·2	67·7	67·3	66·8	66·0	67·73
72·8	73·2	73·2	73·0	73·0	72·7	72·5	72·0	71·7	71·3	71·2	70·6	70·1	70·0	70·73
70·9	71·2	71·5	71·7	71·5	71·5	71·2	71·0	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	71·3	71·3	71·0	70·7	70 5	70·1	70·45
72·5	72·5	72·2	72·0	72·0	71·7	71·5	71·5	71·3	71·0	70·7	70·5	70·5	70·7	70·82
76·2	76·5	76·6	76·5	76·3	76·0	75·7	75·0	74·8	74·3	73·8	73·0	72·5	72·0	74 30
71·2	71·4	71·3	71·0	71·0	71·5	70·9	70·7	70·1	69·3	68 7	68·2	67·9	66·5	70·35
68·8	69·0	69·3	69·3	69·5	69·1	68·7	68·5	67·5	67·0	66·3	65·6	65·0	64·5	67·72
69·0	69·4	69·7	69·6	69·4	69·2	68·8	68·5	68·0	67 5	67·0	66·7	66·5	66·0	67·65
72·5	72·7	72·6	72·5	72·2	72·0	71·7	71·5	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	72·8	72·7	72·5	71·9	71·6	71·7	70·87
74·3	74·7	74·7	74·7	74·4	73·5	73·0	72·4	71·7	71·2	70·8	70·0	69·5	68·7	72·19
72·9	73·2	73·2	73·2	73·2	74·8	73·3	73·0	73·0	72·5	71·3	70·6	70·3	69·5	71·76
75·0	75·0	75·0	74·8	74·3	73·8	74·0	73·8	73·5	73·0	72·6	72·3	71·7	71·0	72·89
73·5	73·6	73·6	73·5	73·1	72·5	72·5	71·7	71·5	71·0	70·8	70·4	70·0	69·6	72·30
75·0	74 8	74·9	75·0	75·2	75·0	5·0	74·5	74·3	74·0	74·0	73·7	73·2	72 5	73·48
71·7	71·8	72·0	72·0	71·7	71·4	70·5	69·8	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	68·0	67·5	67·0	66·5	66·0	66·5	70·41
68·8	69·0	69·5	69·5	69·2	68·0	67·5	67·0	66·0	66·3	66·2	66·4	65·8	65·0	67·57
71·59	71·88	71·96	71·83	71·72	71·40	71·14	70·80	70·14	69·79	69·35	68·94	68·52	67·93	70·11

VERTICAL FORCE.

One Scale Division = ·000094 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00007.

	Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	12h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
AUGUST.	1	38·5	37·0	36·4	35·3	34·7	34·7	34·9	34·6	34·4	34·4	34·2	33·3	32·2
	2	38·0	37·3	35 7	34·4	34·2	34·2	34·2	34·3	33·8	33·8	33·1	32·0	31·4
	3	36·9	35·9	34·5	32·7	31·3	30·2	31·8	29·7	30·1	29·3	29·7	31·6	29·7
	4	25·3	23·2	28·5	28·9	28·9	28·7	29·3	29·3	29·6	29·6*	31·7	32·0	34·4
	5	31·9	32·3	32·2	31·9	31·0	29·6	30·3	29·8	29·6	30·0	29·2	29·2	26·0
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	29·4	28·5	28·1	26·3	24·1	23·1	23·1	23 1	23·7	23·7	23·9	23·8	24·0
	8	24·1	23·2	25·5	24·9	26·1	27·5	27·5	27·8	29·0	29·1	28·4	27·2	27·6
	9	30·9	30·9	28·9	30·4	30·4	30·2	30·2	29·8	29·1	29·1	28·9	29·5	28·6
	10	30·6	30·6	29·9	27·5	27·1	26 9	24·5	25·6	26·0	27·0	26·8	25·9	26·4
	11	29·7	28·7	28·2	26·4	28·1	27·3	27·3	28·2	28·2	27·3	28·8	26·7	25·3
	12	28·1	27·9	26·6	26·6	25·5	23·7	22·9	22·6	23·7	24·2	24·2	23 3	23·4
	13	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	26·9	26·9	25·6	25·6	25·6	26·5	26·5	25·8	26·4	25·8	25·7	25·3	23 6
	15	27·8	27·8	26·5	24·4	23·9	23·9	24·4	24·7	25·3	26·5	25·8	26·6	25·9
	16	31·7	30·4	29·1	27·0	26·3	26·3	25·4	24·7	24·2	23·2	21·7	21·6	21·4
	17	26·1	26·2	26·3	25·3	23·6	22·9	23·2	23·7	24·7	24·1	24·6	24·0	23·1
	18	27·3	27·3	27·3	26·8	26·1	26·4	27·1	27·8	27·8	27·2	27·0	26·7	26·5
	19	31·4	31·4	31·2	31·2	29·4	28·4	28·4	28·0	28·6	29·1	29·4	29·5	29·2
	20	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	33·3	32·2	31·4	30·9	29·6	30·2	30·9	30·7	30·5	30·1	30·1	30 0	28·6
	22	30·6	28·7	29·3	29·5	30·2	27·4	28·1	30·0	31·2	31·2	36·5	30·0	32·1
	23	32·5	32·5	30·9	30·5	29·8	29·8	29·8	28·7	28·7	28·9	29·9	31·4	29·3
	24	32·1	31·3	32·4	31·4	29·4	29·4	28·7	27·9	27·6	27·8	27·5	27·4	27·7
	25	32·9	32 2	31·3	30·5	29·4	27·6	27·2	26·9	26·9	26·5	26·1	26·3	25·5
	26	28·0	28·4	27·9	26·4	26·5	26·1	24·5	23·4	23·6	23·2	23·2	21·4	22·2
	27	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	26·2	26·2	26·6	25·8	25·8	24·7	22·6	23·3	23·7	23·5	23·5	22·8	21·3
	29	27·0	26·2	25·2	24·2	22·9	19·1	18·2	20·9	21·4	21·5	21·0	20·3	20·4
	30	26·5	25·9	24·7	22·9	21·9	20·7	20·7	20·2	19·8	18·5	18·3	17·1	17·2
	31	19·6	20·5	20·5	19·1	17·4	17·4	17·4	17·4	18·0	18 0	18·0	14·9	14·4
Hourly Means		29·75	29·24	28·91	28·03	27·38	26·77	26·63	26·63	26·87	26·76	26·93	26·29	25·83

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	12h.
		°	°	°	°	°	°	°	°	°	°	°	°	°
AUGUST.	1	65·5	65·7	66·3	67·0	67·5	67·5	67·5	67·4	67·6	67·6	68·1	68·5	69·0
	2	65·0	65·6	66·0	66·5	66·8	67·2	67·1	67 5	68·0	68·5	68·9	69·2	69·4
	3	65·3	65·8	66 5	67·3	67·5	68·5	69·3	69·7	70·4	71·2	71·7	72·0	72·0
	4	67·0	67·5	68·0	68·7	69·6	70·5	71·3	72·0	72·2	72·7*	72·9	73 2	73·3
	5	69 0	69·0	69·0	69·4	70·0	70·9	71·7	72·5	73·2	73·5	74·0	74·6	73·9
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	71·0	71·4	72·0	72·5	73·0	73·5	74·5	74·4	74·5	74·7	74·9	75 0	74·6
	8	71·8	71·3	71·0	71·5	71·5	72·0	72·5	72·8	73·0	73·3	73·5	73·7	73·8
	9	69·7	69·5	69·8	70·0	70·5	70·6	71·0	71·3	71·7	72·1	72·1	72·1	72·2
	10	69·0	69·5	69·5	70·5	71·0	72·0	72·5	73·2	73·5	73·6	74·0	74·0	74·0
	11	69·5	69·5	70·0	70·6	71·0	71·7	72·3	72·5	72·8	73·3	73·6	74·0	74·2
	12	70·0	70·0	70·7	71·0	71·6	72·5	73·5	73·9	74·3	74·7	75·0	75·4	75·5
	13	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	71·5	71·5	71·5	71·5	71·5	71·5	71·8	72·5	73·0	73·8	74·3	74·6	74·8
	15	70·5	70·8	71·3	71·5	72·0	72·4	72·5	72·7	72·7	73·1	73·2	73·2	73·2
	16	67·8	68·5	69·0	70·0	70·5	71·5	72·4	73·0	73·5	74·3	75·0	75·3	75·4
	17	71·6	71·5	71·5	72·0	72·2	72·5	73·0	73·0	73·5	73·8	74·3	74·1	74·1
	18	70·7	70·6	70·5	70·5	70·5	70·7	70·8	71·2	71·5	71·7	71·7	71·7	71·7
	19	67·0	67·0	67·0	67·4	67·7	68·5	68·8	69·3	69·5	69·5	69·6	69·6	69·6
	20	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	65·5	66·0	66·5	67·0	67·5	68·0	68·3	68·5	68·7	69·0	69·2	69·5	69·6
	22	64·2	64·5	65·3	66·0	66·8	67·3	68·4	68·5	68·6	69·2	69·3	69·5	69·6
	23	67·0	66·4	67·4	68·3	68·7	69·4	69·5	70·0	70·3	70·7	70·9	71·3	71·4
	24	66·5	66·5	67·0	67·7	68·4	68·7	69·1	69·5	70·0	70·4	70·7	71·0	71·0
	25	66·0	66·0	66·5	67·0	67·7	68·5	69·2	70·0	70·5	71·1	71·9	72·3	72·3
	26	69·5	69·5	69·5	69·9	70·3	70·8	72·1	73·3	74·1	74·9	75·3	75·5	75·5
	27	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	71·5	71·3	71·2	71·6	71·3	71·5	72·2	72·6	73·1	73·5	74·0	74·3	74·4
	29	70·5	70·5	71·0	71·6	72·5	73·4	73·7	74·2	74·5	75·0	75·0	75·3	75·1
	30	70·0	70·0	70·5	71·5	72·3	73·0	73·6	74·3	75·3	76·0	76·5	77·0	77·0
	31	73·5	73·5	73·7	74·6	75·3	76·2	76·8	77·0	77·3	77·6	78·2	78·5	78·5
Hourly Means		68·74	68·85	69·19	69·74	70·19	70·77	71·31	71·73	72·12	72·55	72·88	73·13	73·1

* Five minutes late.

VERTICAL FORCE.

One Scale Division = ·000094 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00007.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
32·2	32·4	31·4	31·9	31·7	32·0	31·8	31·8	32·0	35·8	35·8	37·8	34·12
31·4	31·4	30·6	31·5	32·0	32·0	32·0	32·3	34·1	35·6	36·2	37·7	33·83
29·7	29·7	30·3	29·2	22·3	24·8	25·6	25·8	24·3	27·6	17·7	17·7	28·68
34·4	31·1	29·4	29·3	29·0	29·3	29·3	29·0	25·7	24·8	24·9	30·9	28·84
26·0	26·0	25·9	26·7	26·7	23·2	—	—	—	—	—	—	28·37
—	—	—	—	—	—	26·9	27·1	25·8	25·8	25·8	27·9	
24·0	24·4	25·1	26·4	25·0	17·0	21·0	25·1	25·1	25·4	23·6	24·5	24·48
27·6	20·1	26·4	21·6	23·3	17·1	16·7	14·7	16·1	22·6	28·3	28·9	24·78
28·6	28·6	28·4	28·0	28·2	28·3	29·2	29·4	28·3	29·0	29·8	31·8[b]	29·41
26·4	24·8	24·9	25·1	26·0	25·9	26·5	26·5	26·6	27·1	24·1	28·9	26·72
25·3	24·7	24·4	24·1	24·1	24·4	26·2	26·2	23·7	24·4	23·8	28·2	26·43
23·4	23·4	19·8	22·1	23·7	23·6	—	—	—	—	—	—	24·02
—	—	—	—	—	—	21·1	21·1	21·1	25·3	25·7	26·9	
23·6	23·1	22·8	22·8	23·3	23·3	23·3	24·2	24·4	21·5	24·4	27·6	24·87
25·9	25·9	25·6	24·6	25·7	26·6	27·0	26·6	28·0	27·3	28·1	30·0	26·20
21·4	20·7	21·5	22·6	22·2	23·3	23·1	22·3	23·1	23·2	24·5	25·2	24·36
23·1	22·3	22·7	22·9	22·9	23·3	24·2	24·7	25·0	25·3	26·0	26·7	24·32
26·5	26·5	26·5	27·0	27·5	28·5	29·4	29·2	29·9	29·7	29·7	31·4	27·77
29·2	29·3	29·2	29·0	29·3	30·0	—	—	—	—	—	—	30·13
—	—	—	—	—	—	30·8	31·1	31·7	31·9	32·4	33·3	
28·6	28·6	28·6	28·0	28·0	28·3	30·2	30·7	29·9	28·8	28·3	30·8	29·95
32·1	38·8	36·2	27·7	29·1	19·0	18·9	18·3	18·1	23·7	30·4	32·5	28·90
29·3	29·0	26·1	28·2	22·5	25·0	27·5	28·2	27·9	29·3	29·8	32·1	29·10
27·7	27·3	27·6	28·0	28·1	26·4	27·0	29·5	29·7	29·5	27·7	30·3	28·82
25·5	23·5	22·7	21·5	22·3	23·8	24·2	20·4	20·5	21·9	23·3	26·2	25·82
22·2	20·8	21·2	22·0	23·0	22·9	—	—	—	—	—	—	24·03
—	—	—	—	—	—	22·7	23·1	23·1	24·1	24·1	24·9	
21·3	21·4	21·7	20·5	20·5	21·4	22·4	23·2	23·2	24·3	24·5	25·1	23·51
20·4	20·2	20·1	20·1	21·0	21·0	22·3	22·4	22·5	23·6[c]	23·8	24·2	22·06
17·2	16·2	16·7	17·3	18·0	18·3	17·1	18·8	18·6	18·6	19·0	19·4	19·68
14·4	14·8	14·9	14·6	14·6	16·0	17·0	14·7	14·7	15·1	17·8	18·2	16·88
25·83	25·70	25·21	24·91	24·81	24·25	24·94	25·05	25·00	25·97	26·28	28·12	26·51

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
69·0	69·0	69·0	68·8	68·7	67·8	67·4	67·0	66·0	65·5	65·0	64·3	67·24
69·4	69·4	69·5	69·0	68 5	67·8	67·0	66·5	66·4	66·3	65·8	65·5	67·39
72·0	72·0	72·0	71·7	71·8	71·0	70·2	69·5	69·2	68·5	68·2	67·4	69·53
73·3	73·3	72·8	72·3	71·7	71·3	70·7	70·5	70·3	70·0	69·7	69·4	70·87
73·9	74·0	73·5	73·2	73 0	72·5	—	—	—	—	—	—	71·99
—	—	—	—	—	—	72·7	72·3	71·9	71·6	71·3	71·0	
74·6	74·4	74·2	74·2	74·0	73·9	73·5	73·1	72·9	72·2	72·1	72·0	73·44
73·8	73·9	73·9	73·0	74·5	74·1	73·2	72·8	72·3	71·5	70·8	70·3	72·67
72·2	72·2	72·0	72·0	71·5	71·2	70·8	70·5	70·1	69·9	69·7	69·2[b]	70·90
74·0	73·6	73·5	73·3	73·1	72·7	72·3	72·0	71·5	70·8	70·3	69·5	72·04
74·2	74·3	74·4	74·1	73·8	73·5	72·6	72·4	72·0	71·4	71·0	70·6	72·30
75·5	75·5	75·5	75 0	74·5	74·2	—	—	—	—	—	—	73·25
—	—	—	—	—	—	73·2	73·0	72·7	72·5	72·1	71·8	
74·8	75·1	75·2	74·9	74·2	74·0	73·7	73·0	72·5	72·0	71·5	70·5	72·93
73·2	73·0	73·0	72 5	72·0	71·7	71·2	71·1	70·3	70·7	69·7	69·0	71·80
75·4	75·8	75·5	75·1	74·9	74·5	73·9	73·5	73·2	72·8	72·5	72·3	72·92
74·1	74·2	73·9	73·7	73·5	73·1	73·0	72 6	72·4	72·0	71·6	71·4	72·85
71·7	71·5	71·5	71·2	70·8	70·0	69·4	69·1	68·7	68·5	68·2	67·5	70·42
69·6	69·6	69·3	69·3	68·7	68·4	—	—	—	—	—	—	68·24
—	—	—	—	—	—	68·0	67·8	67·3	66·9	66·5	65·5	
69·6	69·5	69·3	69·0	68·8	68·5	67·7	67·3	66·7	66·4	65·8	64·8	67·80
69·6	71·0	71·0	71·0	70·3	70·2	70·3	70·2	70·0	69·0	68·0	67·5	68·57
71·4	71·5	71·4	71·2	70·7	70·4	69·7	68·5	68·1	67·9	67·5	66·5	69·36
71·0	71·1	70·6	70·1	69·7	69·3	68·6	68·7	68·1	67·9	67·7	66·5	68·96
72·3	73·3	73·7	73·9	72·7	72·8	72·5	72·0	71·3	71·5	71·5	70·7	70·62
75·5	75·7	75·5	75 2	74·2	74·0	—	—	—	—	—	—	72·90
—	—	—	—	—	—	72·8	72·7	72·7	72·5	72·2	72·0	
74·4	74·5	74·3	74·0	73·3	73·3	72·9	72·5	72·1	71·9	71·5	71·0	72·66
75·1	75·1	74·7	74·1	73·7	73·3	73·0	72·6	72·0	72·0[a]	71·5	71·0	73·14
77·0	77·5	77·0	76·7	76·4	76·0	75·7	75·5	75·3	74·8	74·6	74·2	74·61
78·5	78·5	78·4	77·3	77·2	77·0	77·0	77·0	76·5	76·0	75·5	75·5	76·52
73·15	73·28	73·13	72·88	72·45	72·09	71·60	71·25	70·83	70·48	70·07	69·51	71·33

[b] Eight minutes late. [a] Two minutes late.

VERTICAL FORCE.

One Scale Division = ·000094 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00007.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
SEPTEMBER.	1	19·9	19·9	19·9	17·9	18·1	19·3	19·3	19·6	21·9	20·1	20·2	19·3
	2	11·9	19·1	19·2	18·9	20·2	20·2	18·8	19·4	18·2	18·9	21·0	21·9
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	16·9	17·7	17·1	15·7	14·1	15·8	15·6	14 9	14·9	15·6	17·1	17·7
	5	19·7	19·9	20·9	20·9	20·9	21·5	20·7	20·6	21·4	22·4	23·9	23·9
	6	24·8	25·1	26·3	25·1	25·1	25·1	24·2	24·1	24·1	24·1	24·0	24·1
	7	23·9	24·4	24·4	23·9	23·2	23·2	23·2	23·2	23·2	23·3	22·9	22·4
	8	24·5	24·1	24·4	24·3	23·4	24·2	24·7	24·7	25·0	25·0	24·3	24·3
	9	30·2	28·3	27·0	27·0	27·9	27·6	28·8	28·4	30·7	31·4	33·5	31·5
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	41·9	38·5	38·1	37·6	36·7	36·6	36·6	36·8	37·1	37·7	38·1	38·6
	12	41·9	42·1	40·8	39·8	39·1	39·1	39·1	38·5	38·8	38·4	40·0	38·6
	13	41·6	36·9	40·4	39·4	39·6[a]	39·6	39·5	39·5	39·3	40·3	39·7	40·0
	14	38·9	38·9	38·9	38·7	37·3[b]	36·7[b]	38·4	39·1	39·8	39·8	39·5	39·7
	15	37·1	37·1	36·7	35·4	34·8	33·6	33·6	33·6	34·0	34·0	33·5	32·8
	16	34·2	33·9	32·5	31·8	31·8	30·8	30·9	30·9	30·9	30·8	29·5	30·2
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	25·5	24·9	24·2	24·2	24·2	23·9	21·9	22·8	22·8	22·7	23·1	25·6
	19	23·4	24·9	29·2	28·2	26·6	25·2	25·2	26·7	28·5	27·4	33·8	30·6
	20	22·9	31·1	29·1	28·7	28·7	28·9	29·3	29·3	29·0	29·0	29·6	29·1
	21	27·0	27·5	26·3	25·0	22·6	21·5	19·8	19·2	18·5	18·6	18·4	17·3
	22	26·2	26·2	26·6	25·6	25·6	26·6	26·6	27·4	28·4	30·3	30·3	33·1
	23	31·9	31·9	32·4	31·1	31·1	31·1	31·1	30·0	29·5	28·7	27·9	27·0
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	26·9	28·0	28·5	28·1	29·5	29·5	31·5	31·9	32·4	31·8	31·4	31·1
	26	36·1	36·1	37·9	34·2	34·8	35·5	35·9	35·9	37·2	37·6	37·9	38·2
	27	43·2	44·2	44·1	41·8	40·6	40·9	41·2	42·5	42·2	42·6	42 9	42·0
	28	38·1	42·9	44·2	44·6	43·9	42·3	41·6	41·6	42·0	42·0	41·5	41·9
	29	43·7	43·7	43·7	43·8	42·1	40·7	40·7	41·5	41·4	40·4	40 0	39·5
	30	41·0	40·3	39·2	39·2	38·1	36·8	36·5	35·4	35·4	35·8	35·9	36·6
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		30·51	31·06	31·19	30·42	30·00	29·85	29·80	29·90	30·25	30·33	30·77	30·66

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
SEPTEMBER.	1	74·5	74 5	74·5	74·5	74 5	74·8	75·4	76·0	76·2	76·5	77·0	77·1
	2	74·5	74·5	74·5	74·4	74·0	74·5	75·5	76·3	77 3	78·0	78·0	78 0
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	77·0	76·4	76·4	76·4	76·5	76·5	77·0	77·5	78·0	78·4	78·7	78·7
	5	73·5	73·0	71·7	71·7	72·0	72·4	72·5	72·8	73·5	73·3	73·3	73·3
	6	70·0	69·3	69·0	69·5	69·5	70·0	70·4	70·5	70·7	71·0	71·4	71·2
	7	70·5	70·0	69·5	70·0	70·0	70·4	70·7	71·2	71·5	71·8	72·0	71·9
	8	69·2	69·0	68·8	69·0	69·5	69·6	70·3	70·7	71·0	71·4	71·9	72·0
	9	65·5	65·5	65·7	66·3	66·2	66·1	65·8	65·8	65·6	66·0	66·5	66·5
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	58·2	58·2	59·2	59·4	60·0	60·2	60·5	60·8	61·1	61·3	61·4	61·5
	12	57·0	57·4	58·0	58·7	59·2	59·8	60·2	60·4	60·5	60·8	61·0	61·3
	13	57·7	58·0	58·1	58·2	58·7[a]	59·2	59 2	59·7	60·0	60·2	59·6	59·6
	14	59·7	59·5	59·5	59·5	59·5[b]	59·3[b]	59·5	59·5	59·5	59·8	60·0	60·0
	15	60·7	60·7	60·7	61·0	61·3	61·5	61·7	62·3	62·6	63·1	64·0	64·5
	16	62·7	63·0	63·7	64·0	64 4	64·7	65·2	65·7	65·7	66·3	66·5	66·8
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	68·3	68·0	68·6	68·8	69·3	69·8	70·3	70·5	71·1	71·3	71·5	71·5
	19	66·0	65·0	65·5	65·7	66·2	66·7	67·3	67·5	67·7	68·0	67·7	67·7
	20	65·0	65·0	65·5	66·2	66·3	66·3	66·3	66·4	66·7	67·0	67·3	67·5
	21	66·6	66·9	67·5	68·5	70·3	71·1	72·0	72·7	74·1	74·7	75·5	75·2
	22	66·5	66·5	67·0	67·0	67·0	66·7	66·7	66·8	66·6	66·5	66·3	66·0
	23	63·5	63·3	63·3	63·5	63·5	63·8	64·5	65·5	66·3	67·3	67·7	68·5
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	67·0	66·3	66·0	65·5	65·3	65·3	65·0	65·0	65·0	65·0	64·8	64·6
	26	61·0	60·5	60·3	60·7	60·5	60·4	60·3	60·3	60·2	60·6	60·6	59·8
	27	56·0	55·4	55·2	55·4	55·7	56·1	56·2	56·3	56·3	56·2	56·6	57·2
	28	53·7	53·2	53·0	53·0	53·4	54·2	55·2	56·2	56·4	57·0	58·0	57·9
	29	55·4	55·2	55·2	55·8	56·2	56·8	57·7	58·2	58·8	59·2	59·6	60·0
	30	57·7	57·7	58·0	58·2	58·7	59·0	59·8	60·2	60·6	60·9	61·1	61·0
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		64·52	64·31	64·40	64·65	64·91	65·20	65·58	65·95	66·27	66·60	66·85	66·90

[a] Three minutes late.

VERTICAL FORCE.

One Scale Division = ·000094 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00007.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
19·5	21·4	21·2	15·3	15·3	15·5	17·0	16·3	14·5	14·8	15·0	10·4	18·01
18·9	18·2	18·2	16·4	16·4	15·3	—	—	—	—	—	—	17·13
—	—	—	—	—	—	13·4	13·3	12·8	12·8	11·9	16·4	
17·7	17·7	16·9	16·0	16·3	16·3	15·8	12·6	12·9	13·0	16·4	19·7	16·02
23·3	22·1	22·1	22·3	23·9	23·0	22·7	17·9	15·8	14·3	17·4	18·7	20·84
23·8	23·3	23·3	22·9	20·1	21·4	23·1	22·8	23·0	23·0	23·9	23·9	23·78
22·4	22·7	21·2	21·2	21·2	21·2	21·8	21·6	22·6	22·8	24·6	24·5	22·80
23·8	23·3	23·5	24·4	23·7	22·5	25·0	23·6	26·6	26·7	26·7	28·6	24·64
30·6	30·0	30·1	30·4	30·4	30·4	—	—	—	—	—	—	31·20
—	—	—	—	—	—	36·0	36·2	35·3	33·5	36·3	37·2	
37·1	37·0	37·0	37·0	37·6	38·5	37·5	39·2	39·4	39·7	41·6	41·9	38·25
39·1	38·6	36·5	38·7	38·9	35·3	40·2	40·0	40·0	40·2	40·5	40·5	39·36
40·0	40·0	39·2	39·2	38·7	38·9	38·8	38·8	38·6	38·0	37·5	38·7	39·26
40·2	39·9	39·3	38·8	38·7	38·4	38·4	38·4	37·4	37·8	37·0	36·9	38·62
32·6	32·0	32·7	33·0	33·0	33·9	33·2	33·2	33·4	33·4	33·4	34·2	33·93
29·1	29·1	29·1	29·1	29·1	29·0	—	—	—	—	—	—	29·33
—	—	—	—	—	—	26·8	26·5	25·8	24·5	22·4	25·5	
26·4	25·6	25·6	22·0	15·2	23·0	25·3	25·3	27·9	25·5	20·2	21·9	23·74
27·5	28·3	27·9	27·9	27·8	28·0	28·7	29·1	26·7	22·3	21·3	21·9	26·92
28·2	26·3	26·4	25·8	26·9	26·6	21·4	18·9	26·2	26·7	24·6	27·5	27·09
19·8	20·2	19·2	19·2	17·8	7·6	16·3	19·6	17·9	19·0	19·0	23·7	20·02
32·4	30·8	30·2	30·5	30·5	30·5	29·0	28·6	29·1	30·5	31·9	31·9	29·13
25·7	25·3	24·8	24·1	24·8	25·8	—	—	—	—	—	—	27·80
—	—	—	—	—	—	24·9	24·8	25·7	25·9	25·7	25·9	
30·5	31·0	31·0	31·0	31·6	31·8	31·8	32·8	33·1	33·1	34·4	33·6	31·10
37·8	38·1	39·1	39·6	39·8	39·9	39·9	40·9	40·9	40·9	41·9	41·9	38·25
41·9	43·0	44·8	44·5	40·9	42·0	39·8	27·8	41·9	42·0	38·1	38·1	41·31
41·3	42·5	42·7	40·7	41·6	42·3	42·7	43·5	43·1	42·7	43·3	43·7	42·36
39·6	39·6	38·4	39·5	39·4	39·9	40·0	37·5	33·8	38·6	38·7	38·7	40·20
40·0	41·7	41·0	34·2	36·2	35·6	—	—	—	—	—	—	36·68
—	—	—	—	—	—	33·4	33·6	34·7	33·7	33·0	33·0	
30·35	30·30	30·05	29·37	29·07	28·95	29·34	28·56	29·20	29·05	29·10	29·96	29·92

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
77·3	76·9	77·1	77·2	76·8	76·4	76·2	76·0	76·0	76·0	75·8	75·2	75·93
78·0	78·0	78·2	78 0	77·8	77·6	—	—	—	—	—	—	76·89
—	—	—	—	—	—	78·5	78·5	78·4	78·3	77·6	77·0	
78·0	77·5	77·3	77·0	76·2	75·7	75·2	75·0	74·6	74·0	74·0	73·5	76·48
73·1	73·0	73·2	72·8	72·4	72·2	72·0	71·3	71·3	70·7	70·0	70·0	72·29
71·2	71·0	71·0	71·0	71·2	71·3	70·9	70·9	70·7	70·4	70·2	70·5	70·53
71·8	72·0	72·4	71·8	71·5	71·3	71·2	70·8	70·3	70·0	69·6	69·5	70·90
71·9	71·5	71·3	70·5	70·0	69·2	68·4	68·0	67·5	67·0	66·6	66·0	69·60
66·3	65·7	65·6	65·5	65·0	64·7	—	—	—	—	—	—	64·19
—	—	—	—	—	—	60·0	60·0	59·5	59·0	59·0	58·8	
61·6	61·5	61·5	61·5	61·0	60·4	60·0	59·1	58·5	58·2	57·6	57·0	59·99
61·5	61·2	60·8	60·6	59·8	59·5	59·0	58·6	58·0	58·2	58·1	58·1	59·49
59·6	59·5	59·6	59·5	59·4	59·5	59·5	59·8	59·5	59·8	60·0	59·8	59·32
60·0	60·0	60·0	59·8	59·5	59·5	59·7	60·2	60·4	60·5	60·7	61·0	59·86
64·5	64·2	64·5	64·3	64·2	64·0	63·8	63·5	63·5	63·5	63·2	63·2	62·94
67·1	67·1	66·9	66·5	66·0	65·8	—	—	—	—	—	—	66·23
—	—	—	—	—	—	68·7	68·7	68·6	68·5	68·4	68·5	
71·3	71·0	70·5	70·2	68·7	68·9	68·0	67·5	67·5	67·2	66·5	66·3	69·28
67·7	67·8	67·5	67·2	67·2	67·0	66·4	66·0	66·0	65·8	65·5	65·5	66·69
67·4	68·0	68·7	68·5	68·5	68·5	68·5	69·0	68·1	67·5	67·4	67·0	67·19
75·0	74·5	73·7	73·0	72·5	71·9	71·0	70·5	69·6	69·0	68·3	67·5	71·32
65·7	65·5	65·5	65·5	65·0	64·7	64·3	64·0	64·0	64·0	64·0	63·5	65·64
69·0	69·2	69·4	69·0	69·0	69·0	—	—	—	—	—	—	66·86
—	—	—	—	—	—	69·1	69·2	68·3	67·7	67·5	67·5	
64·5	64·3	64·2	64·1	63·5	63·3	63·0	62·6	62·2	62·0	62·0	61·6	64·25
59·8	59·5	59·0	59·2	59·0	58·2	58·0	57·8	57·2	57·2	57·0	57·0	59·34
57·0	57·2	57·0	57·0	56·8	56·3	56·0	55·3	55·2	55·0	54·7	54·2	56·01
58·2	58·0	57·8	57·7	57·2	56·7	56·3	56·0	55·4	55·8	55·5	55·7	55·88
60·0	60·0	60·0	60·0	59·7	59·5	59·5	59·0	58·8	58·8	58·4	58·2	58·33
61·0	61·0	61·0	61·0	60·8	60·5	—	—	—	—	—	—	60·26
—	—	—	—	—	—	61·8	61·5	61·5	61·2	61·0	61·0	
66·87	66·73	66·68	66·48	66·10	65·83	65·58	65·34	65·02	64·81	64·56	64·35	65·60

h Five minutes late.

VERTICAL FORCE.

One Scale Division = ·000094 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.	12^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
OCTOBER.	1	—	—	—	—	—	—	—	—	—	—	—	—	—
	2	34·2	35·5	35·2	34·7	34·4	34·2	33·9	33·9	35·1	35·0	34·7	34·7	34·7
	3	32·8	37·5	37·2	36·5	36·9	36·8	36·9	36·9	37·8	37·8	38·2	38·3	38·5
	4	43·5	43·1	41·2	40·7	40·7	40·1	38·8	38·8	39·7	40·0	40·0	39·5	39·5
	5	38·2	41·3	43·6	38·6	40·7	38·4	39·8	40·0	41·1	42·0	39·4	38·5	38·5
	6	39·9	41·3	40·7	39·4	37·9	37·2	37·2	37·5	37·1	36·5	36·2	37·1	36·3
	7	36·9	36·9	36·6	36·6	36·4	36·4	36·4	36·8	36·9	36·5	36·6	36·3	—
	8	—	—	—	—	—	—	—	—	—	—	—	—	41·6
	9	43·6	45·9	45·9	44·8	42·9	41·3	41·3	42·5	42·7	42·4	42·4	41·6	43·2
	10	43·2	45·4	43·1	42·1	41·4	40·7	40·7	41·2	41·6	41·6	41·6	41·9	39·4
	11	41·4	41·4	41·4	41·4	40·5	40·5	39·9	39·4	39·4	39·9	39·9	39·9	37·5
	12	39·3	40·3	40·8	37·9	36·6	35·1	35·6	36·0	37·0	37·0	37·4	38·0	41·6
	13	42·5	44·1	44·4	42·7	41·0	40·0	40·0	40·1	40·7	40·9	41·3	41·6	49·1
	14	44·4	45·5	44·5	43·4	43·3	41·9	41·9	42·8	43·9	44·3	46·1	47·0	—
	15*	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		39·99	41·52	41·22	39·90	39·39	38·55	38·52	38·82	39·42	39·49	39·48	39·55	39·70

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°	°
OCTOBER.	1	—	—	—	—	—	—	—	—	—	—	—	—	—
	2	61·0	61·2	61·4	61·0	61·0	61·0	61·0	61·0	61·2	61·5	61·7	61·5	61·6
	3	58·6	58·2	58·2	58·6	59·0	59·0	59·0	59·0	59·0	59·0	59·0	59·0	58·8
	4	55·2	55·2	55·4	55·7	56·2	56·6	56·7	57·2	57·3	57·5	57·8	58·0	58·2
	5	54·2	54·7	55·8	56·5	56·4	57·0	57·0	57·4	58·0	58·8	59·0	59·2	59·2
	6	56·7	56·5	56·7	57·1	57·7	58·2	59·0	59·2	59·7	60·0	60·3	60·3	60·5
	7	60·3	60·3	60·3	60·0	60·0	60·0	60·0	60·0	60·0	60·0	60·4	60·3	60·3
	8	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	54·1	53·4	53·2	53·5	53·7	54·0	54·4	54·6	55·1	55·2	55·5	55·5	55·5
	10	54·0	53·2	54·2	54·7	55·0	55·4	55·7	55·8	56·1	56·2	56·5	56·3	56·3
	11	56·7	56·7	56·5	56·5	56·5	56·5	57·0	57·2	57·4	57·5	57·6	57·6	58·0
	12	57·7	57·5	57·5	58·5	59·0	59·0	59·0	59·0	59·2	59·3	59·3	59·2	59·5
	13	54·5	54·2	54·3	54·3	54·7	55·0	55·3	55·9	56·0	56·0	56·5	56·4	56·2
	14	52·7	52·7	53·3	53·7	53·4	53·8	54·0	54·4	54·2	54·2	54·2	54·2	54·2
	15*	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		56·31	56·15	56·40	56·68	56·88	57·12	57·34	57·56	57·77	57·93	58·15	58·12	58·19

* The Vertical Force Magnet removed for temperature experiments.

VERTICAL FORCE.

One Scale Division = ·000094 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00007.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
—	—	—	—	—	—	—	—	—	—	—	—	—
34·7	34·8	34·8	35·2	35·5	35·5	35·0	26·2	25·6	19·1	31·8	32·1	33·16
38·5	39·1	39·1	39·1	39·1	40·1	36·9	37·0	37·0	35·0	41·0	40·9	37·77
39·5	39·5	39·5	37·8	38·9	38·9	37·5	38·3	38·2	38·5	36·8	37·1	39·44
38·5	38·4	38·5	35·3	40·0	38·3	39·0	38·9	39·6	39·6	39·6	39·6	39·45
36·5	36·5	36·7	36·7	36·7	35·2	33·6	35·1	35·3	34·8	35·9	35·9	36·94
36·3	36·1	36·8	36·8	36·8	35·1	—	—	—	—	—	—	37·44
—	—	—	—	—	—	41·6	40·6	41·1	35·8	40·4	41·9	
41·6	41·6	41·6	41·6	41·6	41·6	41·6	41·6	39·0	40·8	40·5	41·9	42·18
43·2	41·7	41·7	41·7	41·7	41·7	41·8	41·6	41·5	41·9	41·5	41·5	41·92
39·4	39·4	39·4	39·6	39·9	39·1	38·6	38·6	38·0	38·6	39·1	39·1	39·77
37·5	38·0	38·8	38·8	39·4	40·1	39·0	39·0	40·4	40·4	41·1	42·3	38·58
41·6	42·2	42·5	43·0	42·1	42·1	42·1	42·4	42·0	41·3	33·5	39·9	41·42
49·1	52·1	48·9	48·9	47·9	45·0	—	—	—	—	—	—	46·09
—	—	—	—	—	—	47·7	47·7	47·7	49·7	46·2	46·2	
39·70	39·95	39·86	39·54	39·97	39·39	39·53	38·92	38·81	37·96	38·95	39·87	39·51

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
—	—	—	—	—	—	—	—	—	—	—	—	—
61·6	61·5	61·4	61·0	60·7	60·5	60·0	59·8	59·3	59·4	59·3	59·0	60·75
58·8	58·4	58·2	57·9	57·3	57·2	57·0	56·2	55·7	55·2	55·5	55·6	57·86
58·2	58·0	57·6	57·6	57·4	56·9	56·3	56·2	56·0	55·7	55·2	54·7	56·61
59·2	59·2	59·2	59·0	58·8	58·6	58·2	58·2	57·8	57·6	57·2	57·0	57·67
60·5	60·5	60·4	60·4	60·4	60·4	60·5	60·5	60·7	60·5	60·2	60·3	59·45
60·3	60·5	60·5	60·5	60·3	60·3	—	—	—	—	—	—	58·88
—	—	—	—	—	—	54·7	55·6	55·3	55·0	54·4	54·2	
55·5	55·5	55·5	56·0	56·0	56·0	55·8	55·8	55·3	54·7	54·5	54·5	54·88
56·3	56·4	56·4	56·4	56·2	56·0	56·0	56·0	56·2	56·2	56·2	56·2	55·73
58·0	58·0	58·0	58·0	58·0	57·8	58·0	58·4	58·4	58·0	58·0	57·7	57·50
59·5	59·2	59 0	58·8	58·4	57·6	57·3	56·6	56·2	56·0	55·4	55·1	58·05
56·2	56·0	55·8	55·5	55·3	55·2	54·9	54·5	54·2	54·1	54·0	53·3	55·09
54·2	53·9	53·6	53·2	53·2	53·0	—	—	—	—	—	—	52·53
—	—	—	—	—	—	49·2	49·3	49·3	49·2	48·9	49·0	
58·19	58·09	57·97	57·86	57·67	57·46	56·49	56·43	56·18	55·97	55·73	55·55	57·08

January 18th and 19th. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0′·721. DECLINATION.										
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	124·2	125·0	126·0	127·8	128·6	129·0	129·0	128·3	128·0	128·0	125·7
5	0	124·8	125·0	126·0	128·0	128·6	129·9	129·8	128·7	128·0	127·3	126·0
10	0	124·4	125·0	126·0	127·9	128·4	130·0	129·7	128·7	128·0	127·0	126·2
15	0	125·0	125·0	126·0	127·8	128·2	130·0	129·3	128·8	127·9	127·5	127·0
20	0	124·7	125·0	126·0	127·6	129·0	130·0	129·1	128·1	128·0	127·3	127·0
25	0	124·7	125·0	126·0	127·8	129·0	129·9	128·9	128·2	127·9	126·9	128·0
30	0	124·9	125·0	126·3	127·4	128·0	129·8	128·9	128·0	127·8	126·8	128·3
35	0	124·5	125·0	126·3	127·4	127·8	129·4	128·2	128·0	128·6	127·0	128·3
40	0	124·9	125·6	126·7	127·4	128·4	129·4	128·1	128·2	127·6	127·2	128·2
45	0	124·6	125·6	127·0	128·0	129·0	129·3	128·1	128·2	127·7	127·8	128·1
50	0	124·4	125·2	127·0	128·4	129·2	128·8	128·3	128·0	127·8	127·0	129·0
55	0	124·8	125·7	127·3	128·5	129·3	129·2	128·3	128·0	127·9	126·0	128·5
		One Scale Division = ·000074 parts of the H. F. HORIZONTAL FORCE.										
M.	S.											
2	0	472·4	468·0	463·0	463·0	462·0	459·0	460·1	460·2	462·5	462·6	463·0
7	0	473·6	468·6	462·5	463·8	462·1	459·5	459·0	460·1	462·3	462·0	463·5
12	0	473·0	467·0	462·2	463·4	462·4	459·4	460·2	460·8	462·0	461·9	465·2
17	0	472·2	466·0	462·0	463·6	462·9	459·6	460·0	461·9	462·1	462·0	465·2
22	0	470·0	464·4	462·0	463·3	463·2	460·4	460·3	462·9	462·8	463·0	463·0
27	0	468·7	463·0	463·0	464·0	463·6	460·1	459·7	463·0	462·7	463·0	463·0
32	0	469·8	461·5	463·0	464·0	462·9	460·0	460·0	463·0	463·0	463·5	465·5
37	0	470·2	461·0	464·0	463·8	462·1	459·9	459·2	462·5	463·0	464·1	465·0
42	0	470·4	461·0	463·0	462·8	460·9	459·9	459·5	462·1	463·6	464·0	464·0
47	0	469·0	461·0	462·7	462·0	461·6	459·2	459·7	462·0	463·0	463·5	464·0
52	0	468·0	461·0	463·0	462·1	461·1	459·4	460·0	462·0	462·8	462·5	463·7
57	0	468·1	461·0	463·0	462·1	460·5	460·7	460·5	462·1	462·4	463·2	462·2
Thermometer		52°·0	52°·5	52°·5	52°·8	53°·1	53°·3	53°·2	52°·6	52°·1	52°·0	51°·6
		One Scale Division = ·000093 parts of V. F. VERTICAL FORCE.										
M.	S.											
3	0	67·6	67·1	67·4	66·7	65·8	64·3	63·7	64·6	64·6	65·2	65·0
8	0	67·6	67·1	67·4	66·5	65·8	64·0	63·4	64·6	64·9	64·9	65·0
13	0	67·6	67·1	67·0	66·4	65·8	64·1	63·4	—	64·9	65·7	65·0
18	0	67·6	67·2	67·0	66·4	65·8	64·1	63·4	64·8	64·9	65·7	65·0
23	0	67·1	67·2	67·0	66·4	65·8	64·1	63·5	64·8	64·9	65·7	64·7
28	0	67·1	67·1	67·0	66·3	65·5	64·1	63·5	64·8	64·9	65·7	64·7
33	0	67·1	66·7	67·0	66·3	65·4	64·0	63·5	64·5	65·5	65·4	64·7
38	0	67·0	66·5	67·0	66·3	65·4	63·9	64·2	64·5	65·0	65·4	64·7
43	0	66·7	66·5	67·0	65·9	65·0	63·8	64·2	64·5	65·1	65·4	65·0
48	0	66·7	66·5	67·0	65·8	64·9	63·7	64·3	64·5	65·1	65·3	65·0
53	0	67·1	66·5	66·7	65·8	64·9	63·6	64·3	64·5	65·2	65·1	65·0
58	0	67·1	66·5	66·7	65·8	64·6	63·9	64·4	64·5	65·2	65·1	65·0
Thermometer		49°·2	51°·0	51°·7	52°·0	52°·7	53°·5	54°·0	53°·3	52°·9	52°·5	52°·2

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°		lbs.	
18	10	0	29·980	43·7	38·8	—	0·0	Light cir. and base overspreading the sky.
	11	0	29·969	38·2	35·4	—	0·0	Partially clouded with cir.-cum. and clr.
	12	0	29·961	34·6	31·6	—	0·0	·5 clear in zenith, remainder light cir. and haze.
	13	0	29·940	34·8	32·0	—	0·0	Partially clouded with cir.-cum. and cir.
	14	0	29·946	35·0	32·3	—	0·0	Partially clouded round horizon; ·7 clear. [horizon; ·5 clear.
	15	0	29·945	37·7	34·4	—	0·0	Partially clouded; light cir.-cum. in zenith; cir.-strat. round
	16	0	29·927	37·0	33·3	—	0·0	Light cir.; ·6 clear, fair.
	17	0	29·909	38·7	33·8	—	0·0	·9 clear; cir. with haze round horizon; fair.
	18	0	29·911	38·9	34·0	—	0·0	·2 clear, remainder overcast.
	19	0	29·879	34·2	30·4	—	0·0	·3 clear, remainder clouded; cir., cir.-cum. and haze.
	20	0	29·861	34·0	31·2	—	0·0	Clouded; cir.-cum. and haze.
	21	0	29·841	34·0	31·4	—	0·0	Partially clouded with light cir. and haze.

MAGNETICAL OBSERVATIONS. January 18th and 19th.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
128·0	127·3	127·4	127·4	128·0	130·5	133·6	132·3	129·5	126·8	123·2	122·4	122·0
127·6	127·5	127·3	127·6	128·2	130·7	133·3	132·0	129·2	126·4	123·1	122·3	122·0
128·0	127·0	127·5	127·9	128·7	131·0	133·0	131·3	129·0	126·0	122·8	122·2	122·0
128·9	127·1	127·0	127·6	128·7	131·1	133·1	131·0	128·3	125·8	122·8	122·2	122·1
129·0	126·5	126·2	127·6	129·1	131·2	132·8	131·5	128·6	125·8	122·4	122·2	122·2
128·8	125·6	126·7	128·2	129·3	131·0	132·8	131·3	128·4	125·2	122·2	122·2	122·3
129·0	127·3	127·0	128·2	129·3	131·1	132·7	131·1	128·8	125·0	122·4	122·2	122·8
128·2	127·0	127·4	128·5	129·5	132·0	132·9	130·9	128·0	124·8	122·4	122·1	122·8
128·0	127·0	127·5	128·3	129·8	132·2	132·7	131·0	127·8	124·2	122·2	122·0	123·0
127·9	127·0	127·0	127·9	129·9	132·4	133·0	130·8	127·5	124·0	122·2	121·9	123·1
127·2	127·0	127·0	127·8	129·7	132·5	133·0	130·1	127·1	123·8	122·4	122·0	123·0
128·0	127·1	127·1	127·9	130·0	133·0	132·8	129·9	127·1	123·5	122·5	122·0	123·0

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

461·2	463·5	467·3	465·5	464·1	458·4	457·1	450·7	439·5	436·7	436·6	446·2	454·9
462·0	463·0	465·6	464·8	463·7	458·2	457·5	449·7	439·7	436·9	437·1	448·0	454·4
461·9	465·2	467·4	465·4	463·6	459·0	457·0	448·2	440·5	435·8	437·2	449·0	454·6
462·0	465·2	467·0	464·9	463·6	459·1	456·6	447·0	438·5	437·0	437·8	449·0	456·0
463·0	465·0	466·0	464·4	463·4	459·6	456·1	449·2	438·5	438·7	439·6	449·0	456·4
463·0	465·0	466·3	464·4	463·3	459·6	456·1	449·2	438·5	438·7	439·6	449·0	456·4
463·5	465·5	465·5	464·5	463·3	458·8	455·2	445·2	439·1	437·7	440·6	449·2	455·6
464·1	465·0	465·4	465·5	463·3	458·8	455·2	445·2	439·1	437·7	440·6	449·2	455·6
464·0	464·0	465·0	463·8	462·7	458·9	452·7	444·8	439·4	438·4	442·2	451·0	454·4
463·5	464·0	465·4	461·5	458·5	452·5	443·4	438·2	438·1	442·2	451·7	456·1	
462·5	463·7	465·5	465·3	460·7	458·8	451·6	442·2	436·2	437·6	443·4	452·2	456·1
463·2	462·2	467·1	465·7	465·4	460·2	457·6	451·9	441·5	437·2	436·7	444·7	453·5	457·1
		463·4	467·4	466·0	465·7	458·7	457·9	452·0	441·0	437·6	430·8	445·6	451·8	457·8
52·0	51·6	51·6	52·0	53·2	53·6	54·4	55·5	56·0	54·7	54·2	53·9	54·0	54·0	54·3[a]

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

65·2	65·0	65·0	64·6	63·8	62·8	62·1	60·8	61·0	61·7	62·2	62·9	63·8	63·9
64·9	65·0	65·5	64·6	63·8	62·8	61·8	60·8	61·0	61·9	62·2	62·9	63·8	63·9
65·7	65·0	65·5	64·6	63·6	62·8	61·8	60·5	61·0	61·9	62·4	62·9	63·9	64·3
65·7	65·0	65·6	64·4	63·6	62·5	61·8	60·5	61·0	61·9	62·4	63·1	64·0	64·1
65·7	64·7	65·4	65·8	64·0	63·6	62·4	61·9	60·5	60·9	61·9	62·9	63·1	64·0	64·2
65·7	64·7	65·4	65·8	64·0	63·6	62·4	61·5	60·3	60·9	62·2	62·9	63·1	64·2	64·2
65·4	64·7	65·4	65·1	63·9	63·3	62·3	61·5	60·3	60·9	62·2	62·9	63·1	64·2	64·2
65·4	64·7	65·4	65·0	63·7	63·3	62·3	61·5	60·0	60·9	62·2	62·8	63·4	64·2	63·4
65·4	64·7	65·4	65·0	63·7	63·3	62·3	61·2	60·0	60·9	62·2	62·8	63·4	64·2	63·4
65·4	65·0	65·4	65·0	63·7	63·3	62·3	61·2	60·0	60·9	62·2	62·8	63·4	64·2	63·4
65·4	65·0	65·3	65·0	63·5	63·2	62·1	61·1	60·1	60·9	62·2	62·7	63·4	64·2	63·4
65·4	65·0	65·1	65·0	63·2	62·1	61·1	60·1	60·9	62·2	62·7	63·4	64·2	63·4
65·4	65·0	65·1	65·0	63·2	62·1	60·9	60·1	60·9	62·2	62·7	63·4	64·2	63·9
65·4	64·6	64·0	63·1	62·1	60·9	60·1	61·5	62·5	62·7	63·6	64·2	63·7
65·5	64·7	64·1	63·1	62·1	60·8	60·7	61·4	62·5	62·9	63·6	64·2	63·7
52·5	52·2	52·0	52·2	53·4	53·8	54·4	55·2	56·0	55·2	54·5	54·2	54·2	54·1	54·4[a]

[a] At 19h 10h Thermometer of H. F. 54°·5; of V. F. 53°·7.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Weather.
		Dry.	Wet.	Direction.	Force.	
D. H. M.	In.	°	°		lbs.	
18 22 0	29·824	36·6	33·4	—	0·0	Clouded, cir.-cum. and haze.
23 0	29·826	35·7	33·0	—	0·0	Overcast with cir.-strat. and haze.
19 0 0	29·811	36·1	33·0	—	0·0	Densely overcast.
1 0	29·813	37·4	34·2	—	0·0	Densely overcast.
2 0	29·816	37·4	33·5	—	0·0	Clouded with cir.-cum., cir.-strat. and haze.
3 0	29·813	38·4	34·5	S. by W.	0·0	Clouded with cir.-cum. and haze.
4 0	29·812	37·8	34·4	—	0·0	Clouded with cir.-cum. and haze.
5 0	29·806	39·5	35·6	—	0·0	Clouded with cir.-cum. and haze.
6 0	29·774	39·9	36·2	S. S. W.	0·5	Light cir.-cum. and haze covering the sky.
7 0	29·764	41·8	37·9	S. S. W.	0·5	Overcast with cir.-cum., cir.-strat. and haze.
8 0	29·743	42·2	38·4	S. W. by S.	0·5	Overcast with cir.-cum., cir.-strat. and haze.
9 0	29·744	42·0	38·3	S. W. by S.	0·5	Clouded with cir.-strat. and haze.
10 0	29·742	41·7	38·0	S. W. by S.	0·5	Clouded with cir.-cum., strat. and haze.

February 24th and 25th. **MAGNETICAL OBSERVATIONS.**

DECLINATION.

Angular Value of one Scale Division = 0′·721.

Mean Göttingen Time.		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div	Sc. Div.
0	0	126·2	126·5	130·7	138·8	129·0	129·0	132·0	157·4	140·6	127·0	127·5
5	0	126·6	126·2	134·5	138·0	129·6	128·7	132·0	154·0	136·6	127·4	128·0
10	0	126·7	126·1	138·4	137·6	130·0	128·9	131·9	143·6	133·1	127·4	127·9
15	0	126·7	126·1	146·5	136·0	130·1	129·0	131·0	130·3	131·0	127·5	127·6
20	0	127·0	126·0	155·8	133·0	131·0	129·8	129·9	122·6	127·4	127·2	127·2
25	0	127·0	128·5	156·0	132·0	130·6	130·0	128·5	121·2	127·6	127·0	127·2
30	0	127·0	131·4	154·0	132·0	130·0	129·7	128·5	120·8	128·1	127·5	127·5
35	0	126·9	132·0	150·8	131·0	130·0	130·0	128·8	123·5	128·5	127·0	128·0
40	0	127·0	131·4	147·0	129·9	129·4	129·9	130·4	128·3	127·5	127·0	128·0
45	0	126·8	131·0	145·7	129·9	129·5	130·4	138·1	134·4	126·8	127·0	128·0
50	0	126·2	130·5	143·2	129·7	129·4	130·0	146·2	138·8	126·9	127·0	128·0
55	0	126·3	131·0	140·0	129·3	129·0	131·0	154·1	140·9	127·0	127·3	128·0

HORIZONTAL FORCE.

One Scale Division = ·000099 parts of the H. F.

M.	S.										
2	0	—*	—	—	—	—	—	—	—	498·1	502·5
7	0	—	—	—	—	—	—	—	—	—	—
12	0	—	—	—	—	—	—	—	—	—	—
17	0	—	—	—	—	—	—	—	—	—	—
22	0	—	—	—	—	—	—	—	—	—	—
27	0	—	—	—	—	—	—	—	—	—	—
32	0	—	—	—	—	—	—	—	—	—	—
37	0	—	—	—	—	—	—	—	—	—	—
42	0	—	—	—	—	—	—	—	—	—	—
47	0	—	—	—	—	—	—	—	—	—	—
52	0	—	—	—	—	—	—	—	—	—	—
57	0	—	—	—	—	—	—	—	—	—	—
Thermometer		—	—	—	—	—	—	—	—	45°·6	45°·5

VERTICAL FORCE.

One Scale Division = ·000093 parts of the V. F.

M.	S.										
3	0	81·6	81·5	80·4	77·3	78·7	74·0	73·5	68·5	70·4	72·6	73·2
8	0	81·5	81·8	80·8	77·2	77·9	73·9	73·4	63·2	70·4	72·6	73·2
13	0	81·2	81·4	81·5	77·6	77·4	73·5	73·6	63·6	70·4	72·8	74·2
18	0	80·8	81·4	80·7	78·3	76·9	73·2	73·6	59·6	71·0	72·8	74·2
23	0	80·5	82·0	80·4	79·6	76·5	73·1	73·6	57·7	71·0	72·8	74·2
28	0	80·7	81·6	80·0	80·4	76·0	72·8	73·6	58·6	72·1	72·8	74·2
33	0	80·7	81·6	79·3	80·4	75·8	72·7	73·6	58·9	72·4	72·8	74·2
38	0	80·9	81·7	78·5	80·6	75·8	72·7	73·2	59·6	72·4	72·8	74·2
43	0	80·8	81·7	78·4	80·6	75·0	73·2	77·5	66·5	72·6	73·2	74·2
48	0	80·8	81·5	78·1	80·4	74·8	73·3	71·4	67·1	72·6	73·2	74·2
53	0	80·8	81·4	77·8	80·1	74·4	73·4	69·7	68·6	72·6	73·2	74·2
58	0	81·5	81·4	77·5	—	74·3	73·2	68·5	69·4	72·6	73·2	74·2
Thermometer		41°·0	41°·8	43°·0	43°·6	44°·3	45°·5	45°·8	46°·2	46°·4	46°·2	45°·8

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°		lbs.	
24	10	0	29·337	27·2	24·0	—	0·0	Densely clouded; cir.-cum. and cir.-strat.
	11	0	29·338	26·9	22·2	—	0·0	Densely clouded; cir.-cum. and cir.-strat.
	12	0	29·348	25·8	21·7	—	0·0	Densely clouded; cir.-cum. and cir.-strat.
	13	0	29·351	25·4	21·7	—	0·0	Densely overcast.
	14	0	29·353	24·7	20·9	—	0·0	Densely clouded.
	15	0	29·346	24·0	20·7	—	0·0	Densely clouded.
	16	0	29·337	25·0	22 0	—	0·0	Densely clouded.
	17	0	29·330	24·0	20·7	—	0·0	Densely overcast.
	18	0	29·326	23·0	19·9	—	0·0	Densely overcast.
	19	0	29·312	22·8	19·6	—	0·0	Densely overcast.
	20	0	29·323	23·2	19·9	—	0·0	Densely overcast.
	21	0	29·309	23·0	19·5	—	0·0	Densely overcast.

MAGNETICAL OBSERVATIONS. February 24th and 25th.

Declination. Angular Value of one Scale Division = 0′·721.

19h.	20h.	21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
127·0	127·5	127·8	128·0	128·2	126·8	129·0	131·6	129·9	127·4	124·7	123·7	123·7	124·5	125·6
127·4	128·0	127·7	127·3	128·0	126·7	128·7	130·9	129·2	127·1	124·6	124·0	123·8	124·3	125·6
127·4	127·9	128·0	127·9	127·4	126·0	129·6	131·0	129·5	126·5	125·0	124·0	123·6	124·7	125·3
127·5	127·6	128·0	127·9	128·0	126·0	129·7	130·4	129·0	127·7	123·7	123·9	123·7	124·5	125·1
127·2	127·2	128·0	128·0	128·0	126·2	129·6	130·2	129·2	125·4	124·3	123·9	123·8	124·7	125·0
127·0	127·2	128·0	128·0	128·0	126·0	129·8	130·4	128·8	125·8	124·8	124·0	123·2	126·1	125·1
127·5	127·5	128·0	128·0	128·1	128·1	129·7	130·7	129·0	126·8	124·6	124·0	124·0	124·9	125·2
127·0	128·0	128·0	127·7	128·4	127·1	130·0	130·6	128·5	126·5	123·9	123·5	124·6	125·0	126·0
127·0	128·0	128·0	127·6	128·3	127·6	130·3	130·8	127·9	126·5	124·3	123·5	124·1	125·0	126·0
127·0	128·0	128·0	127·0	128·9	128·9	130·5	130·0	127·7	125·9	124·4	123·5	124·1	125·1	125·9
127·0	128·0	128·0	128·0	128·0	128·8	131·2	129·5	128·0	125·3	124·0	123·7	125·0	125·5	126·1
127·3	128·0	128·0	127·9	127·2	128·5	131·8	129·9	127·6	125·4	123·8	123·3	124·7	125·6	125·8

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00027.

498·1	502·5	510·0	512·8	517·9	517·7	521·8	525·0	525·9	524·5	529·5	530·0	539·3	539·0	548·7
—	—	—	512·1	517·8	517·4	522·3	524·4	525·9	525·6	530·0	530·8	538·4	540·8	546·3
—	—	—	512·5	517·9	517·9	522·8	525·0	526·1	524·6	528·6	531·5	537·6	543·5	551 1
—	—	—	512·0	518·4	518·5	522·8	525·2	525·8	527·0	529·5	535·0	538 0	540·8	550·1
—	—	—	512·8	519·2	520·3	521·6	524·5	526·0	525·4	531·9	533·3	538·3	541·2	550·0
—	—	—	514·0	519·5	519·1	522·0	524·6	525·1	524·1	531·3	534·5	538·6	539·5	547·8
—	—	—	515·1	520·1	521·2	524·1	525·2	524·9	525·6	530·2	535·0	539·3	539·2	547·2
—	—	—	515·0	520·6	520·6	523·0	525·1	525·4	526·1	529·8	534·3	540·0	538·2	545·9
—	—	—	517·1	520·2	520·2	523·5	525·7	525·0	528·3	531·0	537·5	539·2	539·0	547·4
—	—	—	514·2	520·3	521·2	523·4	526·0	525·0	527·0	530·7	537·0	537·8	539·8	549·4
—	—	—	517·1	520·6	522·4	524·1	525·1	525·8	527·3	531·3	537 3	539·6	541·4	549·0
—	—	—	516·9	517·8	522·0	524·6	525·1	526·0	529·8	531·2	537·9	539·7	543·6	547·2
° 45·6	° 45·5	° 45·5	° 45·2	° 44·9	° 45·2	° 45·0	° 44·5	° 43·9	° 43·8	° 44·0	° 45·2	° 45·6	° 46·0	° 46·2[b]

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

72·6	73·2	74·2	74·3	74·4	74·3	73·1	74·7	74·8	73·6	73·2	72·9	72·8	73·0	72·6
72·6	73·2	74·2	74·2	74·4	74·3	73·2	74·7	74·8	73·6	73·2	72·8	72·8	73·4	72·6
72·8	74·2	74·2	74·3	74·4	74·3	73·4	75·0	74·8	73·8	72·9	72·8	73·1	73·4	72·9
72·8	74·2	74·2	74·3	74·4	74·3	74·4	75·0	74·5	73·8	73·7	72·8	73·1	72·6	72·9
72·8	74·2	74·2	74·4	74·4	74·3	74·3	75·0	74·7	73·8	73·5	72·3	73·1	72·6	72·6
72·8	74·2	74·3	74·4	74·4	73·9	74·8	75·0	74·7	73·4	73·0	72·6	73·1	72·5	72·5
72·8	74·2	74·3	74·4	74·4	73·5	74·5	75·0	74·6	73·4	73·0	72·6	72·9	72·3	72·5
72·8	74·2	74·3	74·3	74·4	73·8	74·5	75·0	74·6	73·4	73·0	72·6	72·5	72·7	72·7
73·2	74·2	74·3	74·5	74·4	73·8	74·5	75·0	74·6	73·3	73·0	72·6	72·3	72·6	72·3
73·2	74·2	74·3	74·1	74·4	73·8	74·5	75·0	73·6	73·2	73·0	72·6	72·5	72·1	72·8
73·2	74·2	74·3	74·4	74·4	73·8	74·6	75·0	73·7	73·2	73 0	72·6	72·5	72·1	72·8
73·2	74·2	74·3	74·4	74·4	73·8	74·7	75·0	73·7	73·2	73·0	72·6	72·5	72·1	72·4
° 46·2	° 45·8	° 45·4	° 45·4	° 45·4	° 45·6	° 45·8	° 45·5	° 45·0	° 44·4	° 44·6	° 45·2	° 45·7	° 45·8	° 46·2[b]

[a] A new adjustment of the instrument on the 24th day.

[b] At 25d 10h the thermometer of H. F. 46°·8; of V. F. 46°·6.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°		lbs.	
24	22	0	29·311	23·2	19·8	—	0·0	Densely overcast.
	23	0	29·293	23·3	19·9	—	0·0	Densely overcast.
25	0	0	29·295	24·1	21·1	S. W.	0·5	Densely overcast; cir.-strat. and haze.
	1	0	29·295	23·8	20·9	S. W.	0·5	Overcast; cir.-strat., cir.-cum. and haze.
	2	0	29·285	23·6	21·0	S. W.	0·5	Overcast; cir.-strat., cir.-cum. and haze.
	3	0	29·282	23·9	21·5	S. W. by S.	1·0	Partially overcast; cir.-strat., cir.-cum. and haze.
	4	0	29·265	25·4	23·2	S. S. W.	1·0	Partially overcast; cir.-cum. and cum.-strat.; ·1 clear.
	5	0	29·248	28·2	26·0	S. S. W.	1·0	Partially overcast; cir.-cum. and cir.-strat.; ·1 clear.
	6	0	29·233	30·7	28·2	S. S. W.	1·0	·1 clear in N.; remainder overcast; light cir.-cum. and haze; fair.
	7	0	29·196	32·3	29·4	S. S. W.	1·0	·3 clear in N. W.; remainder clouded; light cir.-cum. and haze; fair.
	8	0	29 182	33·8	31·4	S. S. W.	1·0	Overcast with strat., cir.-strat. and haze.
	9	0	29·199	34·3	31 3	S. W.	1·0	Overcast with cir.-strat. and dense haze; particles of snow falling.
	10	0	29·224	32·4	30·0	W. S. W.	1·0	Uniformly overcast with cir.-cum., cir.-strat. and haze.

March 22nd and 23rd. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0′·721. DECLINATION.										
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	121·0	124·7	125·7	128·0	137·0	130·3	131·4	128·3	125·4	123·6	128·3
5	0	121·2	124·7	120·0	128·1	135·0	129·4	130·0	128·3	120·6	123·0	129·3
10	0	121·3	124·5	125·8	132·3	134·0	132·1	130·0	128·5	125·8	122·9	130·3
15	0	121·9	124·6	125·9	137·4	133·0	132·4	129·0	128·0	125·4	122·0	130·3
20	0	122·7	125·0	126·3	140·1	131·2	131·0	129·2	128·0	126·4	123·0	130·0
25	0	122·8	125·0	126·3	141·0	130·1	131·0	129·5	128·0	126·5	124·2	131·2
30	0	123·2	125·7	126·2	139·1	130·8	132·0	129·5	128·0	127·0	124·2	131·8
35	0	123·9	125·1	126·3	139·6	130·6	133·5	130·1	127·4	127·0	125·5	130·1
40	0	123·9	125·0	126·8	138·0	130·8	134·0	129·2	127·4	127·1	126·3	130·4
45	0	123·6	125·4	126·8	139·1	131·9	133·2	128·6	127·0	127·0	127·4	129·6
50	0	124·2	125·5	126·1	141·4	131·0	132·4	128·5	127·0	126·7	128·3	128·3
55	0	124·5	125·4	126·6	139·4	131·0	131·8	128·7	127·1	124·3	128·1	130·1
		One Scale Division = ·000099 parts of the H. F. HORIZONTAL FORCE.										
M.	S.											
2	0	680·4	684·6	677·0	674·3	660·0	670·1	673·3	674·8	676·0	683·4	684·6
7	0	680·2	684·8	679·1	668·3	661·0	670·4	673·0	675·0	677·7	683·7	684·4
12	0	679·2	683·3	679·7	661·9	662·5	674·0	673·9	674·8	679·3	684·9	679·6
17	0	680·1	683·1	681·0	660·0	663·0	674·0	673·6	675·0	680·0	683·8	683·6
22	0	679·9	681·9	683·3	660·0	664·0	673·0	675·8	675·7	680·0	684·7	681·8
27	0	680·8	683·4	683·2	661·1	665·2	671·5	675·0	676·7	678·8	684·7	682·1
32	0	681·2	681·1	683·4	661·1	668·0	672·3	674·9	677·5	677·8	682·5	685·1
37	0	680·3	680·2	682·9	660·4	668·7	674·0	674·8	678·3	677·8	684·8	684·3
42	0	684·9	678·5	683·5	661·3	669·0	675·0	674·5	678·6	676·9	681·9	683·6
47	0	689·7	677·4	680·9	659·0	670·0	675·4	674·5	678·9	675·9	683·7	686·5
52	0	685·4	677·8	678·6	659·0	670·0	674·0	674·6	678·7	676·9	683·6	684·6
57	0	684·3	677·5	673·7	659·0	670·0	673·8	675·0	678·6	680·2	685·0	683·3
Thermometer		44°·8	45°·4	45°·5	45°·5	45°·2	44°·8	44°·2	43°·6	43°·3	42°·5	41°·6
		One Scale Division = ·000094 parts of the V. F. VERTICAL FORCE.										
M.	S.											
3	0	75·4	74·9	74·5	75·5	76·5	77·0	76·1	76·7	75·5	74·8	74·4
8	0	75·4	74·9	75·1	75·1	76·7	77·0	76·2	76·7	75·5	74·7	74·1
13	0	74·8	74·9	75·1	75·1	76·7	77·0	76·2	76·7	75·6	74·7	74·3
18	0	74·8	74·5	75·1	75·8	76·7	76·4	76·2	76·7	75·1	75·0	74·7
23	0	74·8	74·5	75·1	76·1	77·0	76·4	76·2	76·3	75·1	74·6	75·1
28	0	74·3	74·5	74·9	76·1	77·0	76·5	76·2	76·3	75·1	75·4	75·1
33	0	74·3	74·9	74·8	75·7	77·0	76·5	76·2	76·3	75·1	75·4	75·4
38	0	74·3	74·9	74·8	75·7	77·0	76·5	76·2	76·3	74·4	75·6	75·8
43	0	74·3	74·5	73·8	75·7	77·1	76·5	76·6	76·3	74·4	75·6	75·8
48	0	75·2	74·5	73·8	75·7	76·9	76·4	76·6	76·3	74·1	75·6	76·0
53	0	74·9	74·5	73·8	75·7	77·0	76·4	76·8	76·3	74·1	75·4	76·1
58	0	74·9	74·5	74·4	76·5	77·0	76·4	76·8	76·4	74·3	75·4	76·1
Thermometer		44°·4	44°·7	44°·9	45°·7	45°·6	44°·9	44°·8	44°·4	43°·8	43°·6	42°·2

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	in.	°	°		lbs.	
22	10	0	29·162	33.2	29·4	S. by W.	1·0	Cir.-strat. and cir.-cum. generally dispersed over the sky; fair.
	11	0	29·169	33·0	28·8	W. by S.	1·0	Cir.-cum. and cum.-strat. dispersed generally over the sky; fair.
	12	0	29·184	27·4	22·4	W. by S.	0·5	Overcast with cir.-strat. and base.
	13	0	29·193	23·5	19·6	W. by S.	0·5	Overcast with dense haze.
	14	0	29·210	21·4	18·6	W.	2·0	Densely clouded.
	15	0	29·211	20·0	17·8	N. W.	2·0	Densely clouded.
	16	0	29·219	19·2	17·1	S. W.	2·0	Densely clouded.
	17	0	29·237	18·2	18·0	S. W.	2·0	Densely overcast.
	18	0	29·232	16·8	14·9	S. W.	2·0	Densely overcast.
	19	0	29·246	16·0	13·8	W.	2·0	Densely overcast.
	20	0	29·277	15·2	13·0	W.	2·0	Densely overcast.
	21	0	29·277	13·8	12·8	W.	2·0	Densely overcast.

MAGNETICAL OBSERVATIONS. March 22nd and 23rd.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
131·0	125·5	130·5	132·7	133·5	134·0	135·0	132·6	130·0	125·2	121·0	122·7	122·5
129·5	127·8	130·9	132·1	133·8	134·2	135·0	133·3	128·9	123·2	124·0	122·3	122·4
127·3	126·9	130·9	132·6	134·4	134·9	133·5	133·4	127·6	123·3	122·0	122·8	122·5
129·2	129·8	131·0	132·6	134·4	135·0	133·8	132·1	127·0	122·3	122·2	122·3	122·5
129·0	130·5	131·1	132·2	135·0	134·6	133·2	131·2	126·7	121·8	123·3	122·4	123·0
127·1	130·6	130·9	132·8	135·1	134·8	133·8	129·8	126·6	121·0	123·5	122·0	123·0
126·8	130·8	131·0	132·9	135·0	135·7	133·4	129·5	126·3	121·1	123·8	121·9	123·3
126·4	130·2	130·1	132·4	133·7	135·5	133·8	129·1	126·1	122·5	124·0	121·7	123·0
124·7	130·8	130·7	131·8	133·6	134·3	133·4	129·5	126·4	121·4	123·1	122·0	123·9
124·0	130·5	131·9	131·3	133·5	134·0	133·8	129·2	126·8	120·5	122·5	122·0	123·5
124·0	130·2	132·0	133·0	133·8	135·7	133·1	129·3	126·5	120·3	122·8	122·2	123·9
123·9	130·4	132·0	133·8	134·4	134·7	133·2	128·7	125·9	120·5	122·7	122·0	123·6

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

685·1	685·7	688·4	688·1	689·2	684·6	684·3	680·4	673·3	669·8	669·3	684·6	685·7
685·9	683·7	688·5	688·0	689·3	685·0	683·6	680·9	672·3	668·7	676·0	683·0	686·1
679·6	687·5	688·1	687·8	690·4	685·0	684·8	681·3	671·8	667·0	670·5	682·7	687·5
679·6	687·2	687·6	688·3	689·9	685·0	685·0	681·0	671·5	668·7	670·8	683·1	688·0
680·4	688·8	689·0	687·9	689·2	688·7	684·0	678·6	672·8	666·9	672·7	685·6	690·0
680·2	686·6	688·5	687·4	688·8	685·6	683·7	678·0	674·0	668·5	677·6	686·2	688·8
681·7	686·5	689·8	688·9	687·1	683·1	683·5	676·6	676·6	669·9	678·5	685·5	689·0
682·6	687·0	689·7	688·1	687·0	685·0	682·3	677·1	675·4	668·8	684·7	683·7	689·0
682·6	687·6	691·0	688·6	687·2	684·7	681·9	680·6	675·6	668·5	680·7	682·8	688·9
682·6	688·0	690·6	688·3	687·1	682·3	681·6	676·8	672·3	668·2	681·5	684·1	689·2
684·4	688·3	691·6	688·7	685·5	683·2	681·3	676·0	670·6	671·2	682·5	684·8	688·3
684·6	688·1	691·5	689·9	684·4	683·1	681·3	673·5	672·1	667·3	684·1	685·4	689·8
°	°	°	°	°	°	°	°	°	°	°	°	°
41·2	40·4	39·5	39·1	38·1	37·8	37·8	38·0	38·0	38·2	38·2	38·5	38·7[a]

Vertical Force Change in the Magnetic moment of the Bar for 1° Fah^{t}.—·00007.

76·3	77·3	78·0	70·2	81·4	81·6	82·3	80·7	79·7	79·8	80·8	82·5	81·1
76·3	76·8	78·0	78·9	81·4	81·4	81·7	80·7	79·7	79·8	81·8	81·8	81·1
75·8	76·7	78·2	78·8	81·4	81·4	82·8	80·5	79·7	80·3	81·8	81·8	81·1
75·6	77·3	78·0	78·8	81·4	81·9	81·6	80·2	79·7	80·3	82·0	81·8	81·1
75·6	77·3	78·1	78·7	81·0	81·9	81·6	80·2	79·7	80·3	81·8	82·4	81·1
75·8	77·2	77·9	80·9	81·0	81·9	82·0	80·2	80·1	80·9	82·4	82·4	81·1
76·0	77·4	78·3	81·1	81·0	81·9	81·9	80·2	80·2	80·7	82·2	81·7	81·2
76·2	77·4	78·3	81·1	81·6	81·9	81·8	79·9	80·2	80·7	83·0	81·4	81·2
76·7	77·6	79·3	81·8	81·6	81·6	81·8	79·9	80·2	81·0	82·1	81·4	81·2
77·3	77·7	79·4	81·8	81·1	81·6	81·8	79·9	80·2	81·0	82·1	81·4	81·2
77·3	78·0	79·4	80·2	81·1	81·7	81·7	79·9	79·8	80·7	82·1	81·1	81·2
77·3	78·1	79·2	80·2	81·6	82·3	80·7	79·9	79·8	80·8	82·5	81·1	81·2
°	°	°	°	°	°	°	°	°	°	°	°	°
41·6	41·4	40·4	40·2	40·0	39·7	39·4	39·7	39·7	39·5	39·5	39·7	39·9[a]

[a] At 23h 10h Thermometer of H. F. 39°·6; of V. F. 40°·1.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Weather.
		Dry.	Wet.	Direction.	Force.	
D. H. M.	In.	°	°		lbs.	
22 22 0	29·286	12·4	12·1	N. N. W.	2·0	Light haze in zenith; densely clouded round horizon.
23 0	29·283	11·0	9·5	N. N. W.	2·0	Overcast with cir.-strat. and haze.
23 0 0	29·293	10·2	8·8	N. N. W.	2·0	Clouded; cir.-cum., cir.-strat. and haze.
1 0	29·303	10·4	9·0	N. N. W.	2·0	Clouded; cir.-cum., cir.-strat. and haze.
2 0	29·298	11·0	9·7	N. W.	2·0	Clouded with cir.-strat. and haze.
3 0	29·296	11·4	10·4	N. W.	2·0	Densely overcast with haze. [slight snow.
4 0	29·278	13·4	12·4	N. W.	3·0	Densely overcast with haze; sun breaking through occasionally;
5 0	29·258	14·8	13·4	N. W.	10·0	Densely overcast; slight snow. [much.
6 0	29·264	15·7	13·8	N. N. W.	5·0	Densely overcast with cir. haze; snowing slightly; snow drifting very
7 0	29·246	15·4	14·2	N. N. W.	5·0	Densely overcast with cir. haze; snowing slightly; snow drifting
8 0	29·264	16·0	15·3	W.	2·0	Constant snow. [much.
9 0	29·277	16·3	16·6	W.	5·0	Constant snow.
10 0	29·291	14·8	13·6	N. W. b. W.	7·0	Densely overcast; a few particles of snow falling.

April 19th and 20th. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0′·721. DECLINATION.										
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	124·6	125·0	125·8	126·5	125·7	125·8	131·8	128·4	128·1	129·3	128·0
5	0	124·5	125·3	125·7	126·2	125·6	126·1	131·7	130·0	129·0	129·8	128·2
10	0	124·2	125·4	126·0	126·1	125·9	126·2	131·6	131·1	129·2	129·0	128·4
15	0	124·5	125·3	125·9	126·1	125·7	126·1	131·1	131·3	130·7	128·8	128·5
20	0	124·5	125·2	126·1	125·8	125·8	126·5	131·0	131·2	130·6	128·5	128·5
25	0	124·7	125·3	125·9	125·7	126·7	126·2	129·7	130·1	130 6	128·7	128·5
30	0	124·7	125·3	126·0	126·0	126·0	126·1	128·6	130·0	129·1	128·6	128·4
35	0	124·8	125·6	126·0	126·0	126·0	126·2	127·9	130·0	128·5	128·2	128·6
40	0	124·9	125·6	126·1	126·0	126·0	126·4	127·0	130 9	128·5	128·0	128·5
45	0	124·9	125·7	126·2	125·7	125·9	126·2	126·5	130·8	128·5	127·5	128·5
50	0	125·0	125·7	126·5	125·9	125·7	126·8	126·4	128·7	129·1	127·5	128·5
55	0	125·0	125·9	126·6	125·8	125·9	131·1	127·0	127·2	129·5	127·5	128·4

		One Scale Division = ·000099 parts of the H. F. HORIZONTAL FORCE.										
M.	S.											
2	0	747·3	746·0	745·6	744·6	744·2	742·6	744·6	744·3	746·2	740·8	740·6
7	0	747·3	746·0	745·3	744 6	744·1	743·1	743·4	743·0	742·9	740·1	740·9
12	0	746 6	745·5	745·0	744·3	744·4	743·8	743·1	741·1	740·5	738·5	740·4
17	0	746·8	744·3	744·8	743·4	744·4	744 4	741·4	740·6	737·7	737·7	740·4
22	0	747·3	744·8	745·0	744·1	744·6	744·2	740·0	739·8	735·7	737·5	740·4
27	0	746·2	745·1	744·6	743·9	744·7	743·1	739·1	739·1	734·8	737·8	740·5
32	0	747·1	745·0	744·1	744·2	745·1	743·1	738·8	738·5	734·4	738·0	740·9
37	0	747·1	744·9	744·2	744·2	744·8	743·5	738·2	740·4	737·8	738·8	740·2
42	0	747 0	744·7	744·4	744·4	744·1	743·3	739 7	745·7	739·5	739·6	740·4
47	0	747·9	744·9	745·0	743·9	744·5	743·2	744·1	749·6	739·8	739·9	741·0
52	0	748·2	745·5	744·3	744·3	744·5	743·0	745 7	749·1	741·5	740·3	739·6
57	0	747·4	744·6	744·4	744·3	744·2	746·3	745·9	745·9	741·9	740·4	738·6
Thermometer		° 51·6	° 51·5	° 51·6	° 51·8	° 52·2	° 52·6	° 53·1	° 53·9	° 54·3	° 54·5	° 54·2

		One Scale Division = ·000094 parts of the V. F. VERTICAL FORCE.										
M.	S.											
3	0	65·4	65·6	65 1	64·4	63·3	62·3	60·5	60·1	55·8	57·4	58·8
8	0	65·4	65·4	65·1	64·2	63·1	62·3	60·7	59·1	55·6	57·4	58·8
13	0	65·4	65·3	65·1	64·0	63·1	62·3	60·8	59·0	55·6	57·7	59·0
18	0	65·4	65·2	65·1	64·0	63·0	62·3	60·8	59·0	56·0	57·7	58·6
23	0	65·4	65·1	65·1	64 0	62·9	62·3	60·8	59·0	56·5	58·1	58·8
28	0	65·4	65·0	65·1	64·0	62·9	62·3	61·0	59·3	56·9	58·1	58·8
33	0	65·4	65·0	65·1	63·5	62·9	62·2	61·1	59·6	57·7	58·5	58·8
38	0	65·4	65·0	64·8	63·5	62 8	62·2	61·3	59·5	58·0	58·5	58·6
43	0	65·4	65·0	64·8	63·5	62·8	62·2	61·3	59·3	57·7	58·5	58·6
48	0	65·4	65·0	64·8	63·4	62·8	62·2	61·7	57·6	57·7	58·7	58·6
53	0	65·4	65·0	64·6	63·3	62·6	62·2	61·2	56·6	57·7	58·7	58·6
58	0	65·4	65·1	64·6	63·3	62·6	61·0	60·6	56·4	57·4	58·8	58·6
Thermometer		° 50·9	° 51·1	° 50·8	° 51·2	° 51·7	° 52·3	° 53·1	° 53·4	° 54·3	° 53·8	° 54·0

Increasing numbers denote decreasing Westerly Declination, and increasing

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°		lbs.	
19	10	0	29·812	41·8	39·2	E. N. E.	0·5	Overcast with cir.-strat. and haze.
	11	0	29·813	41·0	38·6	E. N. E.	0·5	Densely overcast with cir.-strat. and haze.
	12	0	29·813	40·2	38 0	E. N. E.	0·5	Densely overcast with cir.-cum., cir.-strat., and haze.
	13	0	29·810	39·9	37·9	E. N. E.	0·2	Densely overcast with cir.-cum., cir.-strat., and haze.
	14	0	29·816	39·9	37·9	—	0·0	Densely overcast; very dark.
	15	0	29·803	40·2	38·2	—	0·0	Densely overcast.
	16	0	29·800	40·4	38·3	—	0·0	Densely overcast; very dark.
	17	0	29·796	39·5	38 0	—	0·0	Densely overcast; dark.
	18	0	29·793	38·2	37·2	—	0·0	Partially clear to N. and to zenith; remainder thickly clouded.
	19	0	29·790	36·8	36·0	—	0·0	Partially clear to N. and W.; remainder densely clouded with
	20	0	29·794	38·5	37·2	—	0·0	Densely overcast with haze. [cir.-cum.
	21	0	29·804	39·4	37·5	—	0·0	Densely overcast with cir-cum. and haze.

MAGNETICAL OBSERVATIONS. April 19th and 20th.

DECLINATION. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
128·2	128·1	129·1	131·1	133·4	132·6	129·9	126·9	124·0	123·7	124·4	123·6	123·2
128·0	128·8	129·0	131·3	133·3	132·1	129·6	126·5	124·0	123·4	124·0	124·2	123·2
128 3	129·1	129·0	131·9	134·4	132·3	129·8	125·9	124·0	123·7	123·9	123·6	123·2
127·5	128·9	129·6	131·9	133·7	132·5	129·4	125·0	124·0	123·8	123·9	124·1	123·5
127·6	128·2	130·0	132·5	132·9	132·1	129·0	125·5	123·7	123·8	123·9	124·1	123·9
127·6	128·1	130·1	132·8	133·5	131·5	128·3	124·5	123·8	123·8	123·8	124·0	124·0
127·5	128·0	130·0	134·6	133·0	130·6	127·9	124·5	123·3	124·0	123·7	123·7	124·0
127·8	128·8	130·0	133·8	133·1	130·7	128·0	124·6	123·9	124·0	123·8	123·6	124·0
127·1	128·8	130·1	134·1	133·3	130·5	126·9	124·2	123·5	124·0	123·9	123·3	124·0
127·8	129·2	130·6	134 0	133·4	130·9	127·9	124·1	123·5	124·0	123·7	123·2	124·0
127·9	129·2	130·7	134·2	132·6	130·2	126·9	124·0	123·4	124·0	123·8	123·1	124·0
128·0	129·3	130·9	134·2	132·2	130·0	127·0	124·1	123·2	124·0	123·8	123·0	124·2

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

739·8	741·1	740·6	739·7	737·4	734·6	730·2	729·7	732·0	735·0	738·1	740·3	742·0
739·1	741·0	740·1	739·1	736·0	733·4	731·0	730·0	732·0	735·0	738·9	741·1	742·0
739·9	741·0	740·3	740·0	736·9	734·3	729·5	729·5	732·2	734·9	737·2	740·8	742·9
740·0	742·0	740·3	739·1	737·2	733·0	729·1	728·8	733 1	735·2	738·0	741·0	743·8
740·4	740·5	740·4	737·8	735·5	731·6	729·1	729·5	733·2	735·2	737·4	739·3	745·3
740·5	739·9	740·0	739·1	736·0	731·7	729·4	730·0	733·9	735·0	739·4	741·4	744·5
740·9	740·2	739·8	739·5	737·8	731·5	728·9	729·7	734·4	734·8	738·1	740·9	746·0
740·0	740·7	740·1	739·2	736·4	732·7	728·2	729·7	735·0	735·8	738·6	742·0	745·6
739·9	740·6	740·0	739·4	735·9	733·0	729·3	730·5	735·6	736·5	738·8	741·8	744·2
740·0	740 9	739·5	739·3	736·4	731·6	729·7	730·5	735·0	737·0	739·0	742·2	744·1
740·8	741·4	739·9	738·7	736·8	731·7	729·7	730·2	734·7	738·1	741·4	742·0	745·5
741·5	741·0	739·9	738·3	735·5	730·4	729·5	731·1	734·2	737·7	737·9	742·0	745·7
°	°	°	°	°	°	°	°	°	°	°	°	°
53·8	53·9	53·9	53·5	53·3	53·0	52·8	52·8	53·5	54·0	54·4	55·2	56·0[a]

VERTICAL FORCE Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

58·6	60·3	61·0	60·7	61·0	61·0	60·8	61·1	60·5	60·6	61·4	60·8	60·7
58·9	60·3	60·9	60·7	60·8	60·9	60·8	61·1	60·5	60·6	61·4	60·8	60·4
58·9	60·3	60·9	60·7	60·8	61·1	60·6	61·0	60·4	60·6	61·4	60·8	60·4
59·3	66·3	60·9	60·7	60·8	61·4	60·6	61·0	60·5	60·6	61·3	60·9	60·4
59·3	60·3	60·7	60·5	61·6	60·8	60·9	60·8	60·5	60·6	61·3	60·9	60·8
59·3	60·3	60·7	60·5	61·4	60·8	60·9	60·8	60·6	60·6	61·3	60·9	60·8
59·3	60·8	60·7	60·5	61·2	60·8	60·9	60·8	60·6	60·6	60·6	60·9	60·8
60·0	60·8	60·7	60·5	61·0	60·8	60·9	60·5	60·8	60·6	60·6	60·9	60·8
60·0	60·8	60·7	61·2	60·8	60·9	61·1	60·6	60·7	60·9	61·0	60·9	60·5
60·3	60·8	60·7	60·9	61·2	61·0	61·1	60·4	60·7	60·9	60·5	60·9	60·5
60·3	61·0	60·7	60·9	61·1	60·8	61·0	60·4	60·7	60·9	60·5	60·9	60·5
60·3	61·0	60·7	61·0	61·0	60·8	61·1	60·6	60·7	60·9	60·5	60·7	60·5
°	°	°	°	°	°	°	°	°	°	°	°	°
54·2	54·2	54·2	54·0	53·6	53·4	53·2	53·2	53·7	54·2	54·6	55·0	55·3[a]

Horizontal and Vertical Force.

[a] At 20^{d} 10^{h} Thermometer of H. F. 56°·8; of V. F. 55°·0.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Weather.
		Dry.	Wet.	Direction.	Force.	
D. H. M.	In.	°	°		lbs.	
19 22 0	29·824	39·4	37·8	—	0·0	Densely clouded.
23 0	29·834	39·0	37·6	—	0·0	·1 clear in E.; remainder densely clouded cir.-cum. and haze.
20 0 0	29·844	38·4	38·0	—	0·0	Densely clouded with cir.-strat. and haze.
1 0	29·862	40·2	38·6	—	0·0	Densely overcast with cir.-strat. and haze.
2 0	29·880	40·7	39·1	—	0·0	Densely overcast with cir.-strat. and haze.
3 0	29·893	41·8	39·8	—	0·0	Densely overcast with cir.-strat. and haze.
4 0	29·909	42·7	40·4	—	0·0	Densely overcast with cir.-cum., cir.-strat., and haze.
5 0	29·888	46·7	44·0	—	0·0	Partially overcast with cir.-strat. and cir.-cum.; fair.
6 0	29·870	46·6	44·4	S.	0·5	·5 clear; partially overcast with cir. and cir.-strat.; fair.
7 0	29·865	48·5	45·4	S.	0·5	·2 clear; remainder light flexuous cir.; fair.
8 0	29·858	46·8	45·0	S.	0·2	·8 clear; remainder light flexuous cir. in S.
9 0	29·864	51·2	47·8	S.	0·2	·5 clear; remainder light cir. in S. and S. W.
10 0	29·861	52·4	48·6	S.	0·2	·5 clear; light cir. in W; fair.

May 26th and 27th. **MAGNETICAL OBSERVATIONS.**

DECLINATION.

Mean Göttingen Time. Angular Value of one Scale Division = 0′·721.

M.	S.	10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	118·9	122·9	123·9	124·0	124·2	123·0	121·3	124·8	124·0	125·3	127·1	128·1
5	0	115·3	123·1	123·8	123·1	125·1	123·2	121·7	124·8	124·0	125·0	127·0	128·3
10	0	113·8	124·0	124·2	121·6	125·9	124·2	123·0	124·5	124·0	125·0	127·0	129·0
15	0	115·0	125·0	124·0	120·8	125·5	125·2	123·6	124·4	124·0	125·1	127·2	129·2
20	0	112·5	126·0	123·8	120·0	125·3	125·1	124·4	124·5	124·0	125·0	127·9	129·6
25	0	111·9	126·8	124·9	120·2	124·9	124·5	124·6	124·7	124·0	125·8	127·6	129·8
30	0	113·0	127·1	124·9	121·0	124·6	122·5	124·8	124·8	124·3	126·0	127·8	130·0
35	0	115·6	127·0	125·2	122·0	125·3	121·6	125·0	124·1	125·0	126·0	127·8	130·1
40	0	118·5	126·2	125·2	123·4	125·5	121·4	124·9	124·0	125·0	126·0	128·1	130·8
45	0	120·3	125·9	125·1	123·9	124·9	121·4	124·5	124·0	124·7	126·0	128·2	130·3
50	0	121·8	125·1	124·3	123·6	125·1	121·7	124·5	124·0	125·0	126·2	127·6	129·8
55	0	122·1	124·7	124·0	123·9	123·9	121·5	124·9	124·0	124·6	126·6	128·0	132·1

HORIZONTAL FORCE.

One Scale Division = ·000099 parts of the H. F.

M.	S.											
2	0	819·5	804·7	825·0	813·5	811·0	810·4	814·9	818·9	820·0	819·0	818·8	819·0
7	0	832·9	810·6	821·8	812·8	812·8	809·8	815·9	818·8	820·0	820·0	818·5	819·0
12	0	845·6	816·6	820·8	812·9	813·5	811·1	817·3	818·5	820·1	820·0	818·0	818·7
17	0	840·3	821·9	826·9	811·0	813·6	812·9	816·6	819·8	820·4	819·5	818·1	819·0
22	0	829·3	826·8	827·8	809·8	816·5	813·9	816·1	819·1	820·0	819·0	818·0	819·2
27	0	819·7	830·3	824·7	808·1	815·4	815·0	815·5	818·8	819·1	818·6	818·0	819·0
32	0	810·2	829·1	822·1	806·3	814·3	815·3	816·1	819·9	818·2	818·5	818·5	819·6
37	0	801·4	829·6	816·1	806·8	814·8	815·5	816·4	820·9	819·4	819·0	818·0	818·8
42	0	795·5	829·8	816·2	809·7	813·1	815·6	816·6	820·9	819·8	819·0	818·0	818·9
47	0	797·3	826·3	815·0	810·4	813·0	815·7	817·2	820·9	820·5	819·0	820·0	818·5
52	0	795·8	827·2	813·3	810·0	813·3	816·3	817·3	820·8	819·0	818·9	819·1	813·7
57	0	796·6	826·9	814·0	810·0	812·5	815·1	818·4	821·0	818·0	819·0	818·5	815·3
Thermometer		59°·8	59°·7	59°·3	59°·0	59°·2	59°·4	59°·5	59°·5	59°·7	59°·5	59°·4	59°·0

VERTICAL FORCE.

One Scale Division = ·000094 parts of the V. F.

M.	S.											
3	0	57·4	55·9	56·9	58·1	58·2	54·7	52·4	49·7	50·0	50·0	50·0	50·7
8	0	60·7	56·2	56·7	58·1	57·6	54·7	52·3	49·8	49·9	50·0	50·0	50·7
13	0	61·3	56·2	56·3	58·9	57·2	54·7	52·3	49·7	49·9	50·0	50·0	50·7
18	0	59·8	57·1	57·2	58·9	56·5	54·3	52·0	49·3	50·4	50·0	50·0	51·0
23	0	58·9	57·3	57·2	59·2	56·2	53·7	51·7	49·3	50·4	50·0	50·0	51·0
28	0	58·5	57·1	57·1	59·5	56·0	53·7	51·7	49·3	50·4	50·0	50·3	51·8
33	0	58·0	57·3	56·8	59·4	56·0	53·1	51·7	49·8	50·1	50·0	50·3	51·4
38	0	57·1	57·3	56·8	59·3	55·7	53·0	51·1	49·6	50·0	50·0	50·3	51·4
43	0	56·6	57·3	57·2	59·3	55·1	53·0	50·9	49·6	50·0	50·0	50·3	51·4
48	0	55·9	57·0	57·4	58·7	55·2	52·7	50,7	49·5	50·0	50·0	50·8	51·5
53	0	54·9	56·9	57·4	58·6	55·0	52·5	50·2	49·5	50·0	50·0	50·7	50·9
58	0	54·9	56·9	57·5	58·4	55·0	52·4	49·9	49·5	50·0	50·0	50·7	51·8
Thermometer		59°·4	59°·7	59°·5	59°·1	59°·5	60°·0	61°·0	61°·3	62°·0	62°·5	61°·5	60°·0

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°		lbs.	
26	10	0	29·324	54·1	53·1	E.	0·5	Overcast with cir. and base.
	11	0	29·332	53·9	53·1	E.	0·5	Densely overcast. [moderate thunder, passing over from W
	12	0	29·322	52·4	51·8	E.	0·5	Densely overcast; smart showers of rain, accompanied with
	13	0	29·278	54·2	52·5	E.	0·2	Densely overcast and light fog.
	14	0	29·279	52·5	51·9	E.	0·2	Thick fog. [the horizon, with distant thunder; air close.
	15	0	29·280	53·6	53·1	—	0·0	Densely overcast; incessant sheet lightning round the whole of
	16	0	29·278	53·9	53·4	—	0·0	Densely overcast; incessant sheet lightning round the whole of the horizon, with distant thunder; air close.
	17	0	29·280	54·4	54·2	—	0·0	Densely overcast; incessant sheet lightning round the whole of the horizon, with distant thunder; air close.
	18	0	29·288	52·0	51·6	—	0·0	Densely overcast; incessant sheet lightning round the entire hori-
	19	0	29·310	50·6	50·0	—	0·0	Densely clouded. [zon; distant thunder; air close; very dark.
	20	0	29·310	52·0	51·4	—	0·0	Densely clouded.
	21	0	29·320	53·1	52·4	—	0·0	Densely clouded.

MAGNETICAL OBSERVATIONS. May 26th and 27th.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
128·1	130·1	131·2	133·6	134·1	134·0	130·4	128·0	121·6	118·3	115·9	117·4	120·2
128·3	129·1	131·1	133·4	134·0	133·3	130·0	128·0	121·3	118·1	115·3	117·0	120·7
129·0	131·2	132·2	133·5	134·0	132·8	130·0	127·8	120·8	118·0	115·2	117·4	120·8
129·2	130·6	131·6	133·8	135·0	132·9	129·5	120·0	120·5	117·1	115·8	118·3	121·8
129·6	130·6	131·6	133·7	134·8	132·3	129·9	126·0	120·3	116·8	115·9	119·0	121·9
129·8	132·8	132·0	133·7	134·3	131·7	129·1	125·2	120·1	116·2	116·2	119·2	122·0
130·0	133·7	132·4	134·0	134·9	131·9	127·4	124·1	118·9	116·1	116·4	119·7	122·3
130·1	131·2	132·7	132·9	134·0	132·0	127·0	123·6	117·2	115·9	116·5	119·7	122·7
130·8	130·2	132·7	134·0	133·2	132·2	126·9	122·6	118·5	116·1	116·4	119·4	123·1
130·3	130·1	133·1	134·0	133·8	132·0	126·5	122·7	119·6	116·0	116·8	119·8	123·2
129·8	131·3	133·1	134·4	133·9	131·9	125·9	122·1	119·5	116·0	116·8	119·8	123·3
132·1	130·3	133·0	134·3	134·1	130·9	128·0	121·9	119·1	116·1	117·3	119·8	123·9

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

819·0	817·8	810·8	809·9	808·9	807·9	803·3	804·3	807·9	815·4	819·0	825·2	823·6
819·0	816·1	808·7	809·8	808·4	808·2	804·0	804·1	808·5	816·0	818·2	827·3	823·5
818·7	818·0	811·2	809·7	809·1	807·2	803·7	804·0	809·1	816·2	819·0	829·7	824·5
819·0	816·8	812·1	809·5	808·9	807·1	803·4	803·9	809·6	816·0	820·1	825·0	822·7
819·2	813·9	812·2	809·1	808·5	807·5	803·5	802·3	809·9	815·0	822·0	822·1	822·0
819·0	809·2	811·6	809·2	808·6	807·5	803·1	803·3	810·2	815·0	822·0	820·7	822·5
819·6	811·1	811·8	809·0	807·9	807·2	804·9	803·5	811·2	815·0	822·2	820·8	823·2
818·8	812·0	811·1	808·0	808·5	806·2	803·6	804·4	812·4	816·4	822·8	820·5	821·4
818·9	811·8	810·6	808·8	807·6	805·8	803·7	804·2	814·4	818·0	823·2	820·2	818·7
818·5	812·0	810·0	808·8	808·1	805·1	804·0	805·1	816·1	819·0	823·0	820·0	818·5
813·7	812·0	810·1	808·6	808·2	803·0	803·9	806·6	816·1	820·5	823·7	819·3	819·1
815·3	811·0	810·0	808·7	808·0	803·1	802·8	807·9	815·6	820·0	823·7	819·5	819·9
°	°	°	°	°	°	°	°	°	°	°	°	°
59·0	59·2	59·2	58·6	58·4	58·3	58·3	58·5	58·8	59·8	59·5	59·6	59·6*

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

50·7	51·8	52·3	53·0	53·1	52·8	52·8	52·1	51·7	51·0	51·4	52·1	54·2
50·7	51·6	52·4	53·6	53·1	52·8	52·8	51·6	51·7	51·2	50·8	52·4	54·2
50·7	51·6	52·9	53·1	53·0	52·8	52·8	51·6	51·6	51·2	50·8	52·4	54·0
51·0	51·6	52·9	53·0	53·0	52·9	52·8	51·6	51·6	50·8	50·8	51·9	53·9
51·0	51·6	52·9	53·0	52·9	52·9	52·8	51·5	51·2	50·8	51·8	51·9	53·5
51·8	51·3	52·9	53·0	52·9	52·9	52·8	51·9	51·2	50·8	51·3	51·9	53·5
51·4	51·7	53·9	53·1	52·9	52·9	52·8	51·9	51·2	50·8	51·3	52·2	53·5
51·4	51·8	52·8	53·2	52·9	52·0	52·3	51·5	51·2	50·8	51·9	52·2	53·4
51·4	51·8	53·2	53·2	53·0	52·7	52·4	51·5	51·2	51·0	51·8	52·4	53·3
51·5	51·8	53·1	53·2	53·0	52·8	52·4	51·5	51·2	51·0	51·8	52·9	53·3
50·9	51·8	53·1	53·2	52·9	52·8	52·1	51·5	51·0	51·4	51·6	52·9	53·3
51·8	51·8	53·1	53·1	52·8	52·8	52·1	51·5	51·0	51·4	52·1	52·9	53·6
°	°	°	°	°	°	°	°	°	°	°	°	°
60·0	59·7	59·3	59·2	59·0	59·0	58·9	59·0	59·0	59·1	59·5	59·6	59·6*

* At 27^{d} 10^{h} Thermometer of H. F. 59°·4; of V. F. 59°·5.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°		lbs.	
26	22	0	29·336	51·2	50·2	—	0·0	Densely clouded; cir.-cum. and cum.-strat.
	23	0	29·372	54·5	52·4	S. W.	1·0	Densely clouded; cir.-cum., cum.-strat. and haze.
27	0	0	29·397	53·8	49·8	S. W.	1·0	Densely clouded; cum.-strat. and haze.
	1	0	29·428	53·1	49·7	S. W.	0·5	Densely clouded; cum.-strat. and haze.
	2	0	29·439	53·5	49·4	S. W.	1·0	Densely clouded; cum.-strat., cir.-cum. and haze.
	3	0	29·447	55·5	50·8	W. S. W.	0·5	Densely clouded; cum.-strat., cir.-cum. and haze.
	4	0	29·438	56·7	51·1	W. S. W.	1·0	Densely clouded; cum.-strat. and haze.
	5	0	29·445	56·4	50·5	W. S. W.	0·5	Densely clouded; cum.-strat. and haze.
	6	0	29·456	56·8	50·5	W. S. W.	1·0	Clouded; cir.-cum., cum.-strat. and haze.
	7	0	29·480	56·4	50·8	S. W.	1·0	Clouded; cir.-cum., cum.-strat. and haze.
	8	0	29·502	55·1	50·1	W. S. W.	1·0	Densely clouded; cum.-strat. and haze.
	9	0	29·522	55·7	49·9	W. S. W.	1·0	Densely clouded; cum.-strat. and haze.
	10	0	29·526	55·5	49·5	W.	1·0	Densely clouded; cum.-strat. and haze.

June 21st and 22nd. **MAGNETICAL OBSERVATIONS.**

DECLINATION.

Mean Göttingen Time. Angular Value of one Scale Division = 0′·721.

M.	S.	10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	118·9	120·9	123·2	122·4	122·8	127·0	126·0	125·2	126·0	125·5	125·0
5	0	118·9	121·3	122·9	122·4	122·8	126·0	126·0	125·1	126·7	126·4	124·8
10	0	119·2	121·8	122·8	122·2	122·7	125·6	125·1	125·4	126·1	126·6	124·5
15	0	119·9	121·8	122·8	122·9	123·0	125·2	124·0	125·8	126·4	126·3	125·1
20	0	120·0	122·0	122·8	122·9	124·7	125·3	124·2	126·0	126·3	126·0	125·2
25	0	120·0	121·8	122·6	123·0	125·7	126·0	124·8	126·2	126·4	126·1	125·7
30	0	120·3	122·0	122·8	122·6	125·8	126·3	125·5	126·0	126·5	125·5	125·8
35	0	120·5	122·2	122·7	122·6	126·0	126·7	125·8	125·9	126·4	125·4	126·2
40	0	120·7	122·5	122·8	123·0	126·1	126·2	125·5	125·9	126·7	125·4	126·4
45	0	120·9	122·8	122·4	122·9	127·0	126·2	125·2	126·0	126·8	125·3	126·0
50	0	121·2	123·0	122·8	123·3	127·6	126·2	125·2	126·1	125·9	125·2	126·2
55	0	120·8	123·2	122·8	123·0	127·4	125·9	125·5	126·7	125·6	125·0	126·0

HORIZONTAL FORCE.

One Scale Division = ·000099 parts of the H. F.

M.	S.										
2	0	842·8	835·4	840·9	838·5	839·4	840·2	841·5	838·7	839·9	839·8	840·9
7	0	843·3	839·8	841·7	837·4	839·6	839·9	841·3	837·9	840·0	839·8	841·5
12	0	844·4	840·6	839·9	837·5	839·2	839·3	841·1	838·5	839·7	839·3	841·2
17	0	842·8	840·6	840·1	837·8	838·6	839·0	841·0	838·7	839·9	839·8	841·2
22	0	842·0	838·2	839·7	838·0	839·9	838·8	840·1	839·3	839·7	840·1	841·6
27	0	841·3	837·1	839·1	839·5	841·0	840·3	840·0	840·0	839·8	840·2	841·2
32	0	841·2	839·0	838·3	839·7	841·4	841·1	840·0	838·8	839·7	839·5	841·0
37	0	840·8	839·0	839·6	839·7	844·3	842·4	840·0	838·2	839·5	838·7	840·2
42	0	841·6	841·6	838·8	839·7	841·8	842·6	839·4	838·5	840·1	839·0	840·0
47	0	841·0	842·2	838·8	838·5	840·2	841·9	838·8	839·2	840·3	839·0	840·0
52	0	839·8	842·0	839·5	839·2	839·7	841·2	839·0	838·7	840·0	839·4	840·0
57	0	836·0	841·2	839·1	839·5	840·5	841·0	838·6	839·1	840·0	839·9	839·8
Thermometer		74°·5	74°·8	74°·8	74°·6	73°·8	73°·5	73°·1	72°·6	72°·4	72°·4	72°·0

VERTICAL FORCE.

One Scale Division = ·000094 parts of the V. F.

M.	S.										
3	0	31·0	29·5	30·8	30·5	30·6	29·2	29·7	30·7	29·4	28·9	29·9
8	0	30·9	30·1	30·6	30·8	30·6	29·2	29·8	30·7	29·4	28·7	29·9
13	0	31·0	30·3	30·4	30·8	30·2	29·2	30·1	30·4	29·4	28·7	29·9
18	0	30·7	30·3	30·4	30·8	30·1	29·4	30·3	30·2	29·4	28·7	29·9
23	0	29·9	30·2	30·5	30·7	30·1	29·4	30·3	30·2	29·5	28·7	29·6
28	0	30·8	30·6	30·4	29·8	30·1	29·7	30·3	30·2	29·5	28·7	29·6
33	0	30·1	29·5	30·6	30·8	30·0	29·7	30·3	29·8	29·5	29·4	28·8
38	0	29·8	30·3	30·9	30·9	29·7	29·5	30·3	29·8	29·5	29·4	28·8
43	0	30·0	30·6	30·6	30·9	29·1	29·5	30·6	29·6	29·5	29·9	28·6
48	0	30·0	30·7	30·4	30·9	29·1	29·5	30·6	29·7	29·5	29·9	28·8
53	0	29·9	30·7	30·7	30·8	29·2	29·5	30·6	29·7	28·9	30·2	28·6
58	0	29·2	30·4	30·4	30·8	29·2	29·5	30·6	29·7	28·9	30·3	28·6
Thermometer		72°·7	73°·1	73°·2	73°·2	73°·3	73°·5	73°·0	72°·7	73°·2	73°·2	72°·5

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°		lbs.	
21	10	0	29·712	75·9	72·2	S.	0·5	Light clr.-strat. and haze round horison; zenith clear; fair.
	11	0	29·696	77·7	69·7	S.	0·5	Unclouded, but hazy; fair.
	12	0	29·696	79·2	69·5	S.	0·5	Unclouded; hazy round horizon; fair.
	13	0	29·694	75·8	66·7	S.	0·5	Haze and light strat. round horizon; zenith clear; fair.
	14	0	29·683	70·2	63·8	S.	0·2	Haze round horizon; remainder clear.
	15	0	29·676	69·4	64·1	—	0·0	Haze round horizon; remainder clear.
	16	0	29·671	66·9	62·9	—	0·0	Clear and unclouded.
	17	0	29·669	64·7	62·4	—	0·0	Clear and unclouded.
	18	0	29·658	70·7	64·2	S.	0·5	Clear and unclouded.
	19	0	29·663	61·2	59·5	S.	0·2	Clear and unclouded.
	20	0	29·665	59·4	58·0	—	0·0	Clear and unclouded.
	21	0	29·670	58·4	67·4	—	0·0	Clear and unclouded.

MAGNETICAL OBSERVATIONS. June 21st and 22nd.

DECLINATION. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
126·5	127·2	129·6	130·0	130·8	131·1	130·0	127·6	124·2	121·0	118·3	117·5	118·1
126·7	127·7	129·7	130·0	130·9	131·0	129·8	126·9	123·8	120·8	118·4	117·5	118·2
126·5	127·8	129·2	130·0	130·9	130·8	129·3	126·2	123·9	120·5	118·2	117·5	118·5
126·8	127·9	129·2	130·0	131·0	130·1	129·2	126·2	123·2	120·4	118·2	117·8	118·6
127·0	128·0	130·0	130·2	131·3	130·3	129·2	125·9	123·1	120·4	118·0	117·8	118·6
127·0	128·0	129·5	130·2	131·6	130·8	129·2	125·8	123·0	120·2	117·8	117·8	119·0
127·0	128·0	129·8	130·5	131·8	131·1	128·8	125·8	122·7	120·2	117·8	118·0	119·0
127·0	128·1	129·5	130·7	136·6	131·1	128·8	125·2	122·2	119·8	117·5	118·0	119·0
127·2	128·9	129·8	130·7	131·1	131·0	128·5	125·1	121·9	119·5	117·5	118·0	119·1
127·3	128·8	130·0	130·7	131·0	130·4	128·6	125·1	121·5	119·4	117·5	118·0	119·1
127·6	129·1	130·0	130·9	131·4	130·2	128·6	124·7	121·2	119·0	117·4	118·0	119·2
127·5	129·8	129·8	130·9	131·5	130·0	127·9	124·8	121·1	118·8	117·4	118·0	119·6

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah. = ·00027.

839·2	842·0	843·0	841·0	843·3	840·9	835·8	835·1	834·9	839·0	843·1	846·2	846·0
839·5	843·0	843·0	843·7	843·2	840·5	835·6	833·0	835·1	839·1	843·3	846·4	845·9
839·3	843·0	844·0	843·7	842·8	840·3	835·9	833·0	835·0	839·3	843·9	847·8	845·0
839·6	843·0	843·1	843·3	842·8	839·9	835·0	833·2	835·2	839·2	844·4	847·1	844·8
840·0	843·0	843·5	843·6	842·3	839·5	834·7	833·2	836·0	840·0	844·4	847·3	845·0
840·0	843·0	844·0	843·7	842·1	839·3	834·7	833·8	836·7	840·0	844·8	847·0	845·6
840·0	843·8	844·0	844·0	842·3	838·7	834·5	833·9	836·5	840·9	845·0	848·0	845·1
840·0	844·0	844·0	844·0	841·9	837 9	834·4	833·6	837·0	841·8	845·1	848·0	845·0
841·0	844·0	844·0	844·0	841·5	837·4	834·3	833·8	837·6	842·3	845·3	848·0	845·0
841·0	843·1	844·0	843·4	841·3	837·1	834·8	834·0	838·0	842·4	845·7	847·5	845·0
841·7	843·0	844·0	843·6	840·9	836·9	835·1	833·9	838·5	842·4	846·0	847·0	844·6
842 0	843·0	844·0	843·3	841·0	836·1	834·8	834·0	838·8	843·1	846·7	847·0	844·1
°	°	°	°	°	°	°	°	°	°	°	°	°
71·5	70·5	69·5	69 8	70·7	72·0	72·3	72·8	73·5	74·0	74·5	75·0	76·5

VERTICAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah. = ·00007.

29·2	32·1	35·3	34·9	33·5	32·9	31·6	30·3	29·3	28·8	29·2	27·8	27·6
29·5	32·1	35·3	34·9	33·5	32·9	31·4	30·3	29·3	28·5	29·2	27·6	27·6
29·5	32·5	35·6	34·9	33·3	32·8	31·2	30·3	29·3	28·5	28·9	27·6	27·6
29·5	32·5	35·6	34·9	33·3	32·8	31·2	30·3	29·3	28·5	28·8	27·6	27·7
29·5	33·2	35·6	34·9	33·3	32·8	30·9	30·2	29·2	28·7	28·8	27·6	27·8
30·3	33·2	35·6	34·4	33·3	32·4	30·9	30·1	29·2	28·7	28·6	27·6	27·7
30·7	34·1	35·6	34·4	33·3	32·4	30·8	29·9	29·2	29·1	28 3	27·6	27·7
30·7	34·1	35·6	34·4	33·3	32·3	30·6	29·7	29·2	29·1	28·1	27·6	27·7
31·3	34·6	35·6	34·1	33·0	32·2	30·6	29·5	29·1	29·0	28·1	27·6	27·7
31·5	34·6	35·6	34·1	33·0	32·1	30·6	29·5	28·8	29·0	28·0	27·6	27·7
31·5	35·0	35·6	33·6	33·0	31·8	30·3	29·5	28·8	29·0	28·2	27·6	27·7
31·5	35·3	35·9	33·6	33·0	31·6	30·3	29·3	28·8	29·2	28·2	27·6	27·7
°	°	°	°	°	°	°	°	°	°	°	°	°
72·9	72·7	70·0	69·9	70·3	71·1	71·4	71·8	72·5	72·8	73·3	74·3	71·8*

* At 22h 10m thermometer of H. F. 76°·6; of V. F. 75°·3.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	in.	°	°		lbs.	
21	22	0	29·669	56·6	55·6	—	0·0	Unclouded; hazy.
	23	0	29·677	54·6	55·9	—	0·0	Unclouded; hazy.
22	0	0	29·683	59·8	59·0	—	0·0	Unclouded; hazy.
	1	0	29·675	65·0	62·1	S.	0·2	Unclouded; hazy.
	2	0	29·666	67·6	64·5	S.	0·2	Unclouded; hazy.
	3	0	29·660	67·9	64·8	S.	0·3	Light cir. in S.; remainder hazy; fair.
	4	0	29·651	71·9	67·2	S.	0·5	Flexuous cir. scattered; hazy; fair.
	5	0	29·644	73·7	68·4	S.	0·5	Flexuous cum. along N. horizon; fair.
	6	0	29·631	73·7	68·4	S.	0·5	Flexuous cum. along N. horizon; fair.
	7	0	29·598	78·2	71·2	S.	0·5	Flexuous cum. along N. horizon; fair.
	8	0	29·592	78·5	71·5	S.	0·5	Cir. and cir.-cum. generally round horizon; fair.
	9	0	29·566	81·6	71·8	S.	0·5	Hazy; light cir. and dense haze round horizon.
	10	0	29·551	81·4	70·6	S.	0·5	Hazy; light cir. and haze on S. horizon.

July 19th and 20th. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0′·721. DECLINATION.										
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	121·0	123·7	125·8	125·9	125·1	125·5	126·5	127·5	125·6	125·0	125·0
5	0	120·8	124·0	125·6	125·9	125·0	125·6	127·1	127·1	125·5	125·0	125·5
10	0	121·0	125·0	125·7	125·8	125·1	125·9	127·8	127·9	125·1	125·0	125·8
15	0	121·3	125·3	126·2	125·5	125·3	126·0	128·4	128·0	124·7	125·0	126·0
20	0	121·8	125·6	126·1	125·4	125·9	126·2	128·8	128·2	125·1	125·2	126·0
25	0	122·1	125·5	126·2	125·4	125·9	126·2	129·2	127·5	125·1	125·0	126·1
30	0	122·7	126·0	125·8	125·6	125·7	126·2	129·4	127·3	125·0	125·1	126·0
35	0	122·8	126·0	125·7	125·6	125·5	125·7	128·1	128·0	125·2	125·0	125·8
40	0	122·9	126·0	125·5	125·4	125·3	126·4	128·8	127·3	125·4	124·1	126·0
45	0	123·0	126·0	125·5	125·6	125·8	126·9	128·4	126·5	125·1	123·5	125·5
50	0	123·0	126·1	125·5	125·1	125·7	127·2	127·5	125·9	125·0	123·8	125·0
55	0	123·3	126·1	125·3	125·0	125·6	126·3	127·6	126·0	125·0	124·0	124·6
		One Scale Division = ·000099 parts of the H. F. HORIZONTAL FORCE.										
M.	S.											
2	0	904·5	907·1	901·3	901·7	901·6	900·6	895·0	893·5	899·9	903·4	905·6
7	0	904·1	908·6	901·0	902·0	901·7	900·9	895·9	892·7	900·8	904·0	906·5
12	0	904·6	908·9	901·9	901·9	901·1	901·0	896·0	893·4	901·0	904·3	905·0
17	0	905·1	909·1	902·1	902·5	903·0	900·7	895·3	894·7	901·5	904·8	905·5
22	0	906·4	908·1	901·8	902·3	903·1	900·0	894·3	895·1	902·8	906·6	906·8
27	0	905·9	909·0	901·2	902·7	903·0	901·1	893·8	895·5	902·7	905·3	907·1
32	0	906·2	906·7	900·6	903·2	902·0	901·9	894·8	895·8	902·4	906·8	905·3
37	0	905·9	905·9	900·7	903·0	901·8	900·4	894·2	899·2	903·0	906·1	906·9
42	0	905·9	904·0	900·7	903·7	902·1	899·9	894·0	899·6	903·8	906·3	906·6
47	0	905·2	903·9	900·8	902·6	903·0	900·7	894·8	899·8	903·0	905·8	907·0
52	0	905·0	902·9	901·6	901·4	901·5	898·4	893·4	899·6	902·9	907·0	906·0
57	0	905·8	902·1	901·4	902·1	899·9	897·3	893·2	900·4	903·5	905·6	906·5
Thermometer		72°·3	72°·6	72°·6	72°·1	71°·3	70°·9	70°·2	69°·5	68°·6	68°·0	67°·5
		One Scale Division = ·000094 parts of the V. F. VERTICAL FORCE.										
M.	S.											
3	0	30·3	30·4	30·4	30·6	29·5	28·7	28·9	28·8	30·0	30·5	31·3
8	0	30·3	30·4	30·4	30·6	29·5	28·7	29·3	28·8	30·2	30 5	31·3
13	0	30·3	30·7	30·4	30·6	29·0	28·7	29·3	28·8	30·1	30·5	31·3
18	0	30·3	30·7	30·4	30·6	28·9	28·7	29·3	28·8	30·1	31·1	31·3
23	0	30·3	30·6	30·4	30·6	28·8	28·7	29·3	28 8	30·1	31·1	31·3
28	0	30·5	30·6	34·4	30·6	28·8	28·7	29·1	28·8	30·1	31·1	31·3
33	0	30·5	30·6	30·4	30·6	28·7	28·9	29·1	29·1	30·1	31·1	31·7
38	0	30·5	30·4	30·4	30·6	28·7	28·9	29·1	29·8	30·1	31·1	31·7
43	0	30·5	30·4	30·3	30·6	28·7	28·9	28·8	30·0	30·2	31·3	31·7
48	0	30·5	30·4	30·3	30·1	28·7	28·9	28·8	30·0	30·2	31·3	31·7
53	0	30·4	30·4	30·3	29·8	28·7	28·9	28·8	30 0	30·4	31·3	31·7
58	0	30·4	30·4	30·6	29·8	28·7	28·9	28 8	30·0	30·5	31·3	31·7
Thermometer		71°·2	71°·4	71°·3	71°·0	71°·0	71°·5	70°·9	70°·7	70°·1	69°·3	68°·7

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M	In.	°	°		lbs.	
19	10	0	29·603	69·8	55·6	N. by E.	1·0	Clear and unclouded.
	11	0	29·583	70·7	56·0	N. N. E.	0·5	Clear and unclouded.
	12	0	29·611	71·0	57·8	N. by E.	0·5	Clear and unclouded.
	13	0	29·625	65·8	55·1	N.	0·2	Clear and unclouded.
	14	0	29·638	59·4	51·0	N.	0·5	Clear and unclouded.
	15	0	29·650	56·2	48·8	N.	0·5	Clear and unclouded.
	16	0	29·659	54·8	48·0	N.	0·5	Clear and unclouded.
	17	0	29·662	53·6	47·6	N.	1·0	Clear and unclouded.
	18	0	29·675	52·8	47·8	N.	0·5	Clear and unclouded.
	19	0	29·668	51·8	47·8	—	0·0	Clear and unclouded.
	20	0	29·677	51·4	47·8	—	0·0	Clear and unclouded.
	21	0	29·679	50·4	47·0	—	0·0	Clear and unclouded.

MAGNETICAL OBSERVATIONS. July 19th and 20th.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
124·0	125·7	129·1	131·2	131·3	131·9	130·2	126·8	122·5	118·2	116·2	116·8	118·8
124·0	126·4	130·0	131·3	131·4	131·9	130·0	126·8	121·5	118·0	115·8	116·9	118·9
124·0	126·8	130·1	131·1	131·5	132·0	129·4	126·3	121·4	117·8	115·7	117·0	119·1
124·2	126·9	130·2	131·3	131·7	132·0	128·9	126·2	120·7	117·7	115·8	117·0	119·3
124·0	127·0	130·3	131·3	131·8	132·0	128·5	126·1	120·5	117·6	115·7	117·0	119·7
124·3	127·1	131·0	131·3	131·6	132·0	128·1	125·4	120·2	117·0	115·5	117·1	119·9
124·9	128·0	131·2	131·2	131·4	131·8	127·9	125·2	120·4	117·0	115·9	117·2	120·1
125·2	127·9	131·2	131·7	131·3	131·7	127·9	124·5	119·3	117·1	116·0	117·8	120·2
125·1	128·0	132·0	131·9	131·6	131·2	128·0	124·1	119·1	117·0	116·1	118·0	120·7
125·2	128·2	132·3	131·8	132·1	131·0	127·4	123·6	119·0	116·8	116·2	118·0	121·1
125·5	128·2	132·3	131·6	132·1	130·9	127·2	123·2	118·4	117·8	116·5	118·2	121·8
125·9	127·9	131·9	131·9	131·8	130·6	126·7	122·6	118·1	117·6	116·5	118·4	121·9

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00027

905·9	906·0	906·9	909·4	908·7	904·8	903·0	896·3	895·8	901·4	905·0	908·0	913·7
906·6	906·7	904·9	910·0	908·2	904·3	902·9	896·1	896·6	901·6	905·9	907·9	913·9
906·5	905·8	905·5	909·8	907·7	903·9	902·5	895·4	896·7	901·0	905·6	909·1	914·1
906·5	906·4	906·7	909·7	907·3	904·0	902·3	894·9	897·0	902·0	905·3	909·3	914·2
906·3	905·8	904·7	909·7	907·6	903·2	901·8	894·8	897·7	904·5	906·0	909·0	914·9
906·9	906·3	907·1	909·7	907·0	902·9	901·1	894·5	898·4	903·8	906 3	909·8	914 7
906·1	907·2	908·2	909·7	906·9	902·5	900·3	895·0	898·5	904·0	906·5	910·5	914·2
906·5	907·4	908·6	909·7	906·5	902·4	900·1	895 0	899 0	904·0	907·0	911·0	914·1
906·3	907·3	907·4	909·7	905·6	901·8	900·0	894·7	899·5	904·8	908·0	911·1	914·5
905·4	907·0	908 5	909·8	905·5	901·9	898·5	894·6	900·0	905·3	908·0	911·1	915·8
906·3	909·0	907·8	909·2	905·3	902·2	897·7	895·1	900·3	905·1	908·0	911·4	915·9
906·3	907·5	909·6	909·2	904·6	902·5	897·0	895·8	900 8	904·9	908·0	912·7	915·1
67°·0	66°·6	65°·6	66°·0	66°·5	67°·5	68°·1	68°·5	68°·8	69°·0	68°·8	69°·0	69°·3*

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

31·7	31·9	33·8	34·1	33·5	33·2	32·7	31·7	31·5	32·0	32·5	33·2	33·6
31·7	31·8	33·9	33·8	33·5	33·2	32·6	31·7	31·5	32·0	32·5	33·2	33·6
31·7	31·8	34·5	33·8	33·5	33·2	32·6	31·7	31·5	32·0	32·8	33·2	33·6
32·0	32·0	34·4	33·5	33·5	33·1	32·5	31·7	31·5	32·0	32·8	33·4	33·6
31·7	32·2	34·3	33·5	33·5	33·1	32·3	31·7	31·5	31·8	32·8	33·4	33·6
31·6	32·2	34·2	33·5	33·5	33·1	32·3	31·7	31·5	32·0	32·9	33·5	33·4
31·5	32·2	33·7	33·5	33·5	33·1	32·2	31·7	31·5	32·0	33·0	38·5	33·4
31·5	32·2	34·2	33·5	33·5	32·8	32·2	31·7	31·5	32·1	33·0	33·5	33·4
31·5	32·3	34·2	33·5	33·5	32·7	32·1	31·6	31·7	32·1	33·0	33·5	33·4
31·4	33·0	34·5	33·5	33·5	32·7	32·0	31·6	31·8	32·3	33·2	33·5	33·4
31·8	33 7	34·3	33·5	33·2	32·7	31·9	31·5	31·8	32·1	33·2	33·5	33·2
31·9	33·7	34·1	33·5	33·2	32·7	31·9	31·5	31·8	32·7	33·2	33 5	33·1
68°·2	67°·9	66°·5	66°·9	66°·8	67°·2	67°·4	67°·6	68°·0	68°·2	68°·3	68°·3	68°·5*

* At 20h 10m thermometer of H. F. 69°·8; of V. F. 68°·8

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M	In.	°	°		lbs.	
19	22	0	29·702	49·0	45·7	N. N. W.	0·2	Clear in zenith; hazy round horizon.
	23	0	29·723	45·9	44·2	N. N. W.	0·2	Clear and unclouded.
20	0	0	29·725	49·3	46·9	—	0·0	Clear and unclouded.
	1	0	29·735	51·7	49·2	N. by E.	0·2	Clear and unclouded.
	2	0	29·748	57·6	51·1	N.	0·2	Clear and unclouded.
	3	0	29·752	59·5	51·2	N.	0·2	Clear and unclouded.
	4	0	29 744	61·4	52·1	N.	0·2	Clear and unclouded.
	5	0	29 728	62·8	54·6	S. E.	0·5	Clear and unclouded.
	6	0	29·714	63·8	57·0	S. E.	1·0	Clear and unclouded.
	7	0	29·702	65·9	57·0	S.	2·0	Clear and unclouded.
	8	0	29·694	65·6	58·4	S.	1·0	Clear and unclouded.
	9	0	29·671	68·1	59·2	S.	1·0	Clear and unclouded.
	10	0	29·659	71·1	60·8	S.	0·5	Clear and unclouded.

August 25th and 26h. MAGNETICAL OBSERVATIONS.

Mean Göttingen Time.		Angular Value of one Scale Division = 0′·721. DECLINATION.									
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	122·2	124·7	125·2	123·9	124·0	130·2	135·0	122·0	123·4	118·7	117·4
5	0	122·1	124·3	125·1	123·7	123·8	134·0	136·0	121·6	122·2	119·7	119·6
10	0	122·6	124·1	124·3	123·3	123·8	135·0	135·1	122·0	122·0	122·1	121·1
15	0	122·8	125·0	124·1	123·1	123·3	135·6	132·6	122·2	121·0	123·0	121·7
20	0	122·9	124·9	123·7	123·9	123·1	135·0	129·6	122·0	121·3	123·8	122·6
25	0	122·9	124·7	124·6	124·0	123·1	134·8	126·9	122·9	121·4	123·0	123·9
30	0	123·1	124·7	124·3	124·0	123·7	135·0	126·8	123·0	122·0	120·2	123·8
35	0	123·2	124·8	124·1	124·0	123·5	135·0	127·6	123·0	123·6	118·0	124·3
40	0	123·6	124·5	124 0	124·0	123·4	134·3	129 0	123·6	126·2	116·8	124·7
45	0	124·0	124·6	124·0	123·8	124·5	134·7	129·0	124·0	127·0	116·2	124·5
50	0	124 6	124·5	123·8	124·1	126·6	134·5	126·6	124·0	125·9	117·0	125·1
55	0	124·3	124·9	123·9	124·0	129·5	134·0	123·5	124 6	121·1	117·3	123·2

		One Scale Division = ·000099 parts of the H. F. HORIZONTAL FORCE.									
M.	S.										
2	0	958·4	956·6	951·3	947·3	950·1	938·0	951·4	947·6	947·9	947·8	949·5
7	0	959·4	961·7	953·2	944·3	950·1	936·9	951·6	946·9	947·5	948·5	949·7
12	0	961·0	959·2	952·5	942·0	949·9	938·4	951·3	945·9	950·6	948·8	949·9
17	0	960·3	954·5	951·2	941·9	950·6	939·6	946·6	945·0	950·6	951·3	949·1
22	0	961·3	950 7	948·2	943·2	950·3	940·9	944·0	945·0	949·9	952·1	948·5
27	0	956·0	950·5	946·8	944·5	950·4	942·9	940·0	945·0	949·5	954·5	948·6
32	0	953·3	950·7	947·6	945·3	950·2	941·1	938·6	945·0	947·9	955·7	946·8
37	0	953·7	951·7	948·6	946·3	951·0	940·0	938·8	944·4	946·4	955·2	947·3
42	0	951·5	953·4	949 3	946·8	951·3	940·9	940·9	944·0	945·8	954·4	948·3
47	0	955·5	952·6	950·6	947·3	947·1	943·4	945·6	944·6	946 8	953·4	946·6
52	0	957·5	951·7	950·2	948·3	945·9	947·9	947·0	945·0	949·7	951·8	948·1
57	0	956·4	951·2	950·0	948·7	940·5	941·4	948·0	946·0	950·4	952·8	947·7
Thermometer		73°·4	73°·8	73°·8	73°·8	73°·0	72°·8	72°·5	72°·0	71°·5	71°·2	70°·6

		One Scale Division = ·000094 parts of the V. F. VERTICAL FORCE.									
M.	S.										
3	0	26·1	25·3	25·5	23·5	22·7	21·5	22·3	23·8	24·2	20·4	20·5
8	0	26·1	27·0	26·1	23·5	22·7	22·0	21·6	23·8	23·5	20·1	20·5
13	0	26·7	26·3	25·8	22·5	22·7	22·0	21·6	23·8	23·6	20·1	20·5
18	0	26·3	25·9	25·8	22·7	22·3	22·1	20·7	23·8	22·9	20·9	20·7
23	0	26·3	25·4	25·8	23·1	22·6	22·7	20·7	23·8	22·9	20·9	20·7
28	0	26·2	25·3	25·7	23·2	22·3	22·9	21·9	23·8	22·9	20·4	21·9
33	0	26·2	25·4	25·6	23·2	22·3	22·9	21·9	24·2	22·9	20·4	21·7
38	0	26·2	25·3	25·6	23·1	22·2	22·9	23·1	24·2	22·4	19·4	21·5
43	0	26·0	25·8	24·8	22·9	21·8	23·5	23·6	24·2	22·2	19·4	21·7
48	0	26·1	25·7	24·3	22·9	21·7	23 5	23·6	24·2	21·9	19·4	21·7
53	0	26·9	25·7	21·2	22·9	21·5	23·5	23·6	24·2	21·9	19·1	21·9
58	0	26·4	25·5	23·7	22·9	21·5	23·5	23·6	24·2	21·1	19·0	21·5
Thermometer		71°·9	72°·3	72°·3	73°·3	73°·7	73°·9	72°·7	72°·8	72°·5	72°·0	71°·3

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M	In.	°	°		lbs	
25	10	0	29·632	74·2	67·6	E. by S	0·5	Clouded; light cir., cir-cum. and haze.
	11	0	29·641	72·8	68·4	E. by S.	0·5	Overcast; cir. and haze.
	12	0	29·631	71·1	67·4	E. by S.	0·2	Overcast; light cir.-strat. and haze.
	13	0	29·631	67·8	65·8	—	0·0	Overcast; dense haze.
	14	0	29·636	64·0	62·7	—	0·0	Overcast; dense haze.
	15	0	29·639	62·2	61·0	—	0·0	Unclouded but hazy.
	16	0	29·625	60·8	59·6	—	0·0	Clear and unclouded.
	17	0	29·625	59·8	58·8	—	0·0	Clear and unclouded.
	18	0	29·625	58·4	57·8	—	0·0	Clear and unclouded.
	19	0	29·628	56·9	56·1	—	0·0	Clear and unclouded.
	20	0	29·630	56·6	56·2	—	0·0	Clear and unclouded.
	21	0	29·632	56·2	55·5	—	0·0	Zenith clear; hazy round horizon.

MAGNETICAL OBSERVATIONS. August 25th and 26th.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
126·2	127·0	127·3	129·1	133·5	133·8	130·9	124·0	118·9	112·8	112·4	115·0	118·8
126·2	126·2	128·1	129·0	134·7	134·3	130·8	124·0	118·1	112·7	112·7	115·5	119·0
127·0	127·1	129·5	129·2	134·5	133·3	130·0	123·6	117·5	112·5	113·1	115·9	120·0
127·5	125·6	129·7	129·3	134·4	133·8	130·0	123·0	117·0	112·2	113·2	116·2	120·8
126·8	126·2	129·1	130·6	136·1	133·2	129·4	122·1	116·7	112·2	113·4	116·5	121·0
126·0	125·1	128·2	131·0	135·8	132·6	129·0	122·0	115·9	111·9	113·6	117·0	121·5
127·9	124·9	128·3	132·5	135·0	132·2	127·6	121·5	115·8	112·0	113·8	117·0	121·9
127·4	125·0	127·9	132·7	135·3	132·1	127·0	121·0	115·6	112·0	114·1	117·2	122·1
127·8	125·4	126·7	132·6	134·7	132·1	126·1	120·6	115·2	112·0	114·3	118·0	122·5
128·0	125·6	127·3	134·1	134·4	130·6	126·6	120·0	114·3	112·2	114·8	118·0	122·8
128·3	126·0	127·0	134·0	134·5	129·7	125·0	119·3	114·0	112·6	114·8	118·2	122·9
126·1	126·3	128·2	134·8	134·5	129·8	125·0	119·0	113·2	112·2	115·0	118·4	123·0

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

946·7	946·1	949·1	946·0	945·8	939·6	932·3	928·4	933·0	942·9	953·9	959·2	954·0
947·4	945·5	948·1	946·0	947·6	938·5	931·5	928·8	934·1	944·0	955·0	959·3	951·0
947·6	945·6	947·7	946·9	943·7	937·1	931·3	930·0	934·5	945·3	955·4	959·4	951·5
948·6	943·7	949·0	948·1	943·9	935·9	930·6	930·0	935·1	946·9	955·9	961·6	956·9
946·4	946·4	948·2	947·2	944·0	936·4	929·9	930·0	935·6	948·1	955·9	961·3	959·2
945·2	946·2	947·1	948·6	943·7	935·5	928·4	930·0	936·8	948·8	956·4	960·9	959·0
946·0	947·9	946·2	948·4	943·4	936·0	929·6	930·0	938·0	950·1	956·1	961·3	958·8
946·2	949·1	943·0	948·9	942·2	936·0	928·9	930·3	938·9	950·3	956·8	961·3	957·0
944·3	949·0	943·3	947·1	941·4	935·3	928·2	930·9	940·0	951·3	957·6	960·9	957·5
943·5	949·1	944·6	947·4	941·5	934·1	928·7	930·8	941·0	951·9	958·5	958·3	958·5
944·8	949·9	943·3	947·6	939·7	934·8	927·8	932·0	940·9	952·2	958·6	956·0	956·2
941·0	948·2	944·5	947·4	940·0	931·9	928·0	932·5	941·6	952·7	959·3	954·8	955·6
°	°	°	°	°	°	°	°	°	°	°	°	°
70·3	70·0	69·5	69·2	69·0	69·2	70·0	70·6	72·0	73·4	74·6	75·6	76·4*

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

21·9	23·3	26·2	28·0	28·4	27·9	26·4	26·5	26·1	24·5	23·4	23·6	23·2
22·1	23·9	26·1	27·9	28·1	27·6	26·5	26·5	25·8	24·6	23·4	23·6	22·9
22·4	23·9	26·1	29·3	27·9	27·6	26·5	26·5	25·8	24·1	23·4	23·6	22·9
22·4	24·5	26·1	29·3	27·6	27·5	26·5	26·7	25·4	24·1	23·4	23·7	23·5
22·0	24·5	26·2	29·6	27·6	27·5	26·5	26·7	25·4	24·1	23·1	23·7	23·5
22·2	24·5	26·2	29·0	28·0	27·5	26·5	26·5	25·3	23·8	23·4	23·7	23·8
22·6	23·9	26·9	29·0	28·0	27·5	26·5	26·5	25·3	23·8	23·4	23·7	23·7
22·6	26·7	27·0	28·8	27·9	27·5	26·5	26·5	25·3	23·8	23·4	23·7	23·5
22·5	26·7	27·4	28·8	27·9	27·2	26·5	26·5	25·3	23·5	23·4	23·6	23·5
22·5	26·7	27·4	28·8	27·9	27·0	26·5	26·2	24·8	23·5	23·4	23·4	24·0
22·9	26·7	27·4	28·8	27·9	27·0	26·5	26·1	24·8	23·5	23·6	23·2	23·5
23·1	26·8	28·0	28·8	27·9	26·9	26·5	26·1	24·5	23·5	23·6	23·2	23·2
°	°	°	°	°	°	°	°	°	°	°	°	°
71·5	71·5	70·7	69·5	69·5	69·5	69·9	70·3	70·8	72·1	73·3	74·1	74·9*

* At 26d 10h Thermometer of H. F. 76°·6; of V. F. 75°·3.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°		lbs.	
25	22	0	29·625	56·4	54·8	—	0·0	Zenith clear; hazy round horizon. [rising from the ground.
	23	0	29·638	55·2	54·5	—	0·0	Cir. and light cir.-cum. in zenith; dense haze round horizon; a mist
26	0	0	29·651	5.·6	55·2	—	0·0	Bank of well-defined cir.-cum. from W. to N.E. altitude at centre about 55°
	1	0	29·687	61·0	60·2	—	0·0	Cir.-cum. in close arrangement in zenith; remainder cir. and haze. [hazy
	2	0	29·667	66·0	63·5	—	0·0	A clear space in zenith; remainder overcast with cir.-cum. and haze;
	3	0	29·667	69·7	65·8	—	0·0	Unclouded but hazy.
	4	0	29·673	72·4	68·2	—	0·2	Unclouded but hazy.
	5	0	29·676	74·2	69·6	S.	0·2	Zenith hazy; cum-strat. and haze round horizon; fair.
	6	0	29·674	77·3	71·3	S.	0·2	Generally light haze; light cir.-cum. and haze round horizon; fair.
	7	0	29·666	80·8	72·3	S. E.	0·2	Generally overcast; light cir.-cum. and haze; fair.
	8	0	29·657	80·7	72·3	S. E.	0·2	Overcast; light cir.-cum. and haze; air close; fair.
	9	0	29·651	81·2	73·3	S. E.	0·2	Overcast; cir.-cum. and haze; air close; fair.
	10	0	29·650	81·4	73·4	S. E.	0·0	Overcast; cir.-cum. and haze; fair.

September 20th and 21st. **MAGNETICAL OBSERVATIONS.**

Declination.

Mean Göttingen Time. Angular Value of one Scale Division = 0'·721.

M.	S.	10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	117·9	123·8	123·4	122·6	121·2	134·6	123·7	123·5	116·7	180·2	125·0
5	0	118·3	123·7	123·2	122·5	120·9	135·6	124·2	123·4	117·6	128·7	125·1
10	0	119·4	123·6	123·1	122·4	120·3	135·7	125·6	122·6	119·8	127·4	124·2
15	0	121·2	123·3	123·0	122·6	123·8	134·5	125·3	122·8	121·0	127·4	124·0
20	0	122·4	123·3	122·9	122·9	131·4	133·2	125·0	124·2	121·6	129·2	124·0
25	0	122·8	123·0	122·8	122·7	141·0	131·4	125·0	126·2	123·3	130·2	123·8
30	0	122·5	123·0	122·4	122·9	149·7	128·3	124·4	126·9	125·3	131·0	122·9
35	0	122·4	122·8	122·7	122·3	152·4	126·3	123·9	123·6	127·3	130·0	123·0
40	0	122·4	123·1	122·6	122·2	144·1	124·7	123·8	119·9	128·9	128·2	123·6
45	0	122·9	123·1	122·9	122·1	138·0	124·1	123·9	117·5	130·2	127·6	124·8
50	0	123·0	123·0	122·5	122·0	134·4	123·7	123·3	116·7	131·2	126·6	124·8
55	0	123·3	123·2	122·7	121·9	133·0	123·8	123·6	116·5	131·0	125·6	124·7

Horizontal Force.

One Scale Division = ·000099 parts of the H. F.

M.	S.										
2	0	975·9	981·4	982·0	980·9	980·2	974·4	977·6	978·8	983·7	978·0	976·7
7	0	974·8	980·7	981·7	979·4	980·5	972·9	976·2	977·4	979·8	977·9	976·6
12	0	971·5	980·9	981·3	979·3	981·2	974·2	976·0	978·8	977·0	975·1	975·6
17	0	971·8	980·5	981·7	981·0	971·3	974·9	975·8	979·4	978 7	972·0	976·4
22	0	972·3	980·9	981·5	983·6	959·6	974 0	974·3	981·5	977·7	970·9	977·6
27	0	974·7	980·5	981·8	984·8	953·6	973·6	973·7	986·6	976·5	969·8	978·6
32	0	976·7	981·4	981·8	983·6	946·0	973·4	973·6	992·9	979·1	969·9	979·0
37	0	976·0	980·6	983·0	982·7	950·2	974·7	974·3	992·8	977·1	970·2	978·5
42	0	978·1	981·5	981·8	982·0	967·4	974·5	976·3	989·7	978·3	974·5	978·4
47	0	977·1	981·7	982·5	981·5	976·6	975·1	977·2	988·5	979·0	974·5	979·5
52	0	977·9	982·0	982·5	981·3	976·9	975·6	979·1	986·1	977·7	976·0	979·1
57	0	978·8	982·0	982·6	981·4	978·7	976·2	979·4	984·3	977·9	975·9	979·4
Thermometer		68°·8	68°·9	68°·5	68°·2	68°·3	68°·2	68°·2	68°·0	67°·8	67°·6	67°·4

Vertical Force.

One Scale Division = ·000094 parts of the V. F.

M.	S.										
3	0	29·6	29·1	28·2	26·3	26·4	25·8	26·9	26·6	21·4	18·9	26·2
8	0	29·6	28·7	28·1	26·3	26·9	25·8	26·7	26·5	20·6	19 2	26·2
13	0	28·7	28·7	28·1	26·3	26·6	26·0	26·6	26·6	19·9	19·8	26·2
18	0	28·7	28·6	28·1	26·3	25·6	26·4	26·6	26·6	19·9	19·8	27·1
23	0	28·7	28·7	27·8	26·4	25·9	26·8	26·4	26 1	19·9	21·2	27·1
28	0	28·7	28·7	27·4	26·4	26·5	26·8	26·3	25·4	20·0	21·3	27·1
33	0	29·4	28·4	27·3	26·4	26·5	27·0	26·7	23·9	18·9	21·6	26·9
38	0	28·9	28·4	27·1	26·4	27·8	27·0	26·7	22·5	17·9	21·6	26·9
43	0	29·1	28·4	27·1	26·4	24·4	27·1	27·0	22·0	17·9	25·2	26·7
48	0	29·0	28·4	26·9	26·4	25·8	27·1	27·0	22·1	18·9	25·5	26·7
53	0	28·9	28·4	26·7	26·4	26·4	27·0	26·7	21·9	18·9	25·3	26·7
58	0	28·9	28·4	26·7	26·4	26·4	26·8	26 ·6	21·6	18·9	25·7	26·7
Thermometer		67°·3	67°·5	67°·4	68°·0	68°·7	68°·5	68°·5	68°·5	68°·5	69°·0	68°·1

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°		Ibs.	
20	10	0	29·800	66·2	65·2	E.	0·2	Light cir. and cir.-strat. generally dispersed; fair.
	11	0	29·789	64·9	62·9	E.	0·2	Cir.; cir.-strat. and haze generally; fair.
	12	0	29·771	62·3	61·2	—	0·0	Overspread with cir.; cir-strat. and haze.
	13	0	29·768	60·8	60·2	—	0·0	Unclouded but hazy.
	14	0	29·761	60·4	60·0	—	0·0	Clear and unclouded.
	15	0	29·751	59·4	58·8	—	0·0	Clear; faint auroral light in N.
	16	0	29·724	58·5	57 6	—	0·0	Haze round horison; remainder clear.
	17	0	29·710	57·6	57·2	—	0·0	Haze round horison; remainder clear.
	18	0	29·696	57·4	56·8	—	0·0	Haze round horison; remainder clear.
	19	0	29·668	57·4	57·0	—	0·0	Clear and unclouded
	20	0	29·659	58·6	58·2	—	0·0	Clear and unclouded
	21	0	29·655	58·6	58·2	—	0·0	Clear and unclouded.

MAGNETICAL OBSERVATIONS. September 20th and 21st.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
124·4	131·0	116·5	129·2	133·8	132·0	130·3	126·3	121·4	114·6	114·6	116·9	119·0
125·0	129·7	116·0	128·3	133·2	132·0	129·3	125·9	121·0	114·2	112·8	116·8	119·1
125·0	127·6	116·2	129·0	132·5	130 8	130·1	125·5	121·4	114·1	112·4	116·4	119·5
124·3	126·4	115·8	129·5	132·3	131·0	129·6	124·9	119·9	114·6	112·1	116·7	119·3
124·2	126·2	118·3	128·5	133·3	131·8	130·9	124·6	119·9	114·8	112·5	117·0	120·0
123·9	126·3	119·7	128·7	133·7	133·4	130·6	123·8	119·7	114·7	112·1	117·9	119·8
123·3	126·1	120·5	128·9	133·3	132·7	131·0	122·1	118·9	114·6	110·6	118·8	120·3
124·9	124·2	123·4	129·9	133·6	131·8	129·0	122·4	118·0	114·0	109·6	118·2	123·9
127·0	122·6	123·6	120·1	133·6	130·2	127·6	122·1	118·6	114·1	110·0	118·8	124·2
128·8	121·0	125·6	131·9	132·9	129·9	127·4	121·6	117·5	115·1	112·0	118·7	122·9
130·3	119·7	127·1	132·8	131·7	129·8	126·9	123·1	117·1	115·8	114·7	119·3	122·0
130·9	117·1	128·4	131·9	132·4	129·7	126·4	121·9	114·9	115·1	116·1	118·8	122·4

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

978·4	973·3	974·3	982·1	983·8	977·3	968·3	967·0	964·6	965·8	975·1	967·9	980·0
978·6	973·7	977·4	981·2	982·4	975·8	968·8	967·4	964·2	968·1	970·1	969·2	980·5
978·7	974·5	979·4	980·7	983·2	972·9	968·6	966·9	965·0	969·7	968·8	968·1	980·6
978·7	975·9	979·9	982·2	981·2	971·6	968·4	965·7	964·2	969·8	969·9	971·0	982·7
980·5	978·0	980·7	982·5	980·0	971·5	968·8	965·1	964·9	970·6	968·2	972·4	983·4
981·7	977·7	979·9	983·1	980·0	969·1	965·8	963·7	963·9	970·8	971·9	976·1	983·6
981·2	977·0	979·4	982·0	978·8	970·4	966·8	964·8	961·6	973·8	969·3	976·0	983·8
979·8	974·1	981·4	986·3	977·9	971·1	965·2	965·1	962·6	974·2	966·4	974·8	983·8
977·2	972·1	981·1	982·1	977·4	971·8	967·4	965·7	964·7	972·2	964·8	976·5	984·5
975·0	971·0	980 8	982·5	978·2	973·4	865·3	965·5	964·2	977·7	964·3	980·7	984·8
973·4	971·7	980·6	981·5	975·1	972·6	865·9	964·1	961·8	980·8	965·0	974·9	984·8
972·9	972·5	980·5	979·6	976·6	970·5	866·2	963·8	962 6	980·8	967·7	975·4	982·6
°	°	°	°	°	°	°	°	°	°	°	°	°
67·2	66·9	66·8	66·5	67·0	68·0	69·5	71·8	72·7	73·8	74·8	76·3	77·4[a]

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

26·7	24·6	27·5	27·0	27·5	26·3	25·0	22·6	21·5	19·8	19·2	18·5	18·6
26·7	24·9	27·7	27·7	27·5	26·7	25·0	22·1	21·0	20·3	18·8	18·5	18·6
26·7	26·4	27·8	27·8	27·0	26·3	25·2	22·1	21·0	19·7	19·0	18·5	18·6
26·7	26·3	27·9	27·8	27·0	26·3	24·3	21·7	21·0	19·6	19·2	18·5	18·6
27·0	26·7	25·8	28·8	27·0	25·8	24·3	21·6	20·7	19·6	18·7	18·5	18·5
27·0	26·5	25·8	28·8	27·0	26·0	24·1	22·2	20·7	19·6	19·1	18·5	18·5
26·5	26·5	25·6	28·8	26·7	26·0	23·6	22·3	20·7	19·6	18·4	18·9	18·5
26·5	26·5	26·3	28·8	26·8	26·5	23·6	21·6	20·6	19·6	18·4	18·9	18·6
24·8	26·5	26·4	28·3	26·5	26·0	23·0	21·3	20·4	19·6	18·4	18·7	18·6
24·7	26·7	26·4	28·4	26·3	26·0	22·8	21·3	20·0	19·6	18·0	18·7	18·6
24·5	27·2	26·1	28·3	26·3	25·7	22·7	20·9	19·6	20·2	18·6	18·7	18·6
24·5	27·2	27·0	27·5	26·3	25·1	22·9	21·1	19·8	19·9	18·5	18·6	18·4
°	°	°	°	°	°	°	°	°	°	°	°	°
67·5	67·4	67·0	66·6	66·9	67·5	68·5	70·3	71·1	72·0	72·7	74·1	74·7[a]

[a] At 21h 10m Thermometer of H. F. 78°·2; of V. F. 75°·5.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°		lbs.	
20	22	0	29·647	59·2	58·8	—	0·0	Clear and unclouded.
	23	0	29·634	58·5	58·0	—	0·0	Clear and unclouded.
21	0	0	29·650	61·4	61·4	—	0·0	Hazy round horizon; remainder clear.
	1	0	29·637	65·0	64·8	—	0·0	Clear and unclouded.
	2	0	29·621	67·0	67·8	—	0·0	Cloudless, but hazy.
	3	0	29·605	72·8	72·8	S. S. W.	0·5	Clear and unclouded.
	4	0	29·582	80·7	73·7	S. S. W.	1·0	A few detached cir.-cum. scattered.
	5	0	29·567	82·8	74·5	S. S. W.	2·0	Detached cir.-cum. scattered about. [fair.
	6	0	29·533	84·2	73·5	S. W.	3·0	Partially clouded with dense well-defined cir.-cum. and cum.-strat.;
	7	0	29·516	85·3	73·7	W. by S.	5·0	Partially clouded with dense well-defined cir.-cum. and cum.-strat.; fair.
	8	0	29·503	86·3	74·1	W.	5·0	Partially clouded with dense well-defined cir.-cum. and cum.-strat.;
	9	0	29·492	84·9	73·3	W.	5·0	Generally overcast; very dense cir.-cum. and cum.-strat. [fair.
	10	0	29·530	77·6	72·2	W. by N.	5·0	Densely overcast; very dense cir.-cum., cum.-strat. and haze.

October 18th and 19th. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0′·721. DECLINATION.											
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	124·2	124·3	125·1	124·3	126·5	132·4	139·3	129·2	127·0	123·7	125·0	125·5	125·2
5	0	124·0	124·9	125·0	125·0	126·5	134·5	142·1	127·2	126·0	123·6	125·0	125·1	125·2
10	0	124·4	125·8	125·6	125·6	126·6	137·6	144·5	127·0	125·0	123·8	125·0	125·1	125·3
15	0	124·3	125·5	125·0	125·8	126·8	141·7	145·7	126·9	124·0	124·6	124·7	125·0	125·3
20	0	124·8	124·9	125·5	125·2	126·8	144·9	145·4	126·0	123·2	125·6	124·5	124·0	125·2
25	0	124·1	125·3	124·3	125·2	126·8	147·1	144·8	125·5	123·4	126·0	124·2	123·8	125·7
30	0	124·2	125·7	124·9	125·6	128·0	148·9	142·7	124·7	124·0	125·5	124·8	123·9	126·0
35	0	123·7	125·6	124·2	125·7	136·4	149·0	139·2	125·0	124·0	124·9	124·5	124·1	125·9
40	0	124·1	124·8	124·3	125·8	137·0	147·1	139·0	125·7	123·8	124·0	124·8	124·5	125·9
45	0	124·2	124·8	124·2	126·8	135·1	145·0	137·1	126·3	124·0	124·0	125·2	124·8	125·9
50	0	125·2	124·3	124·4	127·0	134·4	143·0	135·1	126·8	124·0	124·0	125·4	125·8	125·8
55	0	125·1	125·6	124·6	126·5	133·2	140·5	132·4	127·0	123·8	124·6	126·1	125·4	127·0

		One Scale Division = ·000087 parte of the H. F. HORIZONTAL FORCE.											
M.	S.												
2	0	494·2	484·4	490·4	492·4	493·3	484·3	491·5	475·0	491·0	492·9	491·6	493·5	495·0
7	0	493·6	489·9	490·8	492·3	492·9	483·2	488·0	476·0	491·9	492·6	490·8	493·5	495·1
12	0	496·0	486·3	490·8	493·4	493·4	484·3	485·1	479·6	493·0	493·0	491·4	494·2	494·5
17	0	496·6	487·3	492·7	493·5	493·2	489·0	482·5	481·0	493·0	491·1	491·9	494·0	494·6
22	0	496·0	485·9	493·9	492·1	493·3	494·5	480·0	483·9	492·9	490·4	491·9	493·9	495·0
27	0	493·6	488·0	493·1	492·1	489·7	498·8	477·1	486·9	492·3	490·5	492·4	493·9	494·2
32	0	495·2	487·9	491·9	492·4	487·3	504·7	471·8	489·0	492·0	490·6	493·3	494·6	495·7
37	0	494·2	489·2	492·0	494·5	487·0	506·5	467·9	490·9	492·2	491·4	493·5	495·0	495·5
42	0	490·6	488·8	491·4	493·1	487·6	504·8	468·0	490·0	492·5	491·4	493·0	495·0	494·7
47	0	495·1	488·8	492·0	493·1	486·4	501·0	470·1	490·0	492·0	492·1	493·7	495·2	494·5
52	0	491·1	490·8	492·5	493·6	486·8	496·7	471·8	489·9	492·5	492·3	492·1	495·5	495·4
57	0	487·8	489·7	493·6	493·4	486·4	493·0	475·0	490·6	493·0	492·4	492·6	494·7	496·9
Thermometer		° 53·6	° 53·8	° 54·2	° 54·0	° 54·5	° 54·5	° 54·5	° 54·5	° 54·5	° 54·6	° 54·2	° 54·2	° 53·8

VERTICAL FORCE.*

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather	Mean Göttingen Time.		
				Dry.	Wet.	Direction.	Force.				
D.	H.	M.	In.	°	°		lbs.		D.	H.	M.
18	10	0	29·312	46·3	42·2	S.W. b. W.	1·0	Uniformly cir.-strat. and haze ; drizzling rain.	18	22	0
	11	0	29·303	45·0	40·6	W. S. W.	0·5	Clouded with cum. and cir.-cum.		23	0
	12	0	29·305	43·7	40·3	W. S. W.	0·2	Clouded with cum. and haze.	19	0	0
	13	0	29·319	42·6	40·0	—	0·0	Densely clouded with cum.-strat. and haze.		1	0
	14	0	29·337	41·8	38·8	—	0·0	Overcast with dense haze.		2	0
	15	0	29·355	40·5	37·8	S.W. b. W.	0·2	Densely overcast ; light haze.		3	0
	16	0	29·376	37·8	37·0	—	0·0	Clear and unclouded.		4	9
	17	0	29·410	37·2	35·8	—	0·0	Clear and unclouded.		5	0
	18	0	29·434	34·4	33·6	—	0·0	Cir.-cum. to westward ; remainder quite clear.		6	0
	19	0	29·471	35·4	34·4	S.W. b. W.	0·2	Zenith clear ; cir.-strat. and haze round horizon.		7	0
	20	0	29·499	34·7	33·6	S.W. b. W.	0·2	Zenith clear ; cir.-strat. and haze round horizon.		8	0
	21	0	29·525	34·5	33·5	—	0·0	Zenith clear ; cir.-strat. and haze round horizon.		9	0
										10	0

* Vertical Force needle removed for temperature experiments.

MAGNETICAL OBSERVATIONS. October 18th and 19th.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
125·5	125·2	126·1	126·7	128·1	129·8	128·7	126·1	124·1	123·9	122·8	122·5	122·8
125·1	125·2	123·7	126·8	128·1	129·5	128·1	127·0	124·1	123·8	122·1	122·6	122·7
125·1	125·3	124·8	126·4	128·7	128·9	126·7	126·8	123·3	123·8	122·6	122·2	122·8
125·0	125·3	125·4	126·8	128·6	128·6	126·5	126·0	122·2	123·2	122·8	122·4	123·2
124·0	125·2	125·4	127·3	128·5	129·1	129·1	126·0	121·8	123·3	122·9	122·8	123·5
123·8	125·7	125·5	127·1	128·5	129·8	129·0	126·0	122·0	123·5	122·9	122·8	124·2
123·9	126·0	126·5	127·2	128·4	129·2	127·0	126·1	122·5	123·2	123·1	123·0	124·2
124·1	125·9	126·8	128·8	129·5	128·8	126·9	126·1	122·5	123·4	123·0	123·0	123·0
124·5	125·9	126·5	127·4	129·3	127·9	127·2	126·9	122·6	123·2	122·9	123·0	123·9
124·8	125·9	127·1	127·5	129·7	127·1	126·4	127·0	123·7	123·3	122·4	123·2	123·6
125·8	125·8	127·0	128·0	129·9	127·7	126·4	126·6	124·0	122·9	122·5	122·8	124·2
125·4	127·0	127·4	128·2	129·8	128·0	125·9	125·3	124·0	123·0	122·2	122·8	124·1

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00027.

493·5	495·0	496·4	495·0	493·5	490·8	492·4	495·6	495·4	493·7	496·1	492·6	488·7
493·5	495·1	495·1	495·3	492·5	492·8	491·8	497·4	493 9	494·0	495·5	491·8	487·3
494·2	494·5	494·4	494·3	492·0	491·4	492·4	498·0	490·8	494·6	495·4	489·5	486·6
494·0	494·6	495·1	494·6	491·8	490·9	489·6	499·3	490·3	494·7	494·9	488·9	487·4
493·9	495·0	496·0	495·0	490·8	488·8	491·5	499·0	489·5	495·5	493·9	488·1	487·4
493·9	494·2	494·4	495·2	491·0	489·0	492·5	498·4	489·8	495·7	495·3	486·9	488·3
494·6	495·7	495·4	495·4	490·2	489·1	493·0	498·9	490·4	495·6	495·4	487·3	487·9
495·0	495·5	496·2	494·9	490·5	489·0	494·3	499·0	489·6	495·8	496·3	488·0	485·8
495·0	494·7	495·2	495·0	491·2	491·8	493·9	498·0	490·6	496·2	496·9	492·0	488·1
495·2	494·5	495·6	494·1	490·7	492·6	494·5	498·0	491·3	496·2	495·5	492·9	488·9
495·5	495·4	494·2	493·6	490·4	490·1	493·9	497·1	492·5	495·9	495·8	490·9	489·9
494·7	496·9	495·5	493·7	490·7	490·3	494·1	495·6	493·4	496·6	494·2	490·1	488·4
°	°	°	°	°	°	°	°	°	°	°	°	°
54·2	53·8	54·0	53·8	53·2	54·0	54·5	55·0	55·0	55·2	54·9	54·5	55·7[a]

Vertical Force

[a] At 19h 10h Thermometer of H. F. 56°·0.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°		lbs.	
18	22	0	29·584	32·6	31·9	—	0·0	Cir.-cum. to eastward; remainder quite clear; fair.
	23	0	29·589	31·8	31·0	—	0·0	A few cir.-cum. round horizon; remainder clear; fair.
19	0	0	29·615	32·1	31·2	—	0·0	Detached cir.-strat. scattered about; fair.
	1	0	29·650	33·0	32·0	—	0·0	Light cir. and cir.-strat. round horizon; zenith clear; fair.
	2	0	29·687	35 8	35·0	S.W. by S.	0·2	Clouded; well-defined cir.-cum.; clear spaces.
	3	0	29·714	40·4	37·2	S.W. by W.	0·5	Partially clouded; light cir.-cum.
	4	9	29·727	43 6	39·6	W.	0·5	Clouded; cum. and cir.-cum.
	5	0	29·733	43·6	39·8	W.	0·6	Partially clouded; detached cir.-cum.
	6	0	29·721	45·4	40·0	W. S. W.	0·6	Uniformly overcast cir.-strat.; cum.-strat. and haze.
	7	0	29·715	46·4	40·5	S.W. by S.	0·2	Overcast with light cum.-strat. and cir.-cum.; a few clear intervals.
	8	0	29·708	48·4	42·3	W. by S.	0·5	Overcast with cir.-cum. and light cum.-strat.; clear spaces; fair.
	9	0	29·707	48·5	44 1	S. W.	0·5	Detached cir.-cum. and cum.-strat. generally over the sky; fair.
	10	0	29·707	47·1	42·8	S. W.	0·3	Detached cir.-cum. scattered about; fair.

November 24th and 25th. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0'·721. DECLINATION.											
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	124·6	126·3	126·6	128·7	127·7	130·0	127·3	126·0	123·7	125·2	125·0	126·4	126·2
5	0	124·8	127·1	126·2	130·1	127·2	129·8	126·8	126·0	121·8	125·0	125·2	126·4	126·9
10	0	124·9	125·8	126·8	130·2	127·2	128·9	126·8	126·1	121·9	124·0	125·5	126·4	127·2
15	0	125·2	127·1	126·2	129·7	127·4	128·0	126·9	126·2	121·8	122·7	125·7	126·0	127·2
20	0	125·6	126·2	126·4	128·8	128·3	128·0	127·0	126·3	121·8	122·0	125·8	126·0	127·2
25	0	125·5	126·3	126·9	128·1	127·9	128·2	127·1	126·2	120·8	122·9	126·0	126·0	127·0
30	0	125·0	126·3	127·0	127·0	128·0	128·0	126·8	126·6	120·3	124·2	126·2	126·0	127·4
35	0	125·5	126·5	127·0	126·4	128·6	127·2	126·4	126·7	121·5	125·0	126·0	126·0	127·5
40	0	125·8	126·7	127·0	126·6	131·0	127·0	126·4	126·4	122·1	125·0	126·0	126·1	127·8
45	0	126·2	126·1	126·9	128·4	131·9	126·8	126·2	125·8	124·0	124·3	126·0	126·7	127·9
50	0	127·3	126·2	127·6	128·2	131·9	127·8	125·9	126·0	124·1	124·5	126·4	126·7	127·3
55	0	127·2	126·5	128·0	127·8	131·0	128·0	125·9	126 0	125·0	124·8	126·5	126·2	127·5

		One Scale Division = ·000087 parts of the H. F. HORIZONTAL FORCE.											
M.	S.												
2	0	504·8	506·2	504·1	498·0	498·0	498·1	501·1	500·7	502·4	504·3	502·8	501·0	502·8
7	0	504·9	505·4	502·4	496·1	498·7	500·1	500·7	501·0	502·3	504·2	502·8	501·1	503·0
12	0	504·9	507·2	503·3	496·8	499·8	500·9	500·6	501·1	502·3	503·3	502·6	501·9	503·5
17	0	505·3	505·0	502·8	497·0	499·7	501·0	501·1	501·0	502·8	504·8	502·3	502·0	503·0
22	0	505·4	506·1	501·9	497·6	499·2	500·8	500·9	500·9	505·0	504·2	501·3	502·0	504·0
27	0	505·6	506·1	501·6	498·1	499·0	501·0	500·6	501·0	505·1	504·0	401·0	501·9	502·7
32	0	504·5	505·7	501·9	498·8	500·0	500·6	500·8	501·0	504·5	503·0	501·0	502·0	502·9
37	0	504·9	506·0	501·9	498·8	499·9	499·8	501·0	500·9	504·0	503·2	501·0	502·0	503·0
42	0	505·8	505·0	502·0	498·7	500·0	499·7	500·9	500·7	503·5	503·6	501·0	502·6	503·0
47	0	506·9	503·9	501·4	498·0	499·6	500·0	501·0	500·8	504·6	503·0	501·0	503·0	504·0
52	0	507·0	505·1	500·4	498·0	498·8	501·0	500·0	500·7	504·9	503·0	501·0	503·0	503·5
57	0	505·8	504·2	500·6	497·9	498·6	501·3	500·0	501·2	504·8	503·0	501·0	503·0	504·0
Thermometer		53°·4	53°·0	52°·8	52°·6	52°·3	52°·2	51°·8	51°·7	51°·9	52°·0	52°·5	52°·8	53°·0

VERTICAL FORCE.[a]

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°		lbs.	
24	10	0	29·160	42·5	37·5	W. by S.	1·0	Detached cir.-cum. generally scattered; fair.
	11	0	29·308	39·8	35·0	W. N. W.	0·5	·1 clouded cum.-strat.; remainder clear.
	12	0	29·350	38·2	34·2	W.	0·2	Zenith clear; cum.-strat. round S. horizon.
	13	0	29·373	36·9	33·4	W.	0·2	Dense cum.-strat. on N. and strat. along S. horizon; zenith clear.
	14	0	29·603	36·9	32·6	W.	0·2	Light detached cir.-cum. scattered over ·5. [strat.
	15	0	29·622	35·8	32·6	W.	0·2	Zenith clear; horizon partially clouded with cir.-cum. and cir.-
	16	0	29·652	31·4	31·3	W.	0·2	Generally overcast with cir.-cum. and cir.-strat.
	17	0	29·670	34·4	31·6	—	0·0	Clouded with cir.-cum. and cir.-strat.
	18	0	29·684	34·4	31·6	—	0·0	Clouded with cir.-cum. and cir.-strat.
	19	0	29·693	34·0	31·5	—	0·0	Densely clouded; cir.-cum., cum.-strat. and base.
	20	0	29·727	34·0	31·2	—	0·0	Densely overcast; cum.-strat. and base.
	21	0	29·741	33·6	31·2	—	0·0	Thickly overcast; cum.-strat. and base.

[a] Vertical Force needle removed for temperature experiments.

Mean Göttingen Time.		
D.	H.	M.
24	22	0
	23	0
25	0	0
	1	0
	2	0
	3	0
	4	0
	5	0
	6	0
	7	0
	8	0
	9	0
	10	0

MAGNETICAL OBSERVATIONS. November 24th and 25th.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
126·4	126·2	127·8	128·0	128·2	128·9	128·2	126·0	123·9	121·4	121·7	123·2	124·9
126·4	126·9	127·5	127·9	128·4	128·5	127·5	125·7	123·4	121·6	121·8	123·3	124·8
126·4	127·2	127·7	127·9	128·8	128·8	127·1	125·3	123·4	121·7	121·8	123·4	124·8
126·0	127·2	127·7	127·9	129·1	128·6	127·4	125·2	123·1	121·8	121·9	123·5	124·8
126·0	127·2	127·6	127·1	129·1	128·4	127·3	124·9	123·0	121·8	122·0	123·5	124·8
126·0	127·0	127·9	127·5	128·9	128·3	126·9	125·0	122·5	121·7	122·0	123·8	125·0
126·0	127·4	128·0	127·8	128·9	128·3	127·0	124·9	122·4	121·6	122·1	124·0	124·8
126·0	127·5	128·0	127·8	129·2	127·9	126·9	124·3	122·2	121·4	122·3	124·3	124·9
126·1	127·8	128·5	127·6	128·9	128·1	126·1	124·4	122·3	121·4	122·4	124·5	125·0
126·7	127·9	128·3	127·6	128·4	128·2	126·2	124·3	122·1	121·1	122·4	124·5	125·0
126·7	127·3	128·6	128·2	129·1	128·5	125·9	124·1	121·9	121·2	122·6	124·6	125·3
126·2	127·5	128·0	128·2	130·0	128·3	125·7	124·1	121·5	121·4	123·0	124·8	125·4

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

501·0	502·8	504·0	504·0	502·3	497·8	493·9	490·7	492·4	493·8	497·7	502·3	504·2
501·1	503·0	504·0	503·3	501·7	497·4	493·1	491·0	492·1	493·8	498·1	503·1	505·1
501·9	503·5	504·0	503·0	501·3	497·0	494·0	491·0	492·8	494·4	498·9	501·9	504·8
502·0	503·0	504·5	503·4	501·3	497·1	492·6	491·1	492·4	494·7	499·3	502·8	504·6
502·0	504·0	503·9	503·2	501·5	496·7	492·1	490·5	492·7	495·1	499·9	502·2	504·5
501·9	502·7	503·8	503·6	500·8	496·3	492·2	491·1	492·3	496·0	499·9	502·0	504·6
502·0	502·9	503·8	503·2	500·0	496·0	492·2	491·5	493·0	496·9	499·6	503·9	505·2
502·0	503·0	503·1	503·0	500·3	495·1	491·1	491·1	493·0	497·0	500·3	504·2	504·5
502·6	503·0	504·0	503·2	500·7	494·9	490·6	491·3	493·6	497·9	500·7	503·4	505·2
503·0	504·0	503·9	502·8	498·6	494·6	490·9	491·1	494·0	497·7	500·8	503·7	505·6
503·0	503·5	503·7	502·6	497·1	493·3	490·7	491·2	494·0	497·6	501·5	504·0	505·6
503·0	504·0	503·4	502·5	498·3	493·0	490·5	491·7	493·9	497·6	502·3	504·5	505·4
°	°	°	°	°	°	°	°	°	°	°	°	°
52·8	53·0	53·2	53·2	52·6	52·4	52·5	52·2	51·8	51·6	51·6	52·0	52·4[a]

Vertical Force.

[a] At 25h 10h Thermometer of H. F. 52°·5.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°		lbs.	
24	22	0	29·756	32·4	30·4	—	0·0	Clear, save a few light cir.-cum. in N. and N. W.
	23	0	29·756	29·8	29·6	—	0·0	Clear and unclouded.
25	0	0	29·764	30·6	30·0	—	0·0	Clear and unclouded.
	1	0	29·804	30·3	28·6	W.	0·2	A few light cir.-cum. scattered about; fair.
	2	0	29·817	31·2	29·4	W.	0·2	A few light cir.-cum. scattered about; fair.
	3	0	29 841	33·4	30·8	W.	0·2	A few light cir.-cum. scattered about; fair.
	4	0	29·861	35·5	32·0	W.	0·2	A few light cir.-cum. scattered about; fair.
	5	0	29·861	36·5	32·5	W.	0·5	A few light cir.-cum. scattered about; fair.
	6	0	29·847	37·5	32·7	W.	0·5	A few light cir.-cum. scattered about; fair.
	7	0	29·847	39·3	34·8	W.	0·2	Clear and unclouded.
	8	0	29·841	40·4	35·4	S. S. W.	0·5	Clear, save a few detached cir.-cum. in N. E.
	9	0	29·841	40·8	35·9	S. S. W.	0·2	Clear, save a flexious cir. and cir.-strat. in zenith.
	10	0	29·849	39·9	35·4	S. S. W.	0·5	Light flexious cir. and cir.-strat., generally dispersed.

December 20th and 21st. **MAGNETICAL OBSERVATIONS.**

DECLINATION.

Mean Göttingen Time. Angular Value of one Scale Division = 0′·721.

M.	S.	10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	125·5	125·8	127·0	127·0	128·0	127·7	127·7	128·2	120·0	125·5	125·2
5	0	125·5	126·0	127·0	127·0	128·0	127·6	127·0	127·8	125·9	125·5	125·2
10	0	126·0	126·0	127·0	127·0	127·9	127·6	127·2	127·1	125·8	125·6	125·1
15	0	125·5	126·4	127·0	127·2	127·8	127·3	127·5	127·1	125·5	125·3	125·3
20	0	125·8	126·4	127·0	127·2	127·1	127·0	127·5	127·3	125·4	125·2	125·3
25	0	126·0	126·5	127·0	127·2	127·0	127·0	127·0	127·2	125·4	125·2	125·4
30	0	126·0	126·5	127·0	127·3	127·2	127·1	126·7	127·4	125·3	125·2	125·5
35	0	126·4	126·8	127·0	127·3	127·3	127·2	126·1	126·9	125·4	125·0	125·5
40	0	126·2	127·0	127·0	127·3	127·3	127·0	126·2	126·4	125·4	125·1	125·8
45	0	126·0	127·0	127·0	128·0	127·5	127·3	126·5	126·1	125·2	125·0	125·7
50	0	126·0	127·0	127·1	128·0	128·0	127·4	127·0	126·1	125·2	125·0	125·9
55	0	125·8	127·0	127·0	128·0	127·7	127·2	127·0	125·9	125·4	125·2	126·0

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F.

M.	S.											
2	0	516·7	515·1	514·3	513·3	511·3	510·3	510·4	514·8	512·8	512·5	512·8
7	0	516·3	514·4	513·9	513·6	511·8	510·1	510·0	516·9	512·7	512·1	512·8
12	0	516·8	514·4	513·6	513·8	511·5	510·0	509·8	516·7	512·9	512·2	512·6
17	0	515·7	514·9	513·0	513·4	511·0	510·2	510·0	516·0	513·0	512·4	512·6
22	0	515·3	515·0	513·2	513·0	510·5	510·0	510·0	514·9	512·9	512·6	512·4
27	0	515·8	514·8	513·4	513·0	510·1	510·0	511·7	514·3	512·8	512·8	512·3
32	0	515·8	514·8	513·0	512·0	510·2	510·0	513·0	513·9	513·0	512·9	512·3
37	0	517·0	514·8	513·6	512·0	510·8	511·0	513·2	513·8	513·0	512·8	512·6
42	0	517·0	514·5	513·9	512·0	510·8	510·0	512·0	513·1	512·8	512·7	513·9
47	0	516·3	514·6	514·0	511·2	510·0	510·0	511·5	513·2	512·6	512·8	514·1
52	0	515·4	514·8	514·0	512·0	510·0	509·0	511·4	513·5	512·6	512·8	516·0
57	0	515·1	514·9	514·0	511·9	510·3	510·0	511·3	513·0	512·6	512·8	515·9
Thermometer		48°·8	47°·5	48°·0	48°·5	49°·0	49°·0	49°·0	49°·6	49°·6	49°·4	49°·2

VERTICAL FORCE.*

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.

D.	H.	M.	Barometer at 32°.	Thermometers. Dry.	Thermometers. Wet.	Wind. Direction.	Wind. Force.	Weather.
			in.	°	°		lbs.	
20	10	0	29·806	37·8	35·4	W. S. W.	0·2	Clouded; flexious cir.-strat. and light haze.
	11	0	29·825	36·8	34·8	W. S. W.	0·2	Clouded; cum.-strat., cir.-strat., and haze.
	12	0	29·853	36·4	34·5	—	0·0	Overcast; dense haze.
	13	0	29·868	36·0	34·6	—	0·0	Densely clouded.
	14	0	29·866	36·0	34·4	—	0·0	Densely clouded.
	15	0	29·866	35·8	34·4	—	0·0	Densely clouded.
	16	0	29·878	35·2	34·0	—	0·0	Densely clouded.
	17	0	29·904	34·5	33·4	—	0·0	Densely clouded.
	18	0	29·903	34·3	33·2	—	0·0	Densely clouded.
	19	0	29·899	34·1	33·1	—	0·0	Densely clouded.
	20	0	29·899	34·1	33·0	—	0·0	Densely clouded.
	21	0	29·888	33·9	33·0	—	0·0	Densely clouded.

* Vertical Force needle removed for temperature experiments.

MAGNETICAL OBSERVATIONS. December 20th and 21st.

Declination.

Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
125·9	126·0	126·4	126·8	127·6	127·9	128·1	128·1	125·5	123·9	122·8	123·9	125·2
125·8	126·0	126·4	127·0	127·7	128·0	128·1	127·8	125·5	123·2	122·9	123·8	125·2
125·7	126·0	126·4	127·0	127·7	128·0	128·3	127·8	125·6	123·2	122·9	123·8	125·0
125·6	126·0	126·5	127·0	128·0	128·0	128·5	127·7	125·3	123·1	122·8	123·9	125·0
126·0	126·0	126·5	127·0	127·9	128·0	128·5	127·2	125·0	122·9	123·1	123·9	125·0
126·0	126·0	126·7	127·0	128·0	127·9	128·4	126·3	125·0	123·0	123·3	123·8	125·1
126·0	126·1	126·6	127·0	128·0	128·0	128·8	126·7	124·3	123·0	123·1	124·9	125·1
126·0	126·2	126·6	126·7	128·0	128·3	128·8	127·0	124·4	122·9	123·4	125·0	125·2
126·0	126·4	126·6	126·8	128·0	128·0	128·6	127·2	124·4	122·8	123·7	124·9	125·2
126·0	126·4	126·6	126·7	128·0	128·1	128·4	127·0	124·0	122·9	123·9	125·0	125·2
125·8	126·4	126·6	127·5	128·0	128·3	128·2	126·5	124·0	122·7	123·9	125·0	125·2
125·9	126·4	126·8	127·3	128·0	128·1	128·1	125·9	124·0	122·7	123·3	125·1	125·6

Horizontal Force.

Change in the Magnetic moment of the Bar for 1° Fahr. = ·00027.

514·2	515·0	515·0	515·2	517·5	516·0	513·2	511·8	509·7	508·9	509·0	513·9	516·7
514·1	515·0	515·0	515·0	517·6	515·6	513·3	512·2	509·8	507·1	508·5	514·0	517·3
514·7	514·8	515·0	515·0	517·9	516·0	513·1	512·7	509·1	508·9	509·1	513·3	517·1
514·8	514·6	515·0	515·4	517·9	515·4	512·7	512·4	508·5	508·7	509·9	514·7	517·0
515·0	514·8	514·9	515·4	517·4	515·4	512·8	512·0	508·1	508·4	510·1	514·6	517·0
515·0	515·0	514·8	515·6	517·4	514·8	512·8	511·0	507·1	507·7	511·0	516·1	517·4
515·1	515·0	514·8	515·8	517·4	515·0	512·5	510·5	506·6	507·8	511·2	516·6	517·0
515·8	514·6	515·2	515·9	517·3	515·0	512·2	511·0	506·9	508·8	512·0	516·9	515·9
515·2	514·3	515·4	516·2	517·0	514·9	512·2	510·9	507·5	508·8	512·4	517·0	516·5
515·4	514·1	515·4	516·4	517·0	513·8	511·9	511·6	507·8	509·4	511·3	516·0	515·7
515·0	514·1	515·2	517·0	516·1	514·0	512·0	510·9	507·3	509·6	512·0	517·0	515·2
515·2	514·8	515·2	516·9	516·4	513·5	512·0	510·0	508·3	508·8	512·7	517·1	514·0
°	°	°	°	°	°	°	°	°	°	°	°	°
49·0	49·4	49·4	49·4	49·4	49·2	48·8	48·5	48·5	48·8	49·2	49·6	50·0[a]

Vertical Force.

[a] At 21d 10h Thermometer of H. F. 50°·2.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°		lbs.	
20	22	0	29·876	33·9	33·0	—	0·0	Densely clouded.
	23	0	29·866	33·8	33·0	—	0·0	Densely clouded.
21	0	0	29·866	33·8	32·8	—	0·0	Densely clouded; hazy.
	1	0	29·852	33·8	33·0	—	0·0	Densely clouded; cir.-cum. and haze.
	2	0	29·852	34·0	33·2	W. S. W.	0·5	Densely clouded; cir.-cum. and haze.
	3	0	29·830	34·1	33·5	W. S. W.	0·2	Densely clouded with haze.
	4	0	29·842	35·0	34·2	W. S. W.	0·2	Densely clouded.
	5	0	29·814	36·2	35·2	W. S. W.	0·2	Densely clouded; cir.-strat. and haze.
	6	0	29·782	37·2	35·9	W. S. W.	0·2	Densely clouded; cir.-strat. and haze.
	7	0	29·753	37·3	36·1	W. S. W.	0·2	Densely clouded; cir.-strat. and haze.
	8	0	29·739	37·8	36·5	W. S. W.	0·2	Partially overcast; cir. and light cir.-strat.
	9	0	29·730	38·5	37·0	—	0·0	Overspread; cir.; light cir.-strat. and haze; a little blue sky; fair.
	10	0	29·719	37·8	36·1	—	0·0	Overspread; cir.; light cir.-strat. and haze; a little blue sky; fair.

TORONTO, 1843.

METEOROLOGICAL OBSERVATIONS.

BAROMETHIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
JANUARY.	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2	2·473	2·391	2·372	2·352	2·296	2·260	2·206	2·179	2·192	2·213	2·243	2·251	2·268	2·28
	3	2·589	2·636	2·685	2·713	2·732	2·728	2·732	2·724	2·718	2·737	2·755	2·767	2·778	2·78
	4	2·773	2·764	2·765	2·751	2·723	2·693	2·660	2·650	2·643	2·639	2·657	2·655	2·654	2·66
	5	2·555	2·563	2·570	2·580	2·595	2·589	2·569	2·571	2·581	2·613	2·638	2·656	2·672	2·68
	6	2·686	2·696	2·691	2·675	2·666	2·636	2·589	2·548	2·527	2·512	2·496	2·492	2·483	2·48
	7	2·380	2·390	2·390	2·421	2·433	2·423	2·424	2·442	2·458	2·496	2·532	2·608	2·634	2·61
	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	2·889	2·886	2·894	2·914	2·908	2·895	2·884	2·856	2·830	2·817	2·840	2·840	2·839	2·82
	10	2·579	2·501	2·572	2·561	2·561	2·538	2·518	2·498	2·506	2·522	2·557	2·571	2·607	2·63
	11	2·879	2·877	2·909	2·934	2·940	2·910	2·885	2·870	2·856	2·856	2·857	2·855	2·842	2·83
	12	2·669	2·673	2·683	2·653	2·608	2·590	2·536	2·528	2·508	2·480	2·458	2·426	2·416	2·42
	13	2·322	2·309	2·305	2·313	2·313	2·305	2·279	2·271	2·269	2·287	2·295	2·317	2·335	2·35
	14	2·391	2·399	2·402	2·393	2·390	2·378	2·354	2·347	2·347	2·372	2·387	2·402	2·420	2·45
	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	2·980	3·016	3·066	3·090	3·106	3·120	3·108	3·092	3·098	3·094	3·128	3·116	3·116	3·13
	17	3·182	3·188	3·210	3·209	3·211	3·207	3·193	3·165	3·156	3·151	3·166	3·162	3·161	3·16
	18	3·059	3·067	3·077	3·073	3·069	3·056	3·025	3·000	2·988	2·982	2·980	2·969	2·961	2·99
	19	2·811	2·813	2·816	2·813	2·812	2·806	2·774	2·764	2·743	2·744	2·742	2·744	2·760	2·76
	20	2·875	2·891	2·901	2·917	2·927	2·923	2·891	2·883	2·880	2·851	2·846	2·826	2·796	2·79
	21	2·540	2·515	2·494	2·504	2·494	2·470	2·439	2·435	2·434	2·458	2·494	2·521	2·557	2·56
	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	2·383	2·340	2·319	2·300	2·265	2·229	2·177	2·081	2·017	1·933	1·949	1·931	1·916	1·92
	24	1·869	1·889	1·952	1·982	2·035	2·043	2·061	2·071	2·117	2·169	2·209	2·229	2·243	2·22
	25	2·135	2·146	2·177	2·210	2·260	2·305	2·358	2·394	2·435	2·490	2·542	2·584	2·604	2·66
	26	2·874	2·888	2·892	2·916	2·920	2·913	2·880	2·893	2·856	2·832	2·825	2·810	2·799	2·78
	27	2·636	2·646	2·649	2·677	2·687	2·677	2·678	2·656	2·655	2·855	2·656	2·648	2·663	2·67
	28	2·588	2·612	2·634	2·648	2·674	2·682	2·672	2·670	2·676	2·692	2·705	2·723	2·739	2·76
	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	2·684	2·680	2·675	2·648	2·628	2·591	2·548	2·520	2·497	2·490	2·465	2·451	2·433	2·41
	31	2·091	2·107	2·075	2·014	1·975	1·899	1·837	1·787	1·756	1·708	1·672	1·630	1·621	1·58
Hourly Means		2·6112	2·6109	2·6221	2·6254	2·6242	2·6102	2·5876	2·5729	2·5670	2·5690	2·5805	2·5840	2·5892	2·59
FEBRUARY.	1	1·948	1·993	2·047	2·060	2·068	2·084	2·087	2·070	2·061	2·074	2·076	2·099	2·128	2·10
	2	2·564	2·610	2·687	2·717	2·750	2·770	2·767	2·761	2·760	2·769	2·776	2·776	2·770	2·73
	3	2·643	2·653	2·683	2·678	2·687	2·686	2·662	2·653	2·654	2·665	2·685	2·716	2·740	2·73
	4	2·798	2·821	2·836	2·844	2·842	2·838	2·832	2·805	2·792	2·794	2·801	2·815	2·829	2·83
	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	2·175	2·169	2·194	2·190	2·175	2·161	2·155	2·154	2·148	2·180	2·204	2·250	2·271	2·2
	7	2·513	2·526	2·597	2·648	2·678	2·703	2·705	2·601	2·703	2·722	2·745	2·758	2·772	2·8
	8	2·847	2·849	2·868	2·858	2·852	2·845	2·797	2·777	2·776	2·774	2·784	2·802	2·827	2·8
	9	2·961	2·982	3·012	3·016	3·029	3·028	3·018	3·011	2·994	2·992	3·004	3·002	3·026	3·0
	10	2·951	2·941	2·906	2·862	2·795	2·757	2·698	2·629	2·534	2·465	2·399	2·351	2·301	2·2
	11	2·116	2·190	2·281	2·326	2·375	2·403	2·413	2·433	2·432	2·446	2·452	2·454	2·475	2·4
	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	2·807	2·826	2·878	2·894	2·893	2·888	2·870	2·873	2·859	2·860	2·862	2·874	2·874	2·8
	14	2·744	2·707	2·716	2·679	2·652	2·632	2·549	2·505	2·474	2·456	2·451	2·447	2·447	2·4
	15	2·307	2·315	2·315	2·322	2·311	2·308	2·283	2·260	2·257	2·269	2·290	2·317	2·342	2·3
	16	2·552	2·583	2·620	2·625	2·635	2·624	2·614	2·617	2·632	2·647	2·663	2·679	2·690	2·7
	17	2·708	2·709	2·735	2·735	2·729	2·719	2·696	2·672	2·664	2·671	2·680	2·691	2·699	2·7
	18	2·775	2·776	2·822	2·826	2·829	2·820	2·797	2·778	2·762	2·758	2·757	2·760	2·766	2·7
	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	2·498	2·538	2·550	2·550	2·527	2·508	2·499	2·468	2·453	2·458	2·438	2·423	2·417	2·4
	21	2·219	2·215	2·204	2·184	2·170	2·165	2·157	2·142	2·135	2·147	2·152	2·170	2·179	2·2
	22	2·217	2·227	2·220	2·234	2·242	2·247	2·255	2·259	2·263	2·289	2·325	2·367	2·405	2·4
	23	2·499	2·507	2·534	2·549	2·544	2·544	2·543	2·545	2·538	2·529	2·515	2·538	2·552	2·5
	24	2·450	2·494	2·451	2·448	2·426	2·413	2·409	2·386	2·363	2·348	2·337	2·338	2·348	2·3
	25	2·295	2·295	2·285	2·282	2·265	2·248	2·233	2·196	2·182	2·199	2·224	2·250	2·282	2·2
	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	2·439	2·450	2·498	2·511	2·543	2·588	2·607	2·604	2·618	2·649	2·666	2·680	2·697	2·7
	28	2·754	2·771	2·793	2·794	2·797	2·773	2·758	2·735	2·725	2·707	2·678	2·679	2·677	2·6
Hourly Means		2·5325	2·5478	2·5722	2·5763	2·5756	2·5730	2·5585	2·5389	2·5325	2·5362	2·5402	2·5514	2·5631	2·5

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
4	5	6	7	8	9	10	11	12	13	14	15	16	17	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2·243	2·251	2·268	2·288	2·314	2·332	2·328	2·347	2·363	2.395	2·417	2·448	2·503	2·547	2·3324
2·755	2·767	2·708	2·783	2·798	2·798	2·793	2·787	2·787	2·787	2·783	2·782	2·766	2·766	2·7472
2·657	2·655	2·654	2·666	2·657	2·656	2·647	2·643	2·611	2·599	2·595	2·581	2·546	2·551	2·6575
2·638	2·656	2·672	2·688	2·693	2·708	2·717	2·711	2·703	2·699	2·705	2·705	2·684	2·686	2·6138
2·496	2·492	2·483	2·480	2·466	2·444	2·423	2·413	2·365	2·365	2·375	2·374	2·354	2·357	2·5047
2·532	2·608	2·634	2·618	2·607	2·597	2·597	2·586	—	—	—	—	—	—	2·5834
—	—	—	—	—	—	—	—	2·774	2·800	2·831	2·842	2·854	2·864	
2·840	2·840	2·839	2·820	2·792	2·761	2·749	2·745	2·674	2·665	2·643	2·623	2·585	2·581	2·7884
2·557	2·571	2·607	2·638	2·676	2·725	2·761	2·781	2·703	2·819	2·851	2·859	2·859	2·875	2·6553
2·857	2·855	2·842	2·834	2·820	2·796	2·787	2·772	2·755	2·743	2·733	2·713	2·695	2·682	2·8250
2·458	2·426	2·416	2·428	2·396	2·376	2·371	2·367	2·338	2·334	2·334	2·318	2·310	2·322	2·4634
2·295	2·317	2·335	2·331	2·354	2·368	2·369	2·375	2·375	2·385	2·393	2·389	2·395	2·393	2·3353
2·387	2·402	2·420	2·452	2·480	2·522	2·604	2·642	—	—	—	—	—	—	2·5478
—	—	—	—	—	—	—	—	2·857	2·883	2·903	2·929	2·943	2·950	
3·128	3·116	3·116	3·138	3·144	3·144	3·146	3·148	3·114	3·148	3·152	3·174	3·168	3·156	3·1163
3·166	3·162	3·161	3·104	3·168	3·135	3·135	3·122	3·106	3·094	3·094	3·091	3·082	3·119	3·1530
2·980	2·969	2·961	2·960	2·946	2·945	2·927	2·909	2·911	2·879	2·861	2·841	2·824	2·826	2·9640
2·742	2·744	2·760	2·765	2·776	2·794	2·802	2·803	2·805	2·813	2·827	2·841	2·845	2·849	2·7942
2·846	2·826	2·796	2·797	2·777	2·759	2·731	2·715	2·688	2·652	2·644	2·606	2·580	2·556	2·7880
2·494	2·521	2·557	2·598	2·621	2·642	2·646	2·647	—	—	—	—	—	—	2·5171
—	—	—	—	—	—	—	—	2·538	2·521	2·507	2·473	2·449	2·413	
1·949	1·931	1·916	1·921	1·925	1·919	1·914	1·906	1·884	1·878	1·882	1·887	1·883	1·881	2·0300
2·209	2·229	2·243	2·229	2·224	2·215	2·199	2·187	2·139	2·133	2·110	2·094	2·111	2·121	2·1096
2·542	2·584	2·604	2·666	2·697	2·701	2·742	2·774	2·781	2·800	2·837	2·840	2·859	2·863	2·5500
2·825	2·810	2·799	2·787	2·787	2·761	2·713	2·735	2·717	2·680	2·677	2 663	2·656	2·622	2·7957
2·656	2·648	2·663	2·677	2·647	2·601	2·608	2·597	2·569	2·568	2·566	2·604	2·591	2·559	2·6321
2·705	2·723	2·739	2·762	2·774	2·784	2·791	2·813	—	—	—	—	—	—	2·7145
—	—	—	—	—	—	—	—	2·782	2·784	2·779	2·756	2·717	2·691	
2·465	2·451	2·433	2·413	2·380	2·356	2·330	2·314	2·294	2·256	2·256	2·229	2·205	2·171	2·4381
1·672	1·630	1·621	1·585	1·579	1·587	1·612	1·675	1·731	1·789	1·818	1·847	1·872	1·912	1·7989
2·5805	2·5840	2·5892	2·5957	2·5961	2·5933	2·5939	2·5967	2·6016	2·5995	2 6018	2·5971	2·5890	2·5866	2·5961
2·076	2·099	2·128	2·168	2·209	2·231	2·246	2·270	2·314	2·371	2·417	2·464	2·492	2·524	2·1875
2·776	2·776	2·770	2·752	2·759	2·755	2·745	2·734	2·711	2·704	2·711	2·692	2·682	2·654	2·7240
2·685	2·716	2·740	2·754	2·750	2·749	2·768	2·772	2·772	2·764	2·782	2·794	2·790	2·795	2·7206
2·801	2·815	2·829	2·823	2·795	2·766	2·734	2·716	—	—	—	—	—	—	2·6299
—	—	—	—	—	—	—	—	2·063	2·081	2·097	2·105	2·135	2·155	
2·204	2·250	2·271	2·276	2·303	2·328	2·346	2·367	2·390	2·414	2·430	2·452	2·474	2·480	2·2786
2·745	2·756	2·772	2·806	2·812	2·840	2·842	2·848	2·847	2·841	2·847	2·852	2·842	2·848	2·7456
2·784	2·802	2·827	2·837	2·845	2·862	2·886	2·904	2·904	2·915	2·934	2·941	2·949	2·953	2·8577
3·004	3·002	3·026	3·046	3·050	3·074	3·078	3·061	3·053	3·047	3·043	3·029	3·003	2·979	3·0224
2·309	2·351	2·301	2·254	2·175	2·091	2·021	1·939	1·895	1·879	1·921	1·983	2·049	2·068	2 3693
2·452	2·454	2·475	2·482	2·478	2·487	2·486	2·482	—	—	—	—	—	—	2·5009
—	—	—	—	—	—	—	—	2·797	2·791	2·795	2·810	2·820	2·797	
2·862	2·874	2·874	2·882	2·876	2·873	2·866	2·868	2·878	2·849	2·836	2·816	2·786	2·752	2·8558
2·451	2·447	2·447	2·429	2·389	2·391	2·364	2·345	2·324	2·330	2·322	2·324	2·316	2·302	2·4706
2·290	2·317	2·342	2·362	2·381	2·409	2·420	2·432	2·451	2·466	2·484	2·488	2·496	2·522	2·3670
2·663	2·679	2·690	2·705	2·719	2·731	2·719	2·714	2·716	2·715	2·712	2·707	2·713	2·720	2·6688
2·680	2·691	2·699	2·706	2·708	2·740	2·749	2·749	2·754	2·750	2·766	2·763	2·769	2·761	2·7218
2·757	2·760	2·766	2·760	2·746	2·735	2·716	2·712	—	—	—	—	—	—	2·6940
—	—	—	—	—	—	—	—	2·425	2·437	2·458	2·470	2·480	2·490	
2·438	2·423	2·417	2·401	2·386	2·366	2·346	2.332	2·308	2·307	2·289	2·278	2·258	2·243	2.4100
2·152	2·170	2·179	2·205	2·218	2·232	2·246	2·259	2·247	2·229	2·229	2·213	2·213	2·215	2·1977
2·325	2·367	2·405	2·446	2·472	2·488	2·505	2·514	2·531	2·522	2·510	2·502	2·500	2·498	2·3766
2·515	2·538	2·552	2·562	2·559	2·569	2·562	2·541	2·528	2·510	2·498	2·461	2·455	2·464	2·5269
2·337	2·338	2·348	2·351	2·353	2·346	2·337	2·330	2·326	2·332	2·323	2·309	2·311	2·293	2·3676
2·224	2·250	2·282	2·288	2·308	2·328	2·338	2·366	—	—	—	—	—	—	2·3085
—	—	—	—	—	—	—	—	2·447	2·440	2·438	2·403	2·406	2·407	
2·666	2·680	2·697	2·715	2·727	2·751	2·773	2·781	2·707	2·767	2·758	2·758	2·764	2·774	2·6619
2·678	2·679	2·677	2·682	2·671	2·673	2·668	2·650	2·639	2·635	2·631	2·623	2·591	2·580	2·6952
2·5402	2·5514	2·5631	2·5705	2·5704	2·5756	2·5734	2·5702	2·5453	2·5457	2·5513	2·5515	2·5539	2·5531	2·5566

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
MARCH.	1	2·561	2·572	2·573	2·566	2·578	2·567	2·555	2·535	2·533	2·531	2·525	2·535	2·555	2·555
	2	2·680	2·715	2·759	2·766	2·770	2·783	2·781	2·774	2·777	2·777	2·794	2·81*	2·836	2·856
	3	2·897	2·903	2·913	2·911	2·904	2·898	2·899	2·885	2·880	2·874	2·865	2·880	2·876	2·884
	4	2·935	2·956	2·985	2·971	2·984	2·958	2·933	2·906	2·889	2·869	2·861	2·857	2·850	2·845
	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	2·902	2·931	2·952	2·956	2 964	2·957	2·959	2·939	2·940	2·944	2·963	2·976	2·998	3·012
	7	3·045	3·064	3·066	3·073	3·087	3·063	3·040	3·006	2·982	2·971	2·947	2·942	2·928	2·920
	8	2·706	2·779	2·769	2·758	2·727	2·714	2·682	2·666	2·631	2·631	2·632	2·642	2·656	2·680
	9	2·834	2·837	2·848	2·880	2·894	2·891	2·893	2·871	2·865	2·840	2·843	2·835	2·812	2·793
	10	2·189	2·197	2·449	2·411	2·389	2·361	2·344	2·300	2·271	2·242	2·211	2·172	2·148	2·136
	11	2·381	2·415	2·464	2·513	2·548	2·574	2·598	2·628	2·643	2·679	2·698	2·713	2·728	2·752
	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	2·507	2·513	2·521	2·502	2·489	2·471	2·440	2·403	2·390	2·380	2·368	2·364	2·384	2·414
	14	2·556	2·552	2·560	2·555	2·554	2·540	2·537	2·500	2·484	2·453	2·435	2·423	2·419	2·402
	15	2·182	2·231	2·298	2·311	2·340	2·376	2·414	2·438	2·481	2·517	2·553	2·578	2·604	2·628
	16	2·693	2·704	2·700	2·702	2·690	2·666	2·670	2·633	2·613	2·618	2·596	2·569	2·567	2·543
	17	2·305	2·291	2·291	2·289	2·274	2 261	2·257	2·246	2·237	2·242	2·241	2·270	2·291	2·296
	18	2 295	2·305	2·318	2·298	2·300	2·292	2·286	2·285	2·277	2·275	2·283	2·287	2·300	2·309
	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	2·353	2·357	2·393	2·403	2·428	2·431	2·426	2·420	2·420	2·433	2·436	2·452	2·470	2·496
	21	2·504	2·502	2·508	2·500	2·492	2·483	2·457	2·437	2·419	2·407	2·400	2·397	2·400	2·403
	22	2·303	2·290	2·272	2·267	2·248	2·221	2·190	2·172	2·169	2·166	2·162	2·169	2·184	2·193
	23	2·293	2·303	2·298	2·295	2·278	2·268	2·264	2·246	2·264	2·277	2·291	2·318	2·318	2·328
	24	2·493	2·511	2·520	2·530	2·538	2·541	2·540	2·525	2·519	2·517	2·500	2·502	2·492	2·493
	25	2·451	2·435	2·413	2·400	2·379	2·369	2·351	2·338	2·326	2·316	2·335	2·377	2·403	2·438
	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	2·851	2·859	2·808	2·755	2·762	2·749	2·714	2·667	2·647	2·598	2·554	2·515	2·478	2·440
	28	1·826	1·770	1·730	1·684	1·659	1·645	1·635	1·639	1·664	1·698	1·758	1·855	1·921	1·991
	29	2·495	2·519	2·533	2·543	2·549	2·560	2·546	2·537	2·538	2·539	2·539	2·570	2·601	2·625
	30	2·914	2·937	2·981	3·020	3·019	3·020	2·977	2·992	2·981	2·962	2·954	2·952	2·934	2·951
	31	2·753	2·739	2·685	2·693	2·654	2·610	2·594	2·568	2·538	2·528	2·504	2·500	2·477	2·464
	Hourly Means	2·5680	2·5744	2·5780	2·5761	2·5740	2·5655	2·5560	2·5391	2·5325	2·5290	2·5277	2·5336	2 5419	2·549
APRIL.	1	2·587	2·607	2·639	2·662	2·676	2·682	2·691	2·698	2·707	2·720	2·732	2·764	2·797	2·819
	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	2·938	2·940	2·940	2·951	2·958	2·951	2·931	2·914	2·891	2·871	2·861	2·862	2·877	2·871
	4	2·780	2·784	2·790	2·780	2·774	2·739	2·729	2 727	2·709	2·694	2·684	2·672	2·658	2·654
	5	2·606	2·608	2·613	2·613	2·614	2·612	2·601	2·582	2·571	2·563	2·558	2·560	2·570	2·581
	6	2·590	2·601	2·603	2·603	2·608	2·601	2·591	2·584	2·580	2·580	2·581	2·598	2·618	2·635
	7	2·684	2·717	2·714	2·717	2·697	2·666	2·634	2·616	2·547	2·516	2·483	2·453	2·412	2·386
	8	2·089	2·083	2·110	2·085	2·079	2·080	2·072	2·043	2·019	2·010	2·000	2·014	2·014	2·039
	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	2·556	2·578	2·582	2·579	2·585	2·568	2·549	2·533	2 531	2·534	2·556	2·559	2·569	2·583
	11	2·648	2·666	2·674	2·675	2·658	2·636	2·623	2·612	2·587	2·569	2·553	2·548	2·549	2·551
	12	2·656	2·662	2·665	2·682	2·685	2·683	2·688	2·679	2·671	2·665	2·667	2·678	2·670	2·666
	13	2·665	2·673	2·675	2·677	2·686	2·685	2·694	2·690	2·682	2·682	2·674	2·678	2·682	2·684
	14*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	2·524	2·540	2·538	2·540	2·521	2·510	2·502	2·498	2·487	2·477	2·478	2·474	2·500	2·52
	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	2·720	2·742	2·747	2·740	2·729	2·722	2·718	2·708	2·696	2·671	2·659	2·667	2·724	2·71
	18	2·700	2·732	2·733	2·749	2·757	2·758	2·769	2·765	2·766	2·766	2·794	2·786	2·788	2·81
	19	2·824	2·826	2·838	2·842	2·850	2·830	2·818	2·827	2·824	2·803	2·812	2 813	2·813	2·81
	20	2·844	2·882	2·880	2·893	2·909	2·888	2·870	2·857	2·858	2·863	2·861	2·846	2·848	2·84
	21	2·878	2·890	2·873	2·877	2·861	2·838	2·811	2·783	2·775	2·746	2·725	2·717	2·699	2·69
	22	2·639	2·633	2·633	2·606	2·581	2·571	2·550	2·513	2·507	2·466	2·442	2·434	2·445	2·39
	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	2·434	2·446	2·462	2·480	2·494	2·501	2·503	2·509	2·506	2·522	2·530	2·554	2·556	2·57
	25	2·61*	2·642	2·626	2·630	2·608	2·585	2·560	2·562	2·530	2·515	2·492	2·476	2·440	2·44
	26	2·306	2·291	2·301	2·285	2·266	2·253	2·254	2·262	2·253	2·258	2·255	2·267	2·269	2·2
	27	2·281	2·322	2·322	2·327	2·341	2·377	2·363	2·382	2·373	2·396	2·415	2·429	2·440	2·4
	28	2·505	2·503	2·504	2·497	2·489	2·470	2·443	2·434	2·423	2·431	2·456	2·480	2·516	2·5
	29	2·727	2·756	2·767	2·776	2·758	2·749	2·733	2·727	2·712	2·688	2·661	2·642	2·619	2·6
	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Hourly Means	2·6165	2·6302	2·6345	2·6362	2·6327	2·6235	2·6120	2·6045	2·5919	2·5836	2·5804	2·5821	2·5864	2·5

* Good Friday.

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
4	5	6	7	8	9	10	11	12	13	14	15	16	17	
2·525	2·535	2·555	2·555	2·556	2·576	2·580	2·586	2·588	2·597	2·611	2·619	2·644	2·665	2·5735
2·794	2·81*	2·836	2·856	2·866	2·879	2·893	2·888	2·888	2·898	2·905	2·911	2·905	2·897	2·8254
2·865	2·880	2·876	2·884	2·895	2·893	2·888	2·894	2·950	2·953	2·953	2·947	2·936	2·920	2·9041
2·861	2·857	2·850	2·845	2·866	2·877	2·874	2·878	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	2·831	2·843	2·864	2·854	2·858	2·876	2·8925
2·963	2·976	2·998	3·012	3 007	3·003	3·005	3·015	3·039	3·038	3·018	3·010	3·026	3·036	2·9829
2·947	2·942	2·928	2·920	2·912	2·921	2·903	2·862	2·862	2·854	2·847	2·819	2·804	2·798	2·9465
2·632	2·642	2·656	2·680	2·690	2·694	2·704	2·721	2·746	2·759	2·765	2·778	2·788	2·810	2·7174
2·843	2·835	2·812	2·793	2·776	2·772	2·773	2·765	2·727	2·654	2·646	2·626	2·566	2·537	2·7824
2·211	2·172	2·148	2·136	2·133	2·125	2·143	2·173	2·187	2·216	2·248	2·280	2·318	2·345	2·2745
2·698	2·713	2·728	2·752	2·778	2·815	2·841	2·842	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	2·658	2·637	2·614	2·578	2·559	2·553	2·6337
2·368	2·364	2·384	2·414	2·438	2·465	2·475	2·492	2·505	2·518	2·521	2·525	2·531	2·539	2·4677
2·435	2·423	2·419	2·402	2·386	2·368	2·332	2·293	2·260	2·228	2·193	2·172	2·162	2·178	2·3976
2·553	2·578	2·604	2·628	2·659	2·663	2·670	2·673	2·682	2·686	2·693	2·687	2·682	2·704	2·5314
2·596	2·569	2·567	2·543	2·552	2·512	2·490	2·491	2·456	2·431	2·394	2·362	2·346	2·312	2·5546
2·241	2·270	2·291	2·296	2·300	2·310	2·302	2·301	2·297	2·289	2·288	2·285	2·289	2·293	2·2810
2·283	2·287	2·300	2·309	2·317	2·308	2·300	2·295	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	2·345	2·342	2·334	2·335	2·345	2·348	2·3075
2·436	2·452	2·470	2·496	2·522	2·531	2·531	2·539	2·532	2·525	2·498	2·492	2·492	2·492	2·4613
2·400	2·397	2·400	2·403	2·413	2·400	2·392	2·380	2·371	2·353	2·341	2·335	2·332	2·309	2·4140
2·162	2·169	2·184	2·193	2·210	2·211	2·219	2·237	2·232	2·246	2·277	2·277	2·286	2·283	2·2285
2·291	2·318	2·318	2·328	2·336	2·353	2·351	2·360	2·384	2·397	2·408	2·422	2·448	2·471	2·3322
2·500	2·502	2·492	2·493	2·501	2·506	2·512	2·504	2·501	2·483	2·465	2·464	2·462	2·449	2·5028
2·335	2·377	2·403	2·438	2·469	2·504	2·520	2·538	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	2·944	2·936	2·905	2·902	2·882	2·876	2·5336
2·554	2·515	2·478	2·440	2·394	2·327	2·290	2·209	2·132	2·074	2·019	1·945	1·905	1·873	2·4400
1·758	1·855	1·921	1·991	2·065	2·106	2·153	2·216	2·239	2·303	2·361	2·402	2·441	2·449	1·9671
2·539	2·570	2·601	2·625	2·657	2·689	2·709	2·725	2 748	2·783	2·818	2·847	2·873	2·876	2·6425
2·954	2·952	2·934	2·951	2·945	2·928	2·929	2·911	2·885	2·869	2·849	2·829	2·793	2·757	2·9287
2·504	2·500	2·477	2·464	2·454	2·444	2·442	2·424	2·440	2·461	2·474	2·504	2·536	2·567	2·5439
2·5277	2·5356	2 5419	2·5499	2·5591	2·5622	2·5637	2·5634	2·5714	2·5694	2·5670	2·5632	2·5633	2·5634	2·5580
2·732	2·764	2·797	2·819	2·837	2·853	2·845	2·848	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	2·887	2·895	2·900	2·894	2·900	2·914	2 7731
2·861	2·862	2·877	2·871	2·874	2·854	2·829	2·822	2·824	2·828	2·811	2·798	2·789	2·782	2·8738
2·684	2·672	2·658	2·654	2·654	2·656	2·631	2·625	2·626	2·614	2·606	2·607	2·606	2·594	2·6830
2·558	2·560	2·570	2·581	2·592	2·592	2·592	2·591	2·586	2·578	2·567	2·575	2·573	2·585	2·5668
2·581	2·598	2·618	2·633	2·647	2·651	2·661	2·661	2·662	2·665	2·663	2·668	2·677	2·701	2·6261
2·483	2·453	2·412	2·380	2·360	2·328	2·270	2·225	2·190	2·155	2·123	2·111	2·101	2·091	2·4246
2·000	2·014	2·014	2·039	2·033	2·034	2·021	2·019	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	2·448	2·456	2·467	2·487	2·516	2·530	2·1562
2·556	2·559	2·569	2·583	2·599	2·616	2·618	2·623	2·617	2·609	2·611	2·617	2·621	2 653	2·5852
2·553	2·548	2·549	2·555	2·579	2·603	2·602	2·598	2·605	2·604	2·607	2·606	2·627	2·648	2·6097
2·667	2·678	2·670	2·669	2·670	2·694	2·689	2·686	2·673	2·653	2·649	2·648	2·651	2·661	2·6706
2·674	2·678	2·682	2·680	2·686	2·691	2·696	2·696	—	—	—	—	—	—	2·6428
—	—	—	—	—	—	—	—	2·541	2·533	2·515	2·513	2·515	2·519	
2·478	2·474	2·500	2·522	2·550	2·559	2·582	2·581	—	—	—	—	—	—	2·5522
—	—	—	—	—	—	—	—	2·620	2·622	2·627	2·657	2·670	2·673	
2·659	2·667	2·724	2·713	2·717	2·699	2·700	2·696	2·689	2·649	2·650	2·643	2·656	2·659	2·6964
2·794	2·786	2·788	2·811	2·821	2·829	2·829	2·829	2·825	2·810	2·800	2·794	2·806	2·810	2·7841
2·812	2 813	2·813	2·810	2·816	2·803	2·800	2·796	2·793	2·790	2·794	2·804	2·824	2·834	2·8162
2·861	2·846	2·848	2·845	2·852	2·852	2·855	2·871	2·866	2·853	2·849	2·852	2·855	2·866	2·8630
2·725	2·717	2·699	2·697	2·686	2·672	2·676	2·600	2·656	2·635	2·613	2·600	2·611	2·633	2·7340
2·442	2·434	2·445	2·393	2·375	2·356	2·341	2·323	—	—	—	—	—	—	2·4582
—	—	—	—	—	—	—	—	2·339	2·344	2·350	2·372	2·382	2·398	
2·530	2·554	2·556	2·574	2·589	2·627	2·619	2·621	2·602	2·600	2·600	2·588	2·594	2·601	2·5463
2·492	2·476	2·440	2·447	2·429	2·431	2·391	2·385	2·356	2·326	2·298	2·283	2·284	2·292	2·4664
2·255	2·267	2·269	2·283	2·253	2·255	2·269	2·279	2·253	2·259	2·262	2·257	2·244	2·244	2·2658
2·415	2·429	2·440	2·452	2·486	2·496	2·509	2·519	2·522	2·504	2·500	2·509	2·503	2·496	2·4277
2·456	2·480	2·516	2·538	2·569	2·607	2·622	2·637	2·645	2·648	2·651	2·655	2·700	2·704	2·5470
2·661	2·642	2·619	2·601	2·585	2·579	2·572	2·538	—	—	—	—	—	—	2·5721
—	—	—	—	—	—	—	—	2·240	2·241	2·249	2·268	2·271	2·272	
2·5804	2·5821	2·5864	2·5896	2·5938	2·5974	2·5925	2·5887	2·5860	2·5780	2·5734	2·5752	2·5823	2·5900	2·5984

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
MAY.	1	2·296	2·308	2·316	2·331	2·363	2·390	2·405	2·426	2·469	2·478	2·522	2·551	2·567	2·602
	2	2·867	2·876	2·907	2·916	2·934	2·930	2·924	2·919	2·909	2·904	2·898	2·904	2·901	2·912
	3	2·948	2·961	2·968	2·960	2·960	2·937	2·920	2·910	2·889	2·871	2·856	2·854	2·854	2·851
	4	2·855	2·877	2·868	2·898	2·898	2·912	2·919	2·937	2·929	2·926	2·926	2·947	2·945	2·945
	5	3·061	3·075	3·102	3·068	3·093	3·084	3·048	3·042	3·006	2·984	2·968	2·943	2·927	2·908
	6	2·735	2·729	2·699	2·664	2·663	2·649	2·615	2·600	2·571	2·546	2·513	2·522	2·500	2·472
	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	2·512	2·514	2·522	2·532	2·536	2·538	2·530	2·521	2·532	2·535	2·557	2·577	2·594	2·613
	9	2·750	2·768	2·790	2·789	2·796	2·788	2·775	2·777	2·769	2·759	2·764	2·762	2·774	2·762
	10	2·836	2·850	2·864	2·876	2·879	2·863	2·858	2·846	2·824	2·823	2·826	2·815	2·827	2·829
	11	2·841	2·850	2·851	2·845	2·844	2·836	2·825	2·807	2·786	2·767	2·774	2·772	2·762	2·760
	12	2·724	2·723	2·721	2·732	2·731	2·721	2·700	2·673	2·637	2·618	2·585	2·563	2·533	2·553
	13	2·510	2·510	2·498	2·490	2·481	2·476	2·474	2·462	2·439	2·430	2·428	2·416	2·422	2·432
	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	2·259	2·249	2·234	2·215	2·190	2·171	2·160	2·138	2·128	2·114	2·120	2·134	2·151	2·213
	16	2·466	2·472	2·478	2·471	2·481	2·477	2·477	2·475	2·475	2·481	2·500	2·534	2·567	2·596
	17	2·793	2·816	2·837	2·839	2·836	2·828	2·820	2·824	2·824	2·820	2·821	2·828	2·841	2·859
	18	2·967	2·954	2·965	2·964	2·969	2·954	2·936	2·930	2·907	2·891	2·881	2·856	2·846	2·846
	19	2·856	2·858	2·852	2·845	2·844	2·830	2·825	2·802	2·789	2·773	2·770	2·758	2·763	2·749
	20	2·692	2·694	2·693	2·679	2·667	2·656	2·635	2·610	2·585	2·562	2·549	2·526	2·520	2·500
	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	2·237	2·237	2·241	2·235	2·235	2·225	2·224	2·205	2·187	2·173	2·199	2·206	2·212	2·197
	23	2·226	2·233	2·229	2·214	2·206	2·172	2·159	2·171	2·185	2·193	2·249	2·298	2·336	2·363
	24	2·490	2·504	2·511	2·529	2·525	2·513	2·498	2·478	2·456	2·453	2·461	2·469	2·473	2·507
	25	2·627	2·637	2·636	2·624	2·640	2·639	2.626	2·610	2·585	2·587	2·584	2·576	2·566	2·566
	26	2·461	2·492	2·362	2·425	2·393	2·405	2·376	2·366	2·391	2·346	2·324	2·332	2·322	2·278
	27	2·397	2·428	2·439	2·447	2·438	2·445	2·450	2·480	2·502	2·522	2·526	2·532	2·548	2·550
	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	2·537	2·541	2·544	2·543	2·540	2·534	2·530	2·507	2·497	2·477	2·470	2·466	2·469	2·473
	30	2·477	2·469	2·463	2·460	2·441	2·412	2·412	2·448	2·427	2·426	2·418	2·401	2·411	2·417
	31	2·473	2·490	2·494	2·500	2·504	2·504	2·503	2·506	2·513	2·521	2·521	2·517	2·537	2·539
	Hourly Means	2·6257	2·6339	2·6327	2·6330	2·6329	2·6255	2·6157	2·6063	2·6004	2·5919	2·5930	2·5943	2·5988	2·6031
JUNE.	1	2·632	2·650	2·670	2·676	2·689	2·703	2·702	2·695	2·694	2·690	2·692	2·697	2·704	2·714
	2	2·785	2·781	2·781	2·765	2·735	2·706	2·662	2·617	2·556	2·555	2·517	2·495	2·479	2·456
	3	2·271	2·293	2·319	2·360	2·398	2·415	2·433	2·458	2·486	2·502	2·521	2·533	2·553	2·539
	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	2·457	2·469	2·473	2·451	2·461	2·494	2·493	2·488	2·468	2·470	2·484	2·464	2·478	2·468
	6	2·571	2·574	2·588	2·587	2·596	2·596	2·603	2·606	2·615	2·641	2·653	2·675	2·684	2·690
	7	2·856	2·885	2·887	2·869	2·890	2·875	2·880	2·881	2·863	2·850	2·861	2·844	2·831	2·832
	8	2·776	2·776	2·777	2·775	2·790	2·735	2·703	2·671	2·659	2·625	2·611	2·561	2·528	2·498
	9	2·412	2·422	2·421	2·420	2·414	2·384	2·367	2·331	2·351	2·322	2·274	2·305	2·321	2·351
	10	2·443	2·475	2·481	2·487	2·497	2·497	2·475	2·463	2·453	2·449	2·433	2·431	2·423	2·423
	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	2·750	2·757	2·762	2·750	2·743	2·730	2·713	2·672	2·660	2·639	2·612	2·588	2·562	2·553
	13	2·387	2·387	2·372	2 330	2·298	2·277	2·255	2·231	2·226	2·209	2·180	2·176	2·172	2·166
	14	2·201	2·216	2·224	2 240	2·240	2·237	2 239	2·261	2·278	2·296	2·298	2·309	2·314	2·334
	15	2·594	2·600	2·605	2·607	2·625	2·625	2·616	2·596	2·584	2·572	2·564	2·565	2·549	2·543
	16	2·436	2·462	2·475	2·474	2·500	2·526	2·523	2·516	2·518	2·514	2·511	2·521	2·527	2·561
	17	2·703	2·720	2·734	2·749	2·752	2·763	2·763	2·767	2·757	2·755	2·737	2·732	2·726	2·727
	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	2·776	2·787	2·784	2·784	2·792	2·789	2·781	2·770	2·756	2·740	2·723	2·719	2·721	2·723
	20	2·827	2·836	2·850	2·859	2·856	2·832	2·839	2·838	2·816	2·793	2·772	2·767	2·767	2·755
	21	2·825	2 815	2·824	2·823	2·810	2·801	2·790	2·760	2·749	2·736	2·712	2·696	2·696	2·694
	22	2·683	2·675	2·666	2·660	2·651	2·644	2·631	2·598	2·592	2·566	2·551	2·533	2·531	2·533
	23	2·547	2·543	2·542	2·542	2·542	2·538	2·510	2·516	2·482	2·457	2·436	2·407	2·406	2·409
	24	2·365	2·365	2·369	2·349	2·343	2·353	2·335	2·332	2·341	2·338	2·345	2·356	2·375	2·394
	25	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	2·561	2·561	2.566	2·550	2·549	2·541	2·523	2·506	2·490	2·468	2·455	2·434	2·461	2·469
	27	2·543	2·553	2·557	2·544	2·545	2·543	2·522	2·511	2·506	2·487	2·475	2·466	2·467	2·469
	28	2·480	2·480	2·488	2·495	2·495	2·463	2·461	2·448	2·443	2·416	2·408	2·407	2·407	2·409
	29	2·407	2·406	2·400	2·396	2·396	2·405	2·403	2·396	2·407	2·408	2·405	2·428	2·440	2·449
	30	2·591	2·604	2·602	2·597	2·587	2·568	2·564	2·580	2·575	2·578	2·555	2·540	2·548	2·553
	Hourly Means	2·5723	2·5805	2·5853	2·5823	2·5844	2·5785	2·5687	2·5580	2·5510	2·5414	2·5302	2·5257	2·5258	2·5291

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English inches + the numbers in the Table.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
2·567	2·602	2·649	2·681	2·699	2·717	2·734	2·754	2·762	2·778	2·808	2·835	2·5600
2·901	2·912	2·906	2·917	2·924	2·921	2·923	2·926	2·906	2·913	2·927	2·930	2·9122
2·854	2·851	2·853	2·863	2·860	2·843	2·832	2·814	2·814	2·819	2·815	2·831	2·8785
2·945	2·945	2·968	2·977	2·998	2·992	3·012	3·015	3·029	3·057	3·057	3·067	2·9564
2·927	2·908	2·904	2·902	2·880	2·860	2·829	2·815	2·803	2·777	2·757	2·747	2·9410
2·500	2·472	2·498	2·490	2·481	2·478	—	—	—	—	—	—	2·5542
—	—	—	—	—	—	2·485	2·463	2·459	2·480	2·486	2·502	
2·594	2·613	2·633	2·646	2·658	2·677	2·682	2·691	2·690	2·704	2·717	2·726	2·6019
2·774	2·762	2·788	2·822	2·823	2·815	2·816	2·814	2·807	2·811	2·810	2·822	2·7896
2·827	2·829	2·834	2·831	2·826	2·826	2·824	2·811	2·811	2·809	2·805	2·831	2·8343
2·762	2·760	2·755	2·751	2·744	2·745	2·747	2·726	2·726	2·717	2·723	2·731	2·7783
2·533	2·553	2·548	2·534	2·545	2·538	2·526	2·494	2·483	2·477	2·485	2·515	2·5983
2·422	2·432	2·455	2·456	2·466	2·464	—	—	—	—	—	—	2·4190
—	—	—	—	—	—	2·324	2·310	2·292	2·287	2·273	2·259	
2·151	2·213	2·273	2·343	2·386	2·429	2·433	2·431	2·435	2·429	2·433	2·450	2·2716
2·567	2·596	2·630	2·651	2·670	2·694	2·701	2·710	2·731	2·739	2·746	2·777	2·5833
2·841	2·859	2·871	2·887	2·891	2·892	2·881	2·896	2·904	2·911	2·940	2·950	2·3587
2·846	2·846	2·840	2·862	2·855	2·852	2·853	2·853	2·852	2·844	2·841	2·843	2·8900
2·763	2·749	2·745	2·725	2·709	2·702	2·699	2·684	2·683	2·683	2·678	2·688	2·7629
2·520	2·500	2·492	2·487	2·479	2·475	—	—	—	—	—	—	2·4932
—	—	—	—	—	—	2·231	2·225	2·214	2·211	2·222	2·232	
2·212	2·197	2·204	2·206	2·204	2·216	2·206	2·191	2·181	2·179	2·193	2·209	2·2081
2·336	2·363	2·375	2·382	2·398	2·402	2·411	2·424	2·425	2·443	2·456	2·482	2·3097
2·473	2·507	2·532	2·556	2·559	2·556	2·565	2·562	2·570	2·591	2·586	2·614	2·5229
2·566	2·566	2·560	2·542	2·519	2·515	2·519	2·483	2·482	2·452	2·477	2·471	2·5635
2·322	2·278	2·279	2·280	2·278	2·280	2·288	2·310	2·310	2·320	2·336	2·372	2·3469
2·548	2·550	2·581	2·589	2·604	2·608	—	—	—	—	—	—	2·5077
—	—	—	—	—	—	2·525	2·522	2·508	2·504	2·510	2·527	
2·469	2·473	2·477	2·486	2·490	2·493	2·489	2·488	2·485	2·474	2·475	2·481	2·4986
2·411	2·417	2·414	2·408	2·406	2·413	2·417	2·417	2·417	2·442	2·452	2·463	2·4305
2·537	2·539	2·554	2·568	2·566	2·563	2·552	2·555	2·559	2·574	2·596	2·620	2·5345
2·5988	2·6034	2·6155	2·6238	2·6266	2·6284	2·6113	2·6068	2·6054	2·6081	2·6150	2·6287	2·6140
2·704	2·714	2·736	2·746	2·765	2·767	2·758	2·771	2·766	2·760	2·772	2·777	2·7178
2·479	2·456	2·459	2·447	2·403	2·361	2·329	2·278	2·255	2·253	2·245	2·267	2·5078
2·553	2·539	2·547	2·549	2·549	2·523	—	—	—	—	—	—	2·4448
—	—	—	—	—	—	2·374	2·386	2·394	2·400	2·426	2·447	
2·478	2·468	2·472	2·508	2·506	2·515	2·523	2·523	2·523	2·537	2·537	2·556	2·4924
2·684	2·690	2·701	2·725	2·733	2·751	2·758	2·761	2·765	2·782	2·816	2·844	2·6798
2·831	2·832	2·850	2·846	2·840	2·821	2·837	2·797	2·783	2·778	2·787	2·792	2·8431
2·528	2·498	2·474	2·448	2·422	2·416	2·408	2·404	2·404	2·398	2 390	2·396	2·5685
2·321	2·351	2·362	2·357	2·356	2·375	2·383	2·412	2·399	2·421	2·421	2·438	2·3758
2·423	2·423	2·431	2·445	2·450	2·455	—	—	—	—	—	—	2·5220
—	—	—	—	—	—	2·710	2·710	2·719	2·725	2·719	2·734	
2·562	2·553	2·539	2·532	2·517	2·507	2·490	2·466	2·446	2·434	2·417	2·403	2·5934
2·172	2·166	2·172	2·198	2·195	2·191	2·185	2·180	2·174	2·175	2·174	2·190	2·2292
2·314	2·334	2·354	2·415	2·434	2·453	2·468	2·463	2·498	2·510	2·545	2·574	2·3500
2·549	2·543	2·537	2·531	2·522	2·520	2·506	2·469	2·451	2·446	2·444	2·440	2·5463
2·527	2·561	2·565	2·588	2·596	2·606	2·620	2·628	2·633	2·642	2·667	2·695	2·5543
2·726	2·727	2·729	2·762	2·761	2·764	—	—	—	—	—	—	2·7428
—	—	—	—	—	—	2·727	2·726	2·730	2·733	2·741	2·768	
2·721	2·729	2·735	2·755	2·762	2·733	2·777	2·772	2·761	2·759	2·776	2·795	2·7632
2·767	2·755	2·756	2·760	2·749	2·761	2·772	2·780	2·803	2·814	2·818	2·823	2·8018
2·696	2·694	2·683	2·679	2·671	2·669	2·658	2·693	2·665	2·670	2·669	2·677	2·7265
2·531	2·533	2·544	2·553	2·564	2·561	2·553	2·548	2·537	2·533	2·526	2·528	2·5817
2·406	2·409	2·407	2·421	2·414	2·411	2·399	2·374	2·358	2·342	2·334	2·367	2·4460
2·375	2·395	2·411	2·418	2·427	2·447	—	—	—	—	—	—	2·4071
—	—	—	—	—	—	2·463	2·465	2·507	2·540	2·570	2·561	
2·461	2·469	2·491	2·494	2·505	2·519	2·522	2·512	2·506	2·515	2·524	2·525	2·5111
2·467	2·469	2·490	2·490	2·488	2·478	2·483	2·482	2·469	2·459	2·462	2·471	2·4983
2·407	2·400	2·390	2·394	2·399	2·402	2·404	2·401	2·391	2·395	2·400	2·401	2·4278
2·440	2·449	2·459	2·490	2·511	2·528	2·539	2·544	2·543	2·539	2·548	2·572	2·4591
2·548	2·557	2·551	2·549	2·539	2·546	2·539	2·517	2·524	2·540	2·530	2·543	2·5602
2·5258	2·5275	2·5325	2·5423	2·5415	2·5431	2·5456	2·5397	2·5386	2·5423	2·5492	2·5609	2·5520

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English inches + the numbers in the Table.

		Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
		Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
JULY.	1		2·533	2·547	2·558	2·552	2·543	2·534	2·524	2·498	2·477	2·452	2·441	2·419	2·395	2·382
	2		—	—	—	—	—	—	—	—	—	—	—	—	—	—
	3		2·726	2·746	2·747	2·745	2·732	2·729	2·725	2·714	2·704	2·685	2·669	2·659	2·660	2·675
	4		2·702	2·690	2·684	2·669	2·626	2·612	2·579	2·562	2·551	2·517	2·507	2·499	2·499	2·529
	5		2·678	2·698	2·713	2·701	2·706	2·711	2·717	2·709	2·701	2·687	2·678	2·674	2·677	2·689
	6		2·774	2·782	2·779	2·773	2·771	2·770	2·763	2·743	2·713	2·690	2·679	2·672	2·676	2·668
	7		2·468	2·417	2·386	2·383	2·355	2·374	2·412	2·409	2·413	2·424	2·433	2·436	2·458	2·465
	8		2·498	2·498	2·504	2·485	2·468	2·462	2·464	2·463	2·464	2·476	2·475	2·471	2·486	2·502
	9		—	—	—	—	—	—	—	—	—	—	—	—	—	—
	10		2·349	2·371	2·388	2·386	2·398	2·406	2·412	2·411	2·415	2·420	2·441	2·467	2·483	2·505
	11		2·676	2·682	2·699	2·705	2·709	2·717	2·719	2·708	2·704	2·701	2·697	2·698	2·705	2·716
	12		2·871	2·885	2·906	2·919	2·916	2·909	2·903	2·899	2·898	2·893	2·871	2·866	2·865	2·869
	13		2·906	2·936	2·941	2·938	2·935	2·931	2·922	2·921	2·917	2·906	2·897	2·878	2·864	2·864
	14		2·851	2·859	2·865	2·855	2·862	2·850	2·832	2·817	2·811	2·743	2·742	2·738	2·738	2·760
	15		2·725	2·749	2·732	2·700	2·709	2·721	2·715	2·716	2·706	2·702	2·671	2·661	2·647	2·655
	16		—	—	—	—	—	—	—	—	—	—	—	—	—	—
	17		2·443	2·421	2·425	2·435	2·399	2·367	2·350	2·350	2·323	2·307	2·334	2·319	2·319	2·317
	18		2·426	2·426	2·438	2·432	2·442	2·438	2·438	2·429	2·418	2·416	2·432	2·446	2·462	2·460
	19		2·577	2·600	2·610	2·616	2·620	2·624	2·626	2·618	2·617	2·611	2·603	2·583	2·611	2·625
	20		2·725	2·735	2·748	2·752	2·744	2·728	2·714	2·702	2·694	2·671	2·659	2·634	2·641	2·041
	21		2·663	2·671	2·668	2·667	2·661	2·658	2·647	2·632	2·611	2·605	2·597	2·593	2·590	2·602
	22		2·651	2·649	2·655	2·666	2·664	2·663	2·649	2·640	2·635	2·622	2·620	2·606	2·598	2·600
	23		—	—	—	—	—	—	—	—	—	—	—	—	—	—
	24		2·437	2·448	2·452	2·463	2·471	2·488	2·497	2·497	2·512	2·529	2·532	2·539	2·554	2·579
	25		2·699	2·713	2·720	2·730	2·738	2·725	2·713	2·705	2·698	2·681	2·690	2·680	2·676	2·676
	26		2·683	2·671	2·655	2·644	2·626	2·622	2·605	2·590	2·561	2·555	2·525	2·519	2·633	2·577
	27		2·736	2·766	2·785	2·786	2·793	2·797	2·798	2·782	2·758	2·748	2·736	2·714	2·719	2·716
	28		2·505	2·497	2·496	2·464	2·446	2·411	2·375	2·338	2·321	2·310	2·312	2·337	2·357	2·342
	29		2·483	2·498	2·534	2·549	2·565	2·585	2·611	2·615	2·615	2·611	2·595	2·589	2·592	2·594
	30		—	—	—	—	—	—	—	—	—	—	—	—	—	—
	31		2·672	2·678	2·677	2·675	2·680	2·664	2·673	2·673	2·665	2·655	2·650	2·651	2·651	2·651
Hourly Means			2·6330	2·6397	2·6448	2·6419	2·6377	2·6345	2·6297	2·6208	2·6116	2·6010	2·5956	2·5910	2·5983	2·6023
AUGUST.	1		2·700	2·702	2·713	2·710	2·711	2·703	2·703	2·688	2·674	2·660	2·645	2·633	2·632	2·636
	2		2·681	2·692	2·718	2·717	2·707	2·709	2·703	2·684	2·674	2·671	2·664	2·664	2·667	2·665
	3		2·764	2·778	2·791	2·802	2·813	2·810	2·807	2·809	2·802	2·801	2·804	2·799	2·799	2·813
	4		2·931	2·939	2·952	2·956	2·961	2·956	2·956	2·948	2·945	2·938	2·938	2·930	2·918	2·918
	5		2·925	2·929	2·933	2·929	2·917	2·912	2·901	2·889	2·880	2·852	2·841	2·833	2·817	2·815
	6		—	—	—	—	—	—	—	—	—	—	—	—	—	—
	7		2·588	2·594	2·591	2·594	2·601	2·588	2·592	2·585	2·575	2·571	2·559	2·567	2·577	2·580
	8		2·595	2·623	2·633	2·637	2·647	2·648	2·641	2·639	2·636	2·630	2·620	2·610	2·620	2·629
	9		2·739	2·741	2·747	2·749	2·752	2·738	2·736	2·743	2·725	2·720	2·712	2·705	2·711	2·717
	10		2·731	2·723	2·721	2·719	2·712	2·705	2·695	2·680	2·664	2·655	2·647	2·641	2·637	2·635
	11		2·636	2·668	2·667	2·672	2·666	2·659	2·652	2·647	2·637	2·632	2·629	2·624	2·631	2·647
	12		2·692	2·696	2·696	2·694	2·693	2·682	2·678	2·661	2·642	2·643	2·639	2·624	2·020	2·620
	13		—	—	—	—	—	—	—	—	—	—	—	—	—	—
	14		2·329	2·319	2·293	2·255	2·259	2·265	2·259	2·259	2·264	2·283	2·289	2·311	2·328	2·347
	15		2·518	2·540	2·550	2·558	2·561	2·572	2·583	2·593	2·586	2·572	2·566	2·562	2·562	2·568
	16		2·591	2·590	2·583	2·582	2·580	2·567	2·552	2·540	2·527	2·516	2·501	2·498	2·498	2·506
	17		2·453	2·463	2·485	2·495	2·500	2·509	2·509	2·509	2·508	2·495	2·486	2·485	2·482	2·488
	18		2·610	2·618	2·630	2·638	2·638	2·642	2·642	2·633	2·617	2·623	2·610	2·614	2·634	2·648
	19		2·759	2·771	2·761	2·761	2·757	2·754	2·747	2·742	2·727	2·719	2·715	2·711	2·709	2·717
	20		—	—	—	—	—	—	—	—	—	—	—	—	—	—
	21		2·817	2·833	2·847	2·853	2·854	2·852	2·843	2·833	2·824	2·826	2·819	2·818	2·818	2·830
	22		2·824	2·844	2·834	2·817	2·810	2·805	2·793	2·781	2·768	2·751	2·746	2·739	2·739	2·721
	23		2·696	2·705	2·705	2·702	2·701	2·699	2·695	2·678	2·660	2·645	2·639	2·629	2·637	2·645
	24		2·699	2·707	2·706	2·705	2·708	2·713	2·713	2·711	2·698	2·688	2·683	2·681	2·681	2·675
	25		2·723	2·729	2·729	2·728	2·712	2·710	2·721	2·688	2·678	2·663	2·652	2·641	2·631	2·631
	26		2·651	2·657	2·667	2·667	2·673	2·676	2·674	2·666	2·657	2·651	2·650	2·654	2·652	2·656
	27		—	—	—	—	—	—	—	—	—	—	—	—	—	—
	28		2·747	2·757	2·767	2·771	2·781	2·787	2·788	2·783	2·782	2·779	2·777	2·775	2·775	2·783
	29		2·846	2·850	2·858	2·863	2·859	2·856	2·845	2·837	2·824	2·813	2·799	2·792	2·780	2·786
	30		2·780	2·770	2·776	2·774	2·770	2·762	2·745	2·730	2·708	2·696	2·687	2·678	2·674	2·669
	31		2·680	2·685	2·682	2·679	2·680	2·668	2·654	2·643	2·622	2·603	2·602	2·593	2·600	2·600
Hourly Means			2·6935	2·7009	2·7050	2·7047	2·7040	2·7017	2·6973	2·6889	2·6779	2·6702	2·6637	2·6592	2·6603	2·6644

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
2·395	2·382	2·380	2·385	2·385	2·389	—	—	—	—	—	—	2·4663
—	—	—	—	—	—	2·642	2·649	2·659	2·675	2·685	2·710	2·6700
2·660	2·675	2·673	2·685	2·696	2·699	2·705	2·696	2·687	2·686	2·684	2·699	2·7011
2·499	2·529	2·549	2·556	2·564	2·568	2·576	2·580	2·598	2·626	2·633	2·648	2·5885
2·677	2·689	2·696	2·717	2·721	2·730	2·726	2·726	2·727	2·736	2·753	2·762	2·7097
2·676	2·668	2·674	2·668	2·650	2·643	2·625	2·613	2·576	2·558	2·553	2·497	2·6792
2·458	2·465	2·485	2·500	2·510	2·517	2·518	2·521	2·507	2·504	2·498	2·498	2·4538
2·486	2·502	2·511	2·542	2·550	2·547	—	—	—	—	—	—	2·4616
—	—	—	—	—	—	2·394	2·388	2·380	2·354	2·347	2·349	
2·483	2·505	2·532	2·560	2·569	2·577	2·591	2·614	2·624	2·630	2·645	2·659	2·4952
2·705	2·716	2·734	2·776	2·782	2·791	2·792	2·793	2·814	2·815	2·826	2·857	2·7423
2·865	2·869	2·864	2·877	2·881	2·898	2·903	2·883	2·884	2·886	2·889	2·906	2·8891
2·864	2·864	2·853	2·862	2·863	2·865	2·867	2·865	2·858	2·856	2·857	2·854	2·8898
2·738	2·760	2·752	2·789	2·770	2·761	2·753	2·753	2·746	2·728	2·748	2·739	2·7868
2·647	2·655	2·659	2·653	2·645	2·637	—	—	—	—	—	—	2·6242
—	—	—	—	—	—	2·449	2·439	2·425	2·416	2·412	2·436	
2·319	2·317	2·323	2·356	2·352	2·385	2·401	2·407	2·373	2·374	2·390	2·396	2·3694
2·462	2·460	2·476	2·478	2·481	2·485	2·490	2·501	2·510	2·515	2·522	2·559	2·4633
2·611	2·625	2·638	2·650	2·659	2·662	2·675	2·668	2·677	2·679	2·702	2·723	2·6364
2·641	2·641	2·650	2·670	2·669	2·665	2·664	2·651	2·651	2·651	2·658	2·656	2·6822
2·590	2.602	2·603	2·617	2·621	2·631	2·630	2·621	2·618	2·616	2·620	2·643	2·6285
2·598	2·600	2·599	2·600	2·603	2·605	—	—	—	—	—	—	2·5788
—	—	—	—	—	—	2·442	2·423	2·422	2·416	2·425	2·439	
2·554	2·579	2·598	2·610	2·632	2·635	2·641	2·646	2·648	2·653	2·660	2·679	2·5583
2·676	2·676	2·687	2·691	2·670	2·666	2·667	2·665	2·672	2·696	2·695	2·682	2·6935
2·633	2·577	2·589	2·609	2·620	2·624	2·635	2·627	2·640	2·640	2·697	2·716	2·6193
2·719	2·716	2·701	2·692	2·670	2·635	2·621	2·594	2·576	2·550	2·531	2·531	2·6973
2·357	2·342	2·335	2·349	2·378	2·394	2·389	2·390	2·396	2·402	2·434	2·459	2·3932
2·592	2·594	2·603	2·617	2·620	2·625	—	—	—	—	—	—	2·5970
—	—	—	—	—	—	2·622	2·623	2·630	2·638	2·653	2·662	
2·651	2·651	2·669	2·673	2·680	2·676	2·682	2·681	2·685	2·687	2·691	2·696	2·6723
2·5983	2·6023	2·6090	2·6224	2·6247	2·6273	2·6192	2·6160	2·6147	2·6149	2·6234	2·6329	2·6203
2·632	2·636	2·633	2·651	2·657	2·654	2·654	2·648	2·649	2·642	2·656	2·675	2·6679
2·667	2·665	2·675	2·683	2·683	2·685	2·690	2·687	2·702	2·707	2·719	2·756	2·6918
2·799	2·813	2·822	2·835	2·849	2·860	2·867	2·884	2·889	2·897	2·910	2·919	2·8302
2·918	2·918	2·931	2·936	2·925	2·926	2·912	2·910	2·903	2·906	2·907	2·907	2·9312
2·817	2·815	2·818	2·816	2·810	2·793	—	—	—	—	—	—	2·7966
—	—	—	—	—	—	2·610	2·589	2·579	2·577	2·575	2·577	
2·577	2·580	2·582	2·585	2·592	2·594	2·600	2·590	2·592	2·593	2·594	2·595	2·5866
2·620	2·629	2·657	2·672	2·689	2·700	2·703	2·704	2·701	2·695	2·708	2·712	2·6562
2·711	2·717	2·724	2·721	2·715	2·715	2·716	2·700	2·699	2·703	2·711	2·740	2·7241
2·637	2·635	2·636	2·642	2·633	2·640	2·635	2·633	2·629	2·626	2·628	2·647	2·6631
2·631	2·647	2·655	2·657	2·653	2·650	2·663	2·654	2·655	2·653	2·666	2·686	2·6533
2·620	2·620	2·617	2·630	2·625	2·621	—	—	—	—	—	—	2·5887
—	—	—	—	—	—	2·430	2·427	2·424	2·378	2·356	2·341	
2·328	2·347	2·373	2·403	2·412	2·423	2·424	2·435	2·450	2·453	2·467	2·496	2·3498
2·562	2·568	2·573	2·568	2·565	2·561	2·561	2·564	2·568	2·569	2·574	2·585	2·5658
2·498	2·506	2·503	2·481	2·482	2·483	2·452	2·466	2·484	2·477	2·500	2·464	2·5176
2·482	2·488	2·501	2·499	2·498	2·482	2·525	2·538	2·544	2·549	2·569	2·581	2·5064
2·634	2·648	2·669	2·673	2·674	2·692	2·709	2·703	2·701	2·705	2·722	2·734	2·6575
2·709	2·717	2·734	2·742	2·733	2·729	—	—	—	—	—	—	2·7494
—	—	—	—	—	—	2·778	2·776	2·777	2·776	2·780	2·811	
2·818	2·830	2·843	2·843	2·841	2·843	2·834	2·834	2·822	2·823	2·826	2·824	2·8333
2·739	2·721	2·739	2·730	2·721	2·717	2·718	2·710	2·708	2·677	2·680	2·690	2·7526
2·637	2·645	2·653	2·652	2·656	2·658	2·648	2·647	2·643	2·654	2·659	2·674	2·6658
2·681	2·675	2·693	2·696	2·710	2·715	2·719	2·719	2·724	2·728	2·320	2·715	2·7045
2·631	2·631	2·636	2·639	2·625	2·625	2·625	2·628	2·630	2·632	2·625	2·638	2·6641
2·652	2·656	2·667	2·667	2·677	2·685	—	—	—	—	—	—	2·6709
—	—	—	—	—	—	2·699	2·697	2·683	2·666	2·700	2·710	
2·775	2·783	2·795	2·803	2·804	2·819	2·821	2·812	2·813	2·811	2·815	2·820	2·7902
2·780	2·786	2·785	2·772	2·768	2·769	2·777	2·766	2·767	2·755	2·764	2·756	2·8036
2·674	2·669	2·673	2·676	2·680	2·680	2·677	2·960	2·658	2·655	2·661	2·668	2·7045
2·600	2·600	2·615	2·629	2·625	2·616	2·621	2·614	2·609	2·603	2·629	2·638	2.6329
2·6603	2·6646	2·6741	2·6778	2·6779	2·6791	2·6692	2·6665	2·6668	2·6633	2·6711	2·6800	2·6799

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English inches + the numbers in the Table.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
SEPTEMBER.	1	2·651	2·655	2·655	2·665	2·659	2·647	2·633	2·620	2·604	2·590	2·582	2·578	2·578	2·582
	2	2·588	2·588	2·592	2·583	2·567	2·581	2·562	2·550	2·546	2·543	2·535	2·535	2·535	2·537
	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	2·440	2·453	2·474	2·474	2·482	2·482	2·479	2·474	2·471	2·478	2·482	2·496	2·528	2·545
	5	2·710	2·719	2·754	2·765	2·771	2·771	2·764	2·749	2·738	2·732	2·732	2·746	2·748	2·755
	6	2·803	2·819	2·822	2·832	2·839	2·835	2·820	2·822	2·815	2·805	2·797	2·798	2·793	2·799
	7	2·788	2·788	2·804	2·812	2·814	2·814	2·807	2·801	2·799	2·794	2·794	2·777	2·795	2·796
	8	2·689	2·677	2·684	2·667	2·643	2·616	2·588	2·571	2·557	2·545	2·549	2·573	2·586	2·598
	9	2·834	2·844	2·851	2·853	2·851	2·843	2·837	2·831	2·819	2·815	2·818	2·841	2·863	2·890
	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	2·771	2·771	2·777	2·786	2·788	2·781	2·773	2·761	2·744	2·734	2·734	2·738	2·745	2·752
	12	2·882	2·890	2·900	2·903	2·906	2·894	2·883	2·874	2·867	2·864	2·846	2·846	2·844	2·842
	13	2·836	2·834	2·830	2·841	2·833	2·808	2·796	2·778	2·775	2·745	2·745	2·729	2·727	2·721
	14	2·675	2·701	2·709	2·713	2·715	2·701	2·703	2·691	2·673	2·647	2·640	2·620	2·598	2·585
	15	2·314	2·286	2·258	2·238	2·214	2·231	2·240	2·253	2·271	2·274	2·281	2·296	2·309	2·333
	16	2·437	2·459	2·467	2·476	2·492	2·484	2·481	2·485	2·470	2·475	2·472	2·474	2·474	2·486
	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	2·563	2·579	2·609	2·623	2·633	2·664	2·658	2·669	2·666	2·680	2·699	2·716	2·741	2·791
	19	2·934	2·967	2·984	2·985	2·986	2·997	3·016	3·002	3·000	3·000	2·991	2·995	3·005	3·004
	20	2·972	2·970	2·977	2·969	2·958	2·942	2·904	2·875	2·855	2·822	2·800	2·789	2·771	2·768
	21	2·650	2·637	2·621	2·605	2·582	2·567	2·533	2·516	2·505	2·492	2·530	2·548	2·558	2·601
	22	2·836	2·851	2·848	2·848	2·832	2·824	2·807	2·782	2·778	2·748	2·728	2·723	2·693	2·699
	23	2·572	2·577	2·569	2·559	2·540	2·525	2·496	2·475	2·454	2·448	2·435	2·434	2·433	2·443
	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	2·501	2·502	2·500	2·489	2·503	2·493	2·486	2·476	2·462	2·460	2·480	2·484	2·498	2·519
	26	2·632	2·662	2·663	2·675	2·689	2·675	2·671	2·687	2·693	2·701	2·711	2·725	2·733	2·752
	27	2·914	2·939	2·943	2·951	2·929	2·929	2·928	2·908	2·903	2·887	2·882	2·886	2·879	2·875
	28	2·884	2·888	2·871	2·871	2·856	2·854	2·832	2·829	2·808	2·800	2·795	2·779	2·773	2·781
	29	2·817	2·841	2·851	2·851	2·843	2·842	2·840	2·825	2·812	2·807	2·803	2·798	2·794	2·795
	30	2·794	2·802	2·802	2·785	2·775	2·758	2·725	2·695	2·658	2·632	2·610	2·594	2·554	2·536
	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		2·7110	2·7192	2·7237	2·7238	2·7192	2·7138	2·7024	2·6923	2·6824	2·6738	2·6720	2·6739	2·6752	2·6846
OCTOBER.	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2	2·166	2·178	2·178	2·186	2·192	2·192	2·182	2·182	2·186	2·193	2·199	2·202	2·194	2·193
	3	2·150	2·175	2·186	2·186	2·180	2·172	2·172	2·172	2·186	2·186	2·197	2·229	2·238	2·248
	4	2·374	2·410	2·432	2·444	2·457	2·454	2·475	2·460	2·478	2·491	2·504	2·534	2·562	2·574
	5	2·707	2·733	2·756	2·769	2·769	2·766	2·743	2·726	2·703	2·695	2·672	2·652	2·636	2·636
	6	2·576	2·586	2·576	2·568	2·553	2·532	2·500	2·487	2·463	2·448	2·440	2·428	2·416	2·417
	7	2·243	2·243	2·231	2·205	2·171	2·152	2·112	2·086	2·070	2·068	2·068	2·054	2·050	2·054
	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	2·371	2·393	2·387	2·381	2·383	2·383	2·372	2·355	2·356	2·356	2·374	2·380	2·388	2·396
	10	2·481	2·485	2·489	2·500	2·495	2·506	2·494	2·480	2·458	2·447	2·435	2·429	2·433	2·445
	11	2·422	2·428	2·449	2·443	2·443	2·443	2·441	2·449	2·444	2·449	2 449	2·465	2·465	2·479
	12	2·480	2·506	2·505	2·505	2·502	2·522	2·529	2·547	2·561	2·503	2·625	2·649	2·659	2·671
	13	2·656	2·681	2·669	2·669	2·669	2·668	2·659	2·662	2·656	2·658	2·665	2·684	2·694	2·709
	14	2·812	2·832	2·852	2·863	2·869	2·877	2·861	2·844	2·836	2·824	2·834	2·838	2·848	2·856
	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	2·493	2·513	2·523	2·525	2·524	2·521	2·515	2·510	2·509	2·505	2·504	2·502	2·498	2·496
	17	2·342	2·342	2·332	2·332	2·332	2·319	2·306	2·298	2·294	2·298	2·304	2·320	2·334	2·345
	18	2·359	2·379	2·387	2·381	2·368	2·354	2·340	2·318	2·312	2·306	2·312	2·303	2·305	2·319
	19	2·615	2·650	2·687	2·714	2·727	2·733	2·721	2·715	2·708	2·707	2·707	2·713	2·721	2·720
	20	2·597	2·561	2·523	2·497	2·455	2·416	2·356	2·320	2·293	2·265	2·245	2·237	2·227	2·217
	21	2·126	2·189	2·243	2·277	2·311	2·353	2·377	2·393	2·403	2·437	2·470	2·491	2·509	2·534
	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	2·770	2·800	2·820	2·829	2·835	2·835	2·820	2·802	2·794	2·793	2·792	2·779	2·780	2·780
	24	2·810	2·822	2·823	2·808	2·806	2·794	2·775	2·766	2·742	2·719	2·701	2·694	2·681	2·661
	25	2·348	2·364	2·378	2·401	2·426	2·459	2·504	2·544	2·562	2·595	2·657	2·698	2·726	2·749
	26	2·782	2·804	2·796	2·794	2·804	2·793	2·785	2·765	2·743	2·733	2·711	2·701	2·701	2·690
	27	2·469	2·469	2·453	2·432	2·392	2·380	2·369	2·365	2·347	2·347	2·345	2·345	2·359	2·371
	28	2·592	2·642	2·683	2·697	2·728	2·723	2·726	2·738	2·737	2·752	2·758	2·768	2·773	2·777
	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	2·736	2·753	2·755	2·767	2·765	2·764	2·752	2·768	2·772	2·788	2·812	2·840	2·868	2·891
	31	2·974	3·008	3·037	3·042	3·056	3·067	3·035	3·026	3·014	3·020	3·022	3·016	3·003	2·985
Hourly Means		2·5173	2·5368	2·5442	2·5467	2·5466	2·5453	2·5354	2·5299	2·5257	2·5259	2·5308	2·5368	2·5411	2·5470

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
4	5	6	7	8	9	10	11	12	13.	14	15	16	17	
2·582	2·578	2·578	2·582	2·581	2·582	2·582	2·592	2·586	2·574	2·555	2·555	2·559	2·561	2·6011
2·535	2·533	2·535	2·537	2·549	2·557	2·555	2·552	—	—	—	—	—	—	2·5220
—	—	—	—	—	—	—	—	2·401	2·397	2·405	2·409	2·421	2·430	
2·482	2·496	2·528	2·545	2·564	2·594	2·602	2·605	2·616	2·627	2·637	2·656	2·684	2·708	2·5438
2·732	2·746	2·748	2·755	2·777	2·780	2·781	2·783	2·786	2·790	2·784	2·782	2·783	2·793	2·7622
2·797	2·796	2·793	2·799	2·801	2·807	2·797	2·797	2·787	2·770	2·764	2·758	2·766	2·776	2·8008
2·794	2·771	2·795	2·796	2·768	2·765	2·765	2·767	2·768	2·741	2·705	2·697	2·673	2·669	2·7709
2·549	2·573	2·586	2·598	2·649	2·658	2·679	2·690	2·711	2·730	2·742	2·759	2·776	2·805	2·6559
2·818	2·847	2·863	2·890	2·909	2·917	2·924	2·926	—	—	—	—	—	—	2·8309
—	—	—	—	—	—	—	—	2·753	2·745	2·741	2·734	2·740	2·756	
2·734	2·738	2·745	2·752	2·775	2·789	2·794	2·797	2·799	2·816	2·824	2·827	2·839	2·844	2·7816
2·846	2·846	2·844	2·842	2·847	2·857	2·841	2·833	2·834	2·836	2·837	2·837	2·844	2·836	2·8601
2·745	2·729	2·727	2·721	2·705	2·695	2·672	2·677	2·683	2·687	2·696	2·679	2·665	2·669	2·7427
2·640	2·620	2·598	2·585	2·569	2·545	2·527	2·504	2·489	2·461	2·436	2·416	2·388	2·352	2·5857
2·281	2·296	2·309	2·333	2·354	2·344	2·343	2·337	2·336	2·342	2·342	2·344	2·378	2·397	2·3048
2·472	2·474	2·474	2·486	2·499	2·507	2·488	2·471	—	—	—	—	—	—	2·4803
—	—	—	—	—	—	—	—	2·468	2·467	2·481	2·485	2·507	2·523	
2·699	2·716	2·741	2·791	2·812	2·816	2·831	2·859	2·864	2·874	2·875	2·886	2·906	2·913	2·7470
2·991	2·995	3·005	3·004	3·002	3·000	2·996	2·996	3·005	3·005	2·999	2·985	2·980	2·980	2·9922
2·800	2·789	2·771	2·768	2·761	2·751	2·724	2·710	2·696	2·668	2·659	2·655	2·647	2·634	2·8032
2·530	2·548	2·558	2·601	2·637	2·694	2·721	2·759	2·770	2·778	2·799	2·795	2·801	2·814	2·6464
2·728	2·723	2·693	2·699	2·695	2·694	2·692	2·685	2·638	2·624	2·600	2·588	2·572	2·572	2·7232
2·435	2·434	2·433	2·443	2·450	2·455	2·459	2·458	—	—	—	—	—	—	2·4866
—	—	—	—	—	—	—	—	2·478	2·489	2·481	2·467	2·487	2·495	
2·480	2·484	2·498	2·519	2·543	2·548	2·560	2·571	2·577	2·593	2·594	2·592	2·601	2·618	2·5271
2·711	2·725	2·733	2·752	2·770	2·805	2·821	2·833	2·848	2·863	2·867	2·884	2·890	2·892	2·7559
2·882	2·886	2·879	2·875	2·867	2·892	2·892	2·884	2·885	2·867	2·873	2·884	2·877	2·890	2·8985
2·795	2·779	2·773	2·781	2·781	2·780	2·777	2·762	2·770	2·781	2·795	2·795	2·805	2·805	2·8113
2·803	2·798	2·794	2·795	2·795	2·797	2·800	2·802	2·800	2·809	2·803	2·811	2·803	2·784	2·8135
2·610	2·594	2·554	2·536	2·504	2·474	2·445	2·439	—	—	—	—	—	—	2·5212
—	—	—	—	—	—	—	—	2·155	2·154	2·154	2·152	2·153	2·158	
2·6720	2·6739	2·6752	2·6840	2·6909	2·6963	2·6949	2·6937	2·6732	2·6726	2·6711	2·6705	2·6748	2·6802	2·6911
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2·199	2·202	2·194	2·193	2·194	2·194	2·198	2·189	2·186	2·184	2·175	2·178	2·162	2·152	2·1848
2·197	2·229	2·238	2·248	2·265	2·291	2·288	2·285	2·279	2·301	2·299	2·300	2·324	2·338	2·2353
2·504	2·534	2·562	2·574	2·603	2·621	2·617	2·628	2·640	2·644	2·648	2·656	2·668	2·682	2·5440
2·672	2·652	2·636	2·636	2·647	2·635	2·640	2·632	2·624	2·617	2·605	2·599	2·593	2·568	2·6718
2·440	2·428	2·416	2·417	2·417	2·409	2·391	2·385	2·359	2·332	2·317	2·295	2·279	2·243	2·4340
2·068	2·054	2·050	2·054	2·056	2·060	2·137	2·159	—	—	—	—	—	—	2·1826
—	—	—	—	—	—	—	—	2·350	2·370	2·355	2·354	2·367	2·367	
2·374	2·380	2·388	2·396	2·410	2·426	2·432	2·438	2·442	2·452	2·445	2·456	2·466	2·474	2·4048
2·435	2·429	2·433	2·445	2·457	2·459	2·455	2·456	2·444	2·430	2·418	2·418	2·414	2·422	2·4563
2·449	2·465	2·465	2·479	2·485	2·489	2·489	2·487	2·483	2·483	2·475	2·473	2·477	2·480	2·4621
2·625	2·649	2·659	2·671	2·683	2·689	2·686	2·677	2·682	2·685	2·672	2·666	2·667	2·656	2·6090
2·665	2·684	2·694	2·709	2·719	2·721	2·734	2·741	2·745	2·750	2·760	2·773	2·795	2·807	2·7060
2·834	2·838	2·848	2·856	2·861	2·861	2·861	2·850	—	—	—	—	—	—	2·7610
—	—	—	—	—	—	—	—	2·519	2·507	2·491	2·483	2·493	2·493	
2·504	2·502	2·498	2·496	2·490	2·472	2·461	2·448	2·437	2·422	2·414	2·388	2·369	2·356	2·4748
2·304	2·320	2·334	2·345	2·351	2·350	2·348	2·343	2·347	2·357	2·363	2·366	2·370	2·363	2·3357
2·312	2·303	2·305	2·319	2·337	2·355	2·376	2·410	2·434	2·471	2·499	2·525	2·554	2·589	2·3872
2·707	2·713	2·721	2·730	2·721	2·716	2·708	2·694	2·673	2·669	2·663	2·648	2·638	2·608	2·6911
2·245	2·237	2·227	2·217	2·217	2·207	2·199	2·183	2·183	2·170	2·154	2·124	2·102	2·094	2·2851
2·470	2·497	2·509	2·534	2·532	2·546	2·552	2·553	—	—	—	—	—	—	2·4841
—	—	—	—	—	—	—	—	2·695	2·705	2·713	2·725	2·730	2·749	
2·792	2·779	2·780	2·780	2·809	2·824	2·823	2·825	2·820	2·826	2·818	2·821	2·820	2·820	2·8098
2·701	2·694	2·681	2·661	2·653	2·640	2·617	2·573	2·541	2·512	2·491	2·457	2·418	2·386	2·6621
2·657	2·698	2·726	2·749	2·768	2·772	2·799	2·807	2·817	2·825	2·829	2·837	2·811	2·803	2·6450
2·711	2·701	2·701	2·690	2·661	2·658	2·630	2·620	2·602	2·570	2·562	2·536	2·512	2·489	2·6851
2·345	2·345	2·359	2·371	2·385	2·421	2·427	2·431	2·449	2·451	2·485	2·499	2·531	2·554	2·4198
2·758	2·768	2·773	2·777	2·777	2·772	2·762	2·755	—	—	—	—	—	—	2·7281
—	—	—	—	—	—	—	—	2·701	2·712	2·724	2·732	2·722	2·724	
2·812	2·840	2·868	2·891	2·909	2·911	2·909	2·899	2·907	2·898	2·911	2·927	2·933	2·944	2·8408
3·022	3·016	3·003	2·985	3·011	3·001	3·001	2·997	2·986	2·992	2·976	2·957	2·938	2·928	3·0038
2·5308	2·5368	2·5411	2·5470	2·5545	2·5581	2·5592	2·5563	2·5517	2·5513	2·5485	2·5459	2·5443	2·5419	2·5425

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English inches + the numbers in the Table.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
NOVEMBER.	1	2·920	2·882	2·870	2·846	2·846	2·824	2·796	2·756	2·736	2·719	2·704	2·692
	2	2·509	2·529	2·531	2·531	2·524	2·511	2·471	2·445	2·431	2·435	2·431	2·429
	3	2·728	2·757	2·773	2·773	2·789	2·796	2·786	2·781	2·781	2·788	2·808	2·819
	4	2·903	2·929	2·932	2·930	2·930	2·932	2·920	2·909	2·897	2·902	2·916	2·926
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	3·045	3·059	3·067	3·067	3·064	3·040	3·013	2·999	2·977	2·952	2·936	2·940
	7	2·720	2·727	2·736	2·736	2·728	2·725	2·703	2·690	2·679	2·675	2·669	2·659
	8	2·687	2·709	2·738	2·746	2·768	2·782	2·780	2·777	2·794	2·808	2·829	2·837
	9	2·851	2·851	2·869	2·838	2·838	2·807	2·764	2·726	2·711	2·685	2·654	2·628
	10	2·401	2·401	2·415	2·409	2·433	2·454	2·453	2·467	2·469	2·489	2·508	2·524
	11	2·415	2·415	2·379	2·353	2·351	2·343	2·351	2·344	2·356	2·370	2·408	2·430
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	2·567	2·559	2·545	2·545	2·541	2·535	2·522	2·534	2·544	2·578	2·624	2·655
	14	2·986	3·022	3·038	3·046	3·058	3·041	3·050	3·048	3·044	3·041	3·039	3·031
	15	2·825	2·819	2·805	2·781	2·799	2·756	2·711	2·699	2·675	2·666	2·652	2·646
	16	2·637	2·649	2·662	2·670	2·672	2·661	2·661	2·656	2·658	2·674	2·685	2·704
	17	2·860	2·853	2·865	2·837	2·811	2·777	2·747	2·656	2·613	2·571	2·485	2·438
	18	2·401	2·401	2·413	2·417	2·447	2·465	2·475	2·506	2·542	2·576	2·630	2·634
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	2·791	2·811	2·811	2·811	2·810	2·784	2·753	2·730	2·690	2·675	2·649	2·616
	21	2·046	2·038	2·032	2·032	2·052	2·038	2·043	2·049	2·061	2·087	2·103	2·126
	22	2·316	2·354	2·382	2·404	2·436	2·450	2·462	2·486	2·514	2·540	2·569	2·584
	23	2·587	2·579	2·571	2·561	2·541	2·502	2·462	2·418	2·395	2·364	2·342	2·304
	24	2·036	2·070	2·174	2·243	2·294	2·320	2·341	2·351	2·377	2·412	2·460	2·508
	25	2·764	2·804	2·817	2·841	2·861	2·861	2·847	2·847	2·841	2·841	2·849	2·845
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	2·943	2·951	2·975	3·000	3·008	2·998	2·983	2·975	2·946	2·957	2·971	2·970
	28	2·868	2·859	2·859	2·856	2·841	2·814	2·763	2·739	2·701	2·673	2·643	2·627
	29	2·527	2·517	2·539	2·511	2·511	2·517	2·488	2·476	2·473	2·496	2·518	2·544
	30	2·896	2·921	2·952	2·980	2·992	2·984	2·966	2·977	2·985	2·985	2·985	2·978
Hourly Means		2·6627	2·6718	2·6827	2·6832	2·6903	2·6814	2·6658	2·6554	2·6500	2·6523	2·6564	2·6575
DECEMBER.	1	2·827	2·827	2·821	2·829	2·823	2·821	2·771	2·751	2·735	2·722	2·726	2·729
	2	2·636	2·644	2·658	2·649	2·655	2·643	2·627	2·625	2·616	2·615	2·611	2·619
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	2·544	2·512	2·502	2·491	2·467	2·438	2·402	2·380	2·364	2·378	2·384	2·396
	5	2·621	2·658	2·702	2·737	2·771	2·813	2·833	2·850	2·865	2·885	2·904	2·920
	6	2·873	2·850	2·848	2·812	2·792	2·763	2·729	2·704	2·689	2·661	2·653	2·643
	7	2·474	2·446	2·446	2·426	2·404	2·380	2·348	2·325	2·314	2·324	2·339	2·359
	8	2·476	2·476	2·477	2·469	2·469	2·433	2·397	2·349	2·315	2·296	2·286	2·264
	9	2·294	2·298	2·313	2·327	2·333	2·333	2·333	2·334	2·346	2·368	2·392	2·428
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	2·216	2·240	2·272	2·321	2·354	2·353	2·353	2·368	2·382	2·396	2·421	2·437
	12	2·641	2·680	2·731	2·764	2·796	2·808	2·824	2·838	2·885	2·931	2·981	2·993
	13	3·250	3·263	3·257	3·259	3·242	3·219	3·198	3·163	3·130	3·098	3·091	3·059
	14	2·927	2·927	2·927	2·927	2·926	2·899	2·882	2·881	2·871	2·876	2·896	2·895
	15	2·971	2·979	2·991	3·008	2·992	2·990	2·989	2·983	2·980	2·978	2·976	2·975
	16	2·683	2·683	2·691	2·695	2·711	2·695	2·693	2·674	2·680	2·682	2·680	2·682
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	2·652	2·666	2·692	2·702	2·729	2·748	2·753	2·765	2·777	2·793	2·825	2·827
	19	2·868	2·854	2·816	2·876	2·876	2·842	2·831	2·811	2·787	2·787	2·794	2·794
	20	2·723	2·741	2·761	2·781	2·793	2·793	2·782	2·774	2·773	2·794	2·806	2·825
	21	2·866	2·852	2·852	2·830	2·842	2·614	2·782	2·753	2·739	2·730	2·719	2·711
	22	2 564	2·549	2·556	2·564	2·572	2·561	2·530	2·523	2·517	2·521	2·523	2·527
	23	2·581	2·596	2·598	2·610	2·624	2·610	2·596	2·592	2·588	2·590	2·590	2·588
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25*	—	—	—	—	—	—	—	—	—	—	—	—
	26	2·649	2·649	2·627	2·617	2·585	2·571	2·525	2·490	2·470	2·453	2·451	2·436
	27	2·484	2·508	2·547	2·575	2·601	2·589	2·581	2·573	2·571	2·571	2·574	2·574
	28	2·454	2·438	2·443	2·443	2·443	2·419	2·395	2·382	2·382	2·385	2·407	2·426
	29	2·566	2·579	2·610	2·645	2·655	2·655	2·638	2·622	2·620	2·624	2·624	2·638
	30	2·665	2·666	2·694	2·720	2·730	2·727	2·700	2·685	2·677	2·675	2·665	2·678
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		2·6605	2·6632	2·6759	2·6831	2·6874	2·6767	2·6597	2·6478	2·6429	2·6453	2·6527	2·6566

* Christmas Day.

12	13
6	7
2·676	2·648
2·453	2·477
2·829	2·837
2·934	2·951
—	—
2·933	2·919
2·663	2·649
2·856	2·866
2·615	2·599
2·544	2·507
2·462	2·484
—	—
2·682	2·704
3·027	3·023
2·648	2·647
2·728	2·758
2·403	2·363
2·670	2·699
—	—
2·568	2·527
2·146	2·166
2·610	2·616
2·280	2·244
2·550	2·573
2·859	2·854
—	—
2·968	2·973
2·627	2·625
2·585	2·619
2·984	2·964
2·6657	2·667
2·724	2·712
2·622	2·638
—	—
2·399	2·395
2·930	2·938
2·631	2·627
2·379	2·398
2·269	2·268
2·446	2·486
—	—
2·436	2·456
3·057	3·099
3·053	3·049
2·894	2·922
2·980	2·977
2·676	2·676
—	—
2·839	2·858
2·798	2·806
2·853	2·866
2·699	2·709
2·533	2·532
2·588	2·588
—	—
—	—
2·446	2·446
2·576	2·586
2·454	2·446
2·654	2·668
2·685	2·666
—	—
2·6648	2·666

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
2·676	2·648	2·624	2·610	2·598	2·578	2·564	2·565	2·547	2·533	2·531	2·515	2·6008
2·453	2·477	2·503	2·531	2·541	2·557	2·564	2·583	2·623	2·664	2·690	2·714	2·5282
2·829	2·837	2·836	2·836	2·836	2·856	2·863	2·875	2·889	2·894	2·892	2·902	2·8218
2·934	2·951	2·981	2·995	3·002	3·010	—	—	—	—	—	—	
—	—	—	—	—	—	3·088	3·084	3·076	3·071	3·059	3·059	2·9723
2·933	2·919	2·897	2·877	2·862	2·832	2·818	2·798	2·786	2·766	2·742	2·726	2·9215
2·663	2·649	2·639	2·629	2·629	2·621	2·617	2·614	2·622	2·624	2·637	2·659	2·6688
2·856	2·866	2·864	2·872	2·866	2·874	2·872	2·870	2·881	2·881	2·869	2·857	2·8201
2·615	2·599	2·578	2·578	2·540	2·512	2·488	2·462	2·442	2·426	2·420	2·401	2·6368
2·544	2·567	2·574	2·568	2·560	2·560	2·564	2·556	2·530	2·502	2·464	2·427	2·4933
2·462	2·484	2·512	2·542	2·561	2·577	—	—	—	—	—	—	
—	—	—	—	—	—	2·738	2·718	2·691	2·671	2·639	2·607	2·4881
2·682	2·704	2·735	2·766	2·796	2·822	2·847	2·885	2·905	2·931	2·943	2·958	2·6968
3·027	3·023	3·016	3·008	2·992	2·976	2·956	2·939	2·915	2·891	2·865	2·837	2·9954
2·648	2·647	2·646	2·644	2·642	2·643	2·641	2·637	2·635	2·631	2·636	2·628	2·6880
2·728	2·758	2·778	2·804	2·823	2·825	2·834	2·841	2·848	2·855	2·856	2·856	2·7416
2·403	2·363	2·351	2·350	2·372	2·374	2·377	2·377	2·403	2·407	2·414	2·401	2·5460
2·679	2·699	2·713	2·714	2·734	2·735	—	—	—	—	—	—	
—	—	—	—	—	—	2·706	2·800	2·800	2·802	2·798	2·796	2·6239
2·568	2·527	2·485	2·435	2·388	2·340	2·295	2·259	2·213	2·164	2·121	2·074	2·5338
2·146	2·166	2·187	2·200	2·218	2·224	2·224	2·251	2·273	2·273	2·284	2·294	2·1436
2·610	2·616	2·624	2·636	2·630	2·619	2·634	2·632	2·624	2·626	2·622	2·599	2·5404
2·280	2·244	2·217	2·182	2·130	2·100	2·068	2·046	2·041	2·026	2·021	2·031	2·2922
2·550	2·573	2·603	2·622	2·652	2·670	2·684	2·693	2·727	2·741	2·756	2·756	2·4839
2·859	2·854	2·852	2·855	2·852	2·849	—	—	—	—	—	—	
—	—	—	—	—	—	2·865	2·86	2·884	2·887	2·903	2·933	2·8532
2·968	2·973	2·971	2·961	2·950	2·951	2·936	2·926	2·928	2·912	2·904	2·876	2·9555
2·627	2·625	2·625	2·629	2·623	2·619	2·595	2·587	2·573	2·549	2·525	2·525	2·6812
2·585	2·619	2·645	2·673	2·694	2·712	2·729	2·759	2·789	2·821	2·862	2·876	2·6200
2·984	2·964	2·942	2·934	2·932	2·922	2·897	2·889	2·879	2·863	2·841	2·811	2·9358
2·6657	2·6674	2·6692	2·6712	2·6701	2·6676	2·6752	2·6737	2·6740	2·6697	2·6653	2·6584	2·6682
2·724	2·712	2·716	2·701	2·701	2·685	2·678	2·676	2·674	2·670	2·640	2·628	2·7324
2·622	2·638	2·640	2·649	2·657	2·668	—	—	—	—	—	—	
—	—	—	—	—	—	2·622	2·614	2·614	2·599	2·581	2·559	2·6275
2·399	2·395	2·403	2·399	2·411	2·427	2·433	2·433	2·461	2·503	2·537	2·579	2·4432
2·930	2·938	2·938	2·949	2·949	2·950	2·948	2·948	2·939	2·926	2·908	2·895	2·8653
2·631	2·627	2·623	2·603	2·593	2·583	2·572	2·543	2·543	2·516	2·498	2·482	2·6596
2·379	2·398	2·420	2·434	2·440	2·470	2·472	2·483	2·499	2·496	2·496	2·484	2·4190
2·269	2·268	2·252	2·237	2·225	2·221	2·221	2·221	2·251	2·261	2·271	2·272	2·3198
2·446	2·480	2·493	2·504	2·517	2·535	—	—	—	—	—	—	
—	—	—	—	—	—	2·345	2·309	2·270	2·243	2·219	2·202	2·3609
2·436	2·450	2·462	2·452	2·452	2·479	2·480	2·493	2·515	2·527	2·565	2·607	2·4176
3·057	3·095	3·131	3·156	3·170	3·196	3·217	3·211	3·231	3·232	3·226	3·241	3·0015
3·053	3·046	3·032	3·009	2·995	2·987	2·977	2·959	2·957	2·949	2·944	2·927	3·0860
2·894	2·923	2·899	2·917	2·927	2·931	2·939	2·947	2·965	2·978	2·976	2·962	2·9205
2·980	2·972	2·962	2·931	2·904	2·864	2·816	2·798	2·760	2·738	2·722	2·701	2·9150
2·676	2·674	2·658	2·658	2·615	2·577	—	—	—	—	—	—	
—	—	—	—	—	—	2·659	2·653	2·638	2·650	2·644	2·640	2·6663
2·839	2·859	2·883	2·901	2·893	2·880	2·864	2·881	2·886	2·886	2·877	2·864	2·8101
2·798	2·802	2·798	2·793	2·789	2·777	2·751	2·747	2·759	2·755	2·745	2·741	2·8021
2·853	2·868	2·866	2·866	2·878	2·904	2·903	2·899	2·899	2·888	2·876	2·866	2·8297
2·699	2·700	2·668	2·663	2·655	2·647	2·632	2·620	3·618	2·613	2·603	2·580	2·7162
2·533	2·533	2·536	2·530	2·547	2·549	2·546	2·548	2·566	2·575	2·577	2·577	2·5468
2·588	2·588	2·582	2·577	2·575	2·575	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	3·6228
—	—	—	—	—	—	2·748	2·736	2·734	2·699	2·699	2·683	
2·446	2·449	2·443	2·435	2·432	2·434	2·424	2·420	2·445	2·445	2·457	2·454	2·4920
2·576	2·586	2·583	2·569	2·556	2·535	2·527	2·509	2·494	2·484	2·476	2·454	2·5457
2·454	2·474	2·478	2·482	2·497	2·503	2·513	2·525	2·539	2·551	2·549	2·550	2·4638
2·654	2·656	2·676	2·676	2·666	2·670	2·656	2·663	2·674	2·679	2·672	2·665	2·6454
2·685	2·687	2·689	2·690	2·694	2·698	—	—	—	—	—	—	
—	—	—	—	—	—	2·890	2·886	2·896	2·888	2·882	2·880	2·7395
2·6648	2·6727	2·6732	2·6712	2·6695	2·6694	2·6733	2·6689	2·6731	2·6700	2·6656	2·6593	2·6659

STANDARD THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
JANUARY.	2	22·7	24·2	25·2	26·9	29·5	30·9	31·0	30·5	29·9	29·2	28·7	28·0
	3	11·6	10·2	9·9	10·9	11·6	12·8	13·2	14·3	15·0	14·8	12·7	11·3
	4	9·7	9·8	10·4	11·5	14·2	17·5	18·6	21·1	21·2	21·8	21·4	21·2
	5	24·3	24·4	24·9	26·2	29·2	32·6	33·1	33·2	33·1	32·5	32·4	31·9
	6	31·4	32·0	31·6	32·2	32·6	34·2	35·4	36·6	37·5	38·1	38·2	38·4
	7	40·2	39·2	39·2	40·7	41·9	42·5	42·5	41·9	42·9	41·8	40·7	38·8
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	21·8	21·5	21·4	24·0	26·2	27·2	29·8	29·8	30·8	29·7	29·2	28·0
	10	32·2	32·3	32·6	33·2	34·2	34·6	34·8	34·7	34·8	35·0	35·0	34·4
	11	27·9	27·2	27·4	29·4	29·7	30·6	32·0	32·2	32·8	32·8	32·3	32·1
	12	30·1	30·2	30·2	30·5	31·2	32·0	32·0	32·0	32·4	33·1	33·1	33·2
	13	33·4	33·3	33·5	33·7	33·7	33·7	33·5	33·2	31·4	28·0	26·7	25·5
	14	25·4	24·6	23·9	23·6	24·0	24·9	25·5	25·5	26·0	25·5	24·5	23·2
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	29·4	27·8	26·3	24·3	23·9	23·6	23·8	23·9	23·8	23·7	23·5	23·6
	17	20·4	20·4	21·6	24·4	26·9	27·7	28·2	28·5	28·1	27·7	26·8	26·4
	18	27·9	27·2	29·6	31·2	36·3	36·8	39·0	40·7	42·0	43·7	43·7	38·2
	19	36·1	37·4	37·4	38·4	37·8	39·5	39·9	41·8	42·2	42·0	41·7	41·6
	20	37·7	37·6	38·4	37·3	38·0	38·7	40·0	38·8	38·8	37·8	39·8	38·8
	21	35·4	34·1	38·2	39·5	42·0	48·0	48·7	48·5	50·2	54·8	53·7	50·5
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	28·1	30·6	30·4	30·3	32·4	33·4	34·0	34·6	35·4	35·0	35·5	34·8
	24	33·0	33·2	32·2	30·7	29·4	33·2	34·5	35·5	34·7	34·5	33·7	32·0
	25	30·2	29·5	29·2	28·4	25·7	23·7	21·3	19·7	18·0	17·1	15·7	13·9
	26	3·6	3·0	3·1	4·3	7·4	11·5	13·0	15·5	16·5	17·2	17·8	18·0
	27	27·5	25·4	25·3	25·4	26·2	27·8	28·2	29·8	30·3	30·0	30·0	29·6
	28	25·0	24·8	24·2	24·8	25·8	27·0	29·8	28·6	28·5	28·9	29·2	27·5
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	22·4	20·4	20·7	25·8	28·0	30·8	31·7	33·5	34·1	33·6	31·7	31·0
	31	33·0	33·8	34·8	35·1	35·2	35·3	35·7	36·2	36·2	36·7	36·5	35·8
Hourly Means		26·94	26·70	26·98	27·80	28·96	30·40	31·12	31·56	31·79	31·73	31·32	30·30
FEBRUARY.	1	17·0	15·7	15·9	16·4	16·5	17·7	17·6	17·6	18·4	19·2	18·0	16·4
	2	0·1	−0·1	1·3	3·0	6·8	11·2	13·2	15·2	18·2	18·6	19·4	18·4
	3	23·0	23·1	23·1	23·2	24·5	25·0	25·8	26·5	26·7	26·5	26·7	25·7
	4	18·2	19·8	21·7	23·7	24·7	27·3	30·8	31·4	30·2	30·5	30·8	28·9
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	13·5	12·2	11·9	12·5	13·2	14·4	16·6	15·7	14·3	13·6	11·7	9·3
	7	8·3	8·4	8·6	9·2	10·7	12·5	13·5	16·2	17·4	17·0	16·8	15·6
	8	10·8	11·2	10·9	11·4	13·4	16·0	17·5	17·6	17·4	18·0	17·6	16·6
	9	6·2	7·7	10·0	13·8	15·4	17·2	19·2	19·7	20·7	20·5	20·2	19·3
	10	18·4	19·0	19·3	21·2	22·2	22·6	23·5	23·4	24·2	25·9	26·6	26·8
	11	32·4	29·0	24·3	22·3	21·5	21·3	21·1	21·4	21·5	22·6	22·4	19·8
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	12·6	12·2	11·7	14·6	15·4	17·0	20·0	20·2	19·8	20·2	19·4	18·4
	14	10·6	10·0	9·8	10·0	9·8	11·0	11·6	12·0	12·2	11·8	11·8	11·5
	15	6·0	6·3	7·0	8·6	11·4	13·2	15·8	17·4	17·8	18·3	16·8	15·4
	16	7·1	6·8	5·5	7·9	10·2	13·5	14·0	14·8	15·0	14·4	13·9	12·5
	17	−8·3	−8·3	−4·4	1·6	7·0	9·7	12·2	13·5	13·8	14·7	12·0	11·0
	18	−7·1	−6·8	−4·5	0·5	6·4	9·5	12·2	13·6	14·8	14·0	14·8	13·5
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	5·8	2·7	7·0	12·4	17·4	19·4	21·5	24·4	24·8	24·0	24·0	23·4
	21	12·9	14·6	17·7	20·8	24·2	26·4	26·4	28·2	27·9	27·3	27·6	26·0
	22	19·5	19·4	20·1	21·1	22·0	22·3	21·3	20·4	20·5	20·2	18·8	17·2
	23	5·1	4·5	8·0	10·8	13·3	14·9	16·3	17·4	19·5	18·8	19·0	18·2
	24	9·1	9·4	11·3	13·6	17·6	19·4	20·8	24·8	27·3	26·2	27·2	26·9
	25	24·1	23·8	23·6	23·9	25·4	28·2	30·7	32·3	33·8	34·3	32·4	32·2
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	21·0	20·0	20·4	21·2	22·2	24·2	24·8	26·7	25·7	25·7	26·1	25·2
	28	20·0	19·8	21·0	22·6	23·7	25·8	28·2	28·5	27·7	26·3	25·2	23·7
Hourly Means		11·03	11·68	12·55	14·43	16·45	18·32	19·77	20·79	21·23	21·19	20·80	19·76

12	13
6	7
27·2	26·9
10·5	10·0
20·4	20·8
32·7	32·0
38·5	38·2
37·0	36·0
—	—
27·7	27·4
33·6	33·4
31·5	31·4
33·3	33·5
24·2	23·7
24·4	24·6
—	—
24·2	22·6
26·5	26·7
34·6	34·8
40·8	40·5
39·2	37·5
47·5	45·5
—	—
34·2	34·5
31·2	30·8
12·8	11·9
19·4	21·8
29·3	29·2
21·5	19·4
—	—
30·8	31·4
33·7	33·4
29·49	29·19
15·4	12·8
16·4	16·4
25·3	25·1
26·5	24·2
—	—
7·8	7·0
14·6	12·6
15·5	14·4
18·1	16·2
30·0	30·8
18·6	16·4
—	—
17·6	17·0
10·8	10·3
13·8	11·9
10·4	7·8
8·8	8·0
8·2	8·5
—	—
22·2	20·6
25·4	25·5
13·6	11·4
14·4	8·6
25·8	25·4
31·7	31·4
—	—
25·0	24·8
22·4	21·5
18·26	17·03

STANDARD THERMOMETER.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°
27·2	26·9	25·7	24·9	23·5	21·8	19·9	19·4	18·5	16·4	14·4	12·7	24·50
10·5	10·0	11·0	11·8	12·4	12·2	11·6	10·8	10·7	10·6	10·2	10·0	11·67
20·4	20·8	22·2	21·3	19·3	19·8	19·8	20·1	20·4	21·5	22·2	23·8	18·75
32·7	32·0	30·9	28·4	29·2	25·0	24·0	23·5	23·9	24·7	27·8	30·3	28·76
38·5	38·2	38·5	38·9	39·2	39·0	38·8	39·8	40·2	39·4	39·6	40·2	37·02
37·0	36·0	35·4	35·1	35·2	35·3	—	—	—	—	—	—	35·25
—	—	—	—	—	—	24·4	23·8	23·6	23·0	22·6	22·2	
27·7	27·4	27·7	29·0	29·8	30·2	31·8	32·0	31·4	31·4	31·7	32·1	28·40
33·6	33·4	32·6	32·3	32·8	32·7	32·8	32·5	32·3	31·8	29·8	28·4	33·03
31·5	31·4	31·5	31·4	31·3	31·2	31·0	30·8	30·8	30·6	30·6	30·4	30·79
33·3	33·5	33·3	33·4	33·5	33·8	33·4	33·2	33·2	33·0	33·0	33·2	32·49
24·2	23·7	23·5	22·8	22·2	21·8	21·8	22·4	22·8	23·6	24·2	25·1	27·40
24·4	24·6	24·6	25·4	26·2	26·8	—	—	—	—	—	—	25·56
—	—	—	—	—	—	24·6	25·9	27·5	28·2	28·8	29·8	
24·2	22·6	22·8	24·7	25·0	25·6	24·3	22·0	21·4	21·5	21·2	20·4	23·89
26·5	26·7	27·2	27·2	27·5	27·6	28·4	28·9	28·8	29·2	29·5	28·3	26·79
34·6	34·8	35·0	37·7	37·0	36·7	38·0	34·2	34·0	34·0	30·6	35·7	36·15
40·8	40·5	41·8	41·2	39·0	37·4	37·4	38·8	39·3	37·4	39·0	40·2	39·52
39·2	37·5	38·2	38·5	38·5	38·5	38·0	37·0	37·5	38·0	37·0	37·0	38·19
47·5	45·5	43·6	41·5	40·2	39·2	—	—	—	—	—	—	40·78
—	—	—	—	—	—	30·1	30·0	30·3	29·5	28·5	28·3	
34·2	34·5	34·3	34·4	34·0	34·7	35·3	35·0	35·4	35·5	35·5	34·4	33·82
31·2	30·8	31·2	30·9	31·8	32·0	31·0	30·8	30·8	30·6	30·6	30·5	32·03
12·8	11·9	11·0	10·0	9·0	8·4	7·6	7·8	6·2	5·2	4·7	3·8	15·45
19·4	21·8	22·2	23·2	25·3	25·7	23·8	22·7	23·7	26·3	26·0	27·5	17·44
29·3	29·2	29·2	29·7	30·4	28·4	26·8	26·5	26·2	26·4	25·7	25·2	27·85
21·5	19·4	21·4	21·7	22·5	23·0	—	—	—	—	—	—	23·24
—	—	—	—	—	—	13·0	16·7	18·8	15·5	18·6	21·5	
30·8	31·4	31·5	29·2	30·0	31·2	32·9	34·2	34·4	32·8	33·2	33·0	30·35
33·7	33·4	33·7	33·5	30·0	26·2	23·0	20·7	20·1	19·4	18·6	17·8	30·60
29·49	29·19	29·33	29·16	29·03	28·70	27·09	26·90	27·01	26·75	26·91	26·99	28·84
15·4	12·8	8·8	7·1	6·7	7·1	5·7	2·7	2·2	2·1	2·0	1·0	11·67
16·4	16·4	19·8	20·7	20·4	21·3	21·6	22·0	22·2	22·4	22·0	22·6	15·57
25·3	25·1	25·1	25·0	24·8	24·6	23·5	21·8	16·8	17·2	18·6	18·6	23·59
26·5	24·2	25·4	25·7	25·5	25·6	—	—	—	—	—	—	24·42
—	—	—	—	—	—	21·4	20·8	20·2	19·6	17·8	15·4	
7·8	7·0	6·4	6·4	6·4	6·0	6·4	6·6	6·5	7·2	7·8	8·0	10·07
14·6	12·6	13·8	13·8	12·8	12·5	11·9	11·7	11·3	11·1	11·0	10·8	12·59
15·5	14·4	13·8	11·8	10·6	10·5	7·9	2·8	4·6	6·0	6·5	6·1	12·04
18·1	16·2	14·9	12·2	11·2	10·5	10·4	11·6	12·5	13·4	16·4	18·2	14·82
30·0	30·8	31·6	32·0	32·6	33·8	36·4	37·4	37·6	37·6	35·3	34·7	28·54
18·6	16·4	16·0	15·2	14·4	14·8	--	—	—	—	—	—	18·98
—	—	—	—	—	—	13·3	13·4	13·4	13·6	13·6	13·1	
17·6	17·0	15·6	14·3	14·1	13·8	13·4	12·7	13·0	13·0	13·0	11·6	15·44
10·8	10·3	9·8	9·0	7·4	6·9	6·4	6·5	6·3	6·2	6·2	5·9	9·32
13·8	11·9	10·2	8·8	9·7	8·5	8·7	8·6	8·4	7·6	7·8	7·4	11·06
10·4	7·8	5·6	2·4	0·8	−2·6	−5·4	−5·2	−7·2	−6·5	−8·2	−8·5	4·96
8·8	8·0	7·6	5·4	4·9	3·8	3·2	2·7	2·0	1·3	0·8	−3·2	4·99
8·2	8·5	10·1	10·2	9·6	10·3	—	—	—	—	—	—	9·01
—	—	—	—	—	—	17·8	16·8	14·5	13·4	10·4	5·5	
22·2	20·6	15·2	11·2	10·8	9·1	11·4	12·5	13·0	12·6	13·0	11·2	15·40
25·4	25·5	24·0	21·4	15·6	12·7	14·4	16·0	18·8	20·2	20·2	19·6	24·41
13·6	11·4	9·8	7·2	5·4	3·6	3·0	4·5	4·7	4·4	4·7	7·0	13·42
14·4	8·6	6·4	5·8	6·4	6·5	6·4	0·3	6·7	6·8	7·0	8·6	10·66
25·8	25·4	24·7	24·0	25·0	24·0	23·0	22·8	23·2	23·0	23·2	23·3	21·71
31·7	31·4	31·0	30·8	30·5	30·4	—	—	—	—	—	—	28·47
—	—	—	—	—	—	26·8	27·0	26·8	25·5	24·6	22·0	
25·0	24·8	24·3	23·6	23·3	22·8	22·6	21·0	20·6	20·4	20·4	20·2	23·01
22·4	21·5	20·4	19·6	18·2	17·4	17·2	16·8	16·5	16·0	13·4	13·6	21·06
18·26	17·03	16·26	15·15	14·46	13·91	13·64	13·32	13·11	13·09	12·84	12·20	15·92

STANDARD THERMOMETER.

	Hours of Mean Göttingen Time,	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time,	18	19	20	21	22	23	0	1	2	3	4	5	6	7
MARCH.	1	14·0	14·4	15·4	17·7	19·0	19·0	20·0	20·3	20·2	20·0	19·4	18·8	18·0	17·2
	2	7·6	8·1	8·9	10·8	14·2	16·5	17·8	18·7	19·8	20·2	19·6	18·6	17·2	15·8
	3	10·2	11·0	12·6	15·2	19·8	21·0	21·8	21·2	21·9	21·9	21·7	20·4	19·8	18·7
	4	3·7	2·4	7·3	15·6	19·7	21·5	22·9	23·8	25·0	25·0	24·9	23·8	19·2	18·0
	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	6·5	7·0	10·3	12·3	16·0	18·9	22·2	23·7	25·4	25·3	25·8	24·4	20·4	18·0
	7	−1·2	0·7	5·8	13·1	16·1	19·2	21·2	24·4	26·6	26·8	28·3	28·3	22·0	15·8
	8	21·3	23·5	24·9	25·5	26·6	27·4	27·6	28·3	28·7	28·8	28·5	28·2	27·8	27·6
	9	19·3	16·6	20·5	21·6	23·8	26·6	29·0	31·3	30·1	31·1	30·5	30·4	22·8	17·3
	10	30·7	28·9	29·2	30·6	31·1	31·0	31·3	31·8	32·3	32·9	33·1	33·4	33·4	33·5
	11	31·2	30·6	29·7	28·5	28·9	29·6	30·4	29·8	30·8	30·4	30·4	33·0	29·6	26·8
	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	30·6	31·2	31·7	32·4	34·8	34·0	34·7	36·0	35·5	35·8	34·9	33·6	28·0	24·8
	14	15·2	15·3	16·5	17·4	19·0	20·0	22·2	24·4	26·8	29·2	31·6	28·7	26·6	26·8
	15	25·1	24·2	23·0	23·8	28·2	30·2	31·0	31·6	29·1	28·2	26·7	25·7	25·1	25·0
	16	10·7	11·4	16·4	20·6	23·1	25·5	27·6	27·9	27·8	26·5	25·9	25·2	24·5	23·5
	17	21·0	22·0	23·3	25·2	27·9	29·0	31·2	31·7	31·5	31·7	30·5	28·5	27·8	27·0
	18	20·4	20·6	22·5	23·7	24·8	26·6	27·6	27·8	27·8	27·8	27·0	27·6	25·0	23·0
	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	15·2	17·8	22·0	23·8	25·7	27·4	28·6	28·8	28·8	28·6	26·8	26·8	25·6	25·2
	21	18·4	18·3	22·2	24·0	24·2	24·4	25·6	27·2	28·2	29·7	28·5	28·1	26·5	25·2
	22	11·8	13·1	20·7	23·4	26·8	27·9	29·4	30·8	28·0	31·0	33·2	33·0	27·4	23·5
	23	10·2	10·4	11·0	11·4	13·4	14·8	15·7	15·4	16·0	16·3	14·8	14·4	13·8	14·2
	24	10·8	12·0	15·0	17·6	20·4	22·5	23·0	23·8	26·0	26·6	26·8	25·2	22·2	20·3
	25	14·6	19·4	20·4	21·8	23·8	26·0	26·8	26·8	29·8	27·2	25·5	24·3	24·0	23·0
	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	27·0	26·7	26·7	26·8	27·0	26·2	26·8	27·3	27·2	27·6	27·9	27·7	26·9	26·9
	28	32·2	32·7	33·6	34·3	35·6	36·7	37·7	38·7	37·2	37·0	34·3	33·0	31·0	30·2
	29	19·9	22·8	26·3	26·7	28·7	30·6	33·3	35·0	35·0	36·0	35·6	34·4	32·8	31·8
	30	18·9	18·8	20·2	21·2	23·4	26·4	27·8	29·2	30·0	30·2	28·6	28·0	27·2	27·3
	31	26·1	26·5	27·0	27·2	27·8	28·5	28·6	29·4	29·2	28·6	28·0	27·7	27·0	27·6
Hourly Means		17·46	18·01	20·11	21·93	24·07	25·46	26·73	27·60	27·95	28·16	27·73	27·08	24·87	23·48
APRIL.	1	21·3	22·4	25·2	26·6	28·5	30·7	32·3	32·8	33·5	33·8	35·5	32·2	28·4	27·4
	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	16·4	19·5	26·0	31·1	33·9	35·6	37·2	38·5	37·0	38·2	39·7	42·4	36·2	30·2
	4	28·5	31·3	33·6	34·8	36·3	37·6	36·3	34·8	34·1	34·2	34·4	34·2	33·6	33·2
	5	29·2	30·0	33·1	36·3	38·8	39·4	39·5	41·5	39·2	38·4	39·6	39·2	36·8	36·2
	6	29·8	31·9	33·7	34·4	37·6	38·6	41·6	42·3	38·0	37·2	41·3	40·8	38·3	35·9
	7	26·8	29·0	32·5	34·0	35·3	36·9	39·8	41·2	40·8	40·5	39·8	39·0	38·6	36·6
	8	40·4	42·1	44·1	44·3	46·0	46·0	46·2	47·8	50·2	48·3	48·9	46·4	43·6	40·4
	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	31·9	31·3	31·7	33·8	35·1	38·4	41·1	42·4	44·0	43·4	42·6	44·0	43·6	38·8
	11	31·6	33·6	37·3	40·0	41·0	42·9	45·3	44·8	47·0	48·8	50·0	51·2	49·7	45·2
	12	29·4	33·5	38·6	40·8	46·0	48·8	48·8	49·5	51·6	53·1	53·8	54·1	46·6	42·5
	13	32·8	40·2	42·1	43·6	45·2	45·0	42·3	42·8	45·4	42·4	41·8	42·4	40·2	40·4
	14 [a]	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	41·2	39·6	40·4	41·5	45·5	49·8	53·6	53·2	56·2	55·0	53·7	50·7	50·3	49·0
	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	39·8	41·4	42·4	44·4	45·2	46·0	45·2	44·5	43·8	44·0	42·7	41·7	41·2	40·4
	18	40·6	36·2	36·4	34·4	34·4	34·6	34·4	34·4	34·9	36·3	36·4	34·8	35·4	35·5
	19	36·0	36·4	36·6	37·8	39·0	40·8	43·4	42·8	42·2	43·0	41·8	41·0	40·2	39·9
	20	39·4	40·2	40·7	41·8	42·7	46·7	46·6	48·5	48·8	51·2	52·4	54·4	53·3	44·9
	21	33·2	38·0	43·6	46·3	48·8	51·3	55·0	56·8	57·8	60·3	60·1	56·8	52·5	50·0
	22	47·2	50·8	51·6	53·7	54·8	55·4	54·4	52·4	54·2	52·5	53·8	53·9	45·0	43·7
	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	51·4	51·0	51·7	51·8	52·2	52·6	53·7	56·2	57·6	57·3	56·4	54·8	53·5	51·8
	25	45·0	45·0	46·2	47·8	49·4	49·6	49·4	49·9	52·2	53·0	55·0	50·3	45·7	45·3
	26	42·4	43·2	43·8	47·0	51·8	54·0	54·8	59·7	60·9	62·1	59·4	59·5	61·2	58·5
	27	42·2	42·8	43·2	43·8	45·2	46·2	49·6	52·8	55·1	55·4	57·1	59·6	55·0	47·0
	28	49·6	51·2	53·4	56·4	55·5	57·4	66·0	68·4	70·5	70·0	69·5	68·1	65·0	58·9
	29	38·4	38·4	39·0	39·4	40·5	41·4	42·4	42·9	43·9	42·7	43·1	42·6	41·0	38·4
	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		36·02	37·44	39·45	41·07	42·86	44·40	45·85	46·70	47·45	47·55	47·87	47·25	44·79	42·09

[a] Good Friday.

STANDARD THERMOMETER.													
10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
4	5	6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
19·4	18·8	18·0	17·2	16·6	15·8	14·7	14·3	12·3	12·2	11·0	9·7	8·7	7·4	15·67
19·6	18·6	17·2	15·8	13·8	11·4	11·0	4·2	3·9	4·8	7·5	9·0	9·6	9·8	12·45
21·7	20·4	19·8	18·7	18·1	17·2	16·2	15·5	13·0	11·6	12·6	10·4	8·6	6·6	16·12
24·9	23·8	19·2	18·0	16·0	14·5	13·0	12·0	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	10·0	11·2	9·8	10·2	9·6	8·4	15·31
25·8	24·4	20·4	18·0	15·4	14·0	13·6	11·2	7·8	4·8	7·2	1·9	0·0	−0·6	13·81
28·3	28·3	22·0	15·8	13·6	11·9	10·3	10·6	8·6	6·6	8·7	9·7	14·2	17·8	14·96
28·5	28·2	27·8	27·6	27·2	26·4	25·9	23·8	22·8	21·3	20·5	20·8	19·4	20·3	25·13
30·5	30·4	22·8	17·3	17·9	17·4	17·0	20·2	22·8	27·6	28·8	29·2	30·0	30·4	24·67
33·1	33·4	33·4	33·5	33·6	33·8	33·6	33·6	33·6	34·2	34·3	34·2	33·7	32·8	32·52
30·4	33·0	29·6	26·8	25·0	23·2	19·2	15·2	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	30·6	30·2	29·8	30·2	30·4	30 6	28·50
34·9	33·6	28·0	24·8	22·8	22·2	21·2	19·2	16·8	15·0	13·1	16·2	16·0	11·2	26·32
31·6	28·7	26·6	26·8	26·2	25·8	26·2	28·5	28·9	29·0	29·5	27·6	26·0	25·0	24·68
26·7	25·7	25·1	25·0	23·4	18·0	14·4	13·0	14·0	9·2	7·8	8·8	8·8	9·5	20·99
25·9	25·2	24·5	23·5	23·0	21·4	20·6	19·8	19·2	19·3	19·3	19·5	19·8	20·3	21·62
30·5	28·5	27·8	27·0	25·2	25·8	24·0	23·6	22·5	21·4	19·9	19·0	18·0	19·8	25·31
27·0	27·6	25·0	23·0	23·2	22·2	21·8	20·2	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	19·4	18·2	16·9	16·5	15·3	15·4	22·55
26·8	26·8	25·6	25·2	23·8	22·0	22·4	21·8	21·0	20·4	18·4	17·8	18·2	18·6	23·15
28·5	28·1	26·5	25·2	24·8	24·4	23·6	23·4	23·6	22·6	21·6	19·6	17·8	13·7	23·54
33·2	33·0	27·4	23·5	21·4	20·0	19·2	18·2	16·8	16·0	15·2	13·8	12·4	11·0	21·83
14·8	14·4	13·8	14·2	14·2	14·6	15·2	15·6	15·6	15·0	14·0	12·8	11·7	11·2	13·82
26·8	25·2	22·2	20·3	19·6	18·1	16·2	16·0	15·8	15·9	16·4	16·8	15·5	15·0	19·06
25·5	24·3	24·0	23·0	22·1	20·5	19·5	17·4	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	19·0	19·1	19·2	20·5	25·0	26·3	22·59
27·9	27·7	26·9	26·9	27·0	27·0	27·8	28·4	28·8	29·6	30·0	31·0	30·8	31·7	27·95
34·3	33·0	31·0	30·2	29·6	29·8	29·6	28·0	27·0	25·6	24·6	22·9	21·8	20·2	30·97
35·6	34·4	32·8	31·8	31·0	29·8	28·6	27·3	26·2	23·1	21·3	20·6	20·1	19·1	28·17
28·6	28·0	27·2	27·3	27·6	28·6	26·9	26·9	26·0	26·1	25·8	26·5	26·0	26·3	26·00
28·0	27·7	27·0	27·6	26·9	25·8	25·0	24·0	23·4	23·2	22·4	22·0	21·7	22·6	26·09
27·73	27·08	24·87	23·48	22·56	21·54	20·62	19·70	19·59	19·01	18·73	18·41	18·11	17·79	22·36
35·5	32·2	28·4	27·4	27·2	27·0	26·5	24·4	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	20·4	18·8	19·0	18·6	18·4	16·0	26·12
39·7	42·4	36·2	30·2	27·5	26·0	26·4	27·0	25·2	23·8	26·0	25·9	27·1	26·8	30·15
34·4	34·2	33·6	33·2	33·0	33·2	33·2	33·6	33·6	32·5	31·1	28·9	26·9	27·8	32·95
39·6	39·2	36·8	36·2	35·7	34·4	31·4	32·0	32·2	32·2	31·9	31·2	29·4	29·2	34·87
41·3	40·8	38·3	35·9	33·6	32·4	29·4	30·5	30·8	30·0	29·4	29·3	28·0	26·5	34·22
39·8	39·0	38·6	36·6	36·2	35·8	34·4	34·8	34·8	34·6	35·2	35·0	36·8	39·8	36·17
48·9	46·4	43·6	40·4	37·8	37·0	36·8	37·0	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	33·9	32·8	32·2	32·1	32·0	31·1	40·72
42·6	44·0	43·6	38·8	37·2	36·6	35·2	34·8	33·4	32·4	31·7	30·0	32·7	31·3	36·56
50·0	51·2	49·7	45·2	41·2	39·4	38·7	38·0	37·9	31·8	30·4	29·8	28·5	27·8	39·66
53·8	54·1	46·6	42·5	38·9	37·4	36·5	35·2	34·8	34·6	35·4	36·4	35·4	32·5	41·42
41·8	42·4	40·2	40·4	39·4	37·6	36·5	35·0	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	44·8	43·7	43·1	41·9	41·1	40·4	41·32
53·7	50·7	50·3	49·0	49·7	47·2	45·7	45·3	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	40·0	39·0	38·2	37·8	38·5	38·4	45·81
42·7	41·7	41·2	40·4	40·6	40·0	40·2	40·4	42·8	43·0	42·6	42·4	42·6	41·4	42·43
36·4	34·8	35·4	35·5	36·2	36·5	36·2	36·2	35·9	35·6	35·5	35·4	35·5	35·6	35·72
41·8	41·0	40·2	39·9	39·9	40·2	40·4	39·5	38·2	36·8	38·5	39·4	39·4	39·0	39·67
52·4	54·4	53·3	44·9	41·4	39·0	36·4	35·6	34·8	33·8	34·8	35·0	32·8	31·2	41·93
60·1	56·8	52·5	50·0	47·5	45·6	44·2	45·2	45·8	44·9	45·6	45·5	45·0	43·2	48·46
53·8	53·9	45·0	43·7	45·8	45·7	46·6	46·2	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	52·2	52·0	52·5	53·0	52·3	52·2	50·91
56·4	54·8	53·5	51·8	48·5	47·6	46·8	45·2	44·8	44·0	44·0	44·3	44·2	43·7	50·21
55·0	50·3	45·7	45·3	45·6	46·0	45·3	46·2	45·4	45·0	44·4	44·0	44·6	43·0	47·22
59·4	59·5	61·2	58·5	55·5	53·3	51·5	50·0	48·0	47·8	43·2	41·0	41·8	41·8	51·34
57·1	59·6	55·0	47·0	50·8	52·2	49·2	47·2	47·7	47·0	41·5	40·1	40·3	47·4	48·27
69·5	68·1	65·0	58·9	56·0	53·7	51·2	49·7	48·1	45·5	44·0	42·5	42·0	39·0	55·48
43·1	42·6	41·0	38·4	37·4	36·0	35·2	33·0	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	38·4	38·8	39·2	39·2	36·5	36·2	39·33
47·87	47·25	44·79	42·09	40·94	39·99	38·91	38·42	38·50	37·52	37·06	36·61	36·32	35·89	41·29

STANDARD THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
MAY.	1	37·0	38·6	38·8	40·6	41·3	39·6	42·6	43·2	41·7	42·4	41·3	40·6	40·5	39·2
	2	35·0	37·0	39·8	41·6	43·1	45·1	46·9	49·3	48·6	49·3	52·7	55·2	51·7	45·3
	3	33·0	39·2	42·6	46·4	48·8	50·4	49·4	53·1	51·2	56·3	53·2	50·8	47·8	43·6
	4	40·8	40·8	43·8	44·4	43·6	43·6	44·4	44·6	46·0	46·0	45·2	42·3	40·5	40·1
	5	39·0	40·0	41·2	41·6	40 2	39·8	38·6	38·5	39·9	41·6	43·7	41·9	41·2	40·9
	6	42·0	43·8	45·7	45·6	45·8	50·0	52·8	54·2	55·7	55·1	56·4	55·8	55·4	51·6
	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	46·0	47·6	49·4	49·6	52·2	53·4	54·4	55·9	54·7	54·8	53·6	53·2	52·7	50·1
	9	37·4	42·6	47·2	47·6	50·4	51·2	53·6	53·3	56·4	58·9	57·8	57·5	53·4	51·2
	10	51·2	52·2	53·6	53·6	53·2	53·4	54 2	55·8	57·6	57·2	57·1	55·8	50·4	48·7
	11	49·6	52·0	52·6	54·6	56·4	58·4	59·0	60·7	61·3	61·7	63·7	66·3	64·6	58·8
	12	50·2	55·4	60·7	56·4	56·5	59·3	62·1	66·5	68·1	70·0	70·0	66·4	57·6	56·2
	13	49·6	51·6	55·0	57·8	60·6	63·8	66·4	68·4	71·2	70·5	70·4	70·9	69·8	63·9
	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	58·0	60·6	62·2	65·4	66·6	69·0	63·8	72·1	65·2	70·5	79·9	79·2	77·5	69·0
	16	52·8	54·6	56·0	58·0	59·6	62·0	62·8	64·6	65·7	67·0	67·5	66·9	64·7	56·7
	17	39·0	41·0	43·6	47·0	50·4	49·2	54·0	56·8	56·4	55·0	58·2	62·2	57·5	52·1
	18	38·0	43·0	48·6	48·0	49·0	51·0	53·6	54·9	57·5	59·9	59·8	66·0	64·8	54·2
	19	44·6	47·6	53·0	56·4	59·4	60·2	60·8	61·6	63·1	60·1	62·6	60·6	57·8	51·4
	20	41·6	48·4	53·4	54·6	56·6	56·8	58·8	62·5	65·1	66·5	68·5	68·6	61·7	55·8
	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	49·8	53·4	54·4	54·8	56·6	58·0	56·4	57·2	56·8	56·8	54·9	54·9	51·8	50·4
	23	50·0	53·4	54·6	54·8	58·6	60·8	55·0	54·5	59·3	62·0	59·4	54·7	53·3	53·5
	24	43·8	47·0	50·8	53·4	55·8	57·8	59·0	63·8	66·8	69·6	71·0	69·4	67·2	59
	25	44·8	48·4	51·2	53·0	53·6	55·6	57·4	57·8	59·4	62·0	62·2	60·2	57·5	5[illegible]
	26	49·6	50·4	49·8	52·0	51·2	54·4	58·6	59·5	57·5	55·2	54·1	53·9	52·4	53[illegible]
	27	53·8	53·1	53·5	55·5	56·7	56·4	56·6	56·4	56·1	55·7	55·5	55·5	55·4	54·9
	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	49·4	52·0	52·8	55·0	56·8	57·8	56·6	59·0	57·6	61·6	66·0	67·8	62·2	59·1
	30	46·6	50·0	53·4	53·8	52·4	53·0	47·6	47·3	43·6	42·0	40·3	41·2	41·2	41·3
	31	39·6	40·4	41·4	41·8	42·5	42·5	43·9	43·5	44·8	45·4	43·6	44·1	43·2	42·3
Hourly Means		44·90	47·56	49·97	51·23	52·51	53·80	54·42	56·11	56·[illegible]	57·54	58·10	57·87	55·33	51·75
JUNE.	1	38·8	41·0	42·2	42·4	45·1	45·6	46·2	47·3	49·1	50·3	47·5	46·1	49·4	45·7
	2	33·8	40·4	43·0	44·8	46·2	48·2	50·4	48·3	48 0	47 9	48·3	45·2	43·0	42·4
	3	46·2	49·8	51·4	52·4	52·2	53·2	53·0	51·5	51·3	51·8	51·7	52·1	51·7	50 9
	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	46·8	47·0	47·4	48·0	49·0	49·5	52·0	51·3	50·8	50·6	49·9	49·6	48·8	48·0
	6	45·4	48·2	49·2	52·1	54·6	55·2	56·4	52·2	54·2	51·1	51·2	52·1	51·4	49·3
	7	41·0	45·8	49·6	52·7	54·4	56·0	59·4	59·9	60·3	59·7	57·0	56·7	55·6	54·4
	8	50·4	53·0	53·2	53·0	50·8	49·4	50·5	51·9	53·6	53·8	55·6	57·8	57·2	55·2
	9	60·8	61·4	62·4	67·8	69·0	69·8	72·0	75·4	71·4	69·7	73·8	72·8	70·7	68·7
	10	48·0	48·4	49·2	48·6	49·8	51·0	53·0	51·3	51·3	51·9	53·5	52 7	51·7	50·6
	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	49·2	52·2	52·2	56·0	59·0	62·8	65·0	68·2	71·1	73·5	73·7	69·9	61 9	56·9
	13	50·6	53·6	55·2	58·4	59·0	60·2	61·8	64·1	64·9	68·5	64·2	59·7	70·1	66·7
	14	54·2	57·2	59·2	61·0	62·8	64·8	66·0	66·6	67·5	68·1	69·4	69·5	70·0	66·2
	15	45·6	47·4	50·4	52·0	50·6	53·8	55·0	57·6	60·8	59·5	59·8	59·1	56·2	54·5
	16	50·8	52·6	54·4	57·0	60·0	60·0	60·0	60·7	62·6	62·0	65·5	66·6	64·7	60·0
	17	51·8	54·6	57·8	59·4	62·0	61·8	63·6	64·9	64·3	64·0	68·2	69·0	69·5	66·4
	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	50·6	54·0	55·8	58·4	61·4	64·0	66·2	67·3	69·5	67·3	65·7	71·3	68·3	64·2
	20	54·8	59·2	61·4	63·8	67·0	70·0	72·3	74·0	77·2	74·4	74·8	75·7	71·5	69·5
	21	62·4	64·8	65·3	67·4	71·0	73·7	75·5	76·8	79·5	80·4	78·9	77·7	79·2	75·8
	22	59·8	65·0	67·6	67·9	71·9	73·7	73·7	78·2	78·8	81·6	81·4	78·2	78·9	75·1
	23	64·2	65·0	66·6	66·6	68·2	69·8	73·2	68·5	70·2	78·8	78·0	77·3	77·6	73·5
	24	62·6	63·3	64·6	65·2	63·6	65·2	66·5	71·4	73·1	76·0	80·1	80·9	81·2	77·1
	25	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	58·0	61·6	62·2	65·4	68·0	66·0	71·4	71·0	75·8	78·2	80·5	80·2	81·4	75·4
	27	64·0	67·0	68·2	70·2	73·0	76·2	78·4	80·8	79·2	80·0	81·5	80·2	75·4	74·1
	28	65·4	67·4	68·8	69·3	72·6	72·2	71·3	77·7	78·0	78·4	78·1	75·9	69·1	68·5
	29	64·0	66·4	68·8	70 0	72·0	74·6	74·8	74 5	74·1	75·3	79·8	73·8	75·7	74·8
	30	61·0	66·4	67·4	69·2	71·5	73·3	75·8	78·8	80·0	81·4	78·2	80·2	80·4	73·5
Hourly Means		53·08	55·87	57·44	59·19	60·95	62·30	63·98	65·01	66·02	66·73	67·17	66·55	65·79	62·98

10	11
4	5
41·3	40·8
52·7	55·2
53·2	50·8
45·2	42·3
43·7	41·9
56·4	55·8
—	—
53·6	53·2
57·8	57·5
57·1	55·8
63·7	66·3
70·0	66·4
70·4	70·9
—	—
79·9	79·2
67·5	66·9
58·2	62·2
59·8	66·0
62·6	60·6
68·5	68·6
—	—
54·9	54·9
59·4	54·7
71·0	69·4
62·2	60·2
54·1	53·9
55·5	55·5
—	—
66·0	67·8
40·3	41·2
43·6	44·1
58·10	57·87
47·5	46·1
48·3	45·2
51·7	52·1
—	—
49·9	49·6
51·2	52·1
57·0	56·7
55·6	57·8
63·8	72·8
63·5	52·7
—	—
63·7	69·9
64·2	59·7
69·4	69·5
69·8	59·1
65·5	66·6
68·2	69·0
—	—
67·7	71·3
67·8	75·7
67·9	77·7
67·4	78·2
67·0	77·3
67·1	80·9
—	—
67·5	80·2
67·5	80·2
67·1	75·9
67·8	73·8
67·2	80·2
67·17	66·55

STANDARD THERMOMETER.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
40·5	39·2	38·8	37·0	36·6	35·9	36·7	37·0	37·5	35·0	33·2	32·4	38·61
51·7	45·3	43·7	41·7	38·5	37·0	31·0	31·0	30·2	30·4	29·8	30·1	41·00
47·8	43·6	42·4	42·5	41·2	39·6	39·5	39·4	38·6	38·3	38·9	38·8	44·38
40·5	40·1	39·3	38·7	38·2	38·0	37·9	37·6	37·0	36·6	37·0	37·8	41·01
41·2	40·9	41·7	42·4	42·5	42·3	40·5	39·5	38·4	38·0	40·5	41·4	40·64
55·4	51·6	49·8	42·3	42·1	41·2	—	—	—	—	—	—	48·74
—	—	—	—	—	—	50·0	47·8	47·6	47·4	46·2	45·4	
52·7	50·1	46·4	43·9	42·5	40·8	40·2	39·8	37·8	37·2	35·0	33·2	46·85
53·4	51·2	48·3	47·2	48·8	48·6	46·9	46·0	50·2	49·4	50·2	50·4	50·19
50·4	48·7	47·7	47·0	47·1	47·5	47·4	46·8	47·2	46·5	47·4	47·6	51·09
64·6	58·8	51·9	48·9	47·3	45·4	44·5	44·8	43·8	45·6	46·8	47·4	53·59
57·6	56·2	55·4	53·5	50·6	51·6	50·8	50·2	49·7	48·6	49·5	49·2	56·88
69·8	63·9	59·0	59·5	55·6	55·3	—	—	—	—	—	—	60·78
—	—	—	—	—	—	60·9	61·4	53·9	53·2	53·7	56·2	
77·5	69·0	63·5	59·8	58·7	57·2	56·6	56·0	50·3	50·7	50·7	51·8	63·10
64·7	56·7	50·2	46·6	44·4	42·9	42·0	40·8	39·8	38·4	37·5	36·0	53·23
57·5	52·1	45·9	42·7	41·5	39·8	40·2	39·1	35·8	32·4	31·2	32·0	45·96
64·8	54·2	47·2	43·1	41·7	43·0	43·2	43·0	42·7	41·0	40·7	42·6	49·02
57·8	51·4	45·8	43·2	41·3	39·5	39·2	39·0	38·5	35·4	34·8	35·2	49·63
61·7	55·8	49·0	46·2	43·8	41·2	—	—	—	—	—	—	53·25
—	—	—	—	—	—	47·8	45·4	46·6	46·7	45·8	46·6	
51·8	50·3	50·5	50·3	50·8	50·7	50·1	48·9	48·8	48·4	47·4	48·0	52·50
53·3	52·5	49·2	45·0	43·6	43·8	42·6	41·3	42·9	42·6	42·3	42·2	50·81
67·2	59·[illegible]	[illegible]·0	51·3	49·8	48·7	47·6	46·5	45·1	44·7	42·4	41·2	54·47
57·5	5[illegible]	[illegible]·2	51·5	50·3	50·1	51·7	53·0	51·0	52·2	50·4	49·4	53·71
52·4	5[illegible]	[illegible]·5	53·6	53·9	54·4	52·0	50·6	52·0	53·4	51·2	54·5	53·33
55·4	54·9	53·9	51·8	49·4	44·5	—	—	—	—	—	—	52·97
—	—	—	—	—	—	51·7	50·8	49·2	48·4	48·0	48·4	
62·2	59·1	53·3	53·8	51·9	49·6	48·0	46·6	43·7	43·1	42·7	40·0	53·60
41·2	41·3	39·8	38·7	40·1	39·2	38·5	37·5	36·3	36·2	36·5	36·0	43·02
43·2	42·3	39·6	39·4	36·9	36·0	35·6	36·2	37·2	37·4	37·6	37·6	40·52
55·33	51·75	48·56	46·73	45·52	44·59	44·93	44·30	43·40	42·86	42·50	42·64	49·73
49·4	45·7	45·1	39·6	34·0	33·0	30·8	30·5	29·4	29·0	28·8	30·8	40·32
43·0	42·4	42·2	41·5	40·9	41·2	41·5	41·7	42·2	42·7	43·2	44·0	43·79
51·7	50·9	49·1	49·2	48·7	47·2	—	—	—	—	—	—	50·28
—	—	—	—	—	—	50·5	50·0	49·2	48·6	47·8	47·2	
48·8	48·0	47·5	46·7	45·4	44·9	45·1	44·4	44·0	44·0	44·1	44·4	47·47
51·4	49·3	47·9	46·3	43·7	43·1	42·9	42·8	40·0	37·5	35·8	38·4	47·54
55·6	54·4	52·1	51·3	50·5	50·3	49·5	48·6	47·2	46·4	44·6	45·4	52·02
57·2	55·2	53·4	52·7	50·7	49·4	54·4	58·0	58·3	57·2	55·5	59·2	53·92
70·7	68·7	64·6	59·9	59·0	56·3	55·7	55·2	50·6	49·4	47·8	47·2	62·97
51·7	50·6	49·6	49·0	48·5	47·8	—	—	—	—	—	—	49·73
—	—	—	—	—	—	52·4	48·3	47·7	48·0	46·3	44·8	
61·9	56·9	54·7	53·2	50·4	50·2	50·7	50·9	50·0	49·6	49·0	48·2	57·44
70·1	66·7	60·2	59·5	57·2	56·8	54·6	53·9	52·8	53·2	52·3	52·0	58·73
70·0	66·2	60·8	58·1	52·7	49·8	48·1	47·7	45·1	44·0	41·5	40·0	57·03
56·2	54·5	51·9	50·7	50·7	51·0	51·2	51·2	51·1	51·0	50·5	50·0	52·97
64·7	60·0	57·6	56·4	55·7	53·2	52·2	51·3	50·6	49·7	49·5	49·6	56·82
69·5	66·4	56·5	54·9	53·7	53·4	—	—	—	—	—	—	57·27
—	—	—	—	—	—	48·5	48·0	46·8	45·5	44·6	45·2	
68·3	64·2	60·7	56·8	55·5	54·4	52·2	50·7	50·2	49·6	48·7	49·6	58·85
71·5	69·5	66·5	66·5	65·7	62·3	60·3	59·1	59·4	59·8	59·0	58·0	65·92
79·2	75·8	70·2	69·4	66·9	64·7	70·7	61·2	59·4	58·4	56·6	56·6	69·26
78·9	75·1	72·7	71·5	66·2	64·0	62·2	62·5	61·1	60·2	60·4	61·6	69·76
77·6	73·5	69·0	64·9	63·9	62·8	60·4	59·7	61·9	61·9	63·4	61·8	67·80
81·2	77·1	67·2	61·9	59·7	57·7	—	—	—	—	—	—	64·93
—	—	—	—	—	—	54·0	53·5	52·8	52·0	53·9	54·8	
81·4	75·4	70·8	64·2	64·6	64·2	63·7	62·7	63·7	59·8	59·4	59·2	67·81
75·4	74·1	72·7	69·7	69·0	65·5	66·7	67·0	66·8	65·7	65·0	64·0	71·68
69·1	68·5	67·1	64·6	64·2	63·9	63·5	62·7	62·1	61·2	61·5	62·0	68·56
75·7	74·8	69·2	66·2	65·8	63·2	60·7	58·7	58·5	56·5	55·5	56·2	67·88
80·4	73·5	72·2	69·5	67·5	66·0	65·4	65·2	64·4	64·2	63·8	63·8	70·80
65·79	62·98	59·67	57·47	55·80	54·47	54·15	53·29	52·51	51·76	51·10	51·31	58·94

STANDARD THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
JULY.	1	67·4	70·8	72·6	75·2	76·2	77·5	80·8	82·7	84·6	86·4	86·2	84·7	82·7	79·6
	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	50·4	54·4	56·2	57·2	57·8	59·9	62·3	65·1	62·2	65·8	68·6	69·2	74·8	71·8
	4	52·4	56·4	60·2	65·2	65·2	66·4	68·2	69·2	68·7	70·0	66·2	70·9	64·4	66·3
	5	57·8	59·6	60·8	62·2	62·6	63·0	65·6	67·0	66·5	68·5	71·5	74·0	70·5	67·3
	6	55·8	60·2	64·8	67·4	66·5	67·0	68·2	70·5	74·6	76·6	77·2	79·9	73·7	68·2
	7	56·4	57·4	59·0	60·4	67·4	70·2	69·4	71·2	72·9	74·7	76·4	78·2	77·5	73·9
	8	61·0	65·2	69·6	73·0	76·4	78·0	78·6	78·9	81·1	81·6	81·0	80·5	82·2	75·0
	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	60·6	64·4	65·9	67·7	69·9	70·3	71·0	74·8	76·1	72·6	72·4	68·2	66·0	63·6
	11	59·0	62·0	56·8	58·5	61·4	62·8	64·0	64·8	67·1	66·7	68·9	67·2	64·2	61·4
	12	47·0	54·8	57·2	60·8	64·8	67·2	69·8	72·4	74·0	73·0	74·7	77·2	76·3	66·9
	13	51·0	58·4	60·2	63·8	66·8	68·6	70·2	72·1	73·3	75·3	74·1	74·2	73·1	66·7
	14	57·2	61·6	64·8	68·4	72·6	74·7	78·4	81·1	83·2	80·7	75·9	74·6	73·5	71·2
	15	63·0	63·2	64·0	65·0	66·3	67·6	71·0	74·1	72·5	71·0	70·1	73·1	73·5	69·9
	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	63 2	63·5	64·7	63·4	65·1	69·4	73·6	75·4	78·4	77·0	71·5	71·4	67·5	69·3
	18	66·5	70·0	71·8	71·4	72·5	74·6	77·6	81·0	83·5	83·6	84·2	83·6	81·9	77·6
	19	62·3	62·2	61·3	61·2	63·5	64·8	65·4	66·6	68·0	68·7	69·8	70·7	71·0	65·8
	20	49·3	53·7	57·6	59·5	61·4	62·8	63·8	65·9	65·6	68·1	71·1	74·3	73·5	69·6
	21	48·0	56·2	60·0	60·8	64·2	67·0	70·6	71·8	73·5	74·7	75·6	75·1	73·0	71·2
	22	57·6	62·6	64·0	66·0	68·6	71·2	75·0	78·5	80·6	79·7	79·9	78·1	76·2	73·9
	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	64·6	66·0	69·0	69·8	70·8	72·5	73·2	75·5	76·5	76·4	77·2	77·5	76·9	71·
	25	59·2	61·7	63·1	65·6	66·8	69·5	71·1	73·2	75·0	76·1	77·1	75·4	73·0	68·
	26	58·6	63·4	67·0	70·2	72·0	76·1	78·4	76·5	83·6	79·5	77·8	72·8	70·2	67·
	27	63·4	65·0	66·8	68·8	70·0	71·0	70·2	72·0	71·5	71·5	72·0	74·7	71·7	67·
	28	60·8	62·0	65·4	67 5	70·6	74·0	78·0	80·1	80·4	75·2	74·8	73·6	78·9	74·
	29	63·8	62·8	62·5	63·6	64·6	64·4	64·8	64·7	64·3	65·2	66·0	67·0	70·8	64·
	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	47·4	57·8	61·3	64·4	67·5	66·6	66·7	66·9	68·1	69·7	70·3	72·6	71·3	71·
Hourly Means		57·83	61·36	63·33	65·27	67·37	69·12	71·00	72·77	74·07	74·17	74·25	74·57	73·40	69·
AUGUST.	1	52·0	56·8	59·6	62·4	63·8	64·5	65·5	66·3	68·0	70·2	70·5	72·0	72·8	65·
	2	48·0	53·0	59·8	62·4	64·2	65·4	67·6	69·8	71·6	73·4	76·2	72·1	68·4	67·
	3	52·6	58·4	62·6	65·2	67·8	71·0	73·2	74·6	77·7	78·8	79·3	80·2	76·2	69·
	4	57·6	62·8	66·6	70·0	71·4	74·0	75·0	76·4	77·0	77·7	77·3	76·0	76·4	69·
	5	64·6	66·0	68·0	71·6	75·0	77·0	77·2	77·8	75·4	76·4	77·0	78·2	74·1	69·
	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	65·0	68·6	72·0	73·6	74·4	77·8	74·6	76·0	78·2	71·1	71·9	71·4	71·2	70·
	8	63·4	66·0	67·6	70·0	71·6	73·6	72·8	73·8	74·2	75·0	75·8	73·4	74·5	70·
	9	54·0	57·2	61·0	65·2	67·5	69·6	71·6	72·7	73·2	73·1	71·1	70·4	73·0	67·
	10	60·0	64·0	67·4	70·0	71·8	73·8	75·6	77·5	75·3	75 9	77·1	72·7	72·4	69·
	11	61·0	62·2	64·6	67·8	70·2	72·2	73·8	73·2	76·0	76·7	78·0	79·3	78·9	68·
	12	60·8	63·0	69·4	73·2	76·6	79·2	78·0	79·3	79·5	79·8	81·9	79·4	80·0	73·
	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	68·4	68·8	68·8	68·0	69·2	69·2	73·0	75·5	79·0	77·0	80·4	80·9	79·9	73·
	15	59·2	62·6	65·8	68·8	69·4	70·4	70·5	72·5	70·8	77·0	72·7	71·9	73·4	67·
	16	57·0	61·4	65·6	68·2	70·4	73·0	76·0	78·6	79·6	80·8	81·4	81·3	78·7	73·
	17	65·0	66·6	67·2	70·6	72·0	74·2	72·6	73·5	75·7	76·2	77·2	75·7	72·1	69·
	18	61·4	62·6	63·6	65·0	67·0	68·6	70·6	72·3	72·7	72·3	72·5	70·3	73·1	69·
	19	53·0	56·4	59·2	62·8	65·4	68·2	69·6	68·9	70·9	69·3	68·4	68·2	66·4	69·
	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	56·8	59·0	62·2	64·4	66·0	67·0	69·0	70·9	71·4	72·2	72·9	75·0	70·9	6
	22	55·0	57·2	60·8	65·0	67·2	69·6	69·6	70·6	72·4	72·1	72·8	70·6	69·0	6
	23	54·4	57·2	61·0	66·4	70·0	70·4	72·2	72·3	74·8	75·3	75·4	75·2	74·3	6
	24	49·2	54·7	61·8	65·2	68·0	69·8	71·8	72·9	74·9	75·1	76·3	74·9	68·6	6
	25	52·4	56·4	62·6	67·2	70·0	72·2	72·8	74·5	77·7	74·5	74·2	72·8	71·1	6
	26	55·6	61·0	66·0	69·7	72·4	74·2	77·3	80·8	80·7	81·2	81·4	79·5	74·2	7
	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	65·8	66·6	67·6	69·9	70·4	72·6	73·3	74·9	76·6	77·8	77·4	77·0	73·2	6
	29	62·2	64·4	68·2	71·0	72·8	74·4	75·8	76·6	77·8	77·6	76·4	77 6	75·1	7
	30	59·0	62·4	66·2	69·8	74·8	74·2	77·0	79·5	80·3	82·3	83·0	81·5	78 1	7
	31	66·0	70·8	74·0	76·8	79·9	78·4	79·2	80·8	82·4	83·4	83·7	85·8	83·5	
Hourly Means		58·50	61·71	65·16	68·16	70·34	72·02	73·16	74·56	75·70	76·01	76·38	75·75	74·06	

10	11
4	5
86·2	84·7
—	—
68·6	69·2
66·2	70·9
71·5	74·0
77·2	79·9
76·4	78·2
81·0	80·5
—	—
72·4	68·2
68·9	67·2
74·7	77·2
74·1	74·2
75·9	74·6
70·1	73·1
—	—
71·5	71·4
84·2	83·6
69·8	70·7
71·1	74·3
75·6	75·1
79·9	78·1
—	—
77·2	77·5
77·1	75·4
77·8	72·6
72·0	74·7
74·8	73·6
66·0	67·0
—	—
70·3	72·6
74·25	74·57
70·5	72·0
76·2	72·1
79·3	80·2
77·3	78·0
77·0	78·2
—	—
71·9	71·4
75·8	73·4
71·1	70·4
77·1	72·7
78·0	79·3
81·9	79·4
—	—
80·4	80·9
72·7	71·9
81·4	81·3
77·2	75·7
72·5	70·3
68·4	68·2
—	—
72·9	75·0
72·8	70·6
75·4	75·2
78·3	74·9
74·2	72·8
81·4	79·5
—	—
77·4	77·0
76·4	77 6
83·0	81·5
83·7	85·8
76·38	75·75

STANDARD THERMOMETER.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°
82·7	79·6	76·0	73·0	73·5	73·2	—	—	—	—	—	—	
—	—	—	—	—	—	52·4	51·4	48·6	46·2	47·0	47·2	70·66
74·8	71·8	61·6	56·6	51·9	50·2	51·9	49·0	49·0	49·0	48·8	49·6	58·05
64·4	66·3	63·4	62·8	62·0	61·2	60·6	60·2	58·8	58·1	57·4	57·2	62·98
70·5	67·3	58·6	55·2	53·5	55·8	54·2	52·1	52·2	52·5	50·8	51·3	60·55
73·7	68·2	62·5	60·0	59·0	58·4	58·8	60·0	59·0	59·8	57·3	55·4	65·03
77·5	73·9	68·8	66·5	64·4	61·1	57·8	54·9	55·2	53·4	50·7	56·2	64·75
82·2	75·0	71·4	66·7	62·9	58·4	—	—	—	—	—	—	
—	—	—	—	—	—	58·6	58·6	58·4	58·0	56·6	57·8	69·56
66·0	63·6	59·7	57·4	55·7	54·3	53·2	52·4	51·9	50·8	50·2	49·6	62·45
64·2	61·4	55·4	51·2	48·5	46·0	44·0	13·9	43·6	41·0	40·4	40·6	55·81
76·3	66·9	57·0	53·2	51·0	49·3	50·5	50·7	49·8	49·7	50·5	49·2	60·33
73·1	68·7	62·7	60·6	60·7	59·6	57·6	56·8	56·0	54·8	54·2	54·0	63·53
73·5	71·2	69·4	67·6	65·7	65·0	65·2	62·7	62·8	63·5	63·7	63·8	69·47
73·5	69·9	67·8	66·6	66·4	65·7	—	—	—	—	—	—	
—	—	—	—	—	—	64·7	64·2	64·1	63·8	63·3	63·4	67·26
67·5	69·3	68·8	68·7	67·5	66·1	66·6	66·2	67·0	65·6	63·7	63·2	68·20
81·9	77·6	69·7	71·0	70·6	66·2	65·5	64·0	63·2	62·5	61·0	61·0	72·28
71·0	65·8	59·4	56·2	54·8	53·6	52·8	51·8	51·4	50·4	49·0	45·9	60·27
73·5	69·0	60·4	55·5	52·8	49·3	47·5	46·9	46·2	45·0	45·5	42·4	57·80
73·0	71·5	65·2	59·4	56·0	55·4	53·8	57·0	57·0	56·5	53·5	52·4	62·84
76·2	73·9	67·6	63·8	63·0	60·2	—	—	—	—	—	—	
—	—	—	—	—	—	68·9	66·7	68·0	65·0	64·4	64·4	69·33
76·9	71·7	66·6	63·9	62·1	60·2	58·8	58·4	58·0	57·5	56·8	57·3	67·38
73·0	68·8	66·7	63·4	59·5	56·6	57·0	53·8	53·7	57·2	58·0	55·4	64·87
70·2	67·2	64·6	65·7	64·2	64·4	63·2	60·7	60·2	60·0	59·4	57·6	68·05
71·7	67·7	62·7	60·8	60·0	58·5	58·4	58·7	59·5	60·4	59·0	58·0	65·51
78·9	74·7	72·6	72·8	69·4	68·2	70·0	70·7	70·2	70·0	66·2	65·6	71·32
70·8	64·6	60·0	56·8	54·4	53·5	—	—	—	—	—	—	
—	—	—	—	—	—	49·8	48·8	48·0	46·8	45·5	45·0	59·07
71·3	71·1	62·0	60·0	58·4	57·5	55·7	54·8	54·2	53·7	52·5	52·0	61·77
73·40	69·80	64·67	62·13	60·30	58·77	57·60	56·75	56·38	55·82	54·82	54·44	64·58
72·8	65·4	60·0	56·2	52·6	52·4	50·7	49·5	49·0	48·2	46·5	44·9	59·16
68·4	67·7	61·7	58·2	57·0	55·0	53·1	52·6	52·5	50·4	49·8	49·6	60·81
76·2	69·0	63·1	60·2	59·0	58·2	57·5	57·2	56·2	55·6	55·1	54·2	65·12
76·4	69·7	65·4	63·5	63·9	64·4	65·3	67·1	62·0	61·0	61·0	63·6	68·67
74·1	69·6	67·7	66·9	66·0	65·4	—	—	—	—	—	—	
—	—	—	—	—	—	64·6	64·2	64·2	63·8	64·4	64·0	69·96
71·2	70·6	69·4	68·5	67·4	66·8	65·3	64·6	63·8	63·9	63·1	62·6	69·66
74·5	70·7	66·8	65·4	64·2	60·0	58·7	57·8	56·2	54·0	55·4	53·2	66·42
73·0	67·4	63·0	61·2	60·6	59·4	60·2	61·3	62·4	61·4	58·8	56·6	64·66
72·4	69·5	64·0	62·9	63·8	64·9	63·2	62·7	61·0	61·5	61·4	62·0	67·93
78·9	68·9	65·9	66·6	65·1	64·8	63·8	63·6	63·5	62·2	58·0	57·0	68·05
80·0	73·3	71·4	66·3	65·8	60·4	—	—	—	—	—	—	
—	—	—	—	—	—	62·7	61·7	60·7	64·3	65·0	66·8	70·77
79·9	73·6	68·0	65·6	64·5	63·8	63·0	61·0	60·8	60·2	60·4	58·0	69·04
73·4	67·7	62·4	61·0	59·4	57·8	57·2	56·1	55·2	54·7	55·4	55·0	64·45
78·7	73·8	71·0	66·5	66·4	67·0	63·2	63·4	63·8	66·6	66·0	65·6	70·22
72·1	69·4	68·2	67·2	67·0	65·2	65·4	64·8	61·5	59·7	57·6	59·6	68·51
73·1	66·0	62·5	60·2	59·4	57·6	56·0	56·2	54·2	52·7	49·3	50·2	63·18
66·4	63·6	60·8	60·4	60·2	60·1	—	—	—	—	—	—	
—	—	—	—	—	—	56·0	56·5	56·2	55·0	54·5	55·6	61·90
70·9	61·2	57·2	55·5	54·8	54·0	53·8	54·2	53·8	53·2	52·4	52·0	61·66
69·0	64·2	61·2	60·4	59·2	58·5	57·4	56·2	55·8	55·6	56·2	52·6	62·88
74·3	65·8	61·9	58·9	59·9	58·0	58·8	57·5	56·7	50·4	48·0	47·6	63·45
68·6	64·8	61·0	60·5	59·7	56·0	54·8	53·9	52·6	51·0	49·8	49·2	62·35
71·1	67·8	64·0	62·2	60·8	59·8	58·4	56·9	56·6	56·2	56·4	55·2	64·70
74·2	71·2	68·2	67·4	66·0	67·8	—	—	—	—	—	—	
—	—	—	—	—	—	67·2	67·2	66·8	66·4	65·8	65·8	70·58
73·2	68·8	66·2	64·0	63·3	63·0	62·9	63·2	62·8	61·8	61·7	60·4	68·38
75·1	68·2	64·3	62·0	61·5	61·0	61·0	60·5	59·0	59·0	57·8	56·0	67·51
78 1	72·1	69·4	67·6	66·0	65·4	66·0	67·7	66·3	66·4	66·4	65·2	71·11
83·5	74·5	72·8	73·7	72·5	68·0	68·4	66·4	64·7	63·8	63·1	63·6	74·01
74·06	68·69	65·09	63·30	62·44	61·29	60·54	60·15	59·23	58·48	57·75	57·26	66·49

STANDARD THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
SEPTEMBER.	1	65·6	68·6	70·2	70·8	73·1	76·8	77·2	78·4	78·2	74·8	80·0	78·7	75·8	73·5
	2	65·8	68·2	70·4	69·6	72·4	76·4	78·8	82·2	81·6	81·2	79·9	80·1	75·7	74·6
	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	67·0	68·2	69·8	72·6	74·2	76·0	78·4	79·6	80·5	79·8	79·2	77·6	74·9	70·2
	5	61·8	65·0	62·0	63·6	65·0	67·6	69·9	70·7	70·9	71·5	72·3	68·6	67·2	62·7
	6	60·4	61·4	62·8	65·4	66·4	69·9	69·4	69·2	70·9	69·6	69·5	68·5	67·6	67·4
	7	65·0	65·6	65·0	66·7	69·2	70·0	71·2	72·.,	72·5	72·0	72·4	70·9	69·1	66·6
	8	62·0	62·8	63·4	66·4	68·2	70·0	72·5	70·4	70·3	74·5	74·4	71·8	67·9	64·4
	9	47·8	49·4	51·8	54·8	57·1	58·3	59·7	61·3	62·6	63·5	62·5	62·2	55·4	52·5
	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	41·8	47·6	52·2	55·0	56·8	58·6	60·4	61·9	62·8	63·5	64·3	65·1	56·9	49·3
	12	43·2	46·4	49·4	53·0	55·6	57·4	59·8	59·8	61·5	62·5	62·3	62·0	56·8	49·2
	13	46·2	51·0	55·2	57·6	58·0	58·6	58·4	59·4	58·8	59·4	58·2	58·0	58·7	59·6
	14	55·4	54·8	55·0	54·8	54·8	55·4	55·8	56·2	56·3	56·3	55·5	54·7	54·5	54·8
	15	58·6	58·4	58·4	58·8	60·4	60·0	61·0	63·6	66·4	68·7	71·0	70·0	65·4	63·2
	16	57·2	58·7	61·6	62·8	65·3	67·4	68·0	68·8	68·6	68·1	68·7	66·9	63·6	62·1
	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	63·0	69·4	70·2	70·0	71·2	72·6	74·0	75·6	74·5	72·9	72·1	70·2	67·8	65·0
	19	50·0	54·0	57·6	60·6	62·2	63·4	64·8	65·8	64·2	64·0	64·1	62·7	60·7	58·8
	20	56·4	59·2	60·7	62·2	61·3	61·5	61·2	65·6	68·3	68·2	68·2	64·9	62·3	60·8
	21	61·4	65·0	68·0	76·8	80·7	82·6	84·2	85·3	86·3	84·9	77·6	74·6	71·4	67·6
	22	47·0	40·8	53·4	55·2	56·0	56·8	57·7	59·0	57·4	56·8	56·8	56·1	54·8	54·2
	23	56·8	57·2	60·2	62·4	64·6	64·7	68·0	72·1	73·0	73·5	75·7	75·6	70·4	67·9
	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	55·0	54·8	55·0	55·0	54·8	56·0	56·4	57·5	58 0	57·2	57·5	56·5	54·9	53·7
	26	47·2	47·0	46·4	48·2	46·5	46·6	47·6	48·5	48·2	49·3	48·3	47·1	46·4	44·0
	27	37·0	37·8	37·4	38·4	42·2	43·4	46·2	47·9	49·3	51·6	51·8	52 5	45·4	40·2
	28	34·2	36·2	40·4	43·0	47·8	50·6	54·0	55·0	56·5	56·5	54·0	55·9	47·8	44·5
	29	43·2	44·8	48·6	51·2	54·8	57·6	59·8	59·6	62·4	63·0	61·5	61·2	57·8	54·1
	30	43·0	44·8	51·0	53·7	56·4	58·8	60·0	61·0	61·9	61·2	60·4	57·0	56·5	56·4
	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		53·54	55·62	57·54	59·64	61·35	62·96	64·40	65·65	66·23	66·33	66·08	64·98	61·77	59·13
OCTOBER.	2	51·4	52·4	53·8	56·2	56·9	57·9	60·2	60·8	60·3	59 7	60·1	58·1	53·2	50·6
	3	44·0	46·4	47·8	50·0	52·2	53·0	53·8	52·8	52·0	53·0	52·7	49·6	47·2	46·4
	4	43·4	44·4	46·4	48·6	50·8	52·8	48 8	52·0	51·8	50·0	52·4	52·4	48·3	44·5
	5	36·8	40·0	45·4	47·5	50·4	51·0	53·8	56 2	57·6	59 3	58·3	55·5	54·1	53·7
	6	42·8	47·4	50·6	55·4	58·7	59·6	61·8	63·0	63·4	61·7	59·2	59·2	56·8	57·0
	7	56·0	56·2	54·6	54·6	55·0	55 2	55·4	55·6	56·3	56·4	55·7	54·3	54·3	55·2
	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	36·2	38·4	42·0	45·8	47·6	48·4	50·0	52·0	48·8	47·9	47·9	47·5	46·5	46·0
	10	38·0	39·8	43·6	47·0	46·4	47·8	48·4	49·2	51·1	49·5	49·0	47·2	47·2	46·4
	11	49·6	50·0	50·4	51·0	51·5	51·6	52·2	52·2	52·8	52·6	52·4	52·0	51·0	50·6
	12	45·4	40·8	47·0	49·8	51·8	52·8	53·0	50·6	52·0	50·4	49·2	48·5	45·3	43·2
	13	35·2	36·2	38·5	41·6	43·0	44·0	45·8	46·2	46·2	46·4	45·8	43·7	40·4	39·2
	14	31·2	32·4	34·8	36·8	38·8	41·4	41·2	42·2	42·3	41·5	42·0	40·9	39·5	37·5
	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	38·6	38·8	39·8	41·0	43·6	45·0	47·2	46·8	46·8	45·5	45·4	42·5	40·6	40·4
	17	38·0	37·4	38·4	40·1	40·2	42·4	42·2	42·5	42·8	42·6	41·1	39·8	38·6	38·4
	18	38·0	38·4	39·8	41·4	45·0	46·9	48·7	48·1	47·6	48·4	46·3	45·0	43·7	42·6
	19	32·1	33·0	35·8	40·4	43·6	43·6	45·4	46·4	48·4	48·5	47·1	44·6	41·8	41·0
	20	41·4	42·6	45·0	47·8	49·8	52·0	53·2	54·8	56·4	56·9	57·8	55·4	55·6	54·0
	21	52·0	50·4	49·8	50·0	49·9	48·4	47·3	46·3	45·5	44 4	42·2	40·5	38·8	37·5
	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	25·0	26·4	30·7	33·4	35 9	36·9	38·6	39·6	40·5	40·9	41·1	38·8	33·4	30·5
	24	28·4	28·0	31·0	36·0	39·0	40·6	42·2	43·4	45·6	45·4	43·9	40·0	36·0	33·4
	25	37·6	38 4	39·4	41·8	45·0	48·0	47·2	45·2	45·5	45·4	39·8	31·8	36·7	35·5
	26	27·8	27·0	29·4	33·3	·4	37·2	39·4	38·5	41·1	38·7	36·4	35·3	35·6	35·9
	27	29·0	28·2	28·4	29·3	8	32·0	31·8	31·8	31·9	32·6	32·9	32·4	32·0	32·2
	28	29·2	28·8	31·2	33·0	.	37·8	39·4	41·2	40·4	41·5	40·3	37·2	33·3	32·3
	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	34·4	34·2	34·6	3 .	. ·8	38·0	38·0	34·7	35·3	34·1	33·1	32·8	31·0	29·8
	31	27·6	26·8	29·6	·.·8	34·4	36·0	37·0	37·6	39·4	38·7	37·6	36·0	35·0	32·0
Hourly Means		38·04	38·57	40·2?	43·05	44·95	46·17	47·00	47·30	47·76	47·38	46·53	44·85	42·92	41·7

10	11
4	5
80·0	78·7
79·9	80·1
—	—
79·2	77·6
72·3	68·6
69·5	68·5
72·4	70·9
74·4	71·8
62·5	62·2
—	—
64·3	65·1
62·3	62·0
58·2	58·0
55·5	54·7
72·0	70·0
68·7	66·9
—	—
72·1	70·2
64·1	62·7
68·2	64·9
77·6	74·6
56·8	56·1
75·7	75·6
—	—
57·5	56·5
48·3	47·1
51·8	52·5
54·0	55·9
61·5	61·2
60·4	57·0
—	—
66·08	64·98
60·1	58·1
52·7	49·6
52·4	52·4
58·3	55·5
59·2	59·2
55·7	54·3
—	—
47·9	47·5
49·0	47·2
52·4	52·0
49·2	48·5
45·8	42·7
42·0	40·9
—	—
45·4	42·5
41·1	39·8
46·3	45·0
47·1	44·6
57·8	55·4
42·2	40·5
—	—
41·1	38·8
43·9	40·0
39·8	37·6
36·4	35·3
32·9	32·4
40·3	37·2
—	—
33·1	32·8
37·6	36·0
46·53	44·85

STANDARD THERMOMETER.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
75·8	73·5	72·2	71·0	68·0	66·0	70·2	69·5	68·7	68·2	67·7	66·6	72·08
75·7	74·6	74·1	73·3	72·6	71·4	—	—	—	—	—	—	74·11
—	—	—	—	—	—	73·8	73·4	73·8	73·0	70·0	66·4	
74 9	70·2	68·3	65·9	6[illegible]·8	[illegible]	64·0	63·1	62·0	62·2	61·7	61·0	70·17
67·2	62·7	59·8	58·5	5		58·0	58·8	58·5	59·8	60·1	60·4	63·66
67·8	67·4	67·0	67·2	[illegible]·2		64·8	65·0	65·7	66·0	65·8	65·2	66·58
69·1	66·6	65·2	64·0	64·1		64·0	64·0	60·[illegible]	[illegible]·0	61·5	61·6	66·59
67·9	64·4	61·7	58·7	57·2	56·0	54·2	52·2	50·[illegible]	[illegible]·0	49·2	48·2	62·39
55·4	52·5	49·8	48·7	47·2	45·6	—	—	—	—	—	—	52·42
—	—	—	—	—	—	47·6	46·8	45·6	44·2	43·3	40·4	
56·9	49·3	47·4	45·8	43·5	42·2	41·8	43·6	43·7	43·6	44·5	43·7	51·50
56·8	49·2	45·4	45·0	43·5	43·3	43·2	44·4	48·5	50·0	51·0	50·4	51·82
58·7	59·6	60·0	60·8	61·4	59·5	59·2	58·5	57·8	57·0	56·2	56·4	57·66
54·5	54·8	55·4	55·8	56·5	57·2	57·5	58·1	58·4	58·7	58·6	58·6	56·21
65·4	63·2	62·2	59·9	59·3	60·6	59·7	58·9	58·1	58·0	58·1	57·2	61·50
63·6	62·1	59·9	57·2	58·6	58·0	—	—	—	—	—	—	64·30
—	—	—	—	—	—	67·9	66·3	67·5	67·2	67·3	65·4	
67·8	65·0	61·4	59·4	55·8	51·9	50·0	49·2	48·5	47·7	49·7	48·6	62·95
60·7	58·8	57·2	56·4	56·0	56·4	58·8	58·7	59·0	58·8	58·2	57·0	59·56
62·3	60·8	60·4	59·4	58·5	57·6	57·4	57·4	58·6	58·6	59·2	58·5	61·10
71·4	67·6	65·2	63·2	59·8	59·2	58·1	57·0	52·4	50·7	50·4	48·2	67·94
54·8	54·2	55·6	55·0	53·0	52·2	55·6	53·8	54·0	55·8	57·0	56·4	54·98
70·4	67·9	69·2	70·5	70·0	69·8	—	—	—	—	—	—	64·77
—	—	—	—	—	—	56·0	55·8	55·6	55·0	55·4	55·0	
54·9	53·7	53·3	53·0	52·1	51·8	50·7	49·7	49·0	48·5	47·8	47·8	53·59
46·4	44·0	43·7	43·0	42·0	40·6	39·5	39·0	38·8	38·5	37·8	37·2	44·22
45·4	40·2	37·6	38·8	38·5	37·9	36·7	36·3	34·2	33·3	33·2	34·4	40·92
47·8	44·5	42·2	41·1	41·4	40·5	39·4	38·8	39·8	40·8	41·2	42·2	45·16
57·8	54·1	54·0	53·0	48·8	46·0	44·7	46·2	44·1	44·2	43·0	42·6	51·92
56·5	56·4	56·8	56·6	57·2	56·8	—	—	—	—	—	—	55·41
—	—	—	—	—	—	56·2	55·0	54·5	52·2	51·4	51·0	
61·77	59·13	57·88	56·97	55·94	55·02	54·96	54·60	54·15	53·88	53·82	53·09	58·98
53·2	50·6	45·8	48·8	48·4	46·2	45·0	47·4	47·[illegible]	46·8	45·3	44·4	52·37
47·2	46·4	45·8	44·6	43·3	42·9	42·7	42·0	41·7	41·7	41·9	41·8	47·05
48·3	44·5	44·0	42·4	43·0	42·4	42·2	42·0	41·4	40·8	38·5	37·0	45·85
54·1	53·7	52·7	49·4	47·2	47·0	47·5	49·7	49·5	47·4	45·1	43·6	49·95
56·8	57·0	57·5	57·2	56·7	56·7	56·8	56·5	56·0	55·8	56·0	55·6	56·72
54·3	55·2	55·2	55·0	52·9	51·6	—	—	—	—	—	—	50·23
—	—	—	—	—	—	39·8	37·9	35·4	35·2	33·7	34·0	
46·5	46·0	45·6	45·1	44·4	42·5	41·8	40·7	37·8	37·5	38·0	37·8	44·01
47·2	46·4	46·8	46·5	46·0	45·5	45·2	45·4	46·4	46·9	47·4	49·0	46·49
51·0	50·6	50·6	49·4	48·5	47·2	48·4	47·7	46·7	46·5	46·2	45·2	49·85
45·3	43·2	41·2	39·3	38·3	37·2	34·9	32·9	33·6	33·8	34·0	35·2	43·34
40·4	39·2	37·9	36·2	32·7	32·6	32·6	32·0	31·5	31·0	31·1	31·0	38·32
39·5	37·5	37·6	37·1	36·2	35·8	—	—	—	—	—	—	38·30
—	—	—	—	—	—	38·4	38·0	38·0	38·7	38·5	38·4	
40·6	40·4	40·4	40·0	39·0	39·7	39·5	39·0	38·7	38·4	38·0	37·8	41·35
38·6	38·4	38·0	38·2	38·0	38·5	38·2	38·0	38·3	38·5	38·4	38·0	39·44
43·7	42·6	41·8	40·5	37·8	37·2	34·4	35·4	34·7	34·5	32·6	31·8	40·86
41·8	41·0	40·8	39·5	38·5	36·4	36·7	36·5	36·8	37·2	37·4	38·2	40·41
55·6	54·0	55·4	54·8	54·4	52·2	53·2	56·8	55·2	54·6	55·0	54·8	52·88
38·8	37·5	37·0	36·5	36·5	36·2	—	—	—	—	—	—	40·05
—	—	—	—	—	—	31·2	30·4	29·7	28·2	26·5	26·0	
33·4	30·5	30·4	29·2	29·4	29·0	28·5	29·0	28·2	28·8	28·2	28·2	32·53
36·0	33·4	32·6	33·0	32·4	31·4	32·0	33·1	32·4	32·8	34·8	36·2	35·98
36·7	35·5	34·2	34·0	30·0	28·9	29·2	29·4	29·0	30·5	29·8	28·0	36·93
35·6	35·9	36·4	36·0	36·2	36·5	35·5	33·5	33·2	32·2	32·2	30·2	34·75
32·0	32·2	32·4	33·0	33·4	32·8	31·6	31·4	30·7	30·2	28·0	29·2	31·17
33·3	32·3	34·8	35·1	39·2	39·8	—	—	—	—	—	—	35·78
—	—	—	—	—	—	36·8	35·5	34·2	33·0	33·4	34·4	
31·0	29·8	29·4	29·2	29·4	28·9	28·7	28·3	28·4	28·3	28·6	27·8	32·06
35·0	32·0	30·2	31·4	31·4	27·6	27·3	28·8	31·4	35·8	36·0	36·5	33·16
42·92	41·76	41·33	40·82	40·12	39·33	38·43	38·36	37·93	37·89	37·48	37·31	41·92

STANDARD THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
NOVEMBER.	1	37·0	35·6	36·0	37·4	36·1	35·[illegible]	33·9	34·1	33·7	34·3	35·5	36·7	37·0	37·2
	2	34·8	35·4	35·8	37·8	38·8	39·3	39·5	39·3	38·1	37·0	36 4	35·5	34·8	34·2
	3	31·4	31·4	31·6	32·2	33·2	34·4	35·4	36·7	36·0	35·4	33·8	32·2	31·6	30·5
	4	26·2	27·0	27·6	28·6	30·2	30·0	29·8	29·8	29·9	29·9	29·4	28·7	28·2	27·8
	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	19·6	19·2	23·4	27·0	29·5	31·6	33·6	33·8	34·2	35·2	33·2	32·4	31·2	30·6
	7	30 2	30·4	31·6	31·8	33·6	34·2	35·0	35·6	35·7	36·7	35·7	34·4	34·2	34·7
	8	32·6	32·4	33·0	33·2	34·2	35·0	34·6	35·7	35·6	34·6	34·0	33·8	33·7	33·5
	9	31·0	30·6	31·4	34·0	35·2	37·2	38·0	37·8	37·4	38·4	36·2	36·2	36·6	36·7
	10	33·6	33·8	34·4	35·0	36·2	38·6	40·0	40·0	40·3	39·7	39·3	38·9	38·8	38·8
	11	35·4	36·4	36·8	37·0	37·4	37·6	37·4	37·8	37·7	37·5	36·8	36·2	35·2	33·5
	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	30·4	29·6	30·4	31·2	33·2	35·4	35·6	31·6	33·9	33·7	30·2	29·2	28·0	27·0
	14	21·0	20·8	20·8	22·2	23·0	23·8	25·5	28·6	28·3	27·5	25·6	23·5	22·8	23·4
	15	30·4	30·8	32·0	33·0	33·4	34·6	35·0	33·1	33·2	34·2	34·6	35·1	35 9	36·9
	16	39·4	39·6	40·4	40·8	42·0	43·0	44·4	48·1	48·7	46·4	44·8	43·0	44·3	42·9
	17	30·6	31·2	32·4	35·0	38·2	41·8	42·0	41·7	41·0	41·0	41·0	41·0	41·6	41·8
	18	42·0	42·4	42·8	44·0	45·0	43·5	43·5	44·8	44·0	43·0	41·3	39·8	38·1	37·2
	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	28·4	28·8	32·6	35·2	37·8	40·2	42·0	43·6	41·5	42·7	40·2	38·0	39·2	39·2
	21	39·8	39·8	40·6	42·2	44·6	44·2	43·9	43·4	43·8	42·2	41·5	41·1	40·2	39·3
	22	30·6	31·2	32·0	33·8	34·8	35·1	35·6	35·5	35·3	35·1	35·3	35·1	35·0	34·0
	23	25·8	27·6	30·8	33·2	36·4	36·9	38·8	39·3	38·5	38·8	38·7	38·8	39·6	40·2
	24	46·4	51·6	49·4	46·2	45·4	44·6	45·4	44·2	44·8	43·8	42·5	39·8	38·2	36·9
	25	30·6	30·3	31·2	33·4	35·5	36·5	37·5	39·3	40·4	40·8	39·9	36·9	35·8	34·2
	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	22·2	22·2	21·8	21·8	22·2	22·	23·6	24·5	25·4	26·7	26·3	23·2	20·4	19·3
	28	15·4	15·8	17·4	21·6	23·6	2[illegible]	28·2	28·5	29·5	30·5	30·9	29·0	28·4	27·0
	29	28·2	28·4	28·8	29·8	31·8	33·[illegible]	33·6	33·4	33·5	34·0	33·7	32·8	32·6	32·0
	30	24·8	24·0	23·6	25·0	26·4	27·5	28·2	28·2	27·8	27·5	27·2	27·2	27·4	27·4
Hourly Means		30·68	31·01	31·87	33·17	34·53	35·46	36·17	36·48	36·47	36·41	35·54	34·56	34·19	33·73
DECEMBER.	1	28·4	28·4	28·8	30·0	31·3	32·5	33·2	33·6	33·4	33·3	32·1	32·0	31·7	31·4
	2	28·8	29·4	29·8	30·6	32·0	33·5	35·2	36·0	36·0	35·2	33·6	31·6	29·8	28·6
	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	33·8	33·8	34·8	36·1	37·4	40·0	41·4	39·7	40·6	39·1	37·4	36·4	35·6	35·2
	5	27·5	26·2	25·3	24·8	25·2	23·2	22·8	22·8	23·7	23·8	21·1	19·2	20·0	18·2
	6	20·6	21·6	25·8	26·8	28·4	29·6	30·2	30·5	30·8	30·4	29·7	29·8	30·2	30·9
	7	27·6	27·4	28·0	30·2	31·0	30·4	31·2	31·4	31·6	30·5	30·1	29·7	29·5	29·3
	8	30·4	30·2	28·8	27·6	28·6	29·6	31·2	30·6	31·4	32·2	32·2	32·6	32·8	32·4
	9	28·6	29·2	29·2	29·8	31·0	31·4	32·2	32·6	32·6	32·1	30·9	29·6	27·7	26·9
	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	36·0	36·2	37·4	37·2	37·0	37·6	37·3	36·9	36·9	36·5	35·5	34·4	34·2	31·2
	12	19·6	16·6	15·0	15·6	16·8	17·8	18·0	18·4	17·4	16·4	15·4	14·2	13·2	12·3
	13	4·6	7·0	11·6	14·0	19·2	23·8	25·0	27·1	28·2	29·7	28·6	27·6	27·8	28·3
	14	28·0	29·4	30·8	31·8	33·8	35·4	37·0	37·5	37·6	37·3	36·8	36·6	36·4	36·6
	15	34·2	35·0	34·6	35·0	36·4	37·8	37·8	36·8	36·8	34·8	33·8	33·5	33·4	33·3
	16	34·4	34·4	34·4	34·4	34·4	34·4	34·6	34·4	34·6	34·5	33·3	32·9	32·4	32·1
	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	30·2	30·2	30·4	31·2	32·4	33·0	32·4	33·2	33·2	33·0	32·8	31·8	31·3	30·5
	19	28·8	28·6	29·0	29·8	32·0	33·4	33·8	34·1	34·0	33·7	32·9	32·4	31·4	30·7
	20	33·4	33·6	34·0	34·4	35·6	36·4	37·8	38·2	38·0	38·1	37·8	36·8	36·4	36·0
	21	33·8	33·8	34·0	34·1	35·0	36·2	37·2	37·3	37·8	38·5	37·8	35·9	35·5	35·1
	22	30·4	29·4	30·6	31·4	33·4	37·2	37·4	38·1	36·9	36·2	35·7	35·2	35·2	35·6
	23	33·4	33·6	33·8	34·0	34·0	34·2	34·2	34·3	34·0	33·9	34·0	34·4	34·8	35·2
	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	25 [a]	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	35·2	35·2	35·4	34·8	35·2	35·8	36·8	37·3	37·7	38·0	38·8	39·1	39·0	38·7
	27	38·0	37·4	36·8	38·4	39·4	40·6	39·8	39·8	40·4	39·8	38·9	38·2	37·4	36·5
	28	32·4	32·2	32·4	33·0	33·6	35·6	36·6	37·3	35·3	35·7	33·9	32·1	30·8	29·7
	29	26·8	26·4	26·2	25·2	25·2	26·8	26 8	27·6	27·7	28·0	28·0	26·0	28·4	28·2
	30	27·0	27·0	27·2	27·8	28·5	28·8	29·2	29·0	29·0	27·5	27·2	26·3	26·0	26·2
	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		29·28	29·29	29·76	30·32	31·47	32·59	33·16	33·38	33·42	33·13	32·33	31·61	31·24	30·76

[a] Christmas Day.

10	11
4	5
°	°
35·5	36·7
36 4	35·5
33·8	32·2
29·4	28·7
—	—
33·2	32·4
35·7	34·4
34·0	33·8
36·2	36·2
39·3	38·9
36·8	36·2
—	—
30·2	29·2
25·6	23·5
34·6	35·1
44·8	43·0
41·0	41·0
41·3	39·8
—	—
40·2	38·0
41·5	41·1
35·3	35·1
38·7	38·8
42·5	39·8
39·9	36·9
—	—
26·3	23·2
30·9	29·0
33·7	32·8
27·2	27·2
35·54	34·55
32·1	32·0
33·6	31·6
—	—
37·4	36·4
21·1	19·2
29·7	29·8
30·1	29·7
32·2	32·6
30·9	29·5
—	—
35·5	34·4
15·4	14·2
28·6	27·6
36·8	36·6
33·8	33·5
33·3	32·9
—	—
32·8	31·8
32·9	32·4
37·8	36·8
37·8	35·9
35·7	35·2
34·0	34·4
—	—
—	—
38·8	39·1
38·9	38·2
33·9	32·1
28·0	26·0
27·2	26·3
—	—
32·33	31·61

STANDARD THERMOMETER.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°
37·0	37·2	37·1	38·1	38·4	38·5	37·5	36·9	35·8	35·7	35·3	34 8	36·17
34·8	34·2	33·6	33·2	33·2	32·3	32·1	32·2	32·6	32·4	32·4	31·6	35·10
31·6	30·5	30·2	30·4	30·2	30·0	29·0	27·2	26·5	26·4	26·0	25·8	31·15
28·2	27·8	27·2	27·1	27·0	27·1	—	—	—	—	—	—	26·58
—	—	—	—	—	—	22·2	21·8	21·4	21·3	19·1	20·6	
31·2	30·6	31·0	31·2	31·2	30·8	30·5	30·6	30·5	30·4	30·2	30·0	30·04
34·2	34·7	34·7	33·5	34·4	34·6	33·8	33·9	33·7	33·7	33·8	32·8	33·86
33·7	33·5	33·0	32·9	32·2	31·9	32·1	32·3	31·7	31·7	31·9	31·4	33·21
36·6	36·7	36·9	36·0	36·8	37·1	35·8	34·1	33·8	33·6	33·5	33·4	35·32
38·8	38·8	38·4	38 2	36·8	36·0	35·4	34·6	34·5	35·1	34·7	35·4	36 94
35·2	33·5	33·5	32·7	31·6	31·0	—	—	—	—	—	—	34·17
—	—	—	—	—	—	29·8	29·8	20·5	29·7	29·8	30·0	
28·0	27·0	26·7	27·0	25·5	24·5	23·2	22·6	21·4	20·9	20·7	21·0	28·04
22·8	23·4	26·4	27·3	26·9	27·2	27·3	27·7	28·3	28·5	28·9	30·0	25·64
35 9	36·9	37·5	38·1	38·1	37·8	37·5	38·0	38·8	39·2	39·5	39·0	35·65
44·3	42·9	40·4	37·8	33·5	32·0	31·2	30·4	30·2	30·2	31·0	31·3	38·99
41·6	41·8	42·4	43·2	42·3	42·0	41·9	40·3	40·3	41·7	42·3	41·8	39·94
38·1	37·2	37·6	38·1	37·5	36·3	—	—	—	—	—	—	38·78
—	—	—	—	—	—	33·7	32·5	31·8	31·4	31·4	29·0	
39·2	39·2	40·0	40·1	39·2	38·9	38·8	38·5	38·7	39·6	40·4	40·0	38·48
40·2	39·3	39·2	37·9	37·8	35·6	35·4	33·5	33·4	31·8	31·5	31·2	38·91
35·0	34·0	32·1	31·5	29·8	28·2	28·5	27·3	26·5	25·7	25·4	25·4	31·62
39·8	40·2	40·8	41·5	42·2	43·2	45·0	45·8	45·8	46·1	18·1	47·8	39·57
38·2	36·9	36·9	35·8	34·4	34·4	34·4	34·0	34·0	33·6	32·4	29·8	39·95
35·8	34·2	32·3	30·2	29·6	29·2	—	—	—	—	—	—	31·78
—	—	—	—	—	—	23·7	23·4	23·5	23·2	22·7	22·5	
20·4	19·3	19·2	18·5	18·2	18·0	18·2	19·0	18·5	18·0	16·5	16·2	20·95
28·4	27·0	27·7	28·2	27·8	27·8	28·2	28·5	28·4	28·4	28·4	28·2	26·40
32·6	32·0	30·5	30·2	29·7	28·5	28·0	27·9	27·3	26·2	25·3	25·2	30·19
27·4	27·4	27·8	27·0	26·8	27·0	28·4	28·4	28·2	29·2	28·4	28·2	27·15
34·19	33·73	33·58	33·30	32·72	32·30	31·60	31·19	30·97	30·91	30·75	30·48	33·25
31·7	31·4	31·2	30·8	30·4	30·0	30·0	29·9	29·9	30·1	29·4	28·8	30·85
29·8	28·6	27·8	27·3	27·6	26·6	—	—	—	—	—	—	31·67
—	—	—	—	—	—	33·6	33·6	33·4	33·4	33·6	33·4	
35·6	35·2	35·3	36·2	35·4	34·7	33·7	31·4	31·0	30·4	29·8	28·1	35·30
20·0	18·2	16·8	14·2	16·1	13·5	16·2	17·2	18·4	19·0	20·4	20·4	20·67
30·2	30·0	30·5	30·8	31·0	31·2	30·8	30·4	29·8	29·0	28·0	27·8	28·94
29·5	29·3	29·2	29·4	29·5	29·8	30·2	31·2	30·9	31·3	31·2	31·0	30·07
32·8	32·4	31·4	31·5	31·1	28·6	26·3	26·0	30·1	30·3	30·7	29·6	30·26
21·7	26·9	24·4	22·9	22·9	21·5	—	—	—	—	—	—	30·16
—	—	—	—	—	—	33·0	33·6	33·8	55·2	37·3	35·6	
34·2	31·2	31·0	31·7	31·0	30·5	29·0	28·1	27·5	25·8	24·2	22·2	32·72
13·2	12·3	12·3	11·2	9·7	8·9	9·1	6·0	4·8	4·2	4·2	4·4	12·55
27·8	28·3	28·5	28·8	29·4	29·5	29·4	28·7	28·6	28·8	27·6	28·0	24·66
36·4	36·6	36·5	36·1	36·3	36·1	35·8	35·4	35·6	34·7	34·5	34·2	35·01
33·4	33·3	33·3	33·1	33·2	33·5	33·3	33·6	33·5	33·8	34·0	34·4	34·53
32·4	32·1	31·7	31·0	30·4	29·8	—	—	—	—	—	—	32·67
—	—	—	—	—	—	31·8	31·2	31·0	30·8	30·5	30·6	
31·3	30·5	30·4	30·0	30·0	29·8	28·9	28·8	28·5	29·0	28·8	28·8	30·77
31·4	30·7	30·4	30·8	30·5	31·2	31·0	29·2	30·9	32·2	32·9	32·4	31·50
36·4	36·0	36·0	35·8	35·2	34·5	34·3	34·1	34·1	33 0	33·9	33·8	35·50
35·5	35·1	34·6	33·1	34·0	33·3	33·4	32·8	31·7	31·4	32·8	31·8	34·62
35·2	35·6	35·7	35·5	35·5	35·0	34·6	34·4	34·3	34·2	33·9	33·8	34·57
34·8	35·2	34·8	35·2	35·1	34·8	—	—	—	—	—	—	34·31
—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	33·6	33·4	33·8	34·9	35·0	35·0	
39·0	38·7	38·5	38·4	38·6	38·8	38·8	38·5	37·9	38·2	38·1	38·0	37·53
37·4	36·5	35·9	35·2	34·6	34·0	33·6	33·0	33·0	32·8	32·5	32·6	36·60
30·8	20·7	29·5	29·6	28·5	27·8	27·5	27·7	27·7	27·9	27·0	26·8	31·28
28·4	28·2	28·4	28·1	27·3	28·4	28·5	28·0	27·4	26·8	26·6	26·4	27·30
26·0	26·2	26·2	26·6	26·8	26·9	—	—	—	—	—	—	26·88
—	—	—	—	—	—	26·7	26·8	26·1	25·2	24·0	23·2	
31·24	30·76	30·40	30·12	30·00	29·55	30·12	29·72	29·75	29·73	29·64	29·24	30·83

WET THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
JANUARY.	1	° —	° —	° —	° —	° —	° —	° —	° —	° —	° —	° —	° —	° —	° —
	2	22·1	24·2	25·2	—	27·8	29·6	29·9	29·4	28·6	27·4	26·6	26·1	25·4	24·9
	3	10·2	9·0	9·5	10·2	10·6	11·8	12·2	13·6	13·1	12·8	11·5	10·4	9·4	8·7
	4	9·1	8·8	9·1	10·0	12·8	15·9	16·7	19·0	18·8	19·7	18·6	19·3	18·2	18·6
	5	24·0	23·6	24·2	28·3	28·2	31·4	31·4	31·6	31·4	31·4	31·4	31·0	31·6	31·2
	6	30·8	31·5	31·4	31·6	31·4	31·9	34·6	35·7	36·1	36·4	36·3	36·3	36·5	36·5
	7	38·4	38·3	38·4	39·8	40·8	41·1	40·8	40·5	40·8	39·1	38·6	38·5	38·3	34·9
	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	20·4	19·8	20·6	22·7	24·6	25·4	28·2	28·0	28·6	28·2	27·7	26·6	26·2	27·0
	10	31·2	31·2	31·7	32·3	32·4	34·1	34·4	34·3	34·5	34·6	34·5	33·3	32·6	32·3
	11	27·7	26·1	26·7	28·6	28·8	30·2	30·6	31·2	30·6	31·2	30·7	30·6	30·4	30·6
	12	28·7	29·1	28·9	29·2	29·4	30·4	30·4	31·0	31·6	32·2	32·2	32·2	32·3	32·3
	13	32·3	32·3	32·3	32·3	32·6	32·5	32·5	32·4	31·3	26 9	25·2	23·4	22·8	22·4
	14	23·2	22·8	23·2	22·9	23·2	23·4	23·8	24·0	23·9	23·4	22·9	22·4	25·2	25·2
	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	28·4	26·7	25·6	23·9	23·4	23·3	23·4	23·6	24·4	24·2	23·9	22·9	23·4	20·8
	17	19·6	19·7	21·0	23·8	26·9	27·9	28·2	28·4	27·8	27·4	26·5	26·2	26·3	26·6
	18	27·3	26·6	29·1	30·9	32·3	33·4	37·3	38·5	39·1	40·6	38·8	35·4	31·6	32·0
	19	33·0	34·2	33·5	34·5	34·4	35·6	36·2	37·9	38·4	38·3	38·0	39·8	39·5	39·3
	20	37·2	37·1	38·2	37·3	38·1	38·8	40·4	40·3	40·1	37·8	39·8	38·6	39·3	37·3
	21	35·4	34·1	38·5	39·1	42·2	45·9	46·2	45·7	46·9	46·7	46·5	44·2	43·1	41·6
	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	27·3	29·9	29·5	29·4	30·9	31·9	32·8	32·9	33·9	33·7	33·4	32·9	32·6	32·8
	24	32·8	30·3	29·8	28·1	27·1	29·2	30·0	31·0	29·8	30·1	29·6	28·2	27·8	28·3
	25	29·0	27·9	26·0	26·2	23·1	21·1	18·1	15·9	14·6	13·6	12·3	10·9	9·5	8·6
	26	−0·1	−0·7	−0·5	0·8	4·1	8·5	9·9	12·1	15·5	14·9	15·6	13·9	17·1	19·5
	27	26·7	24·3	24·2	24·2	24·9	26·5	27·2	27·9	28·3	27·6	27·7	27·3	27·8	26·7
	28	23·8	23·8	22·9	23·3	24·4	25·7	27·9	27·5	27·4	27·8	27·6	26·0	19·9	17·8
	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	21·2	18·9	19·5	25·5	28·1	29·4	30·0	31·6	32·1	32·3	30·0	29·6	30·0	30·7
	31	32·9	33·6	34·8	35·2	35·4	35·5	35·9	36·2	36·2	36·7	36·6	36·2	33·9	33·4
Hourly Means		25·86	25·55	25·91	26·80	27·61	28·86	29·58	30·01	30·07	29·81	29·33	28·63	28·11	27·70
FEBRUARY.	1	14·3	12·9	13·0	13·5	13·5	14·7	14·4	14·6	15·2	16·5	14·9	14·1	12·8	9·7
	2	−3·1	−3·1	−2·0	1·6	4·5	7·1	8·9	11·1	14·5	14·7	16·3	15·7	14·2	14·6
	3	21·9	22·0	21·5	22·3	22·9	23·3	23·3	24·5	24·3	24·2	24·3	22·7	23·3	23·3
	4	16·7	18·3	20·3	22·4	23·2	25·8	30·0	29·5	28·7	28·6	29·4	27·3	25·4	22·7
	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	10·7	9·3	8·5	9·3	9·9	10·8	12·5	12·3	10·9	10·4	8·3	7·0	4·7	3·9
	7	5·7	5·6	5·8	6·3	7·6	9·3	10·0	12·5	13·6	13·3	13·1	11·9	10·9	9·1
	8	8·6	8·9	8·5	9·9	11·6	12·5	15·5	13·7	13·9	14·5	14·2	13·5	12·7	11·8
	9	4·2	5·6	7·7	10·3	12·3	13·9	15·9	16·0	17·0	16·5	16·3	15·7	15·1	13·4
	10	15·7	16·3	16·5	18·3	19·5	20·5	21·7	21·8	22·1	24·2	25·7	26·6	28·5	29·8
	11	30·5	27·5	20·1	18·5	17·9	17·6	18·0	16·7	16·8	17·7	17·6	16·7	14·7	13·1
	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	9·9	9·6	9·9	11·8	12·5	13·9	16·8	16·9	15·9	16·6	15·5	14·5	13·7	13·1
	14	8·0	6·4	7·5	8·6	6·7	7·1	10·5	10·3	10·4	9·9	9·8	9·5	8·5	7·7
	15	3·2	3·4	5·4	5·5	8·0	9·6	12·0	13·3	14·0	14·4	13·7	13·1	10·1	8·3
	16	3·8	3·9	2·8	4·5	7·0	9·2	10·3	11·6	12·6	12·4	10·3	8·9	6·6	4·1
	17	−12·3	−12·3	−7·8	−1·4	3·4	5·7	8·2	8·9	9·6	10·0	8·1	8·3	5·7	5·1
	18	−11·0	−10·6	−8·0	−1·7	2·9	5·8	9·1	10·6	10·9	10·1	11·0	10·5	5·3	5·6
	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	2·6	0·6	5·1	9·9	14·1	15·7	18·5	20·0	21·5	20·8	20·9	20·0	19·2	17·8
	21	10·8	12·7	15·9	19·1	22·9	24·9	24·2	25·7	25·1	25·2	25·2	23·2	23·2	23·3
	22	17·5	17·4	17·7	17·8	18·4	18·4	17·3	15·9	16·1	15·9	14·8	13·5	9·6	7·5
	23	1·7	0·5	4·6	7·3	9·6	9·6	14·1	12·7	15·0	14·1	14·4	13·1	10·1	5·2
	24	6·2	6·6	7·6	11·1	14·9	16·5	18·3	22·1	24·0	23·0	24·0	22·2	21·7	21·7
	25	21·1	20·9	21·0	21·5	23·2	26·0	28·2	29·4	31·4	31·3	30·6	29·9	29·8	29·6
	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	18·4	17·7	17·8	18·6	19·3	20·9	22·9	23·8	23·3	23·0	24·2	22·9	21·5	22·3
	28	18·1	17·7	18·2	20·0	19·4	22·9	25·2	25·1	24·6	22·9	21·7	20·3	18·7	17·5
Hourly Means		9·30	9·06	9·90	11·87	13·55	15·07	16·91	17·46	17·97	17·93	17·68	16·71	15·25	14·17

10	11
4	5
°	°
—	—
26·6	26·1
11·5	10·4
18·6	19·3
31·4	31·0
36·3	36·3
38·6	38·5
—	—
27·7	26·6
34·5	33·3
30·7	30·6
32·2	32·2
25·2	23·4
22·9	22·4
—	—
23·9	22·9
26·5	26·2
38·8	35·4
38·0	39·8
39·8	38·8
46·5	44·2
—	—
33·4	32·9
29·6	28·2
12·3	10·9
15·6	15·9
27·7	27·3
27·6	26·0
—	—
30·0	29·6
36·6	36·2
29·33	28·63
14·9	14·1
16·3	15·7
24·3	22·7
29·4	27·3
—	—
8·3	7·0
13·1	11·9
14·2	13·5
16·3	15·7
25·7	26·6
17·6	16·7
—	—
15·5	14·3
9·8	9·5
13·7	13·1
10·3	8·9
8·1	8·3
11·0	10·5
—	—
20·9	20·0
25·2	23·2
14·8	13·5
14·4	13·1
24·0	22·2
30·6	29·9
—	—
24·2	22·9
21·7	20·3
17·68	16·71

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°
—	—	—	—	—	—	—	—	—	—	—	—	—
25·4	24·9	23·9	22·7	22·6	23·2	18·3	17·8	17·4	14·6	13·0	12·0	23·16
9·4	8·7	10·0	11·0	11·5	11·2	10·5	10·0	10·0	10·0	9·4	0·6	10·68
18·2	18·8	20·4	19·6	18·1	18·8	19·0	19·5	19·9	21·1	21·9	23·1	17·34
31·6	31·2	30·0	27·4	28·3	24·6	23·4	22·6	23·1	23·8	27·0	29·4	27·03
36·5	36·5	36·8	37·1	37·2	37·3	37·1	37·8	38·3	37·7	38·1	38·2	35·53
38·3	34·9	34·6	33·9	33·4	33·9	—	—	—	—	—	—	33·86
—	—	—	—	—	—	22·4	22·1	21·8	21·4	20·4	20·5	
26·2	27·0	27·2	26·6	28·8	29·4	31·0	31·0	30·6	30·6	31·0	31·0	27·13
32·8	32·3	32·2	32·2	32·5	32·3	32·2	31·4	30·7	30·4	28·5	27·2	32·22
30·4	30·6	30·4	30·1	29·9	29·6	29·4	29·2	29·2	29·0	28·9	28·8	29·52
32·3	32·3	32·3	32·3	32·5	32·8	32·8	32·3	32·5	32·3	32·3	32·3	31·43
22·8	22·4	22·4	21·9	21·1	20·6	20·6	21·4	21·8	22·6	23·2	23·4	26·26
25·2	25·2	24·7	24·9	25·4	25·9	—	—	—	—	—	—	24·68
—	—	—	—	—	—	24·4	25·6	27·2	27·6	28·2	28·8	
23·4	20·8	20·8	23·6	24·4	24·6	23·2	21·0	20·6	20·7	20·6	19·6	23·21
26·3	26·6	26·7	26·9	27·3	27·4	28·1	28·2	28·1	28·6	29·2	27·8	26·44
31·6	32·0	32·3	34·4	33·3	33·8	34·0	30·4	31·2	31·4	33·4	33·0	33·33
39·5	39·3	39·7	40·6	38·6	37·3	37·1	38·5	39·1	37·1	39·1	39·8	37·48
39·3	37·3	37·8	38·2	38·4	38·5	38·0	37·7	37·9	38·5	37·2	37·2	38·33
43·1	41·6	40·6	39·1	38·5	37·8	—	—	—	—	—	—	38·23
—	—	—	—	—	—	27·9	27·9	28·0	27·3	26·8	27·4	
32·6	32·8	33·7	32·4	32·1	33·0	34·0	33·9	34·2	33·9	33·4	32·4	32·37
27·8	28·3	28·7	28·5	29·2	29·6	28·6	29·6	29·8	28·7	28·5	29·2	29·27
9·5	8·6	8·2	0·1	5·1	4·7	3·5	2·9	2·3	2·2	0·7	0·2	12·19
17·1	19·5	20·3	21·1	24·0	24·2	22·3	21·0	22·3	25·4	24·9	26·6	15·11
27·8	26·7	26·7	27·5	28·4	27·3	25·3	25·4	25·1	25·2	24·9	24·4	26·33
19·9	17·8	19·9	19·8	20·6	20·9	—	—	—	—	—	—	21·40
—	—	—	—	—	—	11·1	13·3	15·1	12·2	14·9	19·9	
30·0	30·7	30·8	28·7	29·7	30·9	31·9	32·4	32·8	32·8	32·8	32·8	29·35
33·9	33·4	32·9	32·8	30·0	24·0	20·1	17·8	17·2	16·7	16·0	15·4	29·81
28·11	27·70	27·85	27·67	27·73	27·44	25·63	25·41	25·62	25·45	25·55	25·77	27·41
12·8	9·7	5·5	4·0	3·5	3·8	2·6	−0·1	−0·5	−0·8	−1·1	−1·9	8·71
14·2	14·6	17·2	17·7	18·1	18·4	18·9	19·5	19·6	20·5	20·8	20·6	12·76
23·3	23·3	23·2	23·1	22 8	22·3	21·5	19·5	15·1	15·7	16·3	16·9	21·67
25·4	22·7	24·1	24·3	23·8	22·7	—	—	—	—	—	—	22·61
—	—	—	—	—	—	19·5	18·7	17·5	16·5	14·5	12·7	
4·7	3·9	3·3	3·3	3·3	3·1	3·5	3·9	3·5	3·9	4·5	5·3	6·92
10·9	9·1	10·3	10·5	9·5	9·3	9·2	9·0	8·5	8·3	8·5	8·4	9·43
12·7	11·8	11·0	9·3	8·1	8·0	5·5	1·5	3·3	3·9	4·5	3·7	9·52
15·1	13·4	12·0	9·5	8·6	7·5	7·3	8·5	9·6	10·7	13·1	16·1	11·78
28·5	29·8	30·9	31·8	32·4	33·4	35·4	36·8	36·9	35·8	33·1	32·8	26·96
14·7	13·1	12·3	11·5	11·0	11·3	—	—	—	—	—	—	15·43
—	—	—	—	—	—	10·1	9·9	10·1	10·3	10·5	10·3	
13·7	13·1	12 1	11·0	10·6	10·6	10·3	9·6	9·6	9·4	9·5	7·5	12·12
8·5	7·7	7·0	6·5	5·0	4·1	3·6	3·7	3·5	3·1	3·1	3·3	6·83
10·1	8·3	7·0	5·5	6·9	5·9	5·8	5·7	5·1	4·3	4·5	4·3	7·87
6·6	4·1	2·5	−0·7	−2·5	−5·5	−8·9	−8·6	−10·7	−10·1	−12·4	−12·2	1·62
5·7	5·1	4·7	2·3	1·7	0·6	0·0	−0·7	−1·7	−2·4	−3·2	−7·0	1·39
5·3	5·6	7·1	6·9	6·6	6·9	—	—	—	—	—	—	5·88
—	—	—	—	—	—	15·2	14·3	11·0	11·2	8·1	3·3	
19·2	17·8	12·8	9·1	8·7	7·0	9·1	10·4	10·8	10·3	10·0	9·1	12·67
23·2	23·3	22·1	20·7	12·7	10·9	12·5	13·9	16·5	17·9	17·7	10·9	19·30
9·6	7·5	5·7	3·3	1·4	−0·6	−0·6	1·2	1·4	0·9	1·5	4·1	9·84
10·1	5·2	2·9	2·4	3·0	3·4	3·2	3·1	3·5	3·7	3·9	5·7	6·95
21·7	21·7	20·9	20·7	22·0	20·7	19·9	19·6	19·9	19·5	19·8	19·9	18·45
29·8	29·6	29·4	20·0	28·7	28·5	—	—	—	—	—	—	26·42
—	—	—	—	—	—	26·2	25·7	25·5	24·3	22·4	20·5	
21·5	22·3	21·8	20·3	21·8	21·1	21·5	18·7	18·6	18·3	18·3	18·0	20·62
18·7	17·5	16·4	15·7	14·5	14·0	13·7	13·6	13·0	12·7	10·6	11·3	17·83
15·25	14·17	13·43	12·41	11·76	11·14	11·04	10·72	10·40	10·32	9·94	9·57	13·07

WET THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
MARCH.	1	11·5	11·8	12·7	14·2	15·0	15·3	16·0	16·6	16·1	16·0	15·0	14·8	13·9	13·3
	2	4·7	5·1	5·7	7·5	10·5	12·4	13·8	14·8	15·8	15·7	15·3	14·4	13·4	12·1
	3	7·7	8·5	11·0	13·1	16·3	18·0	17·3	17·1	17·6	16·7	16·5	16·1	15·6	15·1
	4	1·0	−0·2	4·7	11·9	15·6	17·1	17·8	18·4	19·2	19·3	18·6	18·0	13·9	13·3
	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	2·9	3·6	6·1	7·4	12·3	14·5	18·3	—	23·5	22·1	22·6	22·6	18·0	16·2
	7	−2·5	−2·1	4·9	13·0	14·6	16·8	18·0	19·8	22·8	23·4	24·2	23·4	19·6	14·6
	8	20·0	22·0	22·4	22·9	23·4	24·2	24·2	25·1	25·3	25·8	26·1	26·0	26·0	25·8
	9	17·6	15·6	18·4	19·6	21·2	22·9	25·9	27·9	26·4	27·0	26·5	26·4	20·6	16·0
	10	27·6	27·4	29·2	30·6	30·9	30·9	30·8	31·4	31·5	31·9	32·3	32·4	32·8	32·8
	11	29·6	28·4	26·6	25·4	25·9	26·5	27·2	27·2	27·4	27·0	27·1	28·9	25·9	23·0
	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	30·2	30·5	30·9	31·5	32·3	32·3	33·8	35·1	34·1	34·7	33·3	32·3	27·4	23·6
	14	13·7	13·7	14·8	15·6	17·1	18·0	20·0	21·0	22·8	25·4	27·0	25·4	23·4	23·8
	15	23·2	21·8	20·8	22·2	25·8	27·2	27·4	28·4	25·6	25·8	23·5	23·0	22·7	22·5
	16	10·1	10 8	15·2	19·2	21·2	23·1	25·7	25·1	24·8	24·4	23·9	23·4	23·0	22·3
	17	19·8	20·8	21·7	23·6	24·7	25·4	27·6	28·4	27·9	27·0	26·8	24·9	24·0	23·2
	18	19·0	19·0	20·5	22·0	22·9	24·0	24·6	25·0	24·8	25·2	24·4	24·2	22·0	21·8
	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	14·6	16·6	21·0	22·8	23·9	24·9	25·8	25·0	25·0	25·0	24·4	24·2	22·6	21·8
	21	16·6	16·6	20·4	20·6	21·4	21·4	22·4	23·2	24·4	25·4	24·9	24·6	23·1	22·5
	22	11·3	12·7	18·6	21·8	24·4	25·2	25.6	27·6	26·6	27·6	29·4	28·8	22·4	19·6
	23	8·8	9·0	9·7	10·4	12·4	13·4	13·8	14·2	15·3	15·6	13·6	13·6	13·0	13·0
	24	9·9	11·0	13·2	15·4	17·6	19·8	20·0	20·0	22·0	22·6	22·8	21·6	19·8	18·4
	25	13·8	15·3	17·8	19·6	21·4	23·2	24·4	25·4	27·8	25·8	24·4	22·7	22·0	20·9
	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	23·6	23·6	23·8	25·0	25·2	25·4	25·6	26·1	25·9	26·0	26·6	26·7	26·1	26·0
	28	31·5	31·6	31·8	33·1	34·8	36·2	37 0	38·3	35·8	34·8	32·3	30·4	27·7	26·9
	29	18·1	20·6	23·6	24·1	25·8	27·3	29·2	30·4	30·2	31·8	30·1	29·4	28·9	27·4
	30	16·0	16·2	17·6	18·6	20·1	22·4	24·0	25·9	26·0	26·4	25·4	25·0	24·4	24·4
	31	24·9	25·4	25·9	26·8	26·8	27·6	27·8	28·4	28·4	27·9	27·4	26·7	26·4	27·2
	Hourly Means	15·75	16·12	18·11	19·92	21·60	22·79	23·84	24·84	24·93	25·09	24·61	24·07	22·17	21·05
APRIL.	1	19·7	20·8	23·2	24·2	27·2	28·2	26·2	28·9	29·3	29·1	29·0	28·2	24·0	24·2
	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	15·4	17·8	22·9	27·6	29·4	31·8	32·2	32·5	32·0	33·1	34·3	37·8	33·5	29·8
	4	27·0	28·7	30·7	31·7	32·0	32·3	33·1	32·5	32·2	32·2	32·4	32·4	32·4	32·4
	5	28·4	29·4	32·0	32·2	37·8	38·5	37·1	38·0	36·8	36·3	37·3	37·7	34·1	33·9
	6	28·4	30·4	31·4	31·9	32·2	34·6	36·9	37·0	35·6	35·6	37·1	36·9	35·0	33·4
	7	24·3	26·4	30·3	31·6	32·5	32·8	36·1	37·3	37·2	37·0	36·2	35·2	34·4	33·6
	8	36·8	38·2	39·4	39·8	40·4	40·5	40·2	39·5	39·6	39·0	39·5	38·6	38·0	37·0
	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	29·2	28·4	29·6	30·4	31·5	32·8	33·2	34·2	36·0	—	35·0	35·4	35·2	32·4
	11	28·6	30·6	33·7	35·8	37·0	38·4	39·3	38·3	40·4	42·8	44·0	44·4	42·6	38·8
	12	27·6	30·8	32·6	32·6	40·0	42·4	44·2	45·3	45·3	45·5	47·0	46·3	40·3	36·3
	13	30·2	35·3	36·8	37·4	39·4	39·0	39·6	39·2	41·4	39·6	39·4	40·1	38·8	38·5
	14*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	40·0	38·4	39·2	40·4	44·8	48·2	51·2	51·6	52·8	52·0	50·9	48·3	46·5	47·4
	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	33·4	33·8	34·6	36·2	38·4	39·0	39·2	38·5	37·6	37·4	37·2	36·2	36·7	36·0
	18	34·2	34·4	35·0	33·8	34·0	34·0	34·0	33·9	34·3	35·0	34·9	34·4	34·8	34·8
	19	35·0	35·4	35·6	36·8	37·6	39·0	41·0	40·4	39·5	40·2	39·2	38·6	38·0	37·9
	20	38·0	38·6	39·1	39·8	40·4	44·0	44·4	45·4	45·0	47·8	48·6	48·5	47·6	40·2
	21	32·6	37·4	42·6	44·6	46·4	48·4	50·0	50·8	50·9	53·5	52·0	50·8	47·8	45·8
	22	42·6	45·4	46·0	47·4	48·2	48·8	47·6	46·2	47·8	47·6	48·6	48·6	42·5	41·5
	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	49·2	48·0	48·2	47·8	48·0	48·0	48·6	50·5	51·1	51·0	50·4	49·2	48·2	47·4
	25	43·6	44·0	45·0	46·2	46·8	47·0	46·2	46·5	48·6	49·4	50·6	47·1	43·6	43·2
	26	41·4	41·4	43·2	46·2	50·2	51·4	52·0	55·7	56·7	57·5	54·7	56·0	58·0	54·0
	27	41·2	42·0	42·4	42·8	43·6	43·8	45·6	46·7	46·8	45·2	46·3	48·4	47·4	43·5
	28	42·6	43·6	45·2	49·2	49·0	50·6	55·2	56·2	57·8	56·6	56·8	56·4	55·4	51·2
	29	36·6	36·8	36·0	35·6	36·4	36·6	37·8	38·3	39·1	38·5	38·7	38·2	36·6	35·0
	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Hourly Means	33·17	34·42	36·45	37·73	39·30	40·42	41·29	41·89	42·24	42·69	42·54	42·25	40·60	38·67

* Good Friday.

10	11
4	5
°	°
15·0	14·8
15·3	14·4
16·5	16·1
18·6	18·0
—	—
22·6	22·6
24·2	23·4
26·1	26·0
26·5	26·4
32·3	32·4
27·1	28·9
—	—
33·3	32·3
27·0	25·4
23·5	23·0
23·9	23·4
26·8	24·9
24·4	24·2
—	—
24·4	24·2
24·9	24·6
29·4	28·8
13·6	13·6
22·8	21·6
24·4	22·7
—	—
26·6	26·7
32·3	30·4
30·1	29·4
25·4	25·6
27·4	26·7
24·61	24·07
29·9	28·2
—	—
34·3	37·8
32·4	32·4
37·3	37·7
37·1	36·9
36·2	35·2
39·5	38·6
—	—
35·0	35·4
44·0	44·4
47·0	46·3
39·4	40·1
—	—
50·9	48·5
—	—
37·2	36·2
34·9	34·4
39·2	38·6
48·6	48·5
52·0	50·8
48·6	48·6
—	—
50·4	49·2
50·6	47·1
54·7	56·0
46·3	48·4
56·8	56·4
38·7	38·2
—	—
42·54	42·25

WET THERMOMETER.													
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°
13·9	13·3	12·2	12·5	11·5	11·2	9·2	9·0	7·6	6·3	5·5	4·4	12·15
13·4	12·1	10·1	7·6	7·2	0·1	0·3	2·9	4·5	6·0	6·6	7·1	8·90
15·6	15·1	14·5	13·5	12·9	12·2	9·7	8·5	9·1	7·5	5·7	3·7	12·66
13·9	13·3	11·5	9·9	9·0	8·2	—	—	—	—	—	—	10·98
—	—	—	—	—	—	6·1	7·3	6·1	0·5	5·7	4·6	
18·0	16·2	13·2	13·6	12·7	10·4	6·7	3·6	6·2	0·0	−1·1	—	11·61
19·6	14·6	12·8	11·4	9·8	9·8	8·1	5·6	7·7	8·8	12·5	15·6	13·02
26·0	25·8	25·4	25·0	24·0	22·2	21·3	20·1	19·4	19·8	18·4	18·8	23·07
20·6	16·0	16·6	16·1	16·0	19·1	21·2	25·4	26·4	26·4	27·0	27·6	22·24
32·8	32·8	32·9	33·4	33·3	33·1	33·1	33·5	33·3	32·3	32·2	31·5	31·71
25·9	23·9	22·4	20·8	17·6	14·0	—	—	—	—	—	—	26·24
—	—	—	—	—	—	29·6	29·4	29·3	29·6	29·9	30·2	
21·4	23·6	20·6	20·0	18·8	17·2	15·2	13·4	11·9	14·4	14·4	10·7	24·94
23·4	23·8	23·6	23·4	24·4	25·6	26·4	26·4	26·9	26·2	25·2	23·9	22·24
22·1	22·5	21·6	17·6	13·2	12·6	13·4	8·9	7·3	8·1	8·3	8·7	19·14
23·0	22·3	22·2	20·6	20·1	19·0	18·6	18·6	18·6	18·3	18·9	19·3	20·29
24·0	23·2	22·4	23·2	22·2	21·8	20·8	19·6	18·4	17·7	17·2	18·2	22·84
22·0	21·8	21·8	21·2	20·8	19·6	—	—	—	—	—	—	20·99
—	—	—	—	—	—	18·9	17·6	15·9	15·7	14·7	14·3	
22·6	21·8	21·0	19·6	19·6	19·0	18·6	18·2	15·8	15·6	15·8	16·3	20·73
23·1	22·5	21·7	21·4	20·4	20·1	19·9	20·2	19·1	17·1	15·6	12·3	20·65
22·4	19·6	18·6	17·8	17·1	16·0	14·9	13·8	13·0	12·8	12·1	9·5	19·47
13·0	13·0	13·0	13·8	14·2	14·4	14·4	13·6	12·6	11·9	10·9	10·1	12·63
19·8	18·4	17·4	16·1	14·8	14·1	13·7	13·6	14·4	14·9	11·5	14·5	16·77
22·0	20·9	19·9	18·6	17·6	16·9	—	—	—	—	—	—	27·41
—	—	—	—	—	—	18·6	18·4	18·6	19·4	22·4	23·0	
26·1	26·0	26·4	26·4	27·3	27·8	28·5	29·2	29·4	30·4	30·4	30·9	26·76
27·7	26·9	27·2	27·2	26·8	25·4	23·9	22·6	21·6	20·4	19·6	18·2	28·96
28·9	27·4	27·0	26·2	25·6	24·4	23·4	21·6	18·6	17·9	17·5	18·6	24·82
24·4	24·4	24·2	25·0	24·1	24·2	25·4	25·4	25·2	25·8	25·6	25·2	23·44
26·4	27·2	26·2	25·4	24·6	22·4	22·8	22·5	22·0	21·2	19·9	20·8	25·23
22·17	21·05	20·24	19·53	18·73	17·81	17·68	17·39	16·99	16·72	16·50	16·82	20·14
24·9	24·2	23·8	23·5	22·8	21·7	—	—	—	—	—	—	23·32
—	—	—	—	—	—	19·6	17·6	18·0	17·0	17·0	14·6	
33·5	29·8	27·2	24·6	24·4	24·6	23·4	22·4	24·2	24·6	26·0	25·5	27·38
32·4	32·4	32·4	32·5	32·5	32·9	32·7	31·5	30·9	28·9	26·8	27·2	31·26
34·1	33·9	33·6	33·1	31·4	31·9	32·0	32·2	31·9	31·2	29·4	28·2	33·52
35·0	33·4	32·0	31·5	28·5	28·8	28·5	28·4	27·7	27·6	26·7	25·2	31·72
34·4	33·6	33·5	33·6	32·8	33·0	33·4	33·0	33·0	32·8	35·2	36·0	33·41
38·0	37·0	36·2	35·6	35·2	35·0	—	—	—	—	—	—	36·10
—	—	—	—	—	—	31·0	30·0	29·2	29·2	29·2	29·2	
35·2	32·4	31·6	31·2	30·1	30·0	29·2	28·5	28·1	27·2	26·7	28·3	30·27
42·5	38·8	35·8	33·9	33·7	33·3	32·9	29·3	28·0	28·5	26·5	26·4	35·13
40·3	36·3	34·0	32·6	32·2	31·4	30·8	30·6	31·8	31·2	30·6	28·8	36·42
38·8	38·5	37·8	36·2	35·4	34·1	—	—	—	—	—	—	38·77
—	—	—	—	—	—	44·4	43·4	42·8	41·7	40·8	39·2	
48·5	47·4	46·0	42·7	40·9	39·2	—	—	—	—	—	—	42·59
—	—	—	—	—	—	34·2	33·6	33·0	32·9	33·2	32·6	
36·7	36·0	36·3	35·2	35·0	34·3	34·6	34·8	34·4	34·2	34·8	34·4	35·92
34·8	34·8	35·2	35·6	35·2	35·2	35·1	34·8	34·8	34·8	34·8	35·0	34·67
38·0	37·9	37·9	38·2	38·3	38·0	37·2	36·0	37·2	37·5	37·8	37·6	37·91
47·5	40·2	39·8	38·2	36·0	35·4	34·6	33·5	34·5	34·6	32·4	31·0	39·89
47·8	45·8	44·0	43·2	42·6	42·5	43·6	41·9	42·1	41·9	41·7	41·2	44·93
42·5	41·5	43·9	43·9	46·1	45·8	—	—	—	—	—	—	47·35
—	—	—	—	—	—	51·2	50·8	51·8	52·2	51·8	50·2	
48·2	47·4	45·0	44·8	44·6	43·2	43·2	43·0	42·5	42·6	42·9	42·7	46·67
43·6	43·2	43·7	43·8	43·2	44·1	43·7	43·5	42·8	42·5	43·5	42·4	45·04
58·0	54·0	51·1	49·5	48·2	47·1	45·6	45·4	42·1	40·0	40·6	41·0	48·71
47·4	43·5	43·0	44·2	42·8	41·8	42·1	42·0	39·2	38·1	37·9	41·2	43·25
55·4	51·2	49·8	47·9	46·5	45·1	44·2	42·5	41·2	39·6	39·5	37·8	48·33
36·6	35·0	34·5	33·8	33·1	32·1	—	—	—	—	—	—	36·30
—	—	—	—	—	—	37·0	37·7	38·1	36·5	34·5	33·8	
40·60	38·67	37·84	37·06	36·31	35·85	36·01	35·28	34·97	34·47	34·25	33·75	37·89

WET THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
MAY.	1	34·8	36·2	37·4	36·4	36·6	35·6	37·4	37·5	36·3	36·8	36·2	35·7
	2	33·0	34·0	35·8	38·4	39·2	40·7	42·0	43·1	42·2	42·5	44·8	47·0
	3	31·6	32·8	38·4	41·2	42·5	44·8	44·6	47·5	44·8	46·3	42·6	44·0
	4	38·4	38·8	41·8	40·8	40·0	39·8	40·2	40·4	41·0	40·5	39·4	37·4
	5	36·4	35·8	35·8	36·4	36·4	35·4	33·8	33·1	34·2	35·5	37·3	36·0
	6	37·6	38·6	41·6	42·4	43·8	46·6	48·4	49·4	50·4	50·0	50·5	50·8
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	42·2	42·8	44·0	44·2	46·0	46·2	47·2	47·6	46·7	46·8	47·5	47·6
	9	36·4	40·4	44·2	45·0	47·0	47·8	49·2	48·5	50·9	52·8	51·6	51·2
	10	46·8	47·6	48·6	48·6	48·2	48·6	49·2	49·8	51·4	50·2	49·7	49·2
	11	46·6	48·2	48·0	49·0	50·6	51·8	52·6	54·1	54·1	53·7	54·9	54·7
	12	45·4	48·8	51·8	50·6	51·0	52·9	54·6	56·9	57·5	58·6	57·8	55·5
	13	48·2	49·8	53·0	55·0	57·0	59·2	60·8	61·8	63·8	63·2	62·2	62·8
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	56·8	58·8	59·6	61·2	61·8	63·0	59·0	64·6	57·4	61·3	64·9	62·3
	16	47·4	47·2	48·0	48·6	49·0	50·6	50·0	51·4	51·6	51·8	51·9	51·6
	17	35·5	37·0	38·6	40·4	43·0	43·6	44·4	49·3	48·4	46·9	49·7	51·5
	18	35·4	39·0	43·6	42·4	43·0	44·0	46·8	47·4	48·8	49·4	48·8	52·2
	19	40·0	41·2	44·4	46·0	48·5	48·2	48·6	49·5	51·1	48·5	50·8	49·2
	20	38·4	43·6	48·4	47·8	48·6	49·2	50·0	51·5	53·1	53·9	54·6	55·0
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	47·6	51·0	52·0	51·0	52·4	54·0	54·0	54·6	54·5	54·0	53·2	53·5
	23	49·4	51·8	53·2	53·0	56·0	56·8	53·4	53·0	54·9	53·3	51·1	47·7
	24	39·2	42·0	45·2	47·4	49·0	50·0	53·0	52·2	53·4	55·0	54·4	55·4
	25	42·6	44·6	46·0	47·2	48·0	49·6	51·0	50·8	53·0	54·4	54·8	53·2
	26	47·4	48·2	48·6	50·0	49·4	51·6	55·0	55·7	55·2	54·2	53·1	53·1
	27	49·8	49·7	49·4	50·8	51·1	50·5	50·5	50·6	50·1	49·9	49·5	49·6
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	44·4	46·0	46·8	48·8	50·8	52·0	50·7	53·1	52·6	54·8	55·6	56·2
	30	43·0	45·2	48·6	49·0	47·6	47·8	43·6	44·4	41·9	40·8	39·2	40·0
	31	37·2	37·2	37·6	37·2	37·9	37·4	38·2	37·6	39·2	39·3	37·0	37·6
Hourly Means		41·91	43·57	45·57	46·25	47·20	48·06	48·45	49·46	49·57	49·79	49·75	49·63
JUNE.	1	35·4	36·0	37·4	35·6	38·1	38·3	38·7	39·2	40·6	41·2	42·1	41·2
	2	33·8	39·2	41·2	42·4	43·6	45·0	45·8	43·9	44·0	42·4	43·0	41·2
	3	45·6	49·0	49·6	49·8	48·4	49·2	48·8	47·6	47·5	48·1	47·8	48·0
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	46·4	46·6	47·0	47·4	47·8	49·0	51·0	49·6	49·5	49·6	48·9	48·5
	6	44·0	45·0	45·8	48·4	49·2	51·0	52·0	47·2	49·2	48·2	49·6	50·2
	7	39·6	43·6	45·6	49·8	50·4	50·2	53·0	53·2	53·0	52·9	50·6	51·7
	8	45·4	47·4	48·4	48·4	48·2	47·6	48·5	50·2	51·2	51·6	53·8	55·8
	9	60·8	61·4	62·0	66·6	67·0	68·2	69·8	72·2	68·4	68·0	70·8	68·5
	10	44·6	45·6	47·0	46·4	47·6	48·4	50·0	49·1	49·1	50·0	48·4	49·2
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	48·0	50·2	50·2	53·2	55·6	58·8	61·0	63·3	64·0	65·1	64·7	63·5
	13	49·4	51·6	53·0	55·6	56·2	57·0	57·8	59·6	60·2	62·7	60·0	57·7
	14	52·0	54·0	55·0	56·0	55·8	57·0	56·4	55·1	54·6	54·5	55·0	55·0
	15	42·8	44·2	45·6	48·8	48·6	50·0	50·6	52·8	55·4	54·0	53·6	53·7
	16	48·4	49·6	51·0	53·2	56·0	56·2	56·6	56·7	57·8	58·1	60·5	61·2
	17	49·2	51·4	53·4	53·4	55·0	57·4	58·2	59·9	59·0	59·0	60·2	60·8
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	48·0	50·6	52·0	54·2	57·2	59·0	60·0	60·3	62·7	59·7	58·4	62·5
	20	53·6	57·0	58·2	60·2	62·6	65·0	67·2	66·4	69·9	67·7	67·4	66·8
	21	60·6	62·6	62·4	63·6	67·0	68·8	70·2	71·5	72·8	73·8	72·2	69·7
	22	59·0	62·1	64·5	64·5	67·3	68·4	68·4	71·2	71·5	71·8	70·6	69·4
	23	61·8	62·4	64·2	64·0	65·4	67·0	69·6	65·4	66·8	72·9	72·1	68·5
	24	61·6	62·6	64·2	64·4	63·2	64·2	65·4	67·5	68·6	72·0	65·9	66·7
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	56·6	59·8	60·6	63·4	65·2	63·4	68·0	67·4	70·7	72·5	73·1	71·5
	27	63·0	64·8	65·8	67·4	69·8	72·6	74·2	74·6	72·3	71·3	71·6	70·2
	28	64·0	66·4	67·8	68·0	70·6	70·0	69·0	73·4	72·9	73·1	71·9	70·0
	29	63·6	65·6	67·6	68·2	70·0	71·6	72·2	71·0	70·8	69·8	71·2	69·0
	30	60·6	65·0	65·4	66·4	68·0	69·3	70·1	72·5	72·6	73·5	71·6	73·0
Hourly Means		51·45	53·60	54·80	56·13	57·45	58·56	59·71	60·11	60·58	60·91	60·58	60·14

WET THERMOMETER.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°
35·8	35·0	34·5	33·6	33·3	33·0	33·2	33·2	33·8	32·2	31·2	30·8	34·85
44·8	40·4	38·7	37·7	35·3	34·2	30·2	30·4	29·6	29·6	29·2	29·8	37·19
42·4	39·5	38·5	38·8	38·4	37·6	37·2	37·4	37·2	36·7	37·2	37·6	39·98
35·4	33·6	33·2	33·0	33·2	33·0	32·9	33 0	32·5	32·4	32·5	32·6	36·49
35·7	35·2	36·0	36·5	36·5	36·3	36·2	36·0	35·4	33·8	35·4	37·2	35·68
50·4	47·8	47·2	40·8	40·9	40·1	—	—	—	—	—	—	44·70
—	—	—	—	—	—	44·0	42·6	42·5	42·4	41·8	42·2	
47·2	45·4	43·4	41·3	40·8	38·2	38·0	37·2	36·2	35·0	34·1	32·6	42·43
47·2	46·8	45·5	44·2	44·3	44·2	43·3	43·0	45·6	45·0	46·0	46·2	46·10
49·7	45·2	45·7	45·8	46·3	46·5	46·5	46·2	46·0	45·5	45·2	45·4	47·37
53·8	50·8	47·7	45·3	44·2	43·2	42·8	42·7	42·3	43·2	43·5	44·0	48·41
51·2	49·0	48·8	49·2	46·4	46·8	46·7	46·6	46·1	45·8	46·8	47·0	50·49
62·2	59·5	56·2	56·0	53·7	53·2	—	—	—	—	—	—	56·86
—	—	—	—	—	—	57·6	58·4	51·9	51·7	52·2	55·2	
61·4	57 5	54·8	52·2	50·7	49·3	49·4	49·5	46·4	46·9	46·5	46·8	55·92
51·1	46·6	42·3	40·1	38·6	37·9	37·4	36·7	36 2	35·0	34·2	33·5	44·53
46·3	41·9	39·2	37·2	36·3	35·0	35·2	35·2	34·6	31·2	30·9	30 4	40·07
52·1	45·2	41·4	38·8	37·7	38·7	38·9	39·0	39·1	38·8	39·0	38·6	42·84
46·3	42·2	41·2	39·7	37·5	36·6	36·1	35·4	35·0	33·0	32·8	33·2	42·29
50·8	48·4	44·5	42·0	40·7	38·2	—	—	—	—	—	—	46·71
—	—	—	—	—	—	43·7	42·4	43·7	44·1	43·0	45·4	
50·5	49·2	49·4	49·4	49·9	49·6	49·4	48·5	48·2	48·0	46·9	47·4	50·76
46·6	47·1	44·7	42·4	41·0	40·5	39·6	38·4	38·3	37·9	37·5	37·4	46·88
53·6	49·2	45·5	44·7	43·6	43·2	42·8	·0	41·6	41·4	40·1	39·6	46·85
51·5	49·8	49·0	47·7	46·5	46·6	48·1	4	48·2	48·4	47·5	47·2	48·96
51·8	52·5	51·9	53·1	53·4	54·2	51·6	50·0	51·4	52·4	50·2	52·4	51·93
49·8	49·5	47·6	46·9	45·6	42·4	—	—	—	—	—	—	47·67
—	—	—	—	—	—	44·8	44·0	43·5	42·8	42·5	43·2	
53·9	51·6	46·4	45·2	44·6	43·6	43·0	42·3	41·6	40·3	39·8	38·4	47·60
39·8	40·0	39·1	38·1	36·9	36·5	36·0	35·2	34·4	34·5	34·7	34·4	40·45
36·9	36·8	34·7	34·1	32·8	32·4	32·4	32·8	33·5	33·6	33·8	33·6	35·87
47·90	45·77	43·97	42·73	41·82	41·15	41·37	41·06	40·56	40·06	39·80	40·08	44·81
45·7	42·5	39·2	36·6	32·8	31·9	30·0	29·4	28·5	28·3	27·7	30·0	36·10
40·8	40·5	40·5	40·5	40·2	40·4	40·8	41·1	41·7	42·2	42·8	43·4	41·68
47·9	47·8	47·5	47·6	47·4	45·6	—	—	—	—	—	—	48·00
—	—	—	—	—	—	50·1	49·3	48·2	47·5	47·2	46·6	
47·4	46·5	45·8	45·9	44·5	43·6	43 2	43·0	42·5	42·7	42·9	43·0	46·35
49·3	47·2	45·9	45·2	43·0	42·4	41·8	41·5	39 5	37·2	35·4	37·4	45·23
51·2	50·2	47·2	47·6	47·5	46·0	45·5	43·6	42·8	42·2	41·8	43·2	47·60
55·5	54·6	53·0	52·3	50·2	48·9	54·1	57·6	58·0	56·6	54·9	59·2	52·15
68·3	66·2	62·3	57·1	56·2	52·4	52·0	51·6	48·0	46·6	44·6	45·0	60·58
50·5	49·5	48·9	48·4	47·8	47·0	—	—	—	—	—	—	47 92
—	—	—	—	—	—	49·2	47·1	46·5	46·6	45·2	44·2	
57·3	53·3	51·3	50·9	49·2	48·6	48·9	49·6	49·0	48·5	47·8	47·6	54·15
62·1	60·2	57·5	57·2	55·8	55·0	53·4	52·7	51·7	51·4	50·5	51·0	55·80
55·4	53·2	51·4	49·2	45·7	43·7	42·5	42·0	41·3	40·8	39·4	39·0	50·17
51·8	50·0	48·5	48·3	47·4	48·4	48·5	46·5	47·0	47·4	48·0	48·2	49 17
59·9	56·4	53·9	51·6	50·8	47·8	48·0	47·9	47·5	47·0	46·9	47·6	52·94
60·2	57·5	53·6	49·9	48·0	46·9	—	—	—	—	—	—	52·48
—	—	—	—	—	—	45·2	45·6	44·7	44·0	43·5	43·4	
60·7	58·5	56·9	54·6	53·5	52·0	50·8	49·7	49·3	48·4	48·0	48·8	54·82
64·1	63·4	61·2	61·6	61·9	59·9	59·2	58·1	58·2	58·4	58·2	57·5	61·90
69·5	66·7	63·8	64·1	62 9	62·4	64·2	59·5	58·0	57·4	55·6	55·8	64·80
68·6	66·1	64·7	64·4	61·6	60·8	60·0	60·6	59·7	59·2	59·2	60·6	64·76
68·5	65·6	63·6	61·4	61·0	60·4	59·0	58·5	60·2	60·1	61·2	60·6	64·18
66·8	65·2	61·1	58·2	56·9	55·6	—	—	—	—	—	—	61·05
—	—	—	—	—	—	52·6	52·4	51·6	51·4	53·2	53·8	
69·8	67·5	64·4	61·1	61·9	61·7	61·4	60·7	61 4	58·8	58·6	58·6	64·09
67·9	68·6	68·1	66·6	66·0	59·7	65·6	65·7	65·0	64·5	64·0	63·0	67·60
65·0	65·5	64·1	63·0	63·0	62·8	62·5	61·9	1·3	60·3	60·6	61·2	66·17
70·0	69·5	66·4	65·7	64·2	61·6	59·8	57·1	67·4	55·6	54·7	55·6	65·34
74·2	70·4	69·2	67·9	65·8	64·2	64·2	64·4	3·5	63·6	63·4	63·3	67·59
59·55	57·79	55·77	54·50	53·28	51·91	52·02	51·43	50·87	50·26	49·82	50·29	55·48

WET THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
JULY.	1	66°2	69°2	70°6	72°5	73°2	74°6	77°4	78°5	78°6	78°8	78°6	76°4	74°2	72°8
	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	47·6	49·8	53·2	53·2	52·8	54·3	56·2	58·6	56·6	59·5	61·5	61·8	58·8	54·4
	4	50·4	54·0	56·4	60·4	60·6	59·4	61·6	61·3	61·7	61·9	61·1	62·4	59·9	60·5
	5	55·6	56·0	55·6	55·4	57·5	58·4	61·2	61·5	59·3	59·3	61·0	61·6	61·3	60·6
	6	50·4	53·6	55·0	58·8	60·9	60·4	58·7	59·6	61·8	64·0	64·4	65·9	63·3	61·0
	7	54·6	56·0	57·6	58·2	65·2	63·4	60·8	61·5	61·4	63·0	62·8	63·8	62·9	61·2
	8	56·2	59·6	62·0	62·8	64·0	63·6	63·0	62·2	62·0	62·5	62·9	64·5	63·6	62·2
	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	59·2	61·6	62·0	62·9	65·4	65·8	65·5	67·6	61·6	62·6	62·5	58·2	57·0	55·8
	11	58·0	60·0	50·4	52·2	54·2	54·8	56·0	56·0	58·2	59·2	60·2	59·2	56·4	56·8
	12	45·8	52·0	53·8	56·0	58·2	58·8	59·8	61·5	61·8	61·0	61·7	63·0	63·3	57·7
	13	47·8	53·0	54·8	58·2	60·0	61·2	63·0	64·1	65·1	65·6	64·5	65·2	65·2	60·8
	14	56·0	59·0	60·6	63·4	66·6	68·5	69·9	71·0	73·0	70·4	68·9	68·7	67·6	65·2
	15	62·2	62·6	63·6	64·6	65·5	66·4	69·2	71·4	69·2	68·4	67·9	69·5	69·3	67·7
	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	62·5	63·1	64·1	62·8	64·8	69·2	71·6	72·3	75·2	74·5	69·7	69·5	66·6	68·0
	18	66·4	68·7	70·5	69·5	70·4	71·4	73·0	75·0	72·2	69·8	70·2	68·6	68·2	67·7
	19	59·9	59·3	58·3	53·8	55·9	56·5	55·6	56·6	54·7	54·8	55·6	56·0	57·8	55·1
	20	46·9	49·2	51·1	51·2	52·1	54·6	57·0	57·9	58·4	59·2	60·8	64·5	63·0	60·0
	21	44·2	51·4	54·2	55·8	57·0	59·0	60·6	60·2	62·0	63·4	64·6	64·4	63·6	61·9
	22	54·6	57·0	58·8	60·2	61·6	64·2	66·6	68·6	69·5	68·0	69·7	68·1	65·7	64·4
	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	64·2	65·4	67·8	67·5	66·4	67·4	67·2	68·0	68·4	87·3	67·6	67·2	67·2	63·9
	25	56·0	58·7	60·1	61·6	62·2	64·0	63·9	64·7	66·2	66·9	67·1	65·1	63·9	60·6
	26	57·0	61·7	64·6	67·2	69·4	71·1	72·6	72·0	75·8	73·2	72·0	69·3	67·5	66·2
	27	61·8	63·0	64·0	64·0	65·0	65·6	65·2	67·0	66·5	66·5	66·7	68·1	65·5	62·9
	28	59·8	61·6	63·2	65·0	67·6	70·6	73·2	71·5	72·3	67·5	69·6	71·4	74·1	72·1
	29	60·0	59·2	59·2	59·2	59·6	58·8	59·4	58·4	58 1	58·6	59·0	59·7	61·5	58·0
	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	45·6	53·4	55·6	56·2	59·1	60·0	61·8	61·6	62·5	63·6	64·5	64·6	65·2	65·5
Hourly Means		55·73	58·39	59·50	60·49	62·12	63·15	64·23	64·95	65·08	64·98	65·20	65·26	64·41	62·42
AUGUST.	1	51·0	52·0	53·2	55·0	55·4	56·7	58·6	59·0	61·0	62·8	61·9	62·8	63·4	59·8
	2	47·0	48·9	54·8	57·0	58·2	58·4	60·7	62·0	63·8	64·0	64·8	63·9	61·8	59·0
	3	51·8	56·4	59·4	61·0	63·0	64·4	67·2	67·2	68·5	68·3	69·2	68·4	68·0	65·4
	4	55·4	59·2	62·0	62·8	63·8	65·4	65·4	65·8	65·4	65·9	65·8	66·4	64·5	60·6
	5	61·8	62·8	64·4	66·8	69·4	69·4	68·2	70·2	68 5	69·2	68·0	68·4	67·0	65·3
	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	64·2	67·6	69·6	70·8	71·6	72·6	70·4	72·4	72·8	69·0	70·4	69·7	69·5	68·4
	8	62·5	65·4	66·8	68·0	67·6	68·6	69·2	69·7	69·8	69·2	70·8	68·3	69·3	67·9
	9	53·4	56·6	59·8	62·4	64·8	66·0	67·4	67·5	67·1	67·7	66·8	66·7	67·1	64·5
	10	59·1	61·2	63·6	65·4	67·4	68·8	69·6	70·3	68·0	68·5	71·3	66·5	67·0	65·0
	11	59·0	59·6	61·6	63·8	64·8	67·4	68·6	68·4	70·0	69·8	71·0	71·2	69·7	65·1
	12	57·6	59·0	62·2	64·0	65·0	68·0	68·8	68·6	89·1	69·0	70·0	68·4	69·0	66·4
	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	66·6	67·2	68·0	67·6	68·6	68·6	71·0	72·8	73·2	70·8	69·5	69·7	70·5	66·2
	15	58·0	60·4	62·2	64·0	64·0	64·0	64·2	66·6	65·2	70·2	66·7	66·1	67·8	64·2
	16	56·6	60·6	63·8	66·0	67·6	69·4	71·0	72·6	72·3	73·4	73·5	73·2	70·4	66·5
	17	64·0	65·0	65·6	68·0	68·8	70·8	69·2	71·2	69·8	69·8	70·8	69·7	67·7	66·2
	18	57·0	57·8	58·0	58·8	59·8	61·6	64·4	66·0	66·0	64·5	60·5	62·6	64·4	58·1
	19	50·6	53·8	55·4	58·2	57·6	60·8	62·4	61·7	62·4	61·3	61·3	60·4	61·0	57·4
	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	54·8	56·0	57·6	59·0	59·0	59·0	61·0	62·1	63·2	63·2	63·9	66·1	63·4	58·0
	22	54·0	56·0	57·8	59·6	60·0	63·2	63·2	64·8	64·9	65 0	66·1	64·8	64·0	61·0
	23	53·0	54 6	57·6	60·8	64·7	65·0	65·2	84·8	65·4	64 5	65·0	66·3	67·2	61·3
	24	47·6	52·6	56·2	59·6	61·2	61·2	62·6	63·5	63·4	65·7	66·2	66·2	62·2	60·3
	25	51·0	54·6	60·2	64·2	65·4	64·2	63·6	67·0	68·4	67·7	67·6	68·4	67·4	65·8
	26	55·2	60·2	63·5	65·8	68·2	69·6	71·3	72·3	72·3	73·3	73·4	72·1	69·5	67·4
	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	65·6	65·6	66·4	68·2	68·1	70·1	70·2	71·3	72·4	72·9	72·3	71·6	69·2	66·8
	29	61 6	63·8	66 4	67·8	68·4	69·6	70·4	71·4	71·6	70·4	68·6	68·8	67·9	64·7
	30	57·0	60·8	64·3	67·6	70·6	70·2	72·4	74·1	74·2	74·3	73·8	73·6	71·7	68·0
	31	65·0	68·6	70·4	71·4	71·8	73·4	73·7	74·2	74·4	74·1	74·5	75·4	74·0	70·0
Hourly Means		57·05	59·49	61·87	63·84	64·99	66·16	67·03	68·05	68·26	68·31	68·29	67·99	67·21	64·05

10	11	WET THERMOMETER. 12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
4	5	6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
78·6	76·4	74·2	72·8	70·5	69·2	70·8	70·5	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	49·1	48·5	46·8	44·8	45·5	45·6	66·79
61·5	61·8	58·8	54·4	53·6	51·0	48·4	47·6	47·8	46·7	47·6	47·7	47·4	47·4	52·65
61·1	62·4	59·9	60·5	59·3	58·5	58·4	58·5	58·2	57·7	57·2	56·5	55·8	55·6	58·64
61·0	61·6	61·3	60·6	54·5	51·2	48 6	49·2	47·2	46·0	46·6	46·7	46·2	46·6	54·46
64·4	65·9	63·3	61·0	57·2	56·2	56·2	55·6	55·7	55·6	56·0	56·0	53·5	54·6	58·10
62·8	63·8	62·9	61·2	58·9	57·8	56·8	55·4	53·8	51·9	52·2	51·2	49·5	52·6	58·02
62·9	64·5	65·6	62·2	60·5	59·0	57·1	54·8	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	57·2	57·2	57·0	56·0	55·6	56·6	60·17
62·5	58·2	57·0	55·8	52·4	51·6	49·9	49·4	49·6	49·4	49·2	48·6	48·2	47·6	56·82
60·2	59·2	56·4	56·8	52·6	49·2	45·4	44·0	42·5	42·4	42·0	40·2	39·7	39·8	51·22
61·7	63·0	63·3	57·7	53·8	49·5	48·0	46·8	46·9	47·0	46·5	46·5	47·0	46·4	53·87
64·5	65·2	65·2	60·8	58·6	57·6	57·6	57·0	56·4	55·4	54·8	53·8	53·2	52·8	58·57
68·9	68·7	67·6	65·2	64·4	63·5	63·1	62·6	62·4	61·2	61·2	61·9	61·7	62·0	64·70
67·9	69·5	69·3	67·7	66·0	65·0	65·2	64·8	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	62·6	62·8	62·5	62·2	62·1	62·2	65·54
69·7	69·5	66·6	68·0	67·7	67·4	66·7	65·5	65·8	65·7	66·2	65·2	63·4	62·8	67·10
70·2	68·6	68·2	67·7	63·8	63·0	62·8	61·2	60·6	60·0	59·7	59·5	59·0	59·2	66·27
55·6	56·0	57·8	55·1	51·0	48·8	48·0	47·6	47·8	47·8	47·8	47·0	45·7	44·2	52·73
60·8	64·5	63·0	60·0	55·5	51·6	49·7	47·5	48·1	45·4	44·5	43·8	43·6	41·4	52·29
64·6	64·4	63·6	61·9	58·7	55·9	54·0	52·8	51·5	52·0	52·2	52·8	51·4	50·6	56·42
69·7	68·1	65·7	64·4	61·8	60·6	60·0	58·8	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	64·6	63·7	64·1	64·1	63·6	63·8	63·42
67·6	67·2	67·2	63·9	59·2	57·6	56·3	55·4	54·4	54·0	53·8	53·4	53·2	53·5	61·93
67·1	65·1	63·9	60·6	58·8	58·4	56·5	54·4	54·0	52·0	52·1	55·2	55·5	54·0	59·66
72·0	69·3	67·5	66·2	63·4	65·0	63·6	63·9	62·8	60·4	59·5	59·1	58·5	57·0	65·53
66·7	68·1	65·5	62·9	60·8	58·6	57·9	56·5	56·9	57·5	58·2	59·0	58·0	57·4	62·19
69·6	71·4	74·1	72·1	71·2	70·8	68·5	67·8	69·0	69·2	65·9	65·4	63·0	62·0	68·01
59·0	59·7	61·5	58·0	55·2	53·4	49·7	49·1	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	48·5	47·4	46·8	46·0	44·8	44·2	54·74
64·5	64·6	65·2	65·5	54·7	52·8	51·5	51·0	50·8	49·8	49·6	49·4	48·0	49·0	56·07
65·20	65·26	64·41	62·42	59·39	57·82	56·57	55·68	54·70	54·10	53·85	53·54	52·81	52·65	59·46
61·9	62·8	63·4	59·8	56·2	53·0	50·8	50·4	48·9	47·8	47·0	47·0	45·5	44·0	54·30
64·8	63·9	61·8	59·0	58·8	56·2	55·7	52·7	51·7	51·0	51·5	49·5	48·9	49·0	56·22
69·2	68·4	68·0	65·4	61·0	57·8	56·4	55·6	55·5	55·2	54·8	54·1	53·7	53·0	60·63
65·8	66·4	64·5	60·6	58·5	57·5	57·4	57·4	57·6	59·0	58·3	57·0	57·6	60·0	61·10
68·0	68·4	67·0	65·3	64·0	63·0	63·0	62 2	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	63·2	63·2	63·4	63·0	63·6	63·2	65·47
70·4	69·7	69·5	68·4	67·8	67·0	66·3	65·9	64·7	64·0	63·0	63·0	62·5	62·0	67·72
70·6	68·3	69·3	67·9	65·2	63·2	61·7	58·5	57·5	56·7	54·8	53·5	54·7	52·6	63·80
66·8	66·7	67·1	64·5	61·5	60·0	59·5	59·0	58·2	59·9	60·5	60·2	58·0	56·0	62·11
71·3	66·5	67·0	65·0	62·2	61·3	61·0	60·7	60·0	59·7	59·0	59·0	58·9	58·6	63·84
71·0	71·2	69·7	65·1	63·0	61·2	61·0	60·7	58·8	60·4	60·4	59·0	56·1	55·6	63·59
70·0	68·4	69·0	66·4	66·7	63·6	62·7	59·0	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	60·2	59·2	58·7	63·0	64·0	65·2	64·48
69·5	69·7	70·5	66·2	64·8	63·4	61·8	61·0	61·0	59·2	58·8	58·5	58·4	57·0	65·59
66·7	68·1	67·8	64·2	61·2	60·0	58·5	57·0	56·4	55·1	54 5	54·1	54·9	54·1	61·22
73·5	73·2	70·4	66·5	66·4	64·2	64·0	63·6	61·5	61·9	62·4	64·6	65·0	63·2	66·40
70·8	69·7	67·7	66·2	65·6	65·5	65·0	63·8	64·4	64·0	60·2	57·8	56·5	57·4	65·70
60·5	62·6	64·4	58·1	56·2	52·8	51·0	52·0	51·4	51·6	50·8	49·9	47·9	48·6	57·15
61·3	60·4	61·0	57·4	53·2	53·5	53·3	53·2	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	55·0	55·4	55·2	53·4	54·0	53·8	56·85
63·9	66·1	63·4	58·0	55·4	53·6	53·6	53·0	52·5	52·9	52·7	52·0	51·6	51·2	57·28
66·1	64·8	64·0	61·0	59·2	58·2	57·4	56·9	55·8	55·0	54·5	54·4	53·0	51·0	59·16
65·0	66·3	61·2	61·3	56·4	55·2	54·4	53·0	52·9	52·2	52·0	48·0	46·5	46·2	58·01
66·2	66·2	62·2	60·3	57·9	57·0	56·2	54·0	53·7	52·5	51·4	50·4	49·2	48·4	57·47
67·6	68·4	67·4	65·8	62·7	61·0	59·6	58·8	57·8	56·3	56·2	55·5	54·8	54·5	61·36
73·4	72·1	69·5	67·4	65·6	65·3	64·2	65·2	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	66·8	66·8	66·5	66·1	65·4	65·2	67·13
72·3	71·6	69·2	66·8	65·2	63·2	62·4	62·4	62·4	62·7	62·2	61·3	61·2	60·0	66·40
68·6	68·8	67·9	64·7	62·2	61·0	60·5	60·3	60·3	59·5	58·0	57·5	56·6	55·2	64·27
73·8	73·6	71·7	68·0	66·8	65·5	65·2	64·8	64·7	65·2	64·2	64·7	64·8	64·2	67·61
74·5	75·4	74·0	70·0	67·0	67·8	66·5	66·0	65·4	64·6	63·2	62·5	62·1	62·6	69·11
68·29	67·99	67·21	64·05	61·88	60·40	59·60	58·78	58·46	58·19	57·56	57·00	56·50	55·99	62·37

WET THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
SEPTEMBER.	1	64·2	66·8	68·6	67·8	69·5	72·4	73·0	73·5	72·8	71·8	74·0	73·3	70·7	69·0
	2	65·0	67·0	68·6	68·6	70 8	73·4	75·0	77·5	76·3	76·8	74·9	75·1	74·0	73·2
	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	65·0	65·8	64·4	66·2	66·2	67·4	68·4	71·7	72·8	68·4	67·0	66·7	65·7	63·2
	5	55·3	59·2	56·0	58·0	59·2	61·6	63·3	64·1	63·9	64·6	65·8	63·2	62 8	60·4
	6	57·4	57·8	59·0	59·6	60·4	64·0	64·0	65·4	65·0	64·1	64·8	64·5	64·4	64·5
	7	64·0	64·6	64·8	66·0	66·0	66·6	66·6	67·8	67·5	66·8	67·5	65·2	64·6	63·5
	8	61·0	61·4	61·4	63·6	65·2	67·2	67·8	67·5	67·5	68·5	68·4	63·0	59·6	57·6
	9	43·8	44·8	45·2	47·0	47·4	48·9	50·0	50·8	51·7	51·8	50·5	49·8	47·3	45·6
	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	39·4	44·0	46·0	47·0	47·8	49·2	51·4	52·6	53·0	54·2	55·1	53·4	51·0	46·4
	12	40·6	42·6	44·6	48·0	50·4	52·0	54·0	53·3	54·6	55·8	54·5	53·4	50·2	45·0
	13	43·0	48·0	49·6	51·1	52·0	52·8	53·6	54·2	54·1	54·4	54·0	54·1	54·8	56·2
	14	54·6	54·0	53·8	53·8	54·0	55·0	55·4	55·6	55·7	55·7	54·8	54·1	53·9	54·4
	15	58·2	58·0	58·0	58·6	60·0	59·6	60·4	63·1	65·3	67·0	65·4	64·5	61·8	60·5
	16	55·4	56·4	58·0	58·6	59·4	60·6	62·0	63·7	64·4	63·7	64·4	60·8	59·7	58·8
	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	62·0	68·2	64·8	63·4	63·6	65·4	66·8	65·8	64·9	64·3	63·9	63·2	61·0	58·2
	19	49·0	52·0	55·0	56·8	58·0	59·2	60·2	60·8	59·8	60·0	59·7	58·3	57·2	56·0
	20	56·0	56·7	58·0	59·7	59·8	60·4	60·2	64·0	65·7	64·8	65·2	62·9	61·2	60·2
	21	61·4	64·8	67·8	72·8	73·7	74·5	73·5	73·7	74·1	73·3	72·2	71·0	67·4	62·2
	22	44·6	46·2	49·2	50·2	51·0	51·6	52·6	53·5	51·4	52·0	51·6	52·2	48·8	49·2
	23	56·0	56·6	59·2	60·6	61·8	62·2	65·2	68·9	69·0	69·4	71·0	70·8	67·0	65·7
	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	54·6	54·4	54·4	54·4	54·2	54·8	55·2	56·7	57·2	56·4	55·5	54·7	52·5	51·7
	26	45·0	44·6	43·6	44·8	42·8	43·2	13·2	44·0	43·5	44·0	42·8	42·0	41·6	40·5
	27	35·0	35·2	34·2	34·8	38·2	38·6	40·6	41·6	42·7	44·6	44·0	44·6	41·4	38·2
	28	33·6	35·2	38·8	41·3	44·2	46·4	49·2	50·0	50·7	51·6	49·8	52·4	46·4	43·5
	29	42·4	44·0	47·0	49·4	52·6	55·2	56·6	56·9	58·7	58·9	57·5	57·7	55·4	52·0
	30	42·6	44·2	50·6	52·0	54·5	56·9	57·3	57·8	57·5	56·3	55·6	54·2	52·8	53·2
	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		51·89	53 56	54·64	55·93	57·03	58·43	59·52	60·56	60·76	60·74	60·38	59·51	57·51	55·73
OCTOBER.	2	49·4	49·6	50·0	51·2	51·6	51·6	52·3	52·0	50·9	51·8	51·8	50·6	48·7	47·0
	3	43·0	44·2	44·6	45·8	47·0	47·2	47·0	47·4	47·2	47·0	47·0	46·4	44·2	43·4
	4	40·8	41·2	42·2	43·0	44·8	46·0	45·6	48·4	47·4	46·4	45·2	44·6	42·8	41·2
	5	36·0	39·2	43·4	45·2	47·6	48·6	50·6	52·5	52·9	54·0	53·3	51·9	52·3	50·7
	6	42·0	47·0	50·2	54·2	55·8	57·2	59·0	59·5	59·4	58·7	56·8	57·1	55·4	55·5
	7	55·8	55·0	54·0	54·2	54·6	55·0	55·0	55·3	56·0	56·0	55·5	53·8	53·9	54·8
	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	35·8	38·0	41·6	44·0	45·6	46·0	47·2	48·8	46·5	45·8	45·7	45·4	44·8	44·4
	10	37·8	38·6	41·6	44·0	44·6	45·8	46·6	47·0	48·4	46·8	46·2	44·8	45·3	45·3
	11	48·6	49·2	49·2	49·8	50·2	50·8	51·6	51·7	52·4	52·0	51·8	51·7	50·4	50·0
	12	44·8	39·6	45·2	47·0	47·6	47·6	47·4	47·1	46·5	45·9	45·0	44·4	11·8	40·8
	13	34·2	34·8	36·5	39·0	39·8	40·2	41·2	40·5	40·2	40·0	40·1	38·8	37·8	36·8
	14	30·4	31·4	33·4	35·4	36·6	37·4	37·8	39·5	39·7	39·5	38·6	37·5	36·4	35·9
	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	37·8	38·2	38·8	39·6	41·6	42·2	45·0	43·2	42·8	42·0	42·4	41·2	40·0	39·8
	17	36·2	36·4	37·4	38·0	36·8	37·4	37·0	37·2	37·4	37·2	37·5	36·0	35·4	35·2
	18	36·0	36·4	37·6	38·6	41·4	41·4	41·6	41·6	42·8	43·0	42·2	40·6	40·3	40·0
	19	31·2	32·0	35·0	37·2	39·6	39·8	40·1	40·5	42·3	44·1	42·8	40·8	39·8	39·2
	20	40·6	41·8	43·6	46·0	47·2	48·8	49·6	50·8	52·8	52·2	53·2	51·6	52·0	51 0
	21	51·0	49·4	48·2	48·0	47·4	45·7	43·9	42·6	41·2	40·1	37·5	36·6	35·4	35·0
	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	24·4	25·8	29·0	30·6	32 6	32·7	36·2	36·3	37·5	37·3	37·6	36·2	32·3	—
	24	27·6	27·6	30·4	32·6	33·0	38·4	40·0	40·5	41·4	41·1	40·4	38·0	34·8	32·4
	25	37·4	38·0	39·0	41·1	44·2	44·2	42·2	40·0	39·2	39·2	36·2	34·2	33·7	32·6
	26	27·4	26·6	28·8	31·8	32·6	32·8	33·0	34·7	36·1	35·1	33·4	32·8	32·9	33·4
	27	28·4	27·4	27·8	28·8	30·0	31·8	30·4	30·4	30·4	31·1	31·4	31·2	31·2	31·4
	28	28·0	28·0	30 0	31·6	32·8	32·8	35·2	37·5	37·1	38·0	36·8	34·7	32 0	31·2
	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	32·4	32·2	33·4	33·4	33·4	33·6	33 0	32·5	32·4	31·6	30·4	29·4	28·5	28·0
	31	26·4	26·0	28·4	29·6	30·8	32·2	32·6	32·6	33·2	34·8	34·2	35·0	34·8	31·6
Hourly Means		37·05	37·45	39·20	40·75	41·89	42·58	43·12	43·47	43·62	43·49	42·81	41·74	40·65	40·26

WET THERMOMETER.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°
70·7	69·0	69·8	68·9	66·8	64·4	68·8	68·0	67·5	66·8	65·5	65·0	69·12
74·0	73·2	73·2	72·5	72·4	70·8	—	—	—	—	—	—	71·55
—	—	—	—	—	—	71·0	70·6	70·2	70·4	65·5	64·4	
65·7	63·2	61·9	61·8	61·1	60·5	60·7	60·0	59·0	57·8	56·2	55·0	63·87
62 6	60·4	58·4	57·2	56·5	56·5	56·8	56·9	56·5	56·3	57·4	57·4	59·47
64·4	64·5	64·5	64·6	64·8	64·0	63·5	63·8	63·9	64·1	64·5	64·2	63·20
64·6	63·5	62·4	61·2	61·2	61·2	61·2	61·8	59·0	58·2	60·5	60·6	63 70
59·6	57·6	55·2	51·8	50·5	49·0	47·5	46·7	45·9	45·0	44·5	43·8	57·48
47·3	45·6	43·8	43·4	43·2	42·4	—	—	—	—	—	—	45·63
—	—	—	—	—	—	43·2	42·8	41·8	41·0	40·4	38·6	
51·0	46·4	44·2	43·0	41·8	40·4	40·0	41·3	41·3	41·2	41·3	41·0	46·17
50·2	45·0	43·0	43·4	41·5	41·2	41·1	41·7	44·4	44·8	45·8	45·6	47·15
54·8	56·2	55·3	55·8	56·0	54·7	54·8	55·0	54·8	55·0	55·5	55·4	53·51
53·9	54·4	54·8	55·2	56·0	56·8	57·2	57·6	58·1	58·3	58·2	58·2	55·63
61·8	60·5	60·2	58·0	57·7	58·7	58·2	57·6	56·4	56·3	55·4	55·2	59·75
59·7	58·8	57·9	55 4	57·0	57·0	—	—	—	—	—	—	61·03
—	—	—	—	—	—	65·2	64·4	65·4	65·4	66·7	64·4	
61·0	58·2	56·2	54·0	52·3	50·4	49·2	48·3	47·8	46·9	49·0	47·2	58·20
57·2	56·0	55·0	54·7	54·2	55·5	56·0	56·0	56·0	55·6	55·0	56·0	56·51
61·2	60·2	60·0	58·8	57·0	57·2	56·8	57·0	58·2	58·2	58·8	58 0	59·78
67·4	62·2	60·6	58·0	57·4	56·2	52·7	51·7	49·5	48·0	46·5	45·6	62·86
48·8	49·2	49·6	40·5	48·0	48·0	52·4	51·6	52·0	53·0	54·5	55·2	50·75
67·0	65·7	66 8	68·0	67·4	66·9	—	—	—	—	—	—	62·54
—	—	—	—	—	—	55·3	55·0	54·8	54·0	54·7	54·6	
52·5	51·7	51·3	51·0	50·2	50·0	49·5	47·2	46·8	46·0	45·8	45·8	52·10
41·6	40·5	40·8	40·0	38·0	37·0	36·5	35·8	36·2	35·2	34·8	35·2	40·63
41·4	38·2	36·5	36·6	36·5	36·2	35·3	35·2	33·5	32·6	32·6	33·6	37·60
46·4	43·5	41·5	40·6	40·8	40·0	38·8	38·5	39·0	40·2	40·8	41·2	43·10
55·4	52·0	51·0	50·5	47.8	45·1	44·0	45·5	43 7	43·6	42·4	42·0	50·00
52·8	53·2	53·5	55·4	56·4	56·4	—	—	—	—	—	—	52·97
—	—	—	—	—	—	51·8	52·0	51·0	50·4	49·8	49·2	
57·51	55·73	54·90	54·20	53·56	52·94	52·60	52·38	52·03	51·70	51·62	51·25	55·55
48·7	47·0	44·5	45·5	45·2	44·4	43·0	43·2	44·9	45·0	44·2	43·0	47·98
44·2	43·4	42·7	41·8	41·2	41·2	41·2	41·0	41·0	40·6	40·4	40·4	43·87
42·8	41·2	41·0	40·3	41·3	41·2	40·9	40·8	40·4	39·8	37·6	36·4	42·47
52·3	50·7	50·4	48·3	46·4	46·0	46·4	47·9	48·2	46·9	44·4	43·0	47·75
55·4	55·5	55·5	55·8	56·1	56·3	56·5	56·2	55·7	55·6	55·8	55·4	55·28
53·9	54·8	54·8	54·7	51·1	50·2	—	—	—	—	—	—	49·69
—	—	—	—	—	—	38·2	37·2	35·2	34·9	33·5	33·8	
44·8	44·4	44·0	44·2	43·7	42·1	41·0	40·0	37·4	37·0	37·2	37·6	42·66
45·3	45·3	45·2	45·0	44·5	44·2	44·3	44·5	45·4	46·0	46·6	48·0	44·85
50·4	50·0	50·1	49·0	47·4	46·8	47·0	46·7	45·7	45·4	45·6	44·6	49·07
11·8	40·8	39·4	38·2	37·3	36·4	34·4	32·5	33·2	33·3	33·3	34·4	40·96
37·8	36·8	36·0	35·0	32·3	32·0	31·8	31·0	30·6	30·2	30·4	30·2	35·81
36·4	35·9	35·5	34·8	34·0	33·6	—	—	—	—	—	—	36·40
—	—	—	—	—	—	37·8	37·4	37·2	38·1	38·0	37·8	
40·0	39·8	39·7	38·8	37·4	38·2	37·9	37·5	37·0	36·7	36·4	36·2	39·60
35·4	35·2	35·2	35·4	35·0	35·4	35·8	36·0	36·2	36·4	37·4	36·0	36·41
40·3	40·0	38·8	37·8	37·0	35·6	33·6	34·4	33·6	33·5	31·9	31·0	37·95
39·8	39·2	39·3	38·6	37·8	36·0	36·2	36·2	36·4	36·8	37·0	37·6	38·18
52·0	51·0	42·0	51·8	51·5	49·8	51·0	53·9	52·5	52·0	52·5	52·6	50·03
35·4	35·0	34·0	34·0	34·4	34·2	—	—	—	—	—	—	37·52
—	—	—	—	—	—	29·2	28·8	26·6	26·0	25·8	25·4	
32·3	—	—	28·4	28·5	28·4	27·2	28·6	27·6	28·2	27·8	27·5	30·94
34·8	32·4	32·0	32·5	31·9	31·1	31·5	32·5	32·2	32·4	32·7	36 0	34·29
33·7	32·6	31·8	32·0	29·0	28·1	28·4	28·8	28·2	29·0	28·5	27·6	34·69
32·9	33·4	33·5	33·2	33·5	33·4	33·8	32·8	32·5	31·4	31·8	29·8	32·38
31·2	31·4	31·5	32·2	32·5	32·0	31·2	31·1	29·9	29·4	27·4	28·0	30·29
32 0	31·2	33·5	33·8	37·3	38·0	—	—	—	—	—	—	33·50
—	—	—	—	—	—	34·4	33·2	32·0	31·6	32·0	32·6	
28·5	28·0	27·4	27·2	27·0	26·7	26·7	26·1	26·4	26·6	27·1	26·4	29·66
34·8	31·6	28·8	29·8	29·4	26·8	26·7	27·2	29·8	32·5	32·8	33·0	30·79
40·65	40·26	39·86	39·16	38·57	38·00	37·16	37·13	36·76	36·74	36·47	36·32	39·76

WET THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
NOVEMBER.	1	° 33·4	° 33·0	° 33·2	° 34·2	° 34·7	° 34·6	° 33·6	° 33·7	° 33·2	° 34·0	° 35·0	° 36·2	° 36·4	° 36·6
	2	34·2	34·8	35·2	36·8	37·2	37·0	36·6	36·7	36·1	35·8	35·0	34·2	33·4	33·2
	3	28·6	29·2	29·6	29·6	30·0	30·6	31·6	32·2	31·8	31·6	30·6	30·3	30·2	29·2
	4	25·4	25·8	25·6	25·8	26·8	26·6	27·0	27·2	27·2	27·0	26·8	26·4	26·1	25·6
	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	19·2	19·0	22·8	26·0	28·0	29·2	30·5	30·6	31·4	32·2	30·6	30·4	30·2	29·4
	7	29·6	30·0	30·6	30·2	31·6	32·0	32·6	32·7	32·7	34·9	34·6	33·6	33·4	33·7
	8	32·2	31·6	30·8	30·6	31·6	32·4	32·2	32·7	32·6	32·3	32·0	31·6	31·2	31·2
	9	29·4	30·0	29·6	31·6	32·6	32·6	33·2	34·2	34·0	34·8	33·2	33·2	33·8	33·8
	10	33·2	33·6	34·2	34·6	35·8	37·8	38·6	38·6	38·6	38·6	38·1	37·6	37·8	37·7
	11	35·0	36·0	36·4	36·6	37·0	37·0	36·8	37·1	37·0	36·5	35·5	35·5	34·8	32·8
	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	28·6	28·0	28·6	29·2	30·8	32·0	32·6	31·2	31·6	31·7	28·2	26·7	25·7	25·1
	14	19·2	19·0	19·2	20·4	21·0	21·8	23·6	26·1	25·8	25·2	23·7	22·0	21·5	22·5
	15	28·4	29·0	30·0	30·4	31·0	32·0	32·2	32·4	32·5	32·8	33·8	34·9	35·7	36·8
	16	39·2	39·4	40·2	40·6	41·8	42·8	44·0	47·5	47·7	45·6	44·3	42·6	43·4	41·2
	17	30·2	31·0	32·0	32·6	37·4	40·6	41·2	40·9	40·5	40·7	40·7	40·6	41·2	41·4
	18	41·6	40·6	40·6	41·2	41·4	40·5	39·8	40·4	39·5	38·5	37·3	37·2	36·1	35·6
	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	28·0	28·6	31·8	32·6	34·4	39·2	40·6	41·7	40·0	41·0	39·0	37·0	38·0	37·8
	21	39·2	39·4	40·2	41·6	42·6	42·2	40·9	41·2	40·6	40·0	39·4	38·9	38·0	37·2
	22	29·2	29·0	29·8	31·4	32·0	32·3	32·6	32·7	32·3	32·5	32·6	32·4	32·4	31·4
	23	25·4	27·2	30·4	32·4	32·7	34·8	37·6	37·4	36·6	37·1	37·5	37·2	37·8	38·8
	24	45·6	48·6	45·2	42·2	40·8	40·2	40·4	39·8	40·0	38·7	37·5	35·0	34·2	33·4
	25	30·0	28·8	29·4	30·8	32·0	32·5	32·7	34·8	35·4	35·9	35·4	33·5	33·4	32·4
	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	21·2	20·4	20·2	19·8	20·0	20·4	21·0	21·8	22·5	23·6	23·4	21·4	19·5	18·5
	28	15·0	15·4	17·0	20·6	22·6	24·0	26·0	27·0	27·5	28·2	28·2	27·0	26·3	25·8
	29	26·6	26·6	27·0	28·0	29·4	30·2	30·6	30·7	30·7	31·3	31·0	30·6	30·4	29·8
	30	22·8	22·2	22·0	23·2	23·5	24·6	24·8	25·8	25·4	25·2	25·4	25·5	25·5	25·8
Hourly Means		29·63	29·85	30·45	31·27	32·26	33·07	33·59	34·12	33·97	34·07	33·42	32·75	32·55	32·18
DECEMBER.	1	27·6	27·8	28·0	29·2	29·5	30·1	30·4	30·6	30·6	30·5	30·0	30·1	29·0	28·4
	2	26·6	27·0	27·4	28·0	29·0	30·0	31·2	31·5	31·4	31·4	30·0	28·5	27·4	26·6
	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	32·4	32·4	32·8	32·8	34·8	36·8	37·8	37·2	36·9	36·2	35·8	35·4	34·4	34·1
	5	26·5	25·5	23·9	23·4	22·8	21·6	21·2	21·0	21·8	22·0	19·6	18·0	18·5	17·0
	6	19·6	20·6	24·2	25·2	26·8	27·6	28·4	28·5	28·5	28·0	27·2	27·5	27·8	28·3
	7	26·6	26·4	27·2	29·0	29·6	28·6	29·8	30·7	31·0	29·9	29·7	29·3	29·0	28·8
	8	28·8	28·8	26·6	25·4	26·4	27·4	29·4	29·2	29·6	30·6	30·9	31·4	31·6	31·2
	9	26·8	27·0	27·4	28·0	28·6	29·2	30·4	30·0	30·0	29·4	28·6	27·6	25·5	24·9
	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	34·0	35·0	35·0	34·8	34·0	33·4	33·3	33·2	33·4	31·8	31·6	32·5	32·4	29·8
	12	18·2	15·2	13·6	14·2	15·4	15·8	16·0	16·4	15·2	14·4	13·2	12·4	12·0	11·3
	13	4·4	6·6	11·0	13·4	18·2	22·6	23·4	24·9	25·9	27·3	26·1	25·4	25·5	26·0
	14	26·0	27·2	28·4	29·4	31·0	32·2	32·8	32·6	32·7	33·5	33·2	33·0	32·5	32·4
	15	32·4	33·0	33·0	33·4	34·4	35·4	35·8	35·2	35·5	34·0	33·5	33·2	33·2	33·0
	16	33·8	33·8	33·8	33·8	33·8	33·8	34·0	34·0	34·2	34·2	33·0	32·6	32·1	31·7
	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	29·8	29·8	30·2	30·8	31·4	31·4	30·4	31·0	31·4	31·2	31·8	30·6	30·2	29·6
	19	28·0	27·8	28·2	29·0	30·4	31·6	32·0	32·5	32·6	32·5	32·4	31·6	29·5	29·2
	20	32·0	32·0	32·2	32·4	32·8	33·2	35·4	35·7	35·4	35·5	35·4	34·8	34·5	34·6
	21	32·8	33·0	33·2	33·5	34·2	35·2	35·9	36·1	36·5	37·0	36·1	34·7	34·3	33·9
	22	30·0	29·0	30·0	30·8	32·2	33·0	35·4	37·2	35·4	35·2	34·6	34·2	34·2	34·2
	23	31·6	32·0	32·4	32·4	32·6	32·6	33·0	33·2	33·0	33·3	33·5	33·8	34·4	34·8
	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	25[a]	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	34·6	34·6	34·8	34·2	34·4	35·2	36·2	36·6	36·9	37·2	38·1	38·0	38·5	38·5
	27	37·8	37·0	36·0	37·0	37·8	38·4	36·8	36·5	36·7	37·6	37·2	35·8	35·0	34·6
	28	31·6	31·6	32·0	32·6	32·6	34·0	35·2	35·3	34·4	34·7	32·7	31·4	28·5	27·5
	29	25·0	24·6	24·4	23·2	23·2	24·6	24·8	25·5	25·5	25·8	25·8	26·0	26·0	26·2
	30	25·0	25·2	25·6	25·6	25·7	25·5	25·8	25·0	25·4	24·5	24·5	24·0	23·9	23·9
	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		28·08	28·12	28·45	28·86	29·67	30·37	30·99	31·18	31·20	31·11	30·58	30·07	29·60	29·22

[a] Christmas Day.

WET THERMOMETER.													
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°
36·4	36·6	36·6	37·6	37·8	37·6	36·8	36·4	35·3	35·2	35·0	34·6	35·20
33·4	33·2	32·5	31·5	31·0	30·2	30·0	30·3	30·4	30·5	30·4	29·2	33·42
30·2	29 2	29·2	29·2	29·0	28·8	27·5	26·5	25·6	25·5	25·4	25·4	29·05
26·1	25·6	25·3	25·0	24·8	24·6	—	—	—	—	—	—	
—	—	—	—	—	—	21·9	21·1	20·9	20·8	18·7	20·2	24·69
30·2	29·4	29·8	29·9	30·1	29·7	29·6	29·8	29·8	29·6	29·8	29·6	28·63
33·4	33·7	33·5	32·8	33·2	33·3	32·4	32·3	32·6	32·6	32·4	32·0	32·47
31·2	31·2	31·1	32·4	31·0	31·0	30·9	31·1	30·5	30·4	30·0	29·4	31·37
33·8	33·8	34·3	34·0	34·8	35·3	34·6	33·7	33·5	33·5	33·3	33·2	33·18
37·8	37·7	37·5	37·4	36·3	35·5	35·0	34·2	34·2	34·9	34·5	35·0	36·22
34·8	32·8	31·8	32·4	31·0	29·6	—	—	—	—	—	—	
—	—	—	—	—	—	28·5	28·2	28·0	27·8	28·2	28·0	33·23
25·7	25·1	24·8	25·2	23·4	22·5	21·8	21·2	19·4	19·8	19·7	19·6	26·14
21·5	22·5	25·2	25·4	25·2	26·7	26·2	26·6	27·2	27·6	27·8	28·6	24·66
35·7	36·8	37·4	38·0	38·0	37·6	37·2	36·8	37·5	38·2	38·8	38·8	34·59
43·4	41·2	39·0	36·7	33·1	31·8	30·8	29·6	29·5	29·6	30·8	30·8	38·42
41·2	41·4	42·1	43·0	42·0	41·6	41·6	40·0	39·8	40·5	40·9	40·6	39·30
36·1	35·6	35·9	36·3	36·0	35·1	—	—	—	—	—	—	
—	—	—	—	—	—	32·8	31·7	31·2	31·0	31·0	28·6	36·66
38·0	37·8	37·8	38·2	38·3	38·0	38·0	38·0	38·4	39·2	39·7	39·2	37·27
38·0	37·2	37·2	36·2	36·2	33·4	33·2	31·0	30·5	30·4	30·0	30·2	37·07
32·4	31·4	30·1	29·9	28·6	27·5	27·5	26·7	26·0	25·2	25·2	25·2	29·77
37·8	38·8	39·8	41·2	41·8	42·8	44·6	44·8	45·0	44·8	46·4	46·4	38·35
34·2	33·4	32·6	32·6	31·3	31·6	31·6	31·5	31·2	31·2	30·4	28·6	36·43
33·4	32·4	31·8	30·2	28·5	28·2	—	—	—	—	—	—	
—	—	—	—	—	—	23·0	22·7	22·8	22·7	21·2	21·4	29·56
19·5	18·5	18·4	17·9	17·7	17·6	17·7	18·4	17·8	17·5	16·0	15·8	19·52
26·3	25·8	25·6	25·5	25·4	25·6	26·0	26·5	26·4	26·5	26·6	26·4	24·63
30·4	29·8	28·6	28·4	28·2	27·5	27·0	26·2	25·1	24·3	23·3	23·2	28·11
25·5	25·8	26·6	26·0	23·4	25·8	27·8	27·8	27·5	27·5	27·4	27·4	25·37
32·55	32·18	32·10	32·03	31·39	31·11	30·54	30·12	29·85	29·88	29·73	29·52	31·64
29·0	28·4	27·6	27·8	27·6	27·4	27·5	27·7	27·7	27·8	27·2	27·0	28·63
27·4	26·6	25·7	25·3	25·6	25·1	—	—	—	—	—	—	
—	—	—	—	—	—	33·0	32·2	31·8	31·8	31·8	31·8	29·17
34·4	34·1	34·1	34·8	33·8	31·4	31·8	31·0	29·8	29·4	29·0	26·7	33·40
18·5	17·0	15·8	13·4	15·5	13·8	15·5	16·6	17·6	18·2	19·3	19·4	19·45
27·8	28·3	28·0	28·3	28·6	28·9	28·7	28·5	28·0	27·2	26·4	26·6	26·98
29·0	28·8	28·5	28·3	28·4	28·6	29·0	30·2	29·9	30·1	29·8	29·2	29·07
31·6	31·2	30·2	30·2	29·7	27·8	26·0	25·5	29·2	28·9	28·6	27·4	28·78
25·5	24·9	23·2	21·6	21·6	20·3	—	—	—	—	—	—	
—	—	—	—	—	—	30·8	31·0	31·5	32·5	32·6	33·4	28·00
32·4	29·8	29·0	30·2	29·3	29·0	27·2	24·9	24·0	24·0	22·4	20·2	30·18
12·0	11·3	11·2	10·1	8·8	8·0	8·3	5·2	4·5	4·0	3·8	4·2	11·31
25·5	26·0	26·3	26·4	26·8	27·0	26·6	26·2	25·9	26·2	25·4	25·8	22·64
32·5	32·4	32·4	32·5	32·5	32·2	32·8	32·6	33·0	32·7	32·5	32·4	31·79
33·2	33·0	33·1	32·9	33·0	33·3	33·0	33·4	33·2	33·4	33·4	33·8	33·65
32·1	31·7	31·2	30·8	29·8	29·0	—	—	—	—	—	—	
—	—	—	—	—	—	31·1	30·5	30·3	30·3	30·1	30·2	32·16
30·2	29·6	29·4	29·1	29·2	28·9	27·9	28·2	27·8	28·0	27·7	27·8	29·73
29·5	29 2	29·1	29·4	29·2	30·0	29·8	28·4	29·9	31·2	31·6	31·4	30·30
34·5	34·6	34·4	34·4	34·0	33·4	33·2	33·1	33·0	33·0	33·0	33·0	33·77
34·3	33·9	33·6	32·4	33 0	32·6	32·5	31·5	31·0	30·5	32·2	31·0	33·61
34·2	34·2	34·3	34·2	33·5	33·0	32·8	32·4	33·3	32·4	32·2	32·0	33·15
34·4	34·8	34·5	35·0	34·9	34·6	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	33·55
—	—	—	—	—	—	32·8	33·0	33·6	34·6	34·8	34·8	
38·5	38·5	38·1	38·2	38·4	38·6	38·6	38·4	37·8	38·0	37·9	37·8	37·07
35·0	34·6	33·8	33·2	32·7	32·3	32·3	32·4	32·0	31·7	31·8	31·6	34·92
28·5	27·5	27·3	27·2	26·4	28·0	26·0	26·3	25·8	25·6	25·4	25·0	29·80
26·0	26·2	26·2	27·3	25·8	26·2	26·1	25·9	25·3	25·0	24·7	25·0	25·34
23·9	23·9	24·4	24·5	24·7	24·8	—	—	—	—	—	—	
—	—	—	—	—	—	25·4	25·3	24·9	24·2	23·2	22·6	24·73
29·60	29·22	28·86	28·70	28·51	28·07	28·75	28·42	28·43	28·43	28·27	28·00	29·25

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
Humidity of the Air. JANUARY.	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2	93	100	100	96	84	88	90	90	87	81	80	81	81	79
	3	77	80	93	85	82	83	83	89	72	70	80	83	80	77
	4	88	82	77	75	78	79	75	74	72	75	65	78	72	87
	5	96	91	92	100	90	89	85	85	80	90	91	91	90	93
	6	95	95	98	95	89	78	93	92	87	85	83	82	82	85
	7	85	93	94	93	91	89	86	88	83	79	83	97	100	90
	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	83	80	91	84	83	81	84	82	79	86	86	86	85	96
	10	91	90	92	92	82	95	96	96	97	96	95	90	93	90
	11	97	88	93	93	91	96	87	91	79	85	85	86	90	93
	12	86	90	88	88	83	85	84	91	93	92	92	91	91	89
	13	90	91	89	87	90	89	91	93	99	89	85	77	83	84
	14	75	79	92	92	91	84	81	84	76	77	82	90	100	100
	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	90	88	92	95	93	96	95	96	100	100	100	92	91	79
	17	90	91	93	94	100	100	100	99	98	97	97	98	98	99
	18	94	94	95	97	64	69	86	82	77	76	63	76	73	74
	19	72	72	66	67	71	68	70	69	71	72	72	85	89	90
	20	95	95	98	100	100	100	100	100	100	100	100	100	100	98
	21	100	100	100	96	100	85	83	81	79	52	57	59	70	72
	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	92	94	91	91	86	86	89	84	86	88	80	82	83	84
	24	97	74	79	75	77	65	61	62	58	62	51	65	69	77
	25	89	84	69	77	72	70	60	51	55	51	51	54	40	46
	26	22	20	21	26	39	50	60	51	55	57	69	71	70	72
	27	92	87	87	87	86	87	90	81	80	78	78	77	86	76
	28	86	88	84	84	84	86	81	89	89	89	85	85	81	80
	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	85	82	83	97	100	87	82	82	80	88	85	87	93	94
	31	99	98	100	100	100	100	100	100	100	100	100	100	100	100
	Hourly Means	87	86	87	87	85	84	84	84	82	81	81	83	84	85
Tension of the Vapour. JANUARY.	1	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	·117	·133	·139	·141	·138	·153	·156	·153	·146	·133	·126	·125	·122	·117
	4	·060	·059	·068	·066	·066	·072	·071	·079	·065	·063	·067	·066	·061	·057
	5	·063	·060	·057	·058	·068	·080	·080	·087	·084	·091	·077	·089	·082	·077
	6	·129	·122	·126	·156	·145	·164	·160	·161	·160	·165	·166	·164	·166	·167
	7	·166	·171	·174	·172	·164	·157	·191	·198	·194	·194	·191	·190	·191	·195
	8	·210	·221	·222	·233	·239	·239	·233	·233	·228	·206	·209	·228	·230	·190
	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	·100	·095	·107	·112	·120	·122	·140	·136	·136	·141	·139	·132	·130	·145
	11	·165	·164	·169	·173	·162	·191	·194	·193	·196	·196	·193	·176	·178	·171
	12	·151	·133	·140	·151	·151	·164	·156	·165	·149	·158	·154	·156	·159	·163
	13	·145	·151	·147	·149	·146	·153	·153	·163	·169	·172	·172	·171	·171	·169
	14	·171	·171	·170	·167	·172	·170	·173	·174	·175	·138	·125	·107	·111	·111
	15	·106	·108	·121	·119	·119	·114	·114	·118	·110	·107	·111	·115	·139	·139
	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	·146	·136	·134	·127	·124	·125	·125	·126	·134	·133	·131	·119	·122	·098
	18	·103	·105	·111	·125	·149	·154	·155	·155	·150	·148	·143	·142	·143	·145
	19	·145	·141	·157	·169	·137	·149	·201	·206	·204	·214	·177	·174	·147	·153
	20	·152	·160	·146	·155	·160	·163	·170	·181	·187	·188	·185	·222	·226	·225
	21	·214	·213	·226	·221	·228	·234	·249	·248	·246	·225	·243	·234	·239	·218
	22	·207	·197	·232	·231	·266	·279	·280	·270	·279	·222	·231	·213	·225	·214
	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	·142	·160	·156	·155	·157	·165	·173	·167	·177	·178	·166	·165	·166	·167
	25	·183	·141	·144	·130	·126	·122	·124	·130	·118	·125	·108	·118	·122	·133
	26	·149	·139	·113	·123	·103	·092	·072	·057	·057	·052	·050	·047	·035	·037
	27	·010	·011	·011	·016	·025	·039	·071	·057	·057	·055	·071	·074	·076	·087
	28	·139	·122	·122	·121	·124	·133	·140	·136	·136	·129	·130	·127	·140	·123
	29	·119	·121	·113	·114	·119	·128	·135	·140	·140	·143	·130	·130	·097	·087
	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	·105	·093	·097	·136	·155	·150	·158	·158	·160	·168	·151	·151	·159	·164
	Hourly Means	·185	·189	·202	·205	·206	·207	·210	·212	·212	·216	·215	·212	·195	·190
		·138	·135	·139	·143	·145	·151	·157	·158	·157	·152	·149	·148	·147	·140

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
—	—	—	—	—	—	—	—	—	—	—	—	—
81	79	79	75	88	100	80	80	85	74	80	88	86
80	77	83	85	83	83	82	83	83	88	85	93	83
72	87	79	80	83	87	90	93	93	94	96	92	82
90	93	92	90	91	95	93	88	91	89	92	91	91
82	85	85	85	83	86	86	83	76	86	87	83	87
100	90	93	89	83	87	—	—	—	—	—	—	86
—	—	—	—	—	—	77	79	78	81	75	81	
85	96	94	77	90	93	93	91	93	93	93	90	87
93	90	96	99	97	96	95	90	85	87	87	89	92
90	93	90	87	88	85	85	84	84	84	83	84	88
91	89	91	90	91	91	95	92	94	94	94	92	90
83	84	86	88	86	86	86	87	87	87	88	80	87
100	100	100	94	91	90	—	—	—	—	—	—	90
—	—	—	—	—	—	98	97	97	95	95	90	
91	79	77	87	84	88	87	87	91	91	95	90	91
98	99	95	97	100	98	97	94	94	95	97	95	97
73	74	74	72	68	59	59	67	75	78	71	78	76
89	90	83	95	96	99	99	97	98	97	100	97	83
100	98	96	97	99	100	99	100	100	100	100	100	99
70	72	77	82	86	88	—	—	—	—	—	—	81
—	—	—	—	—	—	78	79	77	78	83	90	
83	84	95	80	82	84	88	90	89	85	80	80	86
69	77	77	78	77	79	78	90	92	81	80	88	75
40	46	52	33	32	30	23	09	23	38	15	22	48
70	72	78	75	85	84	83	80	83	90	87	90	63
86	76	76	78	80	89	88	88	87	87	91	91	84
81	80	83	77	78	77	—	—	—	—	—	—	78
—	—	—	—	—	—	70	53	52	53	52	81	
93	91	94	95	97	97	91	82	84	100	96	98	90
100	100	93	94	100	76	65	64	63	65	64	68	90
84	85	85	84	85	86	83	82	83	84	83	85	84
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
—	—	—	—	—	—	—	—	—	—	—	—	—
·122	·117	·114	·103	·116	·127	·090	·088	·089	·072	·070	·074	·118
·061	·057	·064	·068	·070	·068	·065	·064	·066	·066	·064	·068	·066
·082	·077	·096	·095	·091	·097	·099	·104	·107	·113	·118	·120	·087
·166	·167	·164	·141	·147	·131	·124	·116	·119	·122	·141	·155	·146
·191	·195	·198	·198	·197	·202	·200	·202	·197	·206	·211	·207	·190
·230	·190	·192	·181	·169	·179	—	—	—	—	—	—	·186
—	—	—	—	—	—	·104	·105	·103	·105	·093	·059	
·130	·145	·144	·123	·150	·156	·165	·163	·163	·163	·165	·162	·138
·178	·171	·178	·181	·180	·180	·175	·165	·154	·156	·144	·138	·174
·159	·163	·159	·153	·153	·151	·149	·147	·147	·146	·144	·144	·152
·171	·169	·171	·172	·173	·175	·180	·173	·177	·175	·175	·175	·166
·111	·111	·113	·112	·106	·103	·103	·109	·110	·115	·117	·112	·135
·139	·139	·136	·131	·131	·134	—	—	—	—	—	—	·127
—	—	—	—	—	—	·132	·138	·147	·147	·150	·150	
·122	·098	·096	·119	·129	·125	·116	·108	·107	·108	·110	·103	·121
·143	·145	·142	·145	·148	·149	·153	·149	·149	·153	·159	·148	·143
·147	·153	·152	·161	·147	·137	·139	·132	·147	·151	·153	·159	·161
·226	·225	·218	·244	·228	·219	·217	·228	·234	·215	·237	·238	·200
·239	·218	·220	·225	·230	·232	·227	·225	·226	·232	·220	·220	·229
·225	·214	·215	·210	·212	·209	—	—	—	—	—	—	·208
—	—	—	—	—	—	·132	·133	·131	·128	·132	·141	
·166	·167	·187	·160	·161	·168	·181	·182	·183	·176	·166	·160	·168
·122	·133	·136	·135	·136	·143	·135	·154	·157	·140	·136	·149	·135
·035	·037	·040	·024	·022	·021	·015	·006	·014	·023	·009	·012	·055
·076	·087	·095	·096	·119	·119	·109	·100	·109	·131	·126	·137	·075
·140	·123	·123	·129	·137	·139	·129	·129	·128	·128	·129	·126	·130
·097	·087	·098	·093	·097	·097	—	—	—	—	—	—	·103
—	—	—	—	—	—	·058	·052	·055	·050	·055	·097	
·159	·164	·165	·154	·163	·169	·170	·162	·167	·187	·182	·184	·155
·195	·190	·178	·178	·168	·110	·083	·073	·070	·071	·069	·069	·159
·147	·140	·146	·144	·145	·144	·133	·131	·133	·134	·134	·136	·143

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
Humidity of the Air. FEBRUARY.	1	62	59	57	58	57	59	55	57	56	65	56	67
	2	22	27	22	65	55	31	32	40	51	48	58	64
	3	86	86	81	88	82	81	83	79	75	75	75	67
	4	81	81	83	84	83	85	93	82	86	81	87	84
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	56	52	44	47	48	47	42	51	50	49	44	21
	7	54	49	50	48	44	47	46	49	48	49	48	32
	8	62	61	60	75	73	52	72	46	52	53	54	44
	9	60	61	60	47	54	54	57	53	55	50	51	45
	10	64	64	64	63	67	76	78	81	75	82	90	100
	11	82	86	54	57	58	56	61	45	40	42	45	34
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	56	58	54	62	58	55	59	58	50	55	49	36
	14	55	38	60	76	44	34	80	73	70	68	65	62
	15	44	43	72	43	44	44	45	43	48	49	55	48
	16	38	41	45	38	45	33	44	54	64	69	46	23
	17	—	—	04	33	32	30	35	29	36	29	30	40
	18	—	—	—	67	33	40	48	53	42	39	43	53
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	36	54	55	60	55	54	63	52	63	64	65	62
	21	67	71	75	80	84	85	76	75	71	78	76	69
	22	74	74	70	60	58	55	51	45	46	46	47	55
	23	31	12	39	42	42	21	67	42	46	39	41	33
	24	47	52	46	63	63	62	70	69	66	61	66	50
	25	65	67	70	73	75	77	77	73	79	74	83	80
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	68	70	68	68	65	65	78	69	74	70	79	74
	28	76	73	65	69	52	68	69	66	68	64	61	62
Hourly Means		58	58	57	61	57	55	62	58	59	58	59	55

		In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Tension of the Vapour. FEBRUARY.	1	·062	·056	·055	·056	·055	·060	·058	·060	·060	·071	·061	·065
	2	·010	·013	·012	·041	·035	·024	·029	·036	·053	·051	·065	·067
	3	·110	·111	·105	·114	·111	·112	·114	·114	·109	·110	·110	·095
	4	·084	·090	·100	·110	·113	·128	·160	·146	·145	·139	·150	·135
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	·048	·042	·036	·039	·041	·042	·042	·049	·044	·044	·036	·019
	7	·036	·034	·035	·035	·034	·039	·040	·048	·048	·050	·050	·032
	8	·047	·048	·046	·058	·062	·050	·073	·047	·053	·056	·056	·045
	9	·038	·041	·044	·041	·051	·054	·063	·059	·063	·057	·057	·059
	10	·067	·069	·069	·075	·083	·094	·102	·106	·102	·116	·132	·146
	11	·152	·137	·072	·068	·068	·065	·072	·053	·055	·053	·054	·042
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	·046	·047	·072	·054	·068	·056	·067	·067	·055	·063	·054	·040
	14	·042	·028	·043	·055	·033	·026	·065	·058	·057	·054	·052	·049
	15	·027	·028	·047	·032	·035	·037	·043	·044	·050	·050	·055	·048
	16	·025	·029	·028	·026	·034	·029	·038	·049	·060	·063	·040	·020
	17	·000	·000	·000	·016	·021	·022	·028	·025	·011	·027	·029	·032
	18	·000	·000	·000	·033	·021	·028	·039	·046	·038	·034	·039	·046
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	·022	·029	·042	·049	·056	·059	·075	·070	·087	·084	·086	·079
	21	·056	·064	·077	·091	·113	·123	·111	·118	·111	·118	·116	·099
	22	·080	·081	·079	·071	·070	·066	·060	·051	·053	·053	·051	·054
	23	·019	·007	·026	·032	·036	·021	·065	·042	·045	·042	·044	·035
	24	·033	·036	·036	·053	·065	·069	·081	·096	·100	·092	·101	·076
	25	·087	·088	·091	·097	·106	·122	·132	·136	·154	·145	·153	·145
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	·080	·079	·077	·080	·080	·086	·107	·102	·106	·100	·114	·103
	28	·084	·081	·076	·081	·067	·097	·109	·106	·105	·093	·086	·080
Hourly Means		·052	·052	·053	·059	·061	·063	·074	·072	·074	·074	·075	·067

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
61	49	42	40	38	38	37	36	37	32	28	51	50
68	74	68	62	71	64	67	70	70	78	79	77	57
78	79	78	78	77	73	76	72	76	80	69	78	78
88	83	85	84	81	68	—	—	—	—	—	—	79
—	—	—	—	—	—	77	73	65	59	55	60	
42	40	39	39	39	42	43	47	42	39	40	51	44
45	44	47	50	47	47	55	55	53	52	59	61	49
59	62	47	60	58	58	57	70	72	58	61	54	59
60	60	56	55	57	48	45	47	52	58	53	72	55
86	91	94	98	98	96	89	95	94	84	79	82	83
48	53	47	46	50	49	—	—	—	—	—	—	53
—	—	—	—	—	—	49	46	49	57	51	56	
47	46	50	43	40	50	50	49	46	44	45	32	50
61	55	51	57	57	46	45	45	45	38	38	48	55
43	42	44	42	54	54	47	47	42	40	40	41	46
35	32	37	28	24	20	—	02	—	—	—	—	38
33	47	46	36	33	32	28	25	18	15	05	00	30
47	47	45	44	46	43	—	—	—	—	—	—	52
—	—	—	—	—	—	65	65	48	66	60	55	
64	64	65	64	63	62	62	66	65	63	52	64	60
75	75	77	91	57	71	71	69	70	71	69	65	74
37	35	28	28	16	10	31	32	32	26	32	43	43
35	41	33	33	35	39	37	37	37	40	24	45	37
56	60	61	64	66	64	64	63	63	61	62	62	61
82	83	85	82	82	81	—	—	—	—	—	—	79
—	—	—	—	—	—	92	86	86	85	75	83	
61	72	72	64	83	80	86	71	74	73	73	72	72
59	51	50	50	51	54	52	54	50	53	56	65	60
58	58	56	56	55	54	55	55	56	55	52	55	57

In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·057	·042	·030	·027	·025	·025	·024	·020	·020	·018	·015	·025	·044
·066	·072	·074	·072	·080	·076	·080	·086	·086	·096	·098	·095	·059
·108	·110	·108	·108	·105	·100	·100	·087	·075	·080	·073	·082	·102
·129	·110	·119	·119	·114	·096	—	—	—	—	—	—	·109
—	—	—	—	—	—	·091	·085	·074	·066	·057	·056	
·028	·027	·025	·025	·025	·027	·027	·031	·027	·026	·026	·035	·034
·040	·036	·041	·044	·041	·040	·044	·043	·041	·041	·045	·046	·041
·055	·055	·057	·047	·044	·043	·039	·048	·043	·036	·038	·034	·049
·062	·057	·051	·045	·045	·036	·035	·038	·043	·049	·052	·075	050
·143	·158	·165	·177	·180	·185	·192	·211	·209	·188	·162	·165	·137
·051	·052	·045	·043	·044	·044	—	—	—	—	—	—	·060
—	—	—	—	—	—	·041	·039	·042	·048	·045	·047	
·047	·045	·047	·051	·047	·044	·043	·041	·039	·037	·038	·025	·050
·046	·042	·036	·040	·037	·029	·028	·029	·028	·024	·024	·030	·040
·037	·034	·032	·030	·045	·036	·034	·034	·029	·027	·027	·028	·037
·027	·020	·024	·016	·012	·008	·000	·000	·000	·000	·000	·000	·023
·031	·031	·030	·022	·019	·018	·015	·013	·009	·007	·002	·000	·018
·033	·033	·034	·033	·034	·032	—	—	—	—	—	—	·035
—	—	—	—	—	—	·066	·065	·043	·056	·045	·034	
·078	·074	·061	·049	·049	·044	·047	·054	·054	·051	·043	·049	·058
·105	·106	·103	·108	·055	·059	·063	·066	·074	·080	·078	·072	·090
·032	·028	·021	·018	·010	·005	·016	·018	·019	·016	·019	·028	·042
·032	·028	·021	·021	·023	·026	·024	·023	·024	·026	·016	·032	·030
·080	·085	·078	·084	·091	·084	·081	·081	·081	·077	·079	·080	·076
·147	·148	·150	·143	·141	·138	—	—	—	—	—	—	·125
—	—	—	—	—	—	·091	·128	·127	·120	·102	·101	
·086	·100	·097	·083	·107	·100	·109	·084	·086	·083	·084	·081	·092
·070	·061	·057	·055	·053	·054	·052	·053	·050	·051	·048	·055	·072
·066	·065	·063	·061	·059	·056	·056	·057	·055	·054	·051	·053	·061

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

Humidity of the Air. — MARCH.

Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
1	64	64	60	53	48	52	49	54	48	49	44	47	44	47
2	46	46	42	45	45	42	44	45	49	45	45	45	48	47
3	58	59	73	69	50	62	47	50	49	38	38	47	47	53
4	39	41	51	49	47	47	41	39	37	39	32	35	31	37
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	31	36	30	21	47	43	54	—	79	64	65	69	71	75
7	67	33	81	99	80	70	60	49	60	64	58	50	73	82
8	84	83	72	72	65	66	64	67	66	70	76	77	81	81
9	78	86	73	76	70	60	69	69	65	61	62	62	75	81
10	71	85	100	100	98	99	95	96	93	91	93	91	95	94
11	85	79	70	69	70	70	69	75	68	68	69	63	64	69
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	96	94	93	92	77	84	92	92	87	90	84	88	95	86
14	79	77	76	75	75	74	74	62	57	63	58	68	65	68
15	78	73	75	82	74	71	67	70	66	76	65	70	74	72
16	88	89	82	82	77	74	80	71	69	78	78	79	83	84
17	85	86	81	82	67	65	67	70	67	65	65	64	62	61
18	82	81	78	79	78	73	69	72	69	74	73	65	67	85
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	91	83	87	87	79	74	72	63	63	64	75	73	66	63
21	76	79	79	63	68	65	64	58	62	59	64	65	64	70
22	92	93	73	81	75	72	63	70	85	69	66	63	47	57
23	76	76	78	82	84	79	68	83	90	90	82	88	88	81
24	83	82	73	69	64	68	65	60	56	60	57	60	73	87
25	87	46	67	74	73	69	75	85	80	85	87	82	76	76
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	65	66	69	80	80	92	87	87	86	84	87	89	91	90
28	94	94	83	89	93	95	94	96	87	80	80	78	69	69
29	77	75	71	63	71	69	63	61	59	66	55	57	65	66
30	62	66	67	68	96	57	62	98	62	63	68	69	70	69
31	86	88	88	96	90	91	94	90	93	94	95	89	95	90
Hourly Means	75	73	73	74	72	70	68	70	69	68	67	68	70	72

Tension of the Vapour. — MARCH.

	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
1	·055	·056	·056	·055	·051	·055	·055	·061	·055	·055	·048	·051	·046	·040
2	·030	·032	·030	·034	·040	·041	·045	·042	·054	·050	·050	·045	·047	·044
3	·043	·045	·061	·063	·062	·073	·056	·058	·059	·047	·046	·054	·052	·056
4	·023	·022	·033	·045	·052	·056	·052	·052	·051	·053	·044	·045	·034	·039
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	·020	·023	·021	·017	·045	·046	·065	—	·110	·090	·092	·096	·080	·078
7	·031	·016	·051	·083	·076	·076	·071	·067	·087	·095	·091	·079	·088	·078
8	·100	·108	·100	·100	·096	·160	·099	·107	·106	·112	·119	·120	·126	·124
9	·085	·083	·084	·091	·092	·089	·112	·121	·109	·108	·106	·105	·094	·082
10	·121	·137	·162	·171	·170	·171	·166	·172	·168	·170	·174	·172	·180	·179
11	·151	·135	·116	·109	·113	·115	·118	·124	·117	·116	·117	·119	·107	·102
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	·164	·164	·165	·168	·156	·161	·185	·194	·181	·189	·170	·168	·145	·117
14	·071	·071	·074	·076	·080	·083	·091	·084	·085	·102	·104	·108	·096	·101
15	·108	·098	·095	·108	·115	·120	·116	·124	·107	·119	·098	·100	·102	·100
16	·066	·069	·080	·095	·098	·104	·122	·111	·106	·112	·111	·110	·112	·111
17	·100	·105	·106	·115	·104	·105	·117	·125	·119	·116	·112	·102	·094	·090
18	·093	·093	·097	·105	·107	·107	·106	·112	·107	·114	·108	·100	·092	·109
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	·084	·085	·107	·115	·113	·114	·115	·101	·101	·104	·110	·108	·094	·088
21	·080	·081	·097	·083	·093	·090	·092	·088	·095	·098	·102	·102	·094	·097
22	·073	·079	·085	·106	·110	·112	·103	·122	·132	·120	·127	·119	·074	·073
23	·056	·056	·059	·065	·072	·071	·065	·076	·085	·087	·074	·078	·077	·072
24	·064	·067	·067	·070	·073	·085	·083	·075	·082	·087	·085	·085	·089	·080
25	·078	·051	·077	·090	·096	·099	·110	·126	·134	·128	·123	·110	·102	·096
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	·097	·099	·102	·121	·121	·133	·128	·131	·131	·129	·134	·138	·136	·135
28	·169	·169	·162	·175	·194	·206	·211	·226	·194	·177	·161	·146	·120	·118
29	·086	·094	·103	·107	·114	·119	·122	·126	·122	·139	·115	·116	·123	109
30	·067	·070	·076	·080	·111	·084	·094	·111	·104	·108	·108	·108	·106	·105
31	·126	·129	·132	·144	·139	·143	·147	·146	·148	·147	·146	·137	·140	·146
Hourly Means	·083	·083	·089	·096	·100	·102	·105	·111	·109	·110	·106	·104	·098	·096

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
4	5	6	7	8	9	10	11	12	13	14	15	16	17	
44	47	44	47	39	53	52	53	48	47	43	42	42	43	49
45	45	48	47	44	37	36	23	23	60	44	46	47	53	44
38	47	47	53	52	50	53	53	48	47	44	49	47	44	51
32	35	31	37	37	30	36	38	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	32	35	37	37	32	31	38
65	69	71	75	67	93	85	86	79	77	78	56	72	—	63
58	50	73	82	87	91	91	86	91	81	82	83	74	69	73
76	77	81	81	80	85	79	82	83	85	86	88	87	82	78
62	62	75	81	82	81	86	86	81	77	77	72	71	73	74
93	91	95	94	94	96	97	95	95	94	91	81	85	88	92
69	63	64	69	71	74	80	82	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	91	93	95	95	95	96	78
84	88	95	86	75	74	71	74	79	77	80	74	78	92	84
58	68	65	68	72	72	80	79	76	75	75	85	90	87	73
65	70	74	72	78	94	82	93	77	96	90	85	91	86	79
78	79	83	84	90	91	92	90	92	91	91	91	88	88	84
65	64	62	61	69	72	72	78	82	78	81	82	90	80	74
73	65	67	85	82	87	88	89	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	92	93	86	89	91	91	81
75	73	66	63	67	72	66	66	71	72	67	69	69	76	72
64	65	64	70	64	65	64	63	64	73	70	68	69	82	67
66	63	47	57	65	72	73	70	73	67	67	84	95	74	73
82	88	88	81	81	88	86	83	83	79	78	85	86	80	82
57	60	73	87	71	73	81	72	69	69	71	73	86	91	71
87	82	76	76	73	75	75	93	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	94	91	93	86	71	65	78
87	89	91	90	95	95	95	95	98	96	95	95	96	93	88
80	78	69	69	77	75	72	74	67	67	65	72	74	74	80
55	57	65	60	63	64	70	69	69	83	66	66	68	68	67
68	69	70	69	65	64	70	71	94	92	94	92	96	87	75
95	89	95	96	93	96	95	82	95	91	94	90	94	79	91
67	68	70	72	72	75	75	75	76	77	76	75	77	73	73
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·048	·051	·046	·046	·039	·051	·047	·047	·040	·038	·034	·030	·030	·028	·047
·050	·045	·047	·044	·037	·029	·028	·013	·013	·030	·029	·033	·034	·038	·036
·046	·054	·052	·056	·054	·050	·052	·049	·040	·038	·030	·037	·033	·028	·050
·044	·045	·034	·039	·035	·028	·030	·030	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	·023	·027	·026	·027	·023	·021	·036
·092	·096	·080	·078	·063	·081	·074	·067	·053	·043	·051	·028	·034	—	·058
·091	·079	·088	·078	·070	·073	·067	·064	·062	·052	·057	·060	·066	·071	·068
·110	·120	·126	·124	·121	·124	·113	·108	·104	·101	·098	·102	·095	·093	·107
·106	·105	·094	·082	·085	·082	·085	·097	·102	·118	·122	·117	·119	·124	·101
·174	·172	·180	·179	·179	·186	·184	·182	·182	·183	·178	·162	·165	·163	·170
·117	·119	·107	·102	·098	·093	·086	·076	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	·153	·156	·157	·160	·160	·164	·123
·170	·168	·145	·117	·094	·091	·084	·079	·077	·070	·068	·071	·074	·070	·130
·104	·108	·096	·101	·105	·103	·116	·112	·121	·120	·123	·130	·131	·121	·100
·098	·100	·102	·100	·102	·098	·073	·079	·091	·102	·061	·060	·063	·060	·096
·111	·110	·112	·111	·115	·107	·108	·100	·101	·099	·099	·100	·099	·099	·101
·112	·102	·094	·090	·096	·102	·102	·103	·102	·094	·091	·089	·091	·089	·103
·108	·109	·092	·109	·107	·108	·107	·103	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	·102	·096	·085	·086	·085	·085	·101
·110	·108	·094	·088	·089	·088	·083	·079	·083	·082	·069	·071	·071	·081	·093
·102	·102	·094	·097	·090	·090	·083	·082	·081	·091	·084	·075	·072	·072	·088
·127	·119	·074	·073	·078	·081	·079	·074	·073	·065	·063	·074	·078	·058	·090
·074	·078	·077	·072	·071	·078	·078	·077	·077	·071	·069	·071	·069	·063	·072
·085	·085	·089	·080	·079	·076	·078	·069	·065	·065	·069	·072	·080	·084	·076
·123	·110	·102	·096	·090	·087	·082	·094	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	·102	·098	·100	·099	·098	·095	·099
·134	·138	·136	·135	·140	·140	·145	·149	·156	·158	·159	·165	·167	·164	·137
·161	·146	·120	·118	·128	·126	·122	·116	·100	·096	·091	·092	·091	·084	·145
·115	·116	·123	·109	·109	·109	·111	·105	·101	·106	·079	·076	·075	·074	·106
·108	·108	·106	·105	·100	·104	·104	·106	·134	·133	·134	·135	·137	·128	·106
·146	·137	·140	·146	·137	·130	·131	·109	·155	·117	·118	·109	·082	·098	·132
·106	·104	·098	·096	·093	·093	·091	·088	·092	·091	·087	·086	·086	·087	·095

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

		Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
		Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
Humidity of the Air.	APRIL.	1	81	82	77	75	87	77	46	65	64	59	53	64	65	66
		2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		3	86	78	66	69	61	69	56	50	60	57	56	65	76	96
		4	86	76	74	73	65	55	71	78	81	80	80	82	89	93
		5	93	95	90	63	92	93	80	72	80	81	80	87	77	79
		6	86	86	79	78	54	66	63	60	80	85	67	68	72	78
		7	74	75	79	79	74	63	70	69	71	71	70	68	66	73
		8	70	70	65	67	60	60	58	44	35	39	43	47	58	72
		9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	75	72	81	70	70	53	39	39	42	—	44	38	59	47
		11	72	73	69	66	67	66	58	54	55	61	62	58	54	55
		12	82	75	50	64	58	58	69	72	60	54	60	55	56	53
		13	77	60	60	54	58	58	69	72	71	78	82	82	88	85
		14*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		15	90	90	90	91	94	89	86	90	80	82	83	85	88	89
		16	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		17	48	44	42	42	52	51	58	58	55	52	59	58	64	65
		18	50	84	87	95	96	95	96	95	95	88	86	96	95	94
		19	91	91	91	91	88	85	82	82	81	79	80	81	82	83
		20	88	87	87	84	82	80	83	78	74	78	76	65	65	66
		21	95	95	92	88	84	81	70	66	61	64	57	66	71	72
		22	68	65	64	62	50	61	75	61	62	69	84	68	82	82
		23	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		24	85	80	78	74	74	71	69	67	63	64	66	67	68	73
		25	89	92	91	89	83	82	78	78	77	78	73	79	84	84
		26	92	85	96	94	89	84	83	78	78	76	77	81	83	75
		27	92	94	94	92	88	83	73	63	52	42	40	42	56	76
		28	54	52	51	59	62	62	49	45	45	41	44	46	54	59
		29	84	86	75	69	66	62	65	66	64	69	67	54	65	71
		30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means			80	79	76	75	74	71	69	67	66	65	66	67	71	74
Tension of the Vapour.	APRIL.	1	In. ·097	In. ·101	In. ·107	In. ·110	In. ·137	In. ·131	In. ·084	In. ·122	In. ·122	In. ·116	In. ·111	In. ·116	In. ·103	In. ·101
		2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		3	·082	·086	·095	·119	.121	·142	·124	·116	·131	·130	·135	·173	·160	·162
		4	·135	·135	·142	·147	.139	·123	·151	·157	·160	·159	·160	·162	·170	·174
		5	·148	·158	·170	·135	.214	·222	·192	·187	·190	·189	·194	·207	·166	·168
		6	·142	·155	·153	·153	.120	·155	·161	·159	·180	·188	·172	·172	·167	·162
		7	·109	·120	·147	·154	.152	·139	·169	·176	·179	·178	·171	·162	·151	·158
		8	·175	·184	·187	·192	.186	·186	·179	·146	·120	·130	·145	·145	·163	·179
		9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	·135	·127	·145	·137	·141	·123	·100	·105	·123	—	·119	·110	·111	·112
		11	·130	·142	·154	·162	·173	·181	·172	·157	·173	·206	·217	·216	·189	·162
		12	·135	·145	·118	·160	·178	·194	·233	·251	·228	·213	·240	·222	·177	·144
		13	·143	·149	·158	·152	·174	·168	·194	·198	·211	·210	·214	·220	·219	·211
		14*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		15	·231	·217	·225	·236	·285	·314	·344	·356	·353	·347	·334	·311	·316	·305
		16	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		17	·118	·112	·113	·119	·154	·157	·171	·174	·155	·148	·158	·150	·167	·160
		18	·124	·178	·188	·188	·192	·191	·192	·189	·192	·190	·185	·194	·196	·194
		19	·193	·195	·197	·206	·208	·216	·228	·222	·213	·216	·210	·207	·202	·204
		20	·211	·215	·219	·221	·223	·252	·263	·263	·250	·287	·294	·269	·261	·193
		21	·179	·217	·258	·273	·284	·302	·297	·297	·288	·327	·288	·298	·274	·257
		22	·219	·237	·242	·251	·256	·265	·281	·238	·254	·269	·309	·276	·240	·232
		23	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		24	·321	·296	·292	·280	·283	·278	·279	·296	·295	·296	·292	·281	·272	·273
		25	·263	·273	·280	·290	·287	·290	·273	·274	·296	·307	·313	·282	·256	·251
		26	·246	·236	·270	·300	·339	·343	·350	·390	·401	·412	·373	·398	·435	·358
		27	·245	·256	·259	·261	·262	·256	·256	·247	·220	·180	·184	·207	·235	·240
		28	·199	·193	·203	·263	·268	·286	·304	·303	·324	·295	·308	·313	·321	·284
		29	·195	·199	·177	·165	·167	·161	·173	·178	·182	·186	·183	·156	·166	·166
		30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means			·174	·180	·187	·195	·206	·211	·215	·217	·218	·225	·221	·219	·213	·202

* Good Friday.

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

10	11
4	5
53	64
—	—
56	65
80	82
80	87
67	68
70	68
43	47
—	—
44	38
62	58
60	55
82	82
—	—
83	85
—	—
59	58
86	96
80	81
76	65
57	66
84	68
—	—
66	67
73	79
77	81
40	42
44	46
67	54
—	—
66	67
In.	In.
·111	·116
—	—
·135	·173
·160	·162
·194	·207
·172	·172
·171	·162
·145	·145
—	—
·119	·110
·217	·216
·240	·222
·214	·220
—	—
·334	·311
—	—
·158	·130
·185	·194
·210	·207
·294	·269
·288	·298
·309	·276
—	—
·292	·281
·313	·282
·373	·398
·184	·207
·308	·313
·183	·156
—	—
·221	·219

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
65	66	65	63	60	69	—	—	—	—	—	—	72
—	—	—	—	—	—	90	84	87	80	81	79	
76	96	97	85	79	75	79	83	80	86	88	86	74
89	93	95	94	94	94	92	91	98	100	97	95	85
77	79	80	83	100	90	100	100	100	100	100	90	88
72	78	84	92	91	83	78	84	83	83	86	85	78
66	73	76	79	84	83	87	84	79	79	85	73	75
58	72	85	87	85	82	—	—	—	—	—	—	66
—	—	—	—	—	—	74	75	73	73	74	82	
59	47	56	56	58	59	63	65	72	73	64	71	59
54	55	58	55	59	60	57	79	78	87	80	85	65
56	53	59	60	62	68	66	66	70	58	60	67	63
88	85	86	87	90	91	—	—	—	—	—	—	80
—	—	—	—	—	—	96	97	98	98	97	90	
88	89	75	69	66	57	—	—	—	—	—	—	76
—	—	—	—	—	—	53	55	56	57	56	51	
64	65	65	61	58	52	40	40	40	39	42	47	51
95	94	91	92	91	91	93	93	94	95	94	95	91
82	83	83	83	83	87	92	93	89	84	86	88	86
65	66	87	94	95	98	98	97	97	96	96	98	85
71	72	76	83	87	80	83	78	75	74	76	84	77
82	82	86	87	95	96	—	—	—	—	—	—	79
—	—	—	—	—	—	94	92	96	95	97	87	
68	73	76	80	84	85	88	92	89	87	90	92	78
84	84	86	83	84	84	87	89	88	89	91	96	85
83	75	74	76	80	80	84	83	91	92	90	94	84
56	76	51	50	58	62	62	65	82	83	81	58	68
54	59	65	64	70	70	73	78	80	77	81	83	61
65	71	75	79	80	92	—	—	—	—	—	—	75
—	—	—	—	—	—	87	91	91	77	82	79	
71	74	76	77	79	79	80	81	83	82	82	81	75
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·103	·101	·098	·095	·089	·093	—	—	—	—	—	—	·103
—	—	—	—	—	—	·103	·089	·093	·084	·085	·076	
·160	·162	·147	·121	·113	·112	·110	·110	·115	·122	·133	·127	·124
·170	·174	·177	·176	·176	·179	·176	·166	·170	·167	·143	·144	·158
·166	·168	·168	·173	·190	·178	·182	·182	·180	·175	·164	·146	·178
·167	·162	·165	·167	·148	·143	·134	·141	·137	·136	·133	·125	·153
·151	·158	·160	·166	·167	·167	·174	·168	·162	·161	·185	·178	·161
·163	·179	·193	·191	·186	·181	—	—	—	—	—	—	·162
—	—	—	—	—	—	·143	·139	·132	·133	·134	·143	
·111	·112	·124	·122	·119	·122	·121	·120	·186	·123	·121	·126	·125
·189	·162	·148	·133	·136	·135	·131	·144	·132	·145	·126	·132	·158
·177	·144	·140	·136	·134	·139	·132	·132	·144	·124	·124	·123	·165
·219	·211	·207	·196	·193	·186	—	—	—	—	—	—	·208
—	—	—	—	—	—	·283	·273	·298	·257	·249	·223	
·316	·305	·263	·220	·198	·169	—	—	—	—	—	—	·241
—	—	—	—	—	—	·131	·131	·129	·131	·129	·119	
·167	·160	·165	·150	·146	·130	·107	·109	·106	·103	·114	·120	·138
·196	·194	·194	·197	·194	·194	·195	·194	·194	·196	·194	·198	·189
·202	·204	·204	·206	·207	·209	·209	·201	·206	·201	·206	·208	·207
·261	·193	·225	·220	·204	·204	·198	·187	·196	·196	·178	·171	·225
·274	·257	·244	·248	·250	·238	·254	·230	·225	·223	·223	·233	·259
·240	·232	·262	·261	·300	·299	—	—	—	—	—	—	·286
—	—	—	—	—	—	·358	·350	·372	·374	·372	·335	
·272	·273	·254	·261	·265	·252	·257	·263	·252	·251	·258	·259	·265
·256	·251	·259	·256	·251	·261	·262	·263	·255	·252	·265	·261	·272
·425	·358	·319	·304	·295	·285	·275	·272	·253	·234	·237	·247	·316
·235	·240	·166	·194	·198	·200	·202	·206	·213	·206	·201	·186	·221
·321	·284	·282	·263	·261	·245	·240	·234	·225	·209	·214	·201	·260
·166	·166	·168	·169	·164	·172	—	—	—	—	—	—	·179
—	—	—	—	—	—	·203	·213	·217	·184	·178	·167	
·213	·202	·198	·193	·191	·187	·191	·188	·191	·183	·182	·177	·199

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

Humidity of the Air.

MAY.

Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
1	80	80	88	66	63	67	60	47	58	57	61	60	62	66
2	81	74	67	75	71	69	65	59	58	56	52	52	58	64
3	87	47	69	63	58	63	68	66	60	44	37	57	62	69
4	81	84	84	73	73	71	70	70	64	61	58	62	60	48
5	78	66	57	60	60	64	60	54	54	53	53	55	57	55
6	66	62	70	76	85	78	73	71	69	70	66	70	70	56
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	73	66	64	64	61	57	58	53	53	53	63	66	66	69
9	91	82	78	81	78	78	74	70	68	66	67	65	63	71
10	72	72	69	69	69	70	70	66	66	61	58	62	63	76
11	80	76	72	66	66	64	65	65	62	59	56	46	48	57
12	68	61	54	66	68	65	61	55	52	50	47	49	64	59
13	90	88	88	84	80	77	72	69	66	80	63	63	64	78
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	93	89	87	79	76	72	76	66	62	58	44	37	38	49
16	67	56	55	49	44	38	38	38	35	32	31	31	36	44
17	72	67	63	55	52	63	44	58	55	52	54	47	39	39
18	78	69	66	62	61	56	59	57	52	45	42	36	40	47
19	67	57	48	42	43	38	38	40	42	40	41	42	38	43
20	75	67	69	60	55	58	53	45	43	42	39	40	45	57
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	85	86	86	77	76	77	86	85	87	84	90	91	91	92
23	96	89	90	89	86	78	90	90	76	56	55	59	59	61
24	66	65	64	64	61	57	67	43	39	37	31	39	39	45
25	83	74	67	64	66	66	63	61	64	61	62	62	67	74
26	85	85	92	87	88	83	79	79	87	94	94	95	97	96
27	75	79	75	72	67	66	65	66	66	66	66	66	67	68
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	66	63	64	64	66	67	66	67	71	64	51	47	57	60
30	74	68	71	72	71	68	72	79	87	90	91	90	88	89
31	80	74	70	64	65	62	58	56	59	57	52	53	53	58
Hourly Means	78	72	71	68	67	66	65	62	61	59	56	57	59	62

Tension of the Vapour.

MAY.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
1	·176	·186	·206	·167	·162	·162	·164	·138	·152	·154	·155	·151	·156	·157
2	·165	·163	·163	·194	·194	·201	·207	·205	·193	·190	·204	·224	·216	·191
3	·163	·114	·181	·198	·196	·229	·237	·260	·221	·195	·149	·206	·205	·193
4	·204	·211	·240	·211	·204	·199	·200	·202	·197	·186	·173	·165	·149	·117
5	·184	·162	·146	·155	·170	·156	·139	·125	·132	·138	·148	·142	·145	·140
6	·174	·174	·212	·230	·259	·275	·285	·292	·299	·297	·293	·307	·302	·240
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	·223	·217	·222	·224	·235	·227	·238	·231	·224	·224	·255	·262	·258	·245
9	·202	·223	·251	·265	·279	·289	·295	·282	·304	·323	·310	·299	·250	·265
10	·266	·273	·279	·279	·276	·281	·287	·284	·302	·278	·266	·269	·227	·256
11	·280	·289	·278	·277	·296	·302	·316	·334	·328	·315	·322	·288	·285	·274
12	·243	·265	·277	·296	·305	·320	·332	·341	·345	·353	·331	·308	·298	·261
13	·316	·294	·370	·392	·413	·440	·456	·462	·491	·479	·450	·464	·457	·448
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	·436	·464	·471	·478	·483	·491	·432	·506	·380	·422	·426	·353	·346	·334
16	·261	·235	·239	·230	·221	·209	·209	·222	·215	·206	·201	·200	·214	·198
17	·168	·173	·175	·173	·190	·216	·179	·260	·246	·224	·254	·251	·182	·146
18	·177	·190	·222	·203	·206	·204	·237	·237	·241	·228	·215	·225	·238	·193
19	·193	·184	·190	·186	·212	·164	·198	·210	·232	·204	·230	·215	·179	·161
20	·194	·224	·277	·249	·246	·259	·255	·248	·257	·265	·260	·267	·241	·250
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	·299	·339	·354	·324	·338	·363	·382	·389	·391	·377	·379	·386	·346	·332
23	·341	·359	·379	·374	·408	·404	·381	·377	·372	·300	·274	·246	·237	·247
24	·186	·206	·232	·255	·265	·267	·327	·251	·249	·257	·226	·271	·249	·227
25	·242	·217	·246	·253	·266	·281	·293	·285	·322	·329	·336	·318	·306	·303
26	·297	·306	·323	·332	·327	·344	·382	·391	·402	·400	·384	·386	·372	·379
27	·307	·313	·301	·312	·306	·295	·293	·296	·289	·287	·280	·282	·289	·286
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	·230	·238	·248	·270	·298	·315	·297	·327	·331	·344	·317	·311	·314	·290
30	·234	·241	·282	·287	·270	·269	·234	·256	·244	·240	·225	·232	·227	·230
31	·194	·184	·181	·168	·175	·165	·164	·158	·175	·171	·144	·150	·146	·155
Hourly Means	·235	·240	·257	·259	·267	·271	·275	·280	·279	·274	·270	·266	·253	·241

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
62	66	72	70	71	74	70	67	68	74	81	85	69
58	64	63	68	72	76	93	95	95	93	96	97	73
62	69	70	72	77	83	80	82	87	85	86	90	69
60	48	50	52	57	57	56	61	60	63	60	55	64
57	55	56	55	82	55	65	71	74	65	60	67	62
70	56	82	88	90	91	—	—	—	—	—	—	74
—	—	—	—	—	—	61	64	65	65	69	76	
66	69	78	80	86	80	82	79	85	80	92	95	71
63	71	80	78	69	70	74	78	70	71	72	72	74
63	76	85	90	94	93	94	95	90	92	84	84	77
48	57	74	75	77	83	87	84	89	83	76	76	70
64	59	62	74	73	69	73	76	76	81	81	85	65
64	78	84	81	89	87	—	—	—	—	—	—	80
—	—	—	—	—	—	82	84	87	90	90	94	
38	49	57	60	56	56	60	63	74	75	73	68	65
36	44	49	55	57	62	65	67	70	71	71	78	52
39	39	53	58	60	61	59	67	89	89	97	85	66
40	47	59	68	68	68	68	69	72	82	86	69	66
38	43	67	73	70	76	74	70	71	79	81	81	57
45	57	70	70	76	76	—	—	—	—	—	—	64
—	—	—	—	—	—	71	78	96	82	80	91	
91	92	92	94	94	92	95	97	96	97	96	96	89
59	61	70	82	81	75	76	76	66	64	63	63	75
39	45	45	59	60	63	67	75	75	76	82	87	59
67	74	80	75	75	77	77	78	82	76	81	85	72
97	96	97	97	97	98	97	96	97	94	94	87	91
67	68	62	68	74	84	—	—	—	—	—	—	67
—	—	—	—	—	—	58	57	62	62	62	65	
57	60	59	49	55	61	66	70	84	79	77	86	65
88	89	94	95	73	77	79	80	83	85	84	85	81
53	58	60	57	64	67	70	70	68	67	67	65	63
59	62	69	72	74	74	74	76	79	79	79	80	69

In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·156	·157	·163	·154	·151	·155	·150	·146	·152	·151	·155	·156	·159
·216	·191	·175	·179	·168	·165	·160	·165	·169	·158	·157	·164	·182
·205	·193	·188	·192	·199	·201	·194	·198	·208	·198	·201	·210	·197
·149	·117	·119	·122	·131	·130	·130	·136	·134	·136	·133	·126	·165
·145	·140	·145	·146	·191	·146	·163	·170	·173	·147	·148	·173	·153
·302	·240	·290	·236	·239	·233	—	—	—	—	—	—	·247
—	—	—	—	—	—	·216	·211	·210	·209	·212	·229	
·258	·245	·243	·228	·233	·200	·201	·191	·193	·178	·187	·179	·222
·250	·265	·269	·250	·236	·237	·236	·240	·249	·245	·258	·261	·263
·227	·256	·279	·290	·301	·301	·303	·302	·291	·289	·270	·273	·280
·285	·274	·278	·256	·249	·249	·253	·246	·250	·242	·231	·246	·279
·298	·261	·264	·296	·265	·260	·268	·273	·265	·272	·285	·292	·292
·457	·448	·409	·398	·384	·372	—	—	—	—	—	—	·411
—	—	—	—	—	—	·427	·445	·357	·356	·365	·415	
·346	·334	·323	·297	·274	·256	·266	·273	·266	·273	·265	·257	·366
·214	·198	·176	·172	·166	·168	·171	·169	·177	·165	·160	·163	·198
·182	·146	·161	·157	·154	·149	·147	·160	·186	·163	·169	·154	·185
·238	·193	·190	·185	·179	·185	·186	·190	·194	·208	·217	·187	·206
·179	·161	·203	·303	·179	·182	·175	·165	·164	·161	·164	·166	·193
·241	·250	·239	·217	·215	·195	—	—	—	—	—	—	·247
—	—	—	—	—	—	·234	·233	·326	·285	·242	·285	
·346	·332	·332	·338	·344	·336	·340	·332	·326	·326	·311	·316	·346
·237	·247	·241	·239	·226	·212	·207	·198	·177	·173	·168	·167	·279
·249	·227	·193	·216	·209	·212	·217	·234	·219	·220	·219	·223	·235
·306	·303	·305	·281	·269	·274	·289	·307	·360	·291	·291	·294	·289
·372	·379	·373	·388	·394	·409	·370	·349	·367	·375	·347	·375	·366
·289	·286	·253	·260	·257	·244	—	—	—	—	—	—	·267
—	—	—	—	—	—	·216	·206	·213	·209	·206	·217	
·314	·290	·233	·201	·209	·213	·218	·219	·236	·218	·211	·213	·263
·227	·230	·230	·224	·180	·184	·183	·179	·178	·182	·180	·180	·224
·146	·155	·145	·137	·140	·142	·146	·148	·149	·149	·151	·147	·158
·253	·241	·238	·230	·227	·223	·225	·225	226	·221	·219	·225	·247

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

Humidity of the Air. JUNE.

Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
1	71	61	64	49	50	50	48	45	45	43	62	65	75	76
2	100	90	86	83	82	78	70	70	72	62	64	71	82	85
3	95	95	88	84	76	75	74	75	75	77	75	74	75	80
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	96	96	96	95	92	96	93	89	91	93	93	62	90	90
6	89	78	77	77	68	75	75	69	70	81	89	88	86	86
7	88	83	73	81	76	66	65	64	61	63	64	71	74	75
8	67	66	70	71	84	88	86	89	86	87	89	88	90	97
9	100	100	97	94	90	92	89	86	86	92	87	80	89	88
10	77	80	85	84	85	84	82	85	85	88	69	78	92	92
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	92	87	87	83	81	78	79	76	68	64	61	71	76	79
13	92	87	86	84	84	82	78	77	76	72	79	88	63	69
14	86	81	77	73	64	62	55	46	42	39	38	38	37	40
15	80	77	68	80	86	78	74	73	70	70	67	70	75	73
16	85	81	80	78	78	79	81	78	75	75	75	73	76	80
17	83	81	76	67	63	77	72	75	73	75	62	62	58	57
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	83	79	77	77	78	75	70	67	69	63	65	60	64	71
20	93	87	83	71	79	77	77	75	69	70	67	63	66	72
21	90	89	85	81	81	78	77	77	72	73	72	67	61	62
22	96	85	85	84	79	77	77	71	70	62	58	64	59	62
23	88	87	88	87	87	87	83	85	84	75	75	64	63	66
24	95	96	98	96	98	95	94	82	80	82	46	48	45	52
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	91	90	91	95	87	87	84	83	78	76	70	65	55	66
27	95	89	89	87	85	84	82	75	72	65	61	60	67	76
28	93	95	93	94	91	89	89	81	79	78	74	74	81	86
29	98	97	94	91	90	87	86	85	86	76	65	79	75	77
30	67	93	90	87	84	81	75	74	70	68	71	71	75	86
Hourly Means	89	86	84	82	81	80	78	75	73	72	69	70	71	75

Tension of the Vapour. JUNE.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
1	·168	·153	·167	·130	·149	·147	·148	·146	·153	·152	·204	·200	·262	·231
2	·194	·223	·235	·242	·251	·257	·252	·233	·238	·204	·205	·211	·226	·227
3	·295	·333	·329	·324	·291	·299	·292	·281	·281	·288	·282	·283	·283	·292
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	·307	·309	·313	·316	·314	·336	·356	·330	·332	·338	·330	·324	·306	·297
6	·266	·257	·265	·293	·283	·321	·332	·263	·287	·299	·330	·338	·322	·296
7	·225	·254	·255	·319	·314	·291	·321	·320	·311	·316	·289	·319	·321	·311
8	·241	·258	·280	·283	·304	·305	·313	·339	·344	·355	·386	·412	·412	·412
9	·519	·530	·537	·617	·619	·651	·681	·726	·638	·646	·697	·627	·646	·599
10	·253	·270	·292	·286	·300	·308	·321	·318	·318	333	·277	·305	·347	·335
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	·316	·335	·335	·364	·395	·440	·479	·509	·498	·505	·492	·497	·408	·358
13	·331	·352	·369	·401	·409	·419	·422	·447	·456	·489	·459	·443	·451	·436
14	·355	·371	·376	·380	·355	·366	·336	·296	·273	·265	·262	·263	·266	·251
15	·242	·247	·246	·303	·315	·315	·313	·337	·368	·346	·336	·344	·328	·305
16	·308	·315	·329	·353	·392	·298	·409	·402	·413	·417	·457	·464	·449	·404
17	·315	·336	·352	·335	·343	·412	·413	·448	·428	·430	·418	·425	·404	·363
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	·301	·321	·338	·365	·411	·430	·436	·431	·477	·414	·396	·451	·431	·414
20	·390	·428	·438	·469	·503	·542	·589	·609	·426	·580	·567	·536	·495	·499
21	·495	·530	·515	·528	·596	·626	·653	·687	·705	·727	·686	·612	·587	·530
22	·479	·509	·554	·551	·597	·612	·612	·660	·665	·643	·603	·596	·561	·521
23	·511	·520	·556	·551	·577	·610	·660	·573	·598	·714	·696	·579	·572	·524
24	·522	·545	·578	·579	·558	·572	·596	·608	·627	·711	·459	·479	·470	·469
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	·373	·482	·497	·579	·572	·538	·627	·611	·670	·706	·703	·649	·574	.562
27	·548	·569	·589	·620	·669	·735	·753	·759	·688	·644	·638	·599	·554	·615
28	·562	·619	·642	·650	·705	·686	·661	·748	·723	·726	·687	·644	·552	·577
29	·567	·605	·641	·649	·689	·716	·734	·697	·693	·643	·643	·633	·646	·637
30	·511	·583	·585	·598	·625	·647	·648	·701	·691	·710	·673	·703	·747	·684
Hourly Means	·369	·395	·408	·426	·444	·461	·473	·480	·473	·485	·468	·459	·447	·429

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
4	5	6	7	8	9	10	11	12	13	14	15	16	17	
62	65	75	76	62	75	89	90	93	90	91	94	89	93	70
64	71	82	85	86	93	94	94	94	96	96	96	97	96	85
75	74	75	80	89	89	90	88	—	—	—	—	—	—	85
—	—	—	—	—	—	—	—	97	95	93	92	96	95	
03	62	90	90	88	94	93	90	86	89	89	90	91	89	92
89	88	86	86	86	91	94	94	91	90	96	97	96	92	85
64	71	74	75	69	76	81	71	73	66	70	71	79	83	73
89	88	90	97	97	97	97	96	98	97	98	97	97	100	89
87	80	89	88	88	85	84	77	78	78	84	81	78	84	87
69	78	92	92	95	96	95	95	—	—	—	—	—	—	87
—	—	—	—	—	—	—	—	80	91	91	90	91	95	
61	71	76	79	80	86	91	89	88	91	93	92	92	96	83
79	88	63	69	85	87	92	89	92	92	93	88	88	94	84
38	38	37	40	52	52	57	60	62	61	72	76	83	92	60
67	70	75	73	78	85	79	84	82	70	73	77	84	88	77
75	73	76	80	79	72	71	67	74	78	80	81	82	86	78
62	62	58	57	83	70	66	61	—	—	—	—	—	—	74
—	—	—	—	—	—	—	—	78	84	85	88	91	87	
65	60	64	71	79	87	88	86	90	93	94	92	95	95	79
67	63	66	72	73	75	80	88	94	94	93	92	95	97	80
72	67	61	62	71	75	80	88	70	91	92	94	94	96	80
58	64	59	62	65	68	77	83	88	90	92	95	93	95	78
75	64	63	66	74	82	85	88	92	93	90	90	88	93	83
46	48	45	52	71	81	84	88	—	—	—	—	—	—	83
—	—	—	—	—	—	—	—	91	93	92	97	96	94	
70	65	55	66	71	84	86	87	88	89	88	94	95	97	83
61	60	67	76	80	85	86	71	94	93	91	94	95	95	82
74	74	81	86	85	91	94	94	95	96	96	95	95	96	89
65	79	75	77	87	98	92	91	95	90	93	95	96	97	88
71	71	75	86	86	92	92	91	94	96	95	97	98	97	86
69	70	71	75	79	83	85	85	87	88	89	90	91	94	81

In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·204	·200	·362	·231	·180	·181	·172	·169	·159	·153	·148	·149	·143	·159	·168
·205	·211	·226	·227	·226	·238	·239	·241	·244	·248	·254	·260	·267	·271	·237
·282	·283	·283	·292	·307	·308	·308	·284	—	—	—	—	—	—	·304
—	—	—	—	—	—	—	—	·352	·335	·321	·311	·314	·307	
·330	·324	·306	·297	·285	·295	·280	·265	·253	·258	·252	·256	·259	·258	·299
·330	·338	·322	·296	·281	·283	·266	·263	·249	·243	·235	·217	·201	·212	·275
·289	·319	·321	·311	·263	·282	·290	·256	·254	·222	·222	·219	·230	·249	·277
·386	·412	·412	·412	·390	·379	·352	·355	·406	·459	·468	·442	·415	·492	·366
·697	·627	·646	·599	·519	·425	·409	·341	·339	·334	·302	·282	·254	·268	·509
·277	·305	·347	·335	·333	·329	·319	·309	—	—	—	—	—	—	·305
—	—	—	—	—	—	—	—	·307	·305	·298	·298	·283	·277	
·492	·497	·408	·358	·332	·339	·331	·317	·320	·334	·331	·324	·316	·320	·383
·459	·443	·451	·436	·434	·431	·418	·402	·386	·378	·364	·351	·341	·356	·406
·262	·263	·266	·251	·268	·255	·223	·211	·205	·199	·214	·225	·216	·226	·277
·336	·344	·328	·305	·298	·307	·286	·308	·306	·259	·271	·282	·302	·311	·303
·457	·464	·449	·404	·367	·320	·309	·266	·283	·290	·289	·287	·287	·303	·355
·418	·425	·404	·363	·371	·296	·264	·242	—	—	—	—	—	—	·341
—	—	—	—	—	—	—	—	·259	·275	·268	·266	·265	·256	
·396	·451	·431	·414	·407	·392	379	·354	·349	·339	·336	·321	·322	·331	·381
·567	·536	·495	·499	·465	·477	·496	·477	·479	·462	·462	·463	·466	·458	·491
·686	·612	·587	·530	·503	·520	·513	·521	·508	·477	·455	·451	·421	·426	·553
·603	·596	·561	·521	·502	·507	·481	·482	·480	·494	·484	·481	·478	·505	·544
·696	·579	·572	·524	·511	·489	·490	·485	·472	·465	·491	·487	·499	·502	·547
·459	·479	·470	·469	·457	·433	·420	·409	—	—	—	—	—	—	·489
—	—	—	—	—	—	—	—	·372	·373	·361	·362	·388	·396	
·703	·649	·574	·562	·515	·490	·509	·508	·502	·495	·502	·474	·472	·475	·545
·638	·599	·554	·615	·615	·596	·587	·484	·600	·598	·579	·576	·566	·548	·611
·687	·644	·552	·577	·547	·540	·545	·515	·539	·531	·518	·500	·506	·516	·603
·643	·633	·640	·637	·598	·607	·564	·514	·492	·437	·449	·424	·411	·427	·588
·673	·703	·747	·684	·658	·643	·597	·563	·569	·579	·560	·566	·565	·559	·623
·468	·459	·447	·429	·409	·398	·386	·365	·372	·367	·363	·357	·353	·362	·415

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

		0	1	2	3	4	5	6	7	8	9	10	11
Hours of Mean Gottingen Time.		18	19	20	21	22	23	0	1	2	3	4	5
Hygrometric State of the Air. JULY.	1	94	92	91	88	87	87	86	83	72	77	71	68
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	81	73	82	77	72	69	68	67	70	69	67	65
	4	87	86	79	76	77	66	69	63	67	63	75	63
	5	87	80	72	64	74	76	78	73	65	57	54	48
	6	68	65	53	59	72	68	56	52	48	49	49	47
	7	89	92	92	87	89	69	61	57	51	51	46	44
	8	75	72	64	56	50	44	41	37	31	32	34	41
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	92	86	80	77	79	79	75	68	43	56	56	54
	11	94	89	64	65	62	60	60	56	58	64	60	62
	12	93	83	80	75	67	60	55	53	49	49	47	44
	13	79	69	70	72	67	65	67	65	65	59	59	62
	14	93	86	79	76	73	73	65	60	61	60	70	74
	15	96	97	98	98	97	94	91	87	85	88	89	83
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	96	98	97	97	99	99	91	86	86	89	91	91
	18	100	94	94	91	91	86	81	76	57	50	50	46
	19	88	84	84	61	62	59	53	50	40	39	38	38
	20	84	73	63	55	52	58	66	70	65	59	55	58
	21	73	72	68	73	64	62	55	50	51	53	54	56
	22	83	71	73	71	67	68	64	60	57	54	59	60
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	98	98	94	89	80	76	73	68	66	61	60	58
	25	81	83	84	79	76	74	67	63	63	61	58	57
	26	91	90	84	85	87	77	75	80	69	74	75	83
	27	91	89	86	76	76	75	76	76	76	76	76	71
	28	95	97	88	87	86	85	79	65	67	66	77	89
	29	80	81	82	77	74	72	73	69	69	67	66	64
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	87	75	68	59	61	67	75	74	73	72	72	65
Hourly Means		88	84	80	76	75	72	69	66	62	61	62	61
Tension of the Vapour. JULY.	1	In. ·612	In. ·673	In. ·703	In. ·741	In. ·756	In. ·796	In. ·867	In. ·893	In. ·872	In. ·864	In. ·856	In. ·785
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	·294	·300	·362	·351	·334	·350	·372	·407	·385	·425	·450	·453
	4	·337	·382	·401	·457	·466	·414	·458	·425	·457	·441	·468	·455
	5	·407	·397	·375	·354	·407	·427	·476	·468	·412	·390	·405	·393
	6	·298	·328	·311	·388	·458	·437	·376	·374	·395	·436	·444	·460
	7	·396	·421	·448	·450	·578	·490	·422	·421	·399	·426	·402	·413
	8	·386	·435	·455	·440	·438	·409	·383	·358	·327	·336	·357	·412
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	·476	·503	·498	·505	·558	·566	·548	·575	·371	·440	·440	·362
	11	·460	·482	·287	·311	·331	·331	·346	·337	·374	·407	·412	·402
	12	·408	·350	·369	·383	·399	·389	·388	·407	·400	·387	·389	·397
	13	·290	·331	·360	·411	·428	·441	·477	·488	·508	·504	·481	·502
	14	·424	·459	·469	·509	·564	·605	·612	·621	·667	·602	·606	·615
	15	·535	·547	·568	·587	·602	·616	671	·715	·655	·643	·636	·657
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	·542	·556	·574	·551	·591	·690	·727	·731	·807	·799	·682	·675
	18	·629	·665	·707	·676	·694	·708	·732	·773	·636	·552	·558	·509
	19	·477	·461	·443	·323	·350	·352	·321	·324	·270	·264	·273	·269
	20	·289	·294	·295	·276	·277	·325	·376	·402	·398	·391	·402	·479
	21	·242	·315	·345	·377	·373	·397	·402	·378	·412	·439	·468	·467
	22	·384	·391	·427	·443	·454	·502	·536	·566	·570	·532	·586	·553
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	·578	·602	·648	·625	·580	·593	·578	·578	·582	·544	·546	·526
	25	·400	·448	·473	·486	·493	·517	·496	·494	·525	·533	·529	·482
	26	·436	·516	·473	·611	·667	·680	·706	·708	·770	·718	·692	·654
	27	·519	·538	·548	·524	·540	·550	·545	·583	·573	·573	·575	·591
	28	·490	·528	·536	·570	·621	·685	·734	·648	·672	·565	·640	·718
	29	·461	·451	·454	·442	·439	·420	·433	·406	·402	·406	·407	·416
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	·280	·349	·367	·346	·393	·429	·480	·472	·486	·503	·522	·500
Hourly Means		·425	·451	·458	·467	·492	·505	·518	·522	·513	·505	·509	·506

12	13
6	7
67	72
—	—
36	29
77	71
59	68
56	66
43	47
40	48
—	—
57	61
62	76
48	56
66	71
73	73
81	89
—	—
96	94
49	59
44	50
55	58
60	58
57	59
—	—
60	65
60	62
87	95
72	76
79	88
58	67
—	—
72	74
62	67
In. ·721	In. ·702
—	—
·306	·217
·453	·448
·424	·440
·419	·443
·303	·381
·428	·400
—	—
·353	·347
·357	·398
·418	·362
·514	·451
·586	·536
·645	·631
—	—
·622	·650
·518	·545
·318	·302
·440	·404
·466	·433
·495	·481
—	—
·535	·488
·473	·421
·622	·614
·540	·503
·758	·727
·424	·395
—	—
·534	·547
·492	·470

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
67	72	76	82	87	87	—	—	—	—	—	—	
—	—	—	—	—	—	80	81	88	90	89	88	83
36	29	59	67	78	83	74	84	90	91	90	85	72
77	71	79	77	81	85	87	86	90	90	90	90	78
59	68	77	76	69	62	59	62	65	64	71	70	68
56	66	73	79	84	84	82	76	83	79	78	96	68
43	47	55	59	63	69	77	82	82	88	92	79	69
40	48	53	63	70	79	—	—	—	—	—	—	
—	—	—	—	—	—	92	92	92	88	94	93	62
57	61	59	67	66	70	78	81	82	85	86	86	72
62	76	84	86	78	85	89	89	88	94	94	94	76
48	58	77	78	81	83	77	77	78	79	78	81	69
66	71	78	83	82	86	92	92	93	94	94	92	76
73	73	76	80	87	88	86	91	91	91	89	90	79
81	89	91	92	93	96	—	—	—	—	—	—	
—	—	—	—	—	—	89	92	91	91	94	94	92
96	94	94	93	97	98	97	98	97	98	99	98	95
49	59	72	64	65	75	75	79	82	84	89	90	75
44	50	55	58	60	64	69	74	77	78	78	88	62
55	58	73	77	80	88	90	89	88	90	86	92	72
60	58	68	81	88	85	86	71	73	79	87	88	69
57	59	71	83	84	92	—	—	—	—	—	—	
—	—	—	—	—	—	80	85	81	96	96	97	74
60	65	64	68	69	73	75	75	76	76	79	78	74
60	62	62	74	82	86	82	88	90	88	86	91	75
87	95	93	97	97	97	98	98	96	95	94	96	88
72	76	89	87	87	88	91	92	92	91	93	96	83
79	88	93	91	96	98	96	93	80	78	83	82	85
58	67	73	80	72	73	—	—	—	—	—	—	
—	—	—	—	—	—	91	89	91	93	94	93	77
72	74	62	61	62	63	71	69	72	74	72	93	71
62	67	73	77	79	82	83	84	85	86	88	89	75

In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·721	·702	·659	·648	·700	·692	—	—	—	—	—	—	
—	—	—	—	—	—	·306	·304	·294	·277	·284	·284	·636
·306	·217	·315	·302	·297	·297	·280	·289	·310	·311	·307	·297	·334
·453	·448	·447	·430	·439	·449	·448	·439	·439	·427	·416	·414	·434
·424	·440	·369	·325	·280	·269	·240	·237	·251	·249	·256	·261	·355
·419	·443	·398	·397	·409	·401	·399	·384	·404	·394	·358	·409	·381
·393	·381	·374	·370	·364	·365	·363	·346	·349	·350	·334	·348	·400
·428	·400	·392	·401	·392	·381	—	—	—	—	—	—	
—	—	—	—	—	—	·444	·442	·438	·415	·422	·434	·405
·353	·347	·298	·309	·287	·291	·309	·314	·314	·311	·309	·303	·399
·357	·398	·357	·322	·263	·261	·252	·251	·246	·239	·234	·235	·329
·418	·362	·360	·306	·296	·287	·276	·276	·276	·276	·278	·279	·348
·514	·451	·434	·430	·429	·425	·431	·414	·408	·397	·385	·378	·430
·586	·536	·530	·522	·532	·527	·516	·507	·507	·521	·513	·521	·545
·645	·631	·600	·580	·590	·585	—	—	—	—	—	—	
—	—	—	—	—	—	·529	·541	·531	·525	·527	·530	·594
·622	·650	·644	·632	·625	·605	·608	·607	·617	·599	·564	·552	·635
·518	·545	·508	·468	·469	·468	·480	·461	·460	·462	·466	·472	·567
·318	·302	·272	·255	·254	·258	·269	·282	·287	·279	·264	·266	·310
·440	·404	·375	·331	·315	·303	·291	·282	·271	·268	·258	·246	·333
·466	·433	·409	·397	·386	·362	·347	·323	·328	·350	·348	·342	·379
·495	·481	·471	·479	·472	·469	—	—	—	—	—	—	
—	—	—	—	—	—	·544	·542	·536	·573	·563	·570	·506
·535	·488	·406	·393	·375	·374	·364	·360	·359	·352	·356	·357	·487
·473	·421	·394	·420	·411	·388	·375	·359	·364	·402	·403	·393	·445
·622	·614	·553	·590	·565	·571	·552	·510	·490	·480	·471	·447	·587
·540	·503	·497	·456	·445	·522	·435	·450	·460	·471	·460	·455	·511
·758	·727	·725	·707	·666	·654	·676	·675	·570	·556	·523	500	·631
·424	·395	·370	·361	·296	·293	—	—	—	—	—	—	
—	—	—	—	—	—	·321	·306	·302	·297	·285	·277	·378
·534	·547	·336	·309	·295	·292	·307	·294	·296	·298	·279	·277	·383
·492	·470	·442	·428	·417	·411	·398	·392	·389	·388	·379	·379	·452

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

		Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
		Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
Humidity of the Air.	AUGUST.	1	93	72	65	62	58	61	66	65	67	66	61	64	59	72
		2	93	74	73	72	70	66	67	64	65	59	53	51	68	59
		3	95	88	83	79	77	69	73	67	62	59	59	57	65	83
		4	87	81	77	67	65	63	60	56	53	53	54	55	52	58
		5	85	84	83	78	75	68	63	68	70	69	63	64	68	80
		6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		7	95	95	88	87	87	78	81	84	77	89	93	89	91	89
		8	95	97	95	90	81	78	83	81	80	74	78	68	77	86
		9	96	96	93	86	88	83	81	76	73	75	80	80	73	86
		10	95	85	81	79	80	78	74	70	69	68	75	51	75	79
		11	89	86	85	80	75	77	77	78	74	71	71	72	62	81
		12	81	79	66	60	53	56	62	58	58	57	54	49	56	69
		13	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		14	91	92	96	98	98	98	91	88	75	74	57	58	62	67
		15	93	88	82	77	75	71	71	73	74	71	73	71	74	82
		16	98	96	90	89	87	83	78	75	69	70	68	67	66	67
		17	94	92	92	88	85	85	84	89	74	72	72	68	79	84
		18	76	75	71	70	65	67	71	72	70	65	49	56	62	62
		19	85	85	78	76	61	65	66	66	62	63	66	63	73	68
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		21	88	83	76	73	66	62	62	60	63	60	61	69	66	82
		22	93	92	84	73	65	70	70	73	66	68	70	66	74	83
		23	90	85	81	72	75	75	69	66	60	55	56	61	68	77
		24	89	87	70	72	67	60	59	59	52	60	58	58	69	77
		25	90	89	88	85	78	65	60	67	62	69	70	74	82	90
		26	97	96	87	81	81	80	75	65	65	68	68	63	79	82
		27	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		28	99	95	94	92	89	88	85	84	82	79	78	76	81	90
		29	96	97	91	84	80	78	76	77	73	70	68	64	68	83
		30	88	91	91	89	82	82	80	77	75	68	64	68	73	80
		31	95	89	84	76	67	78	76	73	68	64	64	61	63	80
Hourly Means			91	88	83	79	75	73	73	72	68	67	66	65	70	78
Tension of the Vapour.	AUGUST.	1	In. ·356	In. ·325	In. ·324	In. ·338	In. ·353	In. ·361	In. ·404	In. ·404	In. ·444	In. ·472	In. ·440	In. ·468	In. ·438	In. ·437
		2	·306	·293	·363	·391	·406	·398	·439	·453	·487	·472	·465	·437	·461	·388
		3	·369	·421	·458	·476	·505	·511	·578	·561	·570	·552	·575	·550	·570	·567
		4	·404	·451	·489	·474	·488	·508	·498	·489	·475	·482	·485	·504	·453	·411
		5	·505	·519	·547	·580	·631	·608	·566	·628	·598	·610	·561	·575	·559	·556
		6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		7	·573	·644	·672	·698	·717	·714	·670	·727	·718	·662	·701	·676	·677	·649
		8	·540	·601	·622	·642	·608	·618	·650	·654	·655	·625	·672	·585	·636	·629
		9	·393	·441	·487	·515	·569	·580	·603	·595	·575	·594	·586	·585	·575	·557
		10	·479	·494	·527	·555	·600	·624	·631	·635	·581	·591	·674	·510	·579	·548
		11	·465	·468	·498	·529	·534	·597	·618	·618	·642	·627	·656	·662	·598	·557
		12	·428	·442	·463	·474	·465	·534	·576	·555	·569	·564	·574	·520	·560	·551
		13	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		14	·613	·627	·656	·649	·670	·670	·712	·750	·722	·660	·572	·580	·613	·540
		15	·457	·486	·503	·524	·517	·506	·510	·565	·538	·637	·567	·546	·594	·543
		16	·443	·506	·553	·594	·623	·654	·677	·706	·682	·710	·707	·695	·625	·548
		17	·569	·580	·595	·635	·644	·691	·653	·715	·637	·632	·657	·616	·606	·588
		18	·404	·412	·407	·414	·419	·453	·517	·548	·543	·501	·376	·439	·488	·383
		19	·335	·377	·385	·422	·376	·433	·465	·453	·450	·437	·447	·422	·461	·391
		20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		21	·397	·403	·413	·425	·407	·396	·432	·443	·468	·459	·474	·444	·481	·434
		22	·398	·423	·433	·435	·423	·489	·489	·530	·512	·517	·542	·505	·522	·486
		23	·378	·388	426	·454	·533	·536	·522	·504	·500	·466	·479	·523	·565	·477
		24	·306	·364	·376	·433	·448	·427	·447	·461	·436	·507	·510	·510	·472	·460
		25	·351	·397	·582	·548	·556	·490	·466	·555	·568	·577	·580	·607	·608	·593
		26	·421	·501	·541	·571	·622	·647	·673	·667	·669	·704	·704	·656	·643	·607
		27	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		28	·610	·602	·616	·650	·640	·685	·680	·702	·721	·727	·707	·688	·646	·613
		29	·527	·569	·609	·621	·625	·644	·655	·686	·679	·636	·588	·581	·578	·554
		30	.430	·500	·562	·629	·676	·670	·716	·751	·747	·728	·702	·711	·678	·617
		31	.587	·651	·677	·682	·661	·737	·741	·740	·730	·703	·720	·730	·700	·660
Hourly Means			·446	·477	·507	·532	·545	·555	·577	·596	·589	·589	·586	·571	·571	·531

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

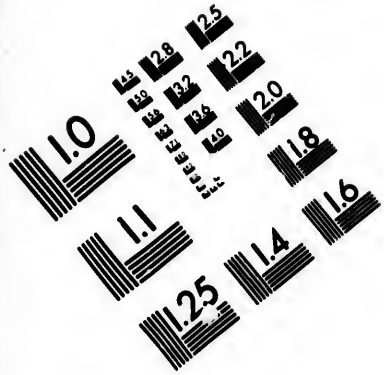
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
59	72	79	80	88	87	88	89	66	91	92	93	75
68	59	84	88	92	85	90	90	93	94	94	96	77
65	83	88	86	85	85	88	88	91	91	91	92	79
52	58	66	69	67	65	61	61	76	78	81	81	66
68	80	81	80	84	83	—	—	—	—	—	—	
—	—	—	—	—	—	92	94	95	95	95	95	80
91	89	92	92	94	96	97	97	95	95	95	96	91
77	86	92	88	87	91	92	93	91	96	96	96	87
73	86	92	93	94	97	88	91	89	93	95	96	87
75	79	90	91	85	78	82	83	89	87	86	82	80
62	81	85	73	78	78	74	83	84	82	88	91	79
56	69	78	86	84	91	—	—	—	—	—	—	
—	—	—	—	—	—	87	87	88	93	94	92	72
62	67	84	88	86	85	89	90	89	90	88	93	84
74	82	93	94	94	95	95	94	96	96	96	94	84
66	67	78	88	88	83	90	92	92	90	95	88	83
79	84	87	91	90	92	94	95	92	88	93	87	86
62	62	67	60	54	68	73	73	79	82	90	89	69
73	68	60	63	63	63	—	—	—	—	—	—	
—	—	—	—	—	—	94	93	94	90	90	89	74
66	82	89	88	92	93	91	91	93	92	95	95	79
74	83	89	87	89	90	91	92	92	92	80	90	81
68	77	70	78	69	71	66	69	73	84	89	89	73
69	77	83	80	80	88	93	90	92	96	96	94	76
82	90	93	93	93	94	96	96	97	96	91	96	84
79	82	87	89	91	87	—	—	—	—	—	—	
—	—	—	—	—	—	98	98	98	98	98	98	85
81	90	95	95	95	97	97	97	96	96	96	97	91
68	83	88	94	94	96	96	95	93	91	92	95	85
73	80	87	89	96	97	93	88	89	91	92	94	84
63	80	73	73	73	90	85	91	92	93	94	94	79
70	78	83	84	85	86	88	89	90	91	92	92	80
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·458	·437	·396	·357	·343	·338	·320	·309	·294	·303	·288	·274	·367
·461	·388	·451	·417	·419	·363	·360	·349	·362	·337	·331	·335	·395
·570	·567	·499	·441	·415	·403	·408	·403	·399	·395	·389	·380	·475
·453	·411	·402	·396	·386	·381	·377	·396	·424	·408	·426	·464	·445
·559	·556	·538	·516	·526	·508	—	—	—	—	—	—	
—	—	—	—	—	—	·546	·551	·558	·552	·563	·554	·561
·677	·649	·641	·624	·615	·609	·588	·574	·552	·551	·541	·535	·639
·636	·629	·580	·537	·508	·464	·450	·437	·405	·395	·412	·382	·554
·575	·557	·514	·492	·483	·483	·452	·487	·492	·496	·476	·431	·519
·579	·548	·524	·509	·492	·470	·468	·465	·465	·460	·458	·443	·533
·598	·557	·528	·464	·477	·470	·427	·476	·477	·450	·417	·416	·528
·560	·551	·581	·541	·519	·471	—	—	—	—	—	—	
—	—	—	—	—	—	·481	·464	·460	·546	·569	·585	·520
·613	·540	·559	·540	·507	·491	·501	·471	·462	·461	·456	·442	·580
·594	·543	·513	·494	·471	·445	·435	·413	·408	·405	·416	·401	·496
·625	·548	·577	·556	·553	·533	·511	·523	·531	·569	·587	·536	·599
·606	·588	·584	·501	·576	·559	·576	·571	·495	·446	·433	·436	·587
·488	·383	·369	·306	·271	·317	·321	·322	·326	·321	·312	·320	·395
·461	·391	·310	·323	·316	·319	—	—	—	—	—	—	
—	—	—	—	—	—	·413	·417	·414	·382	·403	·386	·397
·481	·434	·409	·382	·390	·383	·372	·378	·377	·367	·366	·361	·415
·522	·486	·469	·449	·441	·436	·418	·410	·401	·400	·357	·349	·451
·565	·477	·381	·383	·351	·336	·325	·323	·327	·303	·296	·291	·419
·472	·460	·434	·414	·401	·387	·392	·370	·359	·354	·338	·326	·414
·608	·593	·540	·509	·484	·473	·461	·436	·436	·423	·403	·408	·498
·643	·607	·584	·581	·562	·573	—	—	—	—	—	—	
—	—	—	—	—	—	·631	·631	·628	·619	·603	·597	·610
·646	·613	·592	·554	·538	·541	·542	·548	·539	·522	·520	·501	·612
·578	·554	·521	·511	·503	·504	·504	·486	·460	·447	·434	·417	·556
·678	·617	·607	·586	·594	·590	·579	·575	·558	·575	·579	·571	·622
·700	·660	·574	·590	·563	·598	·574	·571	·546	·535	·532	·541	·639
·571	·531	·507	·484	·471	·461	·460	·458	.450	·445	·441	·433	·512

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

	SEPTEMBER.	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
		Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
Humidity of the Air.		1	93	91	92	86	83	81	81	79	77	80	75	77	77	80
		2	96	94	91	95	93	86	84	81	78	81	79	78	92	93
		3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		4	90	89	75	72	66	63	60	67	68	55	52	55	61	68
		5	65	71	69	71	71	71	70	70	68	68	71	74	78	87
		6	83	81	80	71	71	72	75	81	72	74	78	80	84	86
		7	94	95	99	87	85	84	78	78	76	76	77	74	78	84
		8	94	92	89	85	85	86	78	86	86	73	73	61	61	65
		9	72	69	58	54	46	49	49	46	45	42	40	38	53	57
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		11	81	75	61	54	50	49	52	52	51	53	55	53	65	80
		12	80	73	67	68	70	69	68	64	64	65	59	55	62	72
		13	76	80	67	65	66	67	72	71	74	72	76	77	77	81
		14	95	95	92	93	95	97	97	96	96	96	96	96	96	97
		15	97	97	97	98	97	97	97	97	94	92	74	74	82	86
		16	89	87	81	78	71	67	71	75	79	78	79	71	79	82
		17	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		18	94	94	75	69	65	68	68	59	58	62	63	68	67	66
		19	93	87	85	79	77	78	76	74	77	79	77	77	80	83
		20	97	86	85	87	91	94	94	92	87	84	85	89	94	96
		21	100	99	99	82	71	68	60	57	55	57	76	84	81	74
		22	83	76	74	71	71	70	71	69	66	72	70	76	64	69
		23	95	96	94	90	85	87	86	84	81	81	79	79	84	89
		24	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		25	97	97	96	96	96	92	92	95	95	95	88	89	85	87
		26	84	83	80	77	73	75	69	69	67	64	62	64	65	73
		27	82	78	72	70	69	64	60	57	56	56	51	52	71	83
		28	95	91	87	87	74	72	71	69	60	71	74	79	89	92
		29	93	93	89	88	86	86	82	84	80	78	78	81	86	86
		30	97	95	97	89	89	89	85	82	76	73	73	83	78	80
		31	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means			89	87	83	79	77	76	75	74	72	72	72	72	77	81
			In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Tension of the Vapour.		1	·566	·615	·660	·624	·656	·719	·739	·742	·718	·720	·742	·730	·670	·635
		2	·590	·627	·656	·666	·713	·761	·793	·855	·815	·839	·777	·783	·790	·773
		3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		4	·576	.590	·526	·552	·534	·552	·560	·662	·692	·544	·501	·512	·510	·483
		5	·352	.424	·369	·407	·424	·465	·489	·504	·497	·513	·541	·501	·507	·486
		6	·427	.427	·444	·431	·445	·513	·518	·564	·531	·517	·543	·544	·549	·556
		7	·569	.530	·594	·590	·583	·595	·581	·606	·596	·578	·596	·538	·541	·534
		8	·511	.512	·506	·540	·569	·614	·604	·621	·622	·609	·607	·460	·403	·387
		9	·236	.240	·220	·229	·211	·233	·243	·245	·252	·244	·225	·211	·228	·222
		10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		11	·212	·243	·236	·226	·224	·237	·269	.282	·282	·305	·320	·319	·299	·278
		12	·221	·225	·235	·271	·301	·318	·343	·324	·339	·358	·327	·301	·283	·247
		13	·236	·295	·285	·300	·313	·324	·348	·352	·356	·356	·362	·366	·376	·401
		14	·409	·401	·393	·395	·401	·420	·425	·426	·428	·428	·413	·405	·402	·409
		15	·470	·466	·466	·479	·500	·492	·507	·556	·593	·621	·544	·527	·497	·483
		16	·409	·417	·430	·435	·428	·437	·474	·516	·540	·524	·539	·449	·454	·447
		17	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		18	·530	·655	·535	·491	·485	·526	·554	·504	·489	·486	·484	·482	·445	·396
		19	·330	·358	·394	·406	·424	·444	·457	·460	·452	·460	·450	·433	·418	·405
		20	·432	·422	·440	·471	·485	·500	·498	·562	·586	·557	·568	·536	·514	·503
		21	·530	·594	·656	·734	·724	·731	·676	·672	·673	·660	·700	·695	·604	·483
		22	·263	·267	·297	·300	·309	·315	·330	·338	·305	·325	·315	·339	·271	·286
		23	·428	·441	·480	·495	·505	·518	·571	·647	·641	·649	·681	·675	·601	·590
		24	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		25	·412	·409	·408	·408	·405	.407	·412	·441	·449	·435	·408	·399	·360	·353
		26	·269	·264	·247	·254	·229	·237	·226	·233	·223	·223	·209	·206	·203	·210
		27	·181	·176	·161	·161	·182	·177	·186	·186	·194	·210	·195	·200	·212	·206
		28	·185	·194	·216	·237	·244	·263	·289	·297	·296	·318	·304	·345	·294	·266
		29	·259	·275	·299	·325	·362	·399	·410	·421	·440	·439	·418	·428	·403	·356
		30	·264	·280	·356	·361	·394	·430	·428	·430	·414	·385	·377	·379	·349	·360
		31	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means			·380	·399	·404	·415	·425	·447	·459	·479	·475	·473	·467	·452	·430	·410

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
4	5	6	7	8	9	10	11	12	13	14	15	16	17	
75	77	77	80	88	89	93	92	93	93	93	93	89	92	86
79	78	92	93	96	96	99	98	—	—	—	—	—	—	89
—	—	—	—	—	—	—	—	87	87	84	87	79	90	
52	55	61	68	69	78	80	87	83	83	83	76	70	67	72
71	74	78	87	91	92	94	92	92	88	88	80	85	83	79
78	80	84	86	87	87	88	92	75	80	82	87	96	94	82
77	74	78	84	85	85	85	85	85	88	93	95	95	95	86
73	61	61	65	65	63	62	60	60	65	67	67	68	69	73
40	38	53	57	61	64	72	76	—	—	—	—	—	—	60
—	—	—	—	—	—	—	—	69		72	75	78	85	
55	53	65	80	76	79	87	85	85		82	82	75	79	68
59	55	62	72	82	88	84	84	84	80	71	66	66	68	71
76	77	77	81	74	72	71	73	75	80	82	88	96	94	76
96	96	96	97	96	96	96	97	97	97	97	97	97	97	96
74	74	82	86	89	89	91	89	91	92	90	90	84	88	91
79	71	79	82	88	89	91	93	—	—	—	—	—	—	83
—	—	—	—	—	—	—	—	87	90	90	91	97	95	
63	68	67	66	72	70	79	90	94	94	89	94	95	90	77
77	77	80	83	87	90	89	95	84	84	82	81	81	94	83
85	89	94	96	97	96	91	97	97	97	97	97	97	97	93
76	84	81	74	76	73	86	82	69	69	81	82	74	81	77
70	76	64	69	65	67	68	74	80	86	87	33	85	92	75
79	79	84	89	89	89	88	87	86	—	—	—	—	—	89
—	—	—	—	—	—	—	—	96	95	95	93	98	97	
88	89	85	87	87	87	87	88	91	83	85	83	85	85	90
62	64	65	73	78	76	68	71	74	72	78	72	74	82	73
51	52	71	83	90	81	82	85	87	90	94	94	95	93	76
74	79	89	92	94	95	95	95	95	97	94	95	97	92	86
78	81	86	86	81	85	93	93	94	94	96	95	95	95	88
73	83	78	60	80	92	95	97	—	—	—	—	—	—	85
—	—	—	—	—	—	—	—	74	81	78	88	89	88	
72	72	77	81	82	83	85	87	85	85	86	86	86	88	81
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·742	·730	·670	·635	·678	·660	·622	·569	·665	·648	·640	·619	·584	·580	·659
·777	·783	·790	·773	·780	·762	·765	·724	—	—	—	—	—	—	·723
—	—	—	—	—	—	—	—	·704	·692	·674	·689	·560	·564	
·501	·512	·510	·483	·466	·490	·483	·486	·480	·470	·453	·418	·378	·356	·511
·541	·501	·507	·486	·462	·443	·434	·432	·437	·430	·423	·403	·431	·427	·452
·543	·544	·549	·556	·561	·562	·570	·564	·371	·384	·387	·400	·423	·418	·485
·596	·538	·541	·534	·516	·495	·494	·495	·495	·512	·474	·466	·502	·504	·543
·607	·460	·403	·387	·351	·300	·284	·260	·246	·252	·247	·237	·235	·232	·425
·225	·211	·228	·222	·214	·216	·230	·230	—	—	—	—	—	—	·227
—	—	—	—	—	—	—	—	·226	·226	·217	·216	·216	·212	
·320	·319	·299	·278	·249	·242	·242	·226	·224	·230	·230	·229	·219	·223	·252
·327	·301	·283	·247	·247	·259	·235	·231	·230	·229	·240	·233	·244	·245	·270
·362	·366	·376	·401	·374	·378	·375	·364	·371	·384	·387	·401	·423	·418	·389
·413	·405	·402	·409	·415	·419	·431	·445	·454	·459	·460	·472	·470	·470	·427
·544	·527	·497	·493	·486	·449	·450	·461	·458	·451	·425	·423	·399	·403	·484
·539	·449	·454	·447	·447	·409	·436	·442	—	—	—	—	—	—	·489
—	—	—	—	—	—	—	—	·572	·566	·584	·587	·629	·576	
·484	·482	·445	·396	·381	·347	·345	·344	·335	·323	·308	·308	·334	·303	·433
·450	·433	·418	·405	·398	·400	·390	·421	·405	·406	·403	·395	·387	·426	·413
·568	·536	·514	·503	·501	·478	·437	·453	·444	·449	·470	·470	·480	·465	·488
·700	·695	·604	·483	·463	·412	·437	·406	·328	·316	·314	·299	·267	·271	·527
·315	·339	·271	·286	·280	·284	·271	·282	·348	·349	·358	·362	·388	·412	·316
·681	·675	·601	·590	·609	·637	·621	·606	—	—	—	—	—	—	·536
—	—	—	—	—	—	—	—	·420	·415	·412	·398	·412	·413	
·408	·399	·360	·353	·349	·344	·336	·334	·333	·292	·290	·278	·280	·280	·368
·209	·206	·203	·210	·219	·210	·181	·178	·179	·171	·182	·168	·167	·182	·211
·195	·200	·212	·206	·201	·189	·191	·192	·189	·192	·183	·177	·178	·183	·188
·304	·345	·294	·266	·250	·244	·245	·238	·228	·228	·227	·240	·247	·244	·256
·418	·428	·403	·356	·333	·334	·317	·286	·276	·292	·276	·273	·261	·257	·339
·377	·379	·349	·360	·364	·416	·435	·440	—	—	—	—	—	—	·369
—	—	—	—	—	—	—	—	·328	·346	·327	·340	·334	·323	
·467	·452	·430	·410	·407	·399	·394	·389	·375	·374	·369	·365	·360	·361	·413



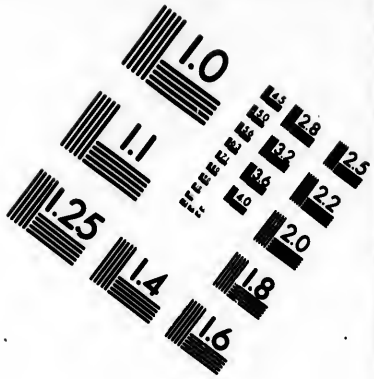
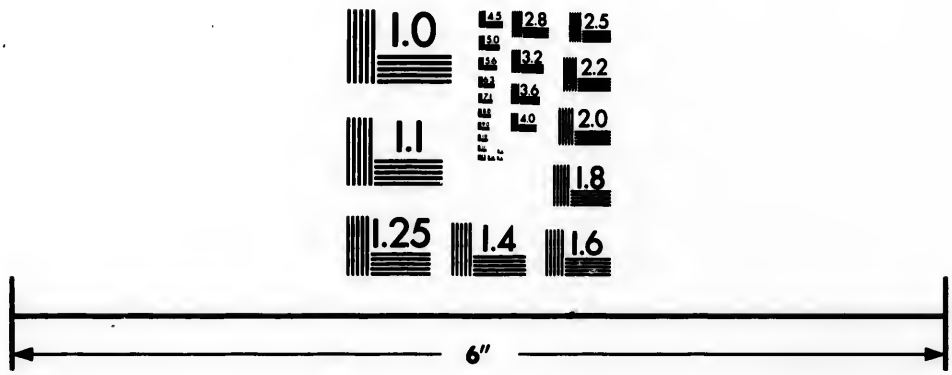
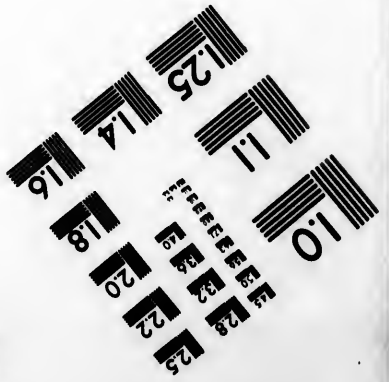


IMAGE EVALUATION
TEST TARGET (MT-3)





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HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

		Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
		Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
Humility of the Air.	OCTOBER.	2	86	81	76	71	70	65	58	54	50	58	56	58	72	77
		3	92	83	78	72	68	64	60	67	69	63	64	76	78	78
		4	80	76	71	62	62	59	77	77	73	76	56	53	62	75
		5	93	93	85	83	81	84	80	78	73	71	71	76	89	81
		6	93	96	97	92	83	86	84	82	79	84	86	87	91	91
		7	99	92	96	97	97	99	97	98	96	97	99	97	97	97
		8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		9	96	96	97	87	85	84	81	79	83	84	84	84	87	88
		10	98	90	84	78	87	86	88	85	82	81	81	83	86	91
		11	93	94	92	91	91	95	96	96	97	96	96	97	96	96
		12	95	90	87	81	73	68	65	77	66	70	72	71	74	81
		13	91	87	82	80	74	71	67	59	58	55	59	70	79	80
		14	93	91	87	87	80	68	73	79	80	84	74	73	74	86
		15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		16	93	95	92	88	84	79	84	74	72	74	78	90	95	95
		17	84	91	92	82	72	61	60	59	59	59	71	69	72	72
		18	82	82	82	77	73	61	52	56	66	63	70	68	74	80
		19	92	91	93	73	69	71	61	58	59	69	70	70	84	85
		20	93	93	89	88	82	79	78	76	79	73	73	77	78	81
		21	93	93	89	86	84	81	76	73	69	68	64	68	71	79
		22	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		23	93	94	83	74	70	63	79	73	75	71	72	78	90	—
		24	92	96	95	69	50	82	82	78	70	69	73	83	89	91
		25	98	96	97	94	93	73	64	63	55	56	70	69	73	73
		26	96	96	95	87	73	62	48	68	60	70	73	78	75	78
		27	95	92	95	95	93	98	87	87	87	87	87	89	93	93
		28	88	92	89	87	68	56	65	70	73	72	71	79	88	90
		29	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		30	80	80	89	79	70	62	56	78	73	78	75	70	77	82
		31	87	91	88	80	69	65	61	56	89	67	71	91	99	96
Hourly Means			91	90	87	82	77	74	72	73	73	73	74	77	82	85
Tension of the Vapour.	OCTOBER.	2	In. ·323	In. ·317	In. ·311	In. ·312	In. ·314	In. ·303	In. ·294	In. ·281	In. ·258	In. ·288	In. ·283	In. ·276	In. ·288	In. ·276
		3	·262	·260	·253	·256	·259	·253	·239	·260	·264	·249	·252	·273	·252	·242
		4	·222	·218	·218	·210	·224	·228	·263	·294	·272	·270	·213	·202	·209	·218
		5	·202	·229	·253	·269	·293	·310	·325	·344	·339	·349	·340	·338	·363	·329
		6	·255	·312	·353	·397	·403	·431	·456	·457	·450	·448	·423	·431	·413	·415
		7	·433	·410	·403	·406	·412	·421	·419	·424	·433	·432	·428	·400	·403	·416
		8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		9	·204	·221	·254	·263	·277	·279	·288	·302	·285	·279	·276	·274	·273	·270
		10	·223	·219	·236	·249	·270	·280	·293	·291	·304	·285	·276	·266	·275	·284
		11	·326	·335	·330	·338	·343	·356	·368	·370	·380	·374	·371	·372	·354	·348
		12	·286	·228	·275	·285	·278	·266	·258	·279	·249	·254	·247	·240	·221	·225
		13	·186	·185	·191	·206	·205	·203	·203	·184	·179	·171	·180	·189	·196	·199
		14	·162	·166	·174	·190	·189	·176	·187	·210	·213	·218	·194	·184	·177	·191
		15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		16	·217	·222	·223	·225	·236	·234	·269	·235	·226	·224	·233	·241	·238	·234
		17	·191	·202	·210	·202	·178	·164	·160	·159	·160	·158	·182	·167	·168	·164
		18	·188	·190	·198	·201	·217	·195	·178	·184	·216	·212	·218	·201	·209	·214
		19	·165	·171	·195	·182	·196	·199	·183	·182	·198	·235	·223	·206	·220	·214
		20	·243	·252	·263	·285	·290	·302	·308	·319	·350	·330	·345	·331	·340	·333
		21	·356	·336	·314	·307	·294	·271	·244	·226	·207	·197	·169	·170	·167	·171
		22	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		23	·128	·136	·144	·143	·147	·138	·185	·175	·188	·180	·184	·182	·170	—
		24	·144	·148	·164	·146	·119	·204	·219	·217	·210	·206	·209	·204	·188	·17
		25	·219	·222	·231	·247	·277	·242	·208	·186	·166	·167	·171	·157	·158	·11
		26	·146	·142	·154	·165	·153	·136	·114	·157	·154	·164	·156	·158	·156	·14
		27	·150	·142	·148	·154	·159	·177	·156	·156	·156	·160	·162	·162	·166	·16
		28	·142	·146	·155	·164	·145	·128	·158	·180	·181	·187	·177	·173	·168	·16
		29	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		30	·161	·159	·177	·164	·151	·142	·129	·158	·151	·153	·143	·131	·133	·1
		31	·133	·135	·144	·143	·136	·138	·135	·127	·175	·157	·159	·192	·200	·1
Hourly Means			·218	·219	·230	·235	·237	·238	·240	·244	·245	·244	·239	·235	·235	·2

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
4	5	6	7	8	9	10	11	12	13	14	15	16	17	
58	58	72	77	90	77	77	87	85	71	83	87	91	89	74
64	78	78	78	77	79	83	87	89	92	94	91	88	88	78
56	53	62	75	77	83	87	90	89	90	92	92	93	97	77
71	78	89	81	85	92	93	92	92	88	91	95	94	95	86
86	87	91	91	88	91	96	97	98	98	98	99	99	99	91
99	97	97	97	97	98	88	90	—	—	—	—	—	—	96
—	—	—	—	—	—	—	—	87	94	98	97	98	98	
84	84	87	88	88	93	94	97	94	94	96	95	93	98	89
81	83	86	91	88	89	89	90	93	93	92	93	94	93	88
96	97	96	96	96	97	92	96	89	93	92	91	95	95	94
72	71	74	81	85	91	92	93	95	96	96	95	94	93	83
59	70	79	80	83	89	96	95	93	91	92	93	94	93	80
74	73	74	86	81	79	80	79	—	—	—	—	—	—	84
—	—	—	—	—	—	—	—	95	95	93	95	95	95	
78	90	95	95	94	90	87	88	87	88	85	85	86	86	86
71	69	72	72	72	78	74	73	79	82	81	81	92	82	75
70	68	74	80	76	78	93	86	93	91	90	91	94	93	78
70	70	84	85	88	93	94	96	95	97	96	96	96	95	83
73	77	78	81	80	81	82	84	86	83	84	84	85	86	82
64	68	71	79	73	78	81	82	—	—	—	—	—	—	79
—	—	—	—	—	—	—	—	81	84	70	77	92	94	
72	78	90	—	—	92	91	95	87	96	95	95	96	93	84
73	83	89	91	95	95	95	97	95	95	98	96	79	98	86
70	69	73	73	78	81	90	92	92	95	92	86	87	96	82
73	78	75	78	74	74	75	72	76	94	94	93	96	96	79
87	89	93	93	92	93	92	93	96	97	93	92	94	88	92
71	79	88	90	88	88	84	85	—	—	—	—	—	—	80
—	—	—	—	—	—	—	—	79	78	79	87	87	82	
75	70	77	82	80	80	77	77	80	77	79	82	85	85	77
71	91	99	96	86	85	81	91	94	84	85	78	70	69	80
74	77	82	85	84	86	87	89	89	90	90	90	91	91	83
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·283	·276	·288	·276	·274	·262	·258	·267	·251	·228	·267	·274	·273	·257	·281
·252	·273	·252	·242	·234	·229	·231	·236	·239	·242	·246	·237	·232	·232	·247
·213	·202	·209	·218	·219	·223	·237	·242	·238	·238	·237	·231	·214	·207	·231
·340	·338	·363	·329	·334	·320	·302	·295	·298	·308	·317	·311	·280	·267	·305
·423	·431	·413	·415	·408	·419	·432	·438	·442	·437	·430	·430	·433	·427	·414
·428	·400	·403	·416	·416	·416	·348	·342	—	—	—	—	—	—	·357
—	—	—	—	—	—	—	—	·211	·212	·202	·199	·188	·191	
·276	·274	·273	·270	·266	·276	·273	·260	·245	·237	·217	·212	·211	·221	·257
·276	·266	·275	·284	·278	·278	·273	·271	·277	·279	·287	·296	·305	·318	·275
·371	·372	·354	·348	·350	·337	·309	·311	·301	·303	·290	·285	·294	·284	·334
·247	·240	·221	·225	·219	·216	·209	·204	·192	·179	·184	·183	·182	·190	·231
·180	·189	·196	·190	·189	·190	·178	·175	·171	·163	·162	·160	·163	·160	·182
·194	·184	·177	·192	·182	·175	·170	·166	—	—	—	—	—	—	·193
—	—	—	—	—	—	—	—	·219	·215	·211	·221	·220	·219	
·233	·241	·238	·236	·234	·220	·204	·212	·209	·206	·199	·196	·195	·194	·222
·182	·167	·168	·168	·168	·195	·169	·170	·182	·188	·187	·189	·210	·188	·180
·218	·201	·209	·214	·200	·195	·210	·189	·183	·187	·179	·179	·172	·165	·195
·223	·206	·220	·217	·222	·223	·218	·206	·205	·208	·208	·212	·214	·217	·204
·345	·331	·340	·333	·342	·343	·340	·325	·341	·375	·356	·351	·359	·362	·324
·169	·170	·167	·176	·161	·168	·174	·175	—	—	—	—	—	—	·204
—	—	—	—	—	—	—	—	·142	·145	·115	·121	·135	·134	
·184	·182	·170	—	—	·148	·148	·150	·136	·154	·146	·149	·149	·144	·156
·209	·204	·188	·172	·175	·178	·174	·171	·171	·178	·179	·179	·161	·208	·180
·171	·157	·158	·152	·156	·161	·150	·146	·148	·154	·147	·146	·144	·148	·179
·156	·158	·156	·162	·158	·157	·160	·155	·163	·178	·176	·168	·175	·162	·157
·162	·162	·166	·168	·168	·173	·174	·173	·170	·171	·158	·156	·145	·142	·160
·177	·173	·168	·163	·176	·179	·199	·206	—	—	—	—	—	—	·167
—	—	—	—	—	—	—	—	·171	·161	·159	·164	·167	·163	
·143	·131	·133	·136	·130	·129	·126	·125	·127	·121	·125	·129	·135	·131	·140
·159	·192	·200	·173	·146	·151	·144	·140	·141	·134	·151	·157	·148	·147	·150
·239	·235	·235	·235	·232	·229	·223	·221	·214	·215	·213	·213	·212	·211	·228

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
Humidity of the Air. NOVEMBER.	1	68	76	74	72	87	92	97	96	95	97	95	93	95	95
	2	95	95	95	91	86	80	75	78	82	89	87	88	87	91
	3	74	79	81	77	71	67	68	60	66	68	71	82	87	88
	4	92	87	79	72	68	68	72	75	73	72	74	76	78	77
	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	94	97	92	89	85	78	72	71	74	72	76	81	91	89
	7	95	96	91	86	81	79	78	73	72	84	90	93	93	91
	8	96	93	79	76	76	76	77	72	72	77	81	79	78	78
	9	84	95	83	78	76	59	59	69	71	70	73	73	75	74
	10	96	98	98	96	96	93	88	88	86	91	90	89	92	91
	11	96	96	96	96	96	95	95	94	94	91	88	94	96	94
	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	82	84	82	81	78	72	72	96	78	81	80	76	76	79
	14	78	77	81	79	76	76	78	75	75	76	78	82	84	88
	15	80	82	81	76	78	76	73	94	94	80	93	89	98	99
	16	98	98	98	98	98	98	96	95	93	93	95	95	93	87
	17	96	98	96	78	93	90	93	93	96	97	97	97	97	97
	18	97	85	82	79	73	77	71	68	67	66	67	78	82	86
	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	96	92	93	76	71	92	88	85	88	87	90	91	90	88
	21	95	97	97	95	85	84	77	83	75	82	84	82	82	82
	22	86	79	80	78	74	73	72	73	72	75	74	74	75	76
	23	96	96	96	93	66	81	90	84	83	85	90	86	83	88
	24	93	80	72	71	67	68	63	67	64	62	61	61	66	69
	25	95	86	83	76	71	64	58	63	59	61	63	70	78	82
	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	87	79	81	76	74	73	69	69	67	66	68	78	89	89
	28	93	93	94	88	87	83	77	85	80	78	74	80	78	78
	29	84	81	81	82	79	73	73	75	74	75	75	79	79	80
	30	77	78	81	79	68	70	66	76	76	76	80	82	80	84
Hourly Means		89	88	86	82	79	78	77	79	78	79	81	83	85	85
Tension of the Vapour. NOVEMBER.		In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
	1	·149	·158	·157	·160	·184	·190	·188	·188	·182	·192	·197	·205	·207	·209
	2	·191	·195	·199	·205	·202	·192	·182	·186	·189	·195	·187	·183	·174	·177
	3	·130	·140	·145	·140	·135	·133	·140	·131	·138	·139	·139	·150	·154	·149
	4	·132	·130	·120	·114	·115	·113	·121	·124	·122	·120	·122	·122	·122	·116
	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	·104	·105	·119	·133	·140	·139	·139	·139	·148	·147	·145	·150	·155	·15
	7	·160	·163	·161	·153	·157	·159	·158	·153	·151	·182	·187	·183	·182	·18
	8	·177	·170	·149	·145	·152	·154	·155	·151	·150	·156	·161	·155	·150	·15
	9	·149	·161	·147	·155	·155	·132	·133	·157	·157	·161	·154	·154	·162	·16
	10	·184	·189	·195	·195	·204	·217	·216	·216	·213	·219	·214	·209	·214	·21
	11	·199	·206	·208	·210	·213	·212	·210	·211	·211	·202	·191	·198	·197	·17
	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	·140	·139	·140	·142	·148	·147	·150	·170	·155	·158	·135	·123	·118	·11
	14	·090	·089	·093	·096	·096	·100	·110	·119	·118	·116	·111	·107	·106	·11
	15	·136	·142	·147	·144	·150	·155	·150	·176	·177	·170	·185	·189	·205	·21
	16	·235	·237	·244	·247	·258	·269	·279	·317	·316	·292	·280	·262	·267	·23
	17	·164	·171	·177	·158	·213	·237	·247	·244	·244	·247	·247	·246	·251	·25
	18	·254	·229	·224	·224	·217	·215	·200	·199	·190	·181	·175	·190	·188	·18
	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	·150	·156	·171	·155	·160	·226	·234	·238	·228	·234	·222	·207	·213	·20
	21	·231	·235	·242	·252	·246	·243	·218	·230	·213	·219	·217	·209	·201	·19
	22	·148	·138	·144	·153	·153	·151	·150	·154	·148	·155	·154	·153	·154	·11
	23	·135	·145	·166	·175	·143	·177	·210	·200	·193	·199	·209	·202	·203	·2
	24	·292	·303	·248	·219	·198	·196	·190	·192	·189	·175	·165	·148	·151	·1
	25	·161	·146	·146	·146	·147	·138	·130	·150	·147	·152	·155	·152	·164	·1
	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	·107	·096	·098	·092	·090	·091	·090	·093	·095	·096	·100	·101	·101	·0
	28	·087	·088	·095	·105	·114	·117	·121	·135	·131	·132	·128	·129	·123	·1
	29	·131	·128	·131	·136	·141	·138	·141	·144	·143	·148	·146	·149	·148	·1
	30	·105	·104	·106	·109	·100	·106	·103	·119	·116	·116	·121	·123	·121	·1
Hourly Means		·159	·160	·160	·160	·162	·167	·167	·174	·171	·173	·171	·169	·170	·1

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

10	11
4	5
95	93
87	88
71	82
74	76
—	—
76	81
90	93
81	79
73	73
90	89
88	94
—	—
80	76
78	82
93	89
95	95
97	97
67	78
—	—
90	91
84	82
74	74
90	86
61	61
63	70
—	—
68	78
74	80
75	79
80	82
81	83
In.	In.
·197	·205
·187	·183
·139	·150
·122	·122
—	—
·145	·150
·187	·183
·161	·155
·154	·154
·214	·209
·191	·198
—	—
·135	·123
·111	·107
·185	·189
·280	·262
·247	·246
·175	·190
—	—
·222	·207
·217	·209
·154	·153
·209	·202
·165	·146
·155	·152
—	—
·100	·101
·128	·129
·146	·149
·121	·123
·171	·169

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
95	95	95	95	95	93	94	95	95	95	97	98	91
87	91	90	85	79	80	80	82	79	82	81	78	86
87	88	90	88	88	88	86	93	90	90	94	96	81
78	77	79	77	76	74	—	—	—	—	—	—	80
—	—	—	—	—	—	95	91	93	94	94	95	
91	89	89	88	90	90	91	93	94	93	96	96	87
93	91	89	94	89	88	86	85	90	90	86	93	87
78	78	82	95	89	92	89	89	89	88	82	81	83
75	74	78	82	82	84	89	96	97	99	98	98	81
92	91	93	93	95	95	96	96	97	98	98	96	94
96	94	84	97	95	86	—	—	—	—	—	—	91
—	—	—	—	—	—	87	84	85	81	84	80	
76	79	79	80	76	77	82	82	75	86	87	82	80
84	88	86	79	81	94	88	88	89	90	89	85	82
98	99	99	99	99	98	97	89	89	92	94	98	90
93	87	88	90	96	98	96	93	94	95	98	95	95
97	97	97	98	97	97	97	97	95	90	89	90	94
82	86	85	84	87	89	—	—	—	—	—	—	83
—	—	—	—	—	—	92	93	95	96	96	96	
90	88	82	84	93	93	93	95	97	97	94	93	90
82	82	83	85	86	79	79	78	74	87	87	91	85
75	76	81	86	88	93	89	94	94	94	98	98	84
83	88	92	97	97	97	96	93	93	90	88	89	90
66	69	62	70	73	74	74	78	74	78	81	88	72
78	82	95	100	89	90	—	—	—	—	—	—	80
—	—	—	—	—	—	92	91	91	92	82	86	
89	89	89	92	92	94	92	92	91	92	92	93	83
78	78	78	73	76	77	77	79	79	80	81	81	81
79	80	81	82	86	89	89	82	76	79	77	77	80
80	84	87	89	64	87	95	95	93	82	89	91	81
85	85	86	88	87	88	89	89	89	90	90	90	85
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·207	·208	·208	·217	·219	·214	·209	·207	·199	·199	·200	·197	·193
·174	·177	·171	·160	·151	·147	·146	·150	·148	·151	·150	·139	·173
·154	·149	·152	·150	·148	·148	·137	·138	·131	·131	·134	·135	·140
·122	·118	·120	·117	·114	·111	—	—	—	—	—	—	·115
—	—	—	—	—	—	·118	·109	·110	·111	·102	·109	
·156	·151	·154	·153	·156	·155	·156	·158	·159	·157	·162	·161	·145
·182	·181	·177	·178	·175	·175	·167	·165	·172	·172	·167	·173	·168
·150	·151	·155	·177	·161	·164	·160	·162	·158	·157	·148	·144	·156
·162	·161	·169	·173	·179	·184	·186	·188	·187	·189	·187	·186	·165
·214	·212	·213	·213	·206	·200	·199	·193	·194	·200	·197	·199	·204
·197	·178	·162	·180	·167	·151	—	—	—	—	—	—	·180
—	—	—	—	—	—	·144	·140	·140	·134	·140	·134	
·118	·119	·117	·121	·108	·104	·106	·103	·089	·101	·101	·097	·126
·106	·115	·127	·120	·122	·141	·133	·135	·138	·143	·142	·144	·108
·205	·215	·220	·225	·225	·221	·216	·203	·208	·217	·226	·231	·188
·267	·236	·220	·203	·183	·177	·167	·157	·158	·160	·169	·166	·229
·251	·253	·261	·271	·260	·254	·255	·241	·236	·236	·236	·237	·232
·188	·189	·190	·192	·194	·191	—	—	—	—	—	—	·193
—	—	—	—	—	—	·176	·170	·169	·169	·169	·154	
·213	·209	·200	·207	·220	·217	·218	·220	·227	·233	·235	·230	·208
·201	·195	·197	·192	·194	·165	·163	·149	·141	·156	·153	·158	·200
·154	·150	·147	·151	·146	·144	·141	·141	·138	·133	·137	·137	·146
·203	·218	·231	·252	·256	·267	·286	·284	·286	·278	·291	·294	·220
·151	·151	·136	·147	·144	·150	·150	·153	·146	·151	·150	·146	·178
·164	·163	·173	·168	·146	·145	—	—	—	—	—	—	·142
—	—	—	—	—	—	·119	·117	·118	·119	·103	·108	
·101	·097	·096	·097	·096	·097	·096	·099	·095	·095	·090	·090	·096
·123	·121	·119	·113	·116	·118	·121	·125	·125	·126	·128	·127	·118
·148	·144	·139	·138	·141	·141	·139	·127	·116	·114	·108	·107	·134
·121	·127	·134	·133	·096	·130	·148	·148	·144	·134	·140	·142	·121
·170	·169	·169	·171	·166	·165	·163	·160	·158	·160	·160	·159	·165

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

Humidity of the Air. — DECEMBER.

Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
1	92	95	92	92	83	78	74	73	74	74	80	62
2	77	77	77	75	72	69	66	63	62	68	69	71
3	—	—	—	—	—	—	—	—	—	—	—	—
4	86	86	81	70	78	73	71	79	70	75	86	91
5	89	92	83	83	74	81	81	78	77	78	82	83
6	87	88	82	83	84	80	82	80	78	77	76	77
7	89	89	91	89	86	82	86	94	95	95	96	96
8	84	86	77	77	77	78	83	86	83	86	88	89
9	81	78	77	82	79	79	83	76	76	76	78	80
10	—	—	—	—	—	—	—	—	—	—	—	—
11	82	89	79	79	73	64	65	67	69	62	67	81
12	81	80	78	79	80	75	73	73	69	71	67	72
13	95	92	91	91	86	85	82	76	76	77	75	76
14	79	78	78	79	74	70	63	57	57	67	68	68
15	82	81	85	85	82	79	82	86	86	93	97	97
16	95	95	95	95	95	95	95	96	96	97	97	97
17	—	—	—	—	—	—	—	—	—	—	—	—
18	96	96	98	96	91	86	81	79	83	83	91	89
19	92	92	92	92	86	83	83	85	86	89	95	93
20	87	86	82	80	73	71	79	79	78	78	79	82
21	91	93	93	95	93	91	88	89	88	87	85	89
22	96	96	95	95	89	64	62	93	87	91	89	91
23	83	86	86	85	86	85	89	90	91	95	95	95
24	—	—	—	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	—	—	—	—	—	—
26	95	95	95	95	93	95	95	94	93	93	94	91
27	98	96	95	87	87	82	75	73	70	82	85	79
28	93	95	96	96	91	86	87	82	92	91	89	94
29	80	80	80	77	77	76	79	76	77	77	77	79
30	79	80	84	77	72	68	67	60	64	68	71	74
31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	84	85	83	82	79	76	77	76	76	78	80	81

Tension of the Vapour. — DECEMBER.

	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
1	·144	·148	·146	·154	·147	·144	·142	·141	·143	·142	·146	·148
2	·124	·126	·127	·129	·130	·133	·134	·133	·131	·138	·132	·126
3	—	—	—	—	—	—	—	—	—	—	—	—
4	·167	·167	·163	·149	·172	·179	·185	·192	·175	·179	·191	·194
5	·135	·133	·117	·115	·102	·105	·102	·098	·101	·103	·097	·091
6	·101	·105	·117	·124	·133	·132	·138	·137	·134	·131	·125	·128
7	·136	·135	·141	·148	·151	·140	·152	·164	·167	·161	·162	·159
8	·145	·146	·124	·117	·123	·128	·146	·148	·147	·156	·159	·164
9	·130	·127	·124	·136	·138	·140	·152	·141	·141	·137	·135	·133
10	—	—	—	—	—	—	—	—	—	—	—	—
11	·173	·190	·177	·175	·161	·143	·144	·146	·151	·133	·138	·162
12	·089	·077	·071	·074	·078	·076	·075	·076	·069	·069	·062	·064
13	·056	·060	·071	·079	·093	·112	·114	·115	·120	·127	·119	·116
14	·123	·127	·133	·141	·145	·144	·139	·128	·129	·147	·148	·146
15	·163	·164	·169	·172	·176	·179	·186	·187	·191	·187	·187	·185
16	·187	·187	·187	·187	·187	·187	·189	·191	·193	·194	·183	·181
17	—	—	—	—	—	—	—	—	—	—	—	—
18	·162	·162	·166	·167	·166	·161	·150	·151	·158	·156	·169	·159
19	·146	·145	·147	·152	·155	·159	·163	·166	·168	·171	·177	·170
20	·167	·166	·161	·161	·154	·151	·179	·180	·176	·177	·179	·179
21	·175	·178	·180	·184	·189	·194	·195	·198	·199	·202	·192	·187
22	·163	·156	·162	·166	·168	·140	·183	·210	·189	·194	·186	·186
23	·159	·166	·167	·166	·168	·167	·173	·176	·176	·183	·184	·187
24	—	—	—	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	—	—	—	—	—	—
26	·194	·194	·195	·191	·190	·199	·205	·207	·209	·211	·220	·214
27	·223	·214	·204	·202	·208	·205	·182	·176	·173	·198	·200	·182
28	·170	·172	·177	·180	·173	·178	·189	·182	·189	·189	·172	·169
29	·120	·117	·116	·107	·107	·113	·116	·119	·118	·120	·120	·123
30	·118	·121	·125	·118	·113	·108	·109	·098	·104	·104	·107	·108
31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	·147	·147	·147	·148	·149	·149	·154	·154	·154	·156	·156	·154

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
75	71	67	73	73	75	77	78	78	77	78	81	79
77	80	80	79	79	84	—	—	—	—	—	—	77
—	—	—	—	—	—	95	86	86	86	83	86	
89	90	89	87	86	72	82	96	89	91	92	85	83
81	83	85	87	91	88	90	92	89	89	86	87	85
77	75	77	77	78	78	79	81	82	81	84	87	80
95	95	94	89	89	88	88	91	91	89	86	92	91
89	89	89	88	86	92	97	94	91	86	79	78	86
77	79	85	84	84	85	—	—	—	—	—	—	79
—	—	—	—	—	—	79	76	78	74	59	79	
82	86	81	87	83	86	81	67	64	79	79	76	76
80	81	80	80	83	83	85	85	92	95	90	95	80
76	76	77	76	74	76	72	75	73	74	77	77	79
64	63	63	67	65	69	72	73	76	81	80	82	71
98	97	98	98	98	98	97	98	97	96	95	95	92
97	96	95	98	98	92	—	—	—	—	—	—	96
—	—	—	—	—	—	94	94	94	95	96	96	
90	91	90	91	92	91	90	95	94	90	89	90	90
82	86	88	86	88	89	89	92	91	91	88	91	89
83	87	86	87	89	90	90	91	90	92	92	93	84
89	89	91	94	91	94	92	88	94	92	95	93	91
96	87	87	88	81	81	82	80	91	82	83	83	87
96	96	97	98	98	98	—	—	—	—	—	—	93
—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	93	96	98	97	98	98	
95	98	96	98	98	98	98	99	99	98	98	98	96
79	83	80	81	81	83	88	95	91	90	94	91	85
78	78	78	77	78	81	85	85	80	76	84	80	86
78	79	77	91	85	77	76	78	78	80	79	84	79
76	74	80	77	77	77	—	—	—	—	—	—	78
—	—	—	—	—	—	86	85	86	88	90	92	
81	81	81	82	82	82	83	83	84	83	83	84	81

In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·133	·126	·117	·125	·124	·125	·127	·131	·131	·130	·127	·131	·136
·127	·126	·122	·119	·120	·124	—	—	—	—	—	—	·138
—	—	—	—	—	—	·181	·165	·164	·164	·161	·164	
·185	·184	·183	·185	·176	·144	·160	·169	·154	·155	·152	·133	·171
·091	·087	·084	·077	·087	·076	·086	·092	·093	·095	·097	·099	·098
·130	·130	·130	·131	·135	·137	·138	·138	·136	·131	·130	·134	·129
·155	·154	·150	·144	·145	·146	·148	·158	·156	·155	·152	·154	·151
·166	·162	·156	·155	·152	·145	·140	·134	·153	·146	·137	·128	·145
·118	·117	·115	·107	·107	·102	—	—	—	—	—	—	·133
—	—	—	—	—	—	·149	·147	·154	·153	·131	·164	
·162	·152	·140	·154	·146	·146	·131	·105	·097	·113	·105	·092	·143
·068	·068	·066	·062	·061	·058	·060	·053	·055	·155	·052	·055	·166
·117	·120	·122	·122	·122	·125	·118	·120	·116	·118	·117	·120	·109
·140	·136	·137	·143	·140	·147	·152	·153	·158	·163	·162	·163	·144
·186	·183	·185	·184	·184	·187	·183	·187	·185	·185	·184	·187	·182
·178	·174	·169	·169	·184	·152	—	—	—	—	—	—	·178
—	—	—	—	—	—	·167	·163	·162	·163	·163	·164	
·157	·156	·154	·152	·154	·151	·144	·149	·146	·144	·142	·143	·155
·146	·148	·148	·150	·149	·155	·154	·148	·156	·164	·164	·166	·157
·178	·184	·181	·182	·182	·177	·176	·176	·174	·177	·177	·178	·174
·185	·181	·180	·176	·176	·177	·174	·164	·166	·177	·175	·165	·182
·194	·181	·182	·183	·168	·164	·165	·161	·178	·163	·162	·163	·174
·194	·197	·196	·201	·200	·197	—	—	—	—	—	—	·183
—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	·177	·182	·189	·196	·199	·199	
·225	·229	·223	·226	·128	·230	·230	·229	·224	·224	·224	·223	·214
·177	·178	·169	·166	·164	·163	·168	·177	·171	·167	·172	·168	·184
·134	·129	·128	·126	·124	·125	·129	·130	·123	·117	·124	·120	·152
·120	·124	·122	·142	·128	·122	·120	·122	·118	·120	·116	·124	·120
·110	·108	·116	·113	·114	·115	—	—	—	—	—	—	·119
—	—	—	—	—	—	·126	·125	·125	·122	·119	·119	
·151	·149	·147	·148	·147	·144	·148	·147	·147	·148	·146	·146	·149

TORONTO, 1843.

DIRECTION AND FORCE OF THE WIND.

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.		6h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
JANUARY.	1	—	—	—	—	—	—	N.	0·2	—	—	—	—	—	—
	2	S. by E.	2·0	—	—	S. E.	2·0	—	—	S. E.	2·0	S. E.	2·0	S. by W.	2·0
	3	N. W.	1·0	N. W.	0·5	N. W.	0·5	N. W.	0·5	W. N. W.	0·5	W. N. W.	0·5	N. W.	0·5
	4	S. W.	0·5	S. W.	0·5	S. W.	0·5	S. W.	0·5	S. W.	0·5	S. W.	2·0	S. W.	0·5
	5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	6	—	0·0	N. E.	0·5	—	0·0	E.	2·0	E.	2·0	E.	2·0	E.	2·0
	7	S.	0·5	—	0·0	—	0·0	S.	0·2	S.	0·2	S.	0·5	S.	0·5
	8	—	—	—	—	—	—	E. by N.	2·0	—	—	—	—	—	—
	9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	10	N. E.	0·5	N. E.	0·5	N. E.	0·5	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·2	E.	0·2
	11	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. N. W.	0·2	N. E.	0·2	N. E.	0·2	N. E.	0·2
	12	N.	0·2	N.	0·2	N.	0·2	N. N. E.	0·2	N. E.	0·5	N. E. by E.	0·5	N. E. by E.	0·5
	13	—	0·0	E. by N.	0·2	E. by N.	0·2	W.	0·2	W.	0·2	S. W.	0·2	S. W.	0·2
	14	W. by S.	0·5	W. S. W.	1·0	W. S. W.	2·0	W. S. W.	1·0	W. S. W.	1·0	W. S. W.	1·0	W. by S.	1·0
	15	—	—	—	—	—	—	S. W. by W.	1·0	—	—	—	—	—	—
	16	E. by S.	0·5	E. by S.	0·5	S. E. by E.	0·5	E. by S.	2·0	E. by S.	1·0	E. by S.	1·0	E. by S.	0·5
	17	E.	0·5	E.	0·5	E. by N.	0·5	—	0·0	—	0·0	E. by N.	0·5	E. by S.	0·5
	18	E. by S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	19	—	0·0	—	0·0	—	0·0	S. by W.	0·2	—	0·0	—	0·0	S. S. W.	0·5
	20	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	21	—	0·0	—	0·0	—	0·0	S.	0·2	S.	0·2	S.	0·5	S. W. by S.	0·5
	22	—	—	—	—	—	—	W.	0·5	—	—	—	—	—	—
	23	—	0·0	S. W. by W.	0·5	S. W. by W.	0·5	S. W. by W.	0·5	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	0·5
	24	N. W.	2·0	N. W.	2·0	N. by W.	10·0	N. by W.	2·0	N. by W.	1·0	N. by W.	2·0	N. N. W.	10·0
	25	W. N. W.	0·5	W. N. W.	0·5	N. N. W.	2·0	N. N. W.	2·0	N. by W.	2·0	N. by W.	2·0	N. N. W.	2·0
	26	—	0·0	—	0·0	N. by E.	0·5	N. by E.	0·5	—	0·0	—	0·0	—	0·0
	27	E. by N.	0·5	E.	0·5	E. by N.	0·5	E. by N.	0·5	E. N. E.	0·5	N. E. by N.	0·5	N. E. by N.	0·5
	28	N.	0·5	N.	0·5	N. by E.	0·5	N. by E.	0·5	N. by E.	0·5	—	0·0	—	0·0
	29	—	—	—	—	—	—	—	0·0	—	—	—	—	—	—
	30	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E. by N.	0·2	—	0·0
	31	E.	0·5	E. by N.	2·0	E. by N.	2·0	E.	1·0	E. by N.	1·0	E. by N.	1·0	E. by N.	1·0

Mean Göttingen Time.		12h.		13h.		14h.		15h.		16h.		17h.		18h.	
JANUARY.	1	—	—	—	—	—	—	—	—	—	—	—	—	S. E.	1·0
	2	S. W.	2·0	S. W.	2·0	S. W.	1·0	S. W.	1·0	S. W.	1·0	S. W.	1·0	S. W.	1·0
	3	W. by S.	2·0	W. by S.	2·0	W. by S.	2·0	W.	1·0	W.	1·0	W.	2·0	S. W.	2·0
	4	S. W.	0·5	S. W.	0·5	S. W.	0·5	S. W.	0·5	—	0·0	—	0·0	—	0·0
	5	—	0·0	—	0·0	E.	0·2	E.	0·2	E.	0·2	E.	0·5	E.	0·2
	6	E.	0·5	E.	0·5	E.	1·0	E.	0·5	E.	0·5	—	0·0	E.	0·2
	7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. W.	0·2	—	—
	8	—	—	—	—	—	—	—	—	—	—	—	—	S. W.	0·2
	9	—	0·0	—	0·0	S. E.	0·2	S. E.	0·2	E. S. E.	0·2	S. E.	0·2	E. by N.	0·5
	10	N. by E.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. W.	0·2	—	0·0	—	0·0	—	0·6
	11	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	12	E.	1·0	E. by N.	1·0	E. by N.	1·0	E. by N.	0·5	E. by N.	0·5	E. by N.	0·5	E. by N.	0·5
	13	N. N. W.	2·0	N. N. W.	1·0	N. N. W.	1·0	N. N. W.	0·5	W. N. W.	0·5	W. N. W.	0·5	N. N. W.	0·5
	14	W. S. W.	1·0	W. S. W.	1·0	W. S. W.	1·0	W. S. W.	2·0	S. W. by W.	2·0	S. W. by W.	2·0	—	—
	15	—	—	—	—	—	—	—	—	—	—	—	—	S. W. by W.	0·2
	16	E.	0·5	E.	0·5	E.	0·5	E. by S.	1·0	E. by S.	1·0	E. by S.	1·0	E. by S.	0·5
	17	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	—	0·0	—	0·0	—	0·6
	18	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	19	S. W.	0·5	S. W.	0·5	S. W.	0·5	S. W.	0·2	—	0·0	—	0·0	—	0·0
	20	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	21	S. W. by W.	0·5	W. S. W.	0·5	W.	0·5	W.	0·5	W.	0·5	W.	0·5	—	—
	22	—	—	—	—	—	—	—	—	—	—	—	—	—	0·0
	23	W. by S.	2·0	W. by S.	1·0	W. by S.	0·5	W. by S.	0·2	—	0·0	W. by S.	0·5	W. by S.	2·0
	24	N. W.	1·0	N. W.	0·2	N. W.	0·5	N. W.	0·2	N. W.	0·2	N. W.	1·0	N. W. by W.	1·0
	25	N. by W.	1·0	N. by W.	1·0	N.	2·0	N. by E.	1·0	N. by E.	1·0	N. by E.	0·5	N. by E.	0·5
	26	N. E. by E.	0·2	N. E. by E.	0·5	E. by N.	0·5	E.	0·5	E by S.	1·0	E. by S.	1·0	E. by S.	1·0
	27	N. E.	0·5	N. E.	0·5	N. E.	0·5	—	0·0	—	0·0	E. by N.	0·2	E. by N.	0·5
	28	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	—
	29	—	—	—	—	—	—	—	—	—	—	—	—	—	0·0
	30	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	31	—	0·0	S. by W.	0·5	S. by W.	1·0	S. by W.	2·0	S. E. by E.	10·0	S. E. by E.	10·0	S. W.	10·0

DIRECTION AND FORCE OF THE WIND.

5h.		6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
—	—	—	—	—	—	—	—	—	0·0	—	—	—	—	1	JANUARY.
S. E.	2·0	S. by W.	2·0	S. W.	2·0	S. W.	2·0	S. W.	2·0	S. W	2·0	S. W.	2·0	2	
W. N. W.	0·3	N. W.	0·5	N. W.	0·5	W. by N.	1·0	W.	1·0	W. by S.	2·0	W. by S.	2·0	3	
S. W.	2·0	S. W.	0·5	S. W.	0·5	S. W.	1·0	S. W.	1·0	S. W.	1·0	S. W.	0·5	4	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	5	
E.	2·0	E.	2·0	E. by N.	0·5	E. by N.	0·5	E.	1·0	E.	1·0	E.	1·0	6	
S.	0·5	S.	0·5	S.	0·5	N.	0·2	—	0·0	—	0·0	—	0·0	7	
—	—	—	—	—	—	—	—	S. W. by S.	10·0	—	—	—	—	8	
—	0·0	—	0·0	—	0·0	—	0·0	S. E.	0·2	S. E.	0·5	—	0·0	9	
E. N. E.	0·2	E.	0·2	E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	10	
N. E.	0·2	N. E.	0·2	N. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	11	
N. E. by E.	0·5	N. E.	0·5	N. E.	0·5	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	1·0	E. N. E.	1·0	12	
S. W.	0·2	S. W.	0·2	S.	0·2	N.	0·2	N. by W.	1·0	N. N. W.	1·0	N. N. W.	1·0	13	
W. S. W.	1·0	W. by S.	1·0	W. by S.	1·0	W. S. W.	1·0	W. S. W.	1·0	S. W. by W.	1·0	W. S. W.	1·0	14	
—	—	—	—	—	—	—	—	S. W. by W.	0·5	—	—	—	—	15	
E. by S.	1·0	E. by S.	0·5	E.	0·5	E.	0·5	E.	0·5	E.	0·5	E.	0·5	16	
E. by N.	0·5	E. by S.	0·5	E. by N.	0·5	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	17	
—	0·0	—	0·0	S.	0·2	S. by W.	0·2	S. by W.	0·2	—	0·0	—	0·0	18	
—	0·0	S. S. W.	0·5	S. S. W.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	S. W.	0·5	19	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	20	
S.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	S. W. by W.	0·5	S. W. by W.	0·5	S. W. by W.	0·5	21	
—	—	—	—	—	—	—	—	W. by N.	2·2	—	—	—	—	22	
W. S. W.	0·5	W. S. W.	0·5	W. S. W.	0·5	S. W. by W.	1·0	S. W.	10·0	S. W. by W.	2·0	W. S. W.	2·0	23	
N. by W.	2·0	N. N. W.	10·0	N. W. by N.	10·0	N. N. W.	10·0	N. by W.	2·0	N. N. W.	2·0	N. N. W.	2·0	24	
N. by W.	2·0	N. N. W.	2·0	N. by W.	2·0	N. N. W.	2·0	N. N. W.	0·0	N.	2·0	N. by W.	2·0	25	
—	0·0	—	0·0	—	0·0	N. E. by N.	0·5	E. N. E.	0·5	N. E. by E.	0·2	N. E. by E.	0·2	26	
N. E. by N.	0·5	N. E. by N.	0·5	N. E.	0·5	N. E.	0·5	N. E.	0·5	N. E.	0·2	N. E.	0·2	27	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. by E.	0·2	—	0·0	28	
—	—	—	—	—	—	—	—	—	0·0	—	—	—	—	29	
E. by N.	0·2	—	0·0	S. E. by E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	E. by S.	0·2	30	
E. by N.	1·0	E. by N.	1·0	E. by N.	1·0	E. N. E.	0·5	E. N. E.	0·2	—	0·0	—	0·0	31	

17h.		18h.		19h.		20h.		21h.		22h.		23h.			
—	—	S. E.	1·0	S. E.	2·0	S. E.	2·0	S. E.	2·0	S. E.	2·0	—	—	1	JANUARY.
S. W.	1·0	S. W.	1·0	S. W.	1·0	S. W.	1·0	N. W.	1·0	N. W.	2·0	N. W.	1·0	2	
W.	2·0	S. W.	2·0	S. W.	2·0	S. W.	2·0	S. W.	2·0	S. W.	0·5	N. E.	0·5	3	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	4	
E.	0·5	E.	0·2	E.	0·2	E.	0·2	—	0·0	E.	0·2	S. by E.	0·5	5	
—	0·0	E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	6	
N. W.	0·2	—	—	—	—	—	—	—	—	—	—	—	—	7	
—	—	S. W.	0·2	S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	8	
S. E.	0·2	E. by N.	0·5	E. N. E.	0·5	N. E.	0·5	N. E.	0·5	N. E.	0·5	N. E.	0·5	9	
—	0·0	—	0·0	—	0·0	N. W.	0·2	N. W.	0·2	—	0·0	—	0·0	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11	
E. by N.	0·5	E. by N.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	12	
W. N. W.	0·5	N. N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·2	—	0·0	W.	0·5	13	
S. W. by W.	2·0	—	—	—	—	—	—	—	—	—	—	—	—	14	
—	—	S. W. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	E. by S.	0·2	15	
E. by S.	1·0	E. by S.	0·5	E.	0·5	E.	0·5	—	0·0	E.	0·5	E.	0·5	16	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E. by S.	0·2	17	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	18	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	20	
W.	0·5	—	—	—	—	—	—	—	—	—	—	—	—	21	
—	—	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	22	
W. by S.	0·5	W. by S.	2·0	W. by S.	2·0	W. by S.	1·0	W. S. W.	1·0	W. by S.	1·0	N. W. by W.	2·0	23	
N. W.	1·0	N. W. by W.	1·0	N. W. by W.	0·5	N. W. by W.	0·5	N. W. by W.	0·5	W. N. W.	0·5	W. N. W.	0·5	24	
N. by E.	0·5	N. by E.	0·5	N. by E.	0·5	N. by E.	0·5	N. by E.	0·5	N. by E.	0·5	N. by E.	0·5	25	
E. by S.	1·0	E. by S.	1·0	E.	1·0	E. by N.	1·0	E. by N.	1·0	E. by N.	0·5	E. by N.	0·5	26	
E. by N.	0·2	E. by N.	0·5	E. by N.	0·5	E. by N.	0·5	E. N. E.	0·5	N.	0·5	N.	1·0	27	
—	0·0	—	—	—	—	—	—	—	—	—	—	—	—	28	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	29	
—	0·0	—	0·0	E. by S.	0·2	S. by E.	2·0	S. S. E.	0·5	S. S. E.	0·5	S. S. E.	0·5	30	
E. by E.	10·0	S. W.	10·0	S. W. by S.	10·0	S. W. by S.	7·0	S. S. W.	7·0	S. S. W.	7·0	S. S. W.	7·0	31	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
FEBRUARY.	1	S. W. by S.	7·0	S. W. by S.	7·0	S. W. by S.	7·0	S. W. by S.	7·0	S. W. by S.	7·0	S. W. by S.	3·0
	2	W.	0·5	W.	0·5	—	0·0	W.	0·2	W.	0·2	W.	0·2
	3	S. S. W.	2·0	S. S. W.	2·0	—	0·0	S. W. by S.	0·5	S. W. by S.	0·5	S. W. by S.	0·3
	4	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	5	—	—	—	—	—	—	N. E. by E.	0·0	—	—	—	—
	6	N. W. by W.	10·0	N. W. by W.	10·0	N. W. by W.	10·0	W. by N.	7·0	W. N. W.	7·0	W. N. W.	7·0
	7	N. W.	2·0	N. W.	2·0	N. W.	1·0	N. W.	1·0	N. W. by W.	1·0	W. by N.	1·0
	8	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	W. by N.	0·2
	9	—	0·0	—	0·0	—	0·0	—	0·0	N. W.	1·0	N. W.	0·5
	10	E. S. E.	0·5	E.	0·5	E. N. E.	5·0	E.	5·0	E.	5·0	E.	3·0
	11	S. W. by W.	7·0	S. W. by W.	7·0	W. by S.	5·0	S. W. by W.	5·0	W. S. W.	2·0	W. S. W.	5·0
	12	—	—	—	—	—	—	S. W.	0·5	—	—	—	—
	13	—	0·0	S. W.	0·2	—	0·0	—	0·0	—	0·0	S. W.	0·2
	14	N. E. by N.	1·0	N. E. by N.	1·0	N. E.	1·0	N. N. E.	1·0	N. E.	1·0	N. E.	1·0
	15	N. E.	0·2	N. E.	0·2	N. W. by N.	0·2	W. N. W.	0·2	W. by N.	0·2	W. N. W.	0·2
	16	W. N. W.	0·5	N. N. W.	0·5	—	0·0	W. by N.	0·2	W. by N.	0·5	W. by S.	1·0
	17	—	0·3	—	0·0	—	0·0	—	0·0	W.	0·2	W.	0·2
	18	—	0·0	—	0·0	—	0·0	S. W. by W.	0·2	S. W.	0·2	S. W.	0·2
	19	—	—	—	—	—	—	N. N. E.	0·5	—	—	—	—
	20	—	0·0	—	0·0	—	0·0	—	0·0	N. N. W.	0·2	N. N. W.	0·2
	21	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. W.	0·2
	22	—	0·0	S. W.	0·2	S. W.	0·2	N. W.	0·5	N. W.	0·5	N. W.	0·3
	23	—	0·0	W. N. W.	0·2	—	0·0	N. W.	0·5	W.	0·5	W. by N.	2·0
	24	N. N. W.	0·2	—	0·0	—	0·0	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2
	25	S. W.	0·5	S. W.	0·5	S. W.	0·5	S. W. by S.	1·0	S. S. W.	1·0	S. S. W.	1·0
	26	—	—	—	—	—	—	—	0·0	—	—	—	—
	27	N. E. by E.	1·0	N. E. by N.	1·0	N. by E.	0·5	N. E. by N.	0·5	N. E. by N.	0·5	N. E. by N.	0·3
	28	N. E. by N.	0·5	N. E. by N.	0·5	—	0·0	—	0·0	—	0·0	W.	0·2

		12h.		13h.		14h.		15h.		16h.		17h.	
FEBRUARY.	1	N. W. by W.	2·0	N. W. by W.	7·0	S. W.	10·0	W.	3·0	W.	3·0	W.	2·0
	2	W.	0·2	W.	0·2	W.	0·2	W. S. W.	1·0	S. W. by W.	2·0	S. W. by S.	2·0
	3	S. S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	4	—	0·0	—	0·0	—	0·0	—	0·0	E. S. E.	0·2	N. E.	0·1
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	W. N. W.	2·0	W. N. W.	2·0	W. by N.	2·0	N. W. by W.	2·0	N. W. by W.	1·0	W. N. W.	1·0
	7	W. by N.	0·5	W. by N.	0·5	W. N. W.	0·2	W. N. W.	0·5	W. N. W.	0·5	W. N. W.	0·3
	8	S. W. by W.	0·5	S. W. by W.	0·5	S. W. by W.	0·5	S. W. by W.	0·5	S. W. by W.	0·5	S. W. by W.	0·3
	9	—	0·0	N. N. W.	0·5	N. by W.	0·5	N. by W.	0·5	N. by W.	0·2	N. by W.	0·2
	10	E. by N.	2·0	E. by N.	2·0	E. by N.	2·0	E.	2·0	E.	2·0	—	0·0
	11	S. W.	2·0	S. W.	2·0	S. W.	2·0	S. W.	2·0	S. W.	0·5	S. W.	0·3
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	—	0·0	N.	0·2	N.	0·5	N. by E.	0·5	N. by E.	0·5	N.	0·3
	14	N. N. E.	2·0	N. N. E.	2·0	N.	2·0	N.	2·0	N.	2·0	N.	2·0
	15	W.	1·0	W.	0·5	W.	0·5	W. S. W.	0·5	N. N. W.	0·5	N. N. W.	0·3
	16	W.	0·5	N. W. by N.	0·5	N. W. by N.	0·5	—	0·0	—	0·0	—	0·0
	17	S. W.	0·2	S. W. by S.	0·5	—	0·0	S. W. by S.	0·2	S. W. by S.	0·2	S. W. by S.	0·2
	18	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. W.	0·2
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	—	0·0	—	0·0	—	0·0	—	0·0	W.	0·2	—	0·0
	21	—	0·0	S. W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0
	22	N. N. W.	2·0	N. N. W.	0·5	N. N. W.	0·5	—	0·0	—	0·0	—	0·0
	23	W. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. by W.	0·5	N. by W.	0·2	N. by W.	0·2
	24	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	25	—	0·0	S. W.	0·5	S. W.	0·5	S. W.	0·2	—	0·0	N. W.	0·3
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	28	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	0·3

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
S. W. by S.	2·0	S. W. by S.	2·0	S. W. by S.	2·0	S. W. by S.	2·0	S. W. by S.	2·0	N.W. by W.	2·0	1	FEBRUARY.
W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	2	
S. W. by S.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	3	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	4	
—	—	—	—	E. by N.	10·0	E. N. E.	10·0	—	—	—	—	5	
W. N. W.	7·0	W. by N.	7·0	W. by N.	2·0	W. N. W.	7·0	W. N. W.	7·0	W. N. W.	2·0	6	
W. by N.	1·0	W.	1·0	W. N. W.	1·0	W. by N.	1·0	W. N. W.	1·0	W by N.	1·0	7	
W. by N.	0·2	W. by S.	0·2	S. W. by W.	0·2	S. W. by W.	0·2	S. W. by W.	0·5	S. W. by W.	0·5	8	
N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W. by N.	0·5	N. W. by N.	0·2	—	0·0	9	
E.	5·0	E. by N.	2·0	E. N. E.	2·0	E. N. E.	2·0	E. by N.	2·0	E. by N.	2·0	10	
W. S. W.	2·0	W. by S.	2·0	W. by S.	2·0	W. S. W.	2·0	W. by S.	2·0	S. W.	2·0	11	
—	—	—	—	—	—	S. W. by W.	1·0	—	—	—	—	12	
—	0·0	N.W. by W.	0·2	S.W. by W.	0·2	S. W. by W.	0·2	N. W. by N.	0·5	N. W. by N.	0·2	13	
N. E.	7·0	N. E. by N.	2·0	N. E. by N.	2·0	N. N. E.	2·0	N. N. E.	2·0	N. N. E.	2·0	14	
W. S. W.	0·5	W. S. W.	1·0	W. by S.	2·0	W. N. W.	2·0	W. S. W.	2·0	W.	2·0	15	
W. by S.	1·0	W. by S.	1·0	W.	2·0	W.	2·0	W.	1·0	W.	0·5	16	
S. W.	1·0	S. W. by S.	1·0	S. W. by S.	1·0	S. W. by S.	1·0	S. W. by S.	1·0	S. W.	0·5	17	
S.W. by W.	0·2	S. W. by W.	0·2	—	0·2	S. W. by W.	0·2	S. W. by W.	0·2	S. W. by W.	0·2	18	
—	—	—	—	S. W. by W.	—	N. E.	0·5	—	—	—	—	19	
N. W. by N.	0·2	W.	0·2	S. W. by W.	0·5	S. W.	0·5	S. W.	0·5	N. W.	0·2	20	
S. W.	0·2	S. W.	0·2	S. W.	0·5	S. W.	0·5	W.	0·5	—	0·0	21	
N. W.	2·0	N. W. by W.	2·0	N. W.	2·0	N. W.	2·0	W. by N.	2·0	N. N. W.	2·0	22	
W.	2·0	W. S. W.	2·0	W. S. W.	2·0	W.	2·0	W.	1·0	W. by N.	0·5	23	
N. N. W.	0·2	S. W.	0·2	S. W.	0·2	—	0·0	—	0·0	—	0·0	24	
S. S. W.	1·0	S. S. W.	1·0	S. S. W.	1·0	S. W.	1·0	W. S. W.	1·0	W.	0·2	25	
—	—	—	—	—	—	N. E. by E.	0·2	—	—	—	—	26	
—	0·0	N. E. by N.	0·5	S. by E.	0·2	S. by E.	0·2	S by E.	0·2	—	0·0	27	
W. S. W.	0·2	—	0·0	—	0·0	W. by S.	0·2	W. by S.	0·5	W. S. W.	0·5	28	

18h.		19h.		20h.		21h.		22h.		23h.			
W.	1·0	W.	1·0	W.	0·5	W.	0·2	—	0·0	—	0·0	1	FEBRUARY.
S. W. by S.	3·0	S. W. by S.	3·0	S. W. by S.	3·0	S. W. by S.	3·0	S. W.	3·0	S. S. W.	2·0	2	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	3	
—	—	—	—	—	—	—	—	—	—	—	—	4	
N. N. W.	2·0	N. W.	2·0	N. W.	2·0	N. W. by W.	10·0	N. N. W.	10·0	N. W. by W.	10·0	5	
W. N. W.	1·0	W. N. W.	2·0	W. N. W.	2·0	W. N. W.	2·0	N. W.	2·0	N. W.	2·0	6	
W. by S.	0·2	W. by S.	0·5	—	0·0	—	0·0	W. by S.	0·2	W. by S.	0·2	7	
S. W. by W.	0·5	S. W. by W.	0·2	S. W. by W.	0·0	—	0·0	—	0·0	—	0·0	8	
N. by W.	0·2	N. by W.	0·5	N. by W.	0·5	N. E. by N.	0·5	N. E. by N.	0·2	N. E. by N.	0·5	9	
S. by E.	7·0	S. by E.	10·0	S. by W.	10·0	S. W.	10·0	S. W.	7·0	S. W. by W.	7·0	10	
—	—	—	—	—	—	—	—	—	—	—	—	11	
S. W.	0·2	S. W.	0·2	S. W.	0·5	S. W.	0·2	S. W.	0·2	S. W.	0·2	12	
N.	0·5	—	0·0	N. E.	0·5	N. E.	0·5	N. E.	1·0	N. E. by N.	1·0	13	
N.	1·0	N.	1·0	N.	1·0	N.	0·5	N. N. W.	0·5	N. E.	0·2	14	
N. N. W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	15	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	16	
W.	0·2	—	0·0	—	0·0	W.	0·2	—	0·0	—	0·0	17	
—	—	—	—	—	—	—	—	—	—	—	—	18	
N.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	20	
S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	22	
N. by W.	0·5	—	0·0	—	0·0	—	0·0	N.	0·5	—	0·0	23	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	24	
—	—	—	—	—	—	—	—	—	—	—	—	25	
E. N. E.	1·0	E. N. E.	2·0	E. N. E.	1·0	E. N. E.	1·0	E. by N.	1·0	N. E. by E.	1·0	26	
—	0·0	N. E. by N.	0·5	N. E. by N.	0·5	N. E. by N.	0·5	N. E. by N.	0·5	N. E by N.	0·5	27	
W.	0·2	W.	0·2	W.	0·2	W.	0·2	—	0·0	W.	0·2	28	

DIRECTION AND FORCE OF THE WIND.

	Mean Göttingen Time.	0h.		1h.		2h.		3h.		4h.		5h.		6h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
MARCH.	1	W.	0·2	W.	0·2	W.	0·0	W. by N.	0·5	W.	0·5	W.	1·0	W.	1·0
	2	W. by S.	0·2	—	0·0	—	0·0	S. W. by W.	0·5	W. S. W.	0·5	W. by S.	1·0	W. by S.	1·0
	3	—	0·0	W. S. W.	0·2	—	0·0	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2
	4	W. by S.	0·5	—	0·0	—	0·0	N.	0·2	N.	0·2	W. by S.	0·2	N. N. W.	0·2
	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	—	0·0	—	0·0	N. W.	0·2	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	1·0
	7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. by W.	0·2
	8	S. E. by E.	0·2	E. S. E.	1·0	—	0·0	E.	0·5	E. by N.	1·0	E. by N.	0·5	E. by N.	1·0
	9	—	0·0	—	0·0	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·2	—	0·5	—	0·0
	10	E.	7·0	E. S. E.	7·0	E. S. E.	7·0	E. by S.	3·0	E. by S.	3·0	E. by S.	3·0	E. by N.	3·0
	11	S.W.	0·5	S. W.	0·5	W. by N.	2·0	W.	2·0	W.	2·0	W. by N.	2·0	W. by S.	2·0
	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	E.	0·2	E.	0·2	E. S. E.	0·5	S. E.	0·2	S. E.	0·2	—	0·0	—	0·0
	14	S. W. by W.	1·0	S. W. by W.	1·0	W.	1·0	S. W. by W.	1·0	S. W. by W.	1·0	S. W.	1·0	S. W. by S.	1·0
	15	W. N. W.	7·0	W.	2·0	S. W. by W.	2·0	S. W. by W.	1·0	W. by N.	2·0	W. N. W.	7·0	W. by S.	7·0
	16	—	0·0	W. by S.	0·2	W. by S.	0·2	N.	0·2	N.	0·2	N. E.	0·5	N. E. by E.	0·5
	17	N. N. W.	2·0	N. N. W.	2·0	N. N. W.	2·0	W. N. W.	1·0	W. by N.	0·5	W. by N.	1·0	W. N. W	2·0
	18	W.	1·0	W. by S.	0·5	W. S. W.	1·0	W. S. W.	1·0	S. W. by W.	1·0	S. W. by W.	1·0	S. W. by W.	1 0
	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	—	0·0	—	0·0	—	0·0	W. by S.	0·2	W. by S.	0·5	W. by S.	0·5	W. S. W.	0·5
	21	—	0·0	W. by S.	0·2	W. S. W.	0·5	S. W.	1·0	S. S. W.	2·0	S. S. W.	2·0	S. S. W.	2·0
	22	—	0·0	—	0·0	—	0·0	S.	0·2	S.	0·2	S. E.	0·2	S. E.	1·0
	23	N. N. W.	2·0	N. N. W.	2·0	N. W.	2·0	N. W.	2·0	N. W.	2·0	N. W.	10·0	N. N. W.	5·0
	24	W. by N.	0·2	W. by N.	0·2	—	0·0	W.	0·5	W. S. W.	0·5	W. S. W.	1·0	S. W. by W.	1·0
	25	—	0·0	S. E. by S.	0·5	S. E.	0·5	S. S. E.	0·5	S. S. E.	0·2	S. S. E.	0·2	S. by E.	0·5
	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	E. S. E.	1·0	E. S. E.	1·0	E. S. E.	1·0	E. S. E.	2·0	E. by S.	2·0	E. by S.	2·0	E. by N.	2·0
	28	E. N. E.	7·0	N. E. by E.	2·0	N. E. by E.	2·0	E. N. E.	2·0	E. by N.	1·0	N. E.	0·5	N.	0·2
	29	W. by S.	0·2	W. S. W.	0·2	S. W.	0·5	W. S. W.	1·0	S. W.	0·5	S. W.	0·5	S. W.	0·5
	30	N. N. W.	0·2	N. by W.	0·2	N. N. W.	0·2	N. by W.	0·5	N. by W.	0·5	S. E.	0·5	S. E. by E.	0·5
	31	E.	7·0	E. by N.	7·0	N. E. by E.	7·0	N. E. by E.	10·0	E. by N.	10·0	E. by N.	10·0	E. by N.	7·0

		12h.		13h.		14h.		15h.		16h.		17h.		18h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
MARCH.	1	W. by S.	0·5	W. by S.	0·5	W. by S.	0·5	W.	0·2	W.	0·2	W.	0·5	W.	0·5
	2	W. S. W.	1·0	W. S. W.	1·0	W. S. W.	0·5	W. S. W.	0·2	—	0·0	W. S. W.	0·2	—	0·0
	3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	4	N. by W.	1·0	N. by W.	1·0	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	—	0·0	—	—
	5	—	—	—	—	—	—	—	—	—	—	—	—	—	0·0
	6	N. W. by N.	1·0	N. W. by N.	1·0	N. W. by N.	1·0	N.W. by N.	0·5	—	0·0	—	0·0	—	0·0
	7	—	0·0	—	0·0	—	0·0	—	0·0	N. W.	0·2	N. W.	0·2	N. W.	0·5
	8	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	10	E. by N.	1·0	E. by N.	1·0	E. by N.	1·0	E.	0·5	N.W. by W.	0·2	—	0·0	—	0·0
	11	W. by S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	—
	12	—	—	—	—	—	—	—	—	—	—	—	—	E. by S.	1·0
	13	W. N. W.	2·0	W. N. W.	2·0	N. W. byW.	2·0	W. N. W.	2·0	W. N. W.	3·0	W. N. W.	2·0	W.	1·0
	14	S. W.	1·0	S. W.	0·5	S. W.	0·2	—	0·0	—	0·0	S. W.	0·5	S. S. W.	0·5
	15	W.	0·5	W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	16	—	0·0	—	0·0	—	0·0	N. N. W.	1·0	N. W. by N.	1·0	N. W. by N.	1·0	N. W. by N.	1·0
	17	W. by S.	2·0	W. by S.	2·0	W.	2·0	W.	2·0	W.	2·0	W.	2·0	W.	1·0
	18	S. W. by W.	0·5	S. W. by W.	0·5	S. W.	0·2	S. W.	0·2	S. W.	0·2	S. W.	0·2	—	—
	19	—	—	—	—	—	—	—	—	—	—	—	—	—	0·0
	20	W. S. W.	0·2	W. S. W.	1·0	W. by S.	1·0	—	0·0	—	0·0	—	0·0	—	0·0
	21	S. W.	1·0	S. W.	0·5	S. W.	2·0	S. W.	1·0	S. S. W.	0·2	—	0·0	—	0·0
	22	W. by S.	0·5	W. by S.	0·5	W.	2·0	N. W.	2·0	S. W.	2·0	S. W.	2·0	S. W.	2·0
	23	W. by N.	7·0	W. by N.	7·0	W. by N.	7·0	W.N. W.	3·0	W. N. W.	2·0	W. N. W.	2·0	W. N. W.	2·0
	24	S. S. W.	1·0	S. S. W.	2·0	S. S. W.	2·0	S. S. W.	2·0	S. W.	1·0	—	0·0	S. S. W.	0·5
	25	W. by S.	0·5	W. by S.	1·0	W.	1·0	W.	1·0	W.	0·5	—	0·0	—	—
	26	—	—	—	—	—	—	—	—	—	—	—	—	—	0·0
	27	E.	2·0	E.	2·0	E.	2·0	E.	2·0	E.	2·0	E.	2·0	E.	1·0
	28	N.W. by W.	2·0	N.W. by W.	2·0	N. W. by W.	1·0	N.W. by W.	1·0	N.W. by W.	1·0	W.	1·0	W.	1·0
	29	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·2	—	0·0	—	0·0	N. by E.	0·5
	30	E. by N.	0·2	—	0·0	E. N. E.	0·5	E. N. E.	0·5	E.	1·0	E.	1·0	E.	1·0
	31	N. E.	7·0	N. E.	2·0	N. E.	2·0	N. E.	0·0	N. E.	2·0	N. E. by E.	1·0	N. W. by N.	1·0

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
W.	1·0	W. by S.	1·0	W. by S.	1·0	W. by S.	1·0	W. by S.	0·5	W. by S.	0·5	1	MARCH.
W. by S.	1·0	W. by S.	1·0	W. by. S.	1·0	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	1·0	2	
W. S. W.	0·2	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	0·5	—	0·0	3	
N. N. W.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·5	N. by W.	0·5	4	
—	—	—	—	—	—	—	—	—	—	—	—	5	
N. W.	1·0	N. by W.	2·0	N. N. W.	1·0	N. N. W.	1·0	N. N. W.	1·0	N. W. by N.	1·0	6	
N. by W.	0·2	N. N. W.	0·5	N. N. W.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	—	0·0	7	
E. by N.	1·0	E.	1·0	E.	1·0	E. by N.	1·0	E.	0·5	E. by N.	0·2	8	
—	0·0	—	0·0	S.	0·2	S.	0·2	S.	0·2	—	0·0	9	
E. by N.	3·0	E. N. E.	3·0	E. N. E.	3·0	E. by N.	1·0	E.	0·5	E.	0·5	10	
W. by S.	2·0	W.	2·0	N. N. W.	2·0	W.	2·0	W.	1·0	W. by S.	0·5	11	
—	—	—	—	—	—	—	—	—	—	—	—	12	
—	0·0	—	0·0	S.	0·2	—	0·0	—	0·0	—	0·0	13	
S. W.	1·0	S. S. W.	1·0	S. S. W.	1·0	S. S. W.	1·0	S. W.	1·0	S. W.	2·0	14	
W. N. W.	7·0	W. by S.	3·0	W. by S.	3·0	W.	3·0	W.	3·0	W. by N.	0·5	15	
N. E.	0·5	—	0·0	N. E. by E.	0·0	—	0·0	E.	0·5	—	0·0	16	
W. by N.	1·0	W.	2·0	W.	2·0	W.	2·0	W.	1·0	W.	2·0	17	
S. W. by W.	1·0	S. W. by W.	1·0	S. W. by W.	1·0	S. W. by W.	1·0	S. W. by W.	1·0	S. W. by W.	0·5	18	
—	—	—	—	—	—	—	—	—	—	—	—	19	
W. by S.	0·5	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2	20	
S. S. W.	2·0	S. S. W.	2·0	S. S. W.	2·0	S. S. W.	2·0	S. S. W.	2·0	S. S. W.	2·0	21	
S. E.	1·0	S.	1·0	S.	1·0	S. by W.	1·0	S. by W.	1·0	W. by S.	1·0	22	
N. N. W.	5·0	N. N. W.	5·0	W.	2·0	W.	5·0	N.W. by W.	7·0	W. by N.	7·0	23	
S. W. by W.	1·0	S. W.	0·5	S. W.	0·2	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	24	
S. by E.	0·5	S.	0·5	S.	0·5	S. E.	0·5	S. W. by S.	0·5	S. W.	0·5	25	
—	—	—	—	—	—	—	—	—	—	—	—	26	
E. by N.	2·0	E.	2·0	E.	2·0	E.	2·0	E.	2·0	E.	2·0	27	
N.	0·2	N.	0·2	N. E.	0·2	N. W. by N.	1·0	N. W.	2·0	N. by W.	1·0	28	
S. W.	0·5	S. W. by W.	0·5	S. W. by W.	0·5	S. W. by W.	0·5	S. W. by W.	0·5	S. W. by W.	0·5	29	
S. E. by E.	0·5	E.	0·2	E. S. E.	0·2	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	30	
E. by N.	7·0	E. by N.	10·0	E. N. E.	10·0	N. E. by E.	7·0	E. N. E.	7·0	N. E.	2·0	31	

18h.		19h.		20h.		21h.		22h.		23h.			
W.	0·5	W.	0·5	W.	0·5	—	0·0	—	0·0	W.	0·2	1	MARCH.
—	0·0	—	0·0	—	0·0	—	0·0	W. S. W.	0·2	—	0·0	2	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	3	
—	—	—	—	—	—	—	—	—	—	—	—	4	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0 0	5	
—	0·0	N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	6	
N. W.	0·5	N.	0·2	W.	0·2	—	0·0	—	0·0	—	0·0	7	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	8	
—	0·0	E. by N.	2·0	E. by N.	2·0	E. by N.	7·0	E. by N.	7·0	E. by N.	7·0	9	
—	0·0	N. W.	0·5	W. N. W.	0·5	W.	0·5	S. W.	0·5	S. W.	0·5	10	
—	—	—	—	—	—	—	—	—	—	—	—	11	
E. by S.	1·0	E. by S.	1·0	E. by S.	1·0	E.	0·5	E.	0·5	E.	0·5	12	
W.	1·0	W.	1·0	—	0·0	W.	1·0	W.	5·0	W.	5·0	13	
S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·2	—	0·0	S. W. by S.	0·5	S. W. by S.	0·2	14	
—	0·0	—	0·0	—	0·0	—	0 0	—	0·0	—	0·0	15	
N. W. by N.	2·0	N. N. W.	2·0	N. N. W.	2·0	N. N. W.	2 0	N. N. W.	2·0	N. N. W.	2·0	16	
W.	1·0	W.	0·5	W.	0·5	W.	0·2	W.	0·2	—	0·0	17	
—	—	—	—	—	—	—	—	—	—	—	—	18	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	20	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
S. W.	2·0	W.	2·0	W.	2·0	W.	2·0	N. N. W.	2·0	N. N. W.	2·0	22	
W. N. W.	1·0	W. N. W.	2·0	N. W.	2·0	W. N. W.	0·5	W. N. W.	0·2	N. N. W.	0·2	23	
S. S. W.	0·2	S. W.	0·2	—	0·0	S. S. W.	0·5	—	0·0	—	0·0	24	
—	—	—	—	—	—	—	—	—	—	—	—	25	
—	0·0	S. by W.	0·2	—	0·0	—	0·0	—	0·0	E. by S.	0·5	26	
E.	7·0	E.	10·0	E.	10·0	E.	10·0	E.	10·0	E.	10·0	27	
W.	10·0	W.	7·0	W. by S.	2·0	W. by S.	1·0	W. S. W.	0·5	—	0·0	28	
N. by E.	0·5	N.	0·5	N. by W.	0·5	N. by W.	0·2	N.	0·2	—	0·0	29	
E.	1·0	E.	1·0	E.	1·0	E. N. E.	1·0	E. N. E.	1·0	E. N. E.	7·0	30	
N. W. by N.	1·0	N. W. by N.	1·0	N. W. by N.	1·0	N. W.	0·5	N. W.	0·5	N. W.	0·5	31	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.		6h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
APRIL.	1	—	0·0	W. N. W.	0·5	W. by N.	0·5	N. W.	1·0	W. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5
	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2	S.	0·2	S.	0·2
	4	E. N. E.	0 5	E. N. E.	0·5	E. by N.	0·5	E. N. E.	0·5	E. by N.	0·5	E. by N.	1·0	E. by N.	1·0
	5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	6	—	0·0	—	0·0	N. W.	0·5	N. N. W.	1·0	N. N. W.	1·0	N. N. W.	0·5	N. W.	0·5
	7	N. W.	0·5	N. W.	0·5	N. W.	0·5	S. W. by S.	0·2	S. W. by S.	0·5	S. W. by S.	0·5	S. W.	0·5
	8	S. by W.	0·5	S. by W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. W. by W.	0·5	S. W. by W.	0·5	S. W. by W.	0·5
	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	N. W.	1·0	N. W. by N.	2·0	N. W. by N.	2·0	N. W. by W.	2·0	N. W. by W.	0·5	N. N. W.	0·5	N. N. W.	1·0
	11	—	0·0	—	0·0	—	0·0	—	0·0	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·5
	12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	13	—	0·0	—	0·0	S.	0·2	E. N. E.	0·2	E. N. E.	0·2	E. N. E.	0·2	—	0·0
	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	E. N. E.	0·5	E. by N.	0·5	N. by E.	0·5	N. E. by E.	0·5	E. by S.	1·0	E.	1·0	E.	0·5
	18	E.	7·0	E. N. E.	10·0	E. by N.	10·0	E. N. E.	7·0	E. N. E.	1·0	E. N. E.	1·0	E. N. E.	1·0
	19	N. E. by E.	1·0	N. E. by E.	1·0	N. E. by E.	1·0	E. N. E.	1·0	E. N. E.	0·5	E. by N.	0 5	E. N. E.	0·5
	20	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·5
	21	—	0 0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	22	—	0·0	E.	0·5	E. N. E.	1·0	E. N. E.	1·0	E. N. E.	1·0	E. N. E.	1·0	E. N. E.	1·0
	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	—	0·0	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·5	N W.	1·0	N. W.	1·0
	25	—	0·0	—	0·0	E.	0·5	E.	0·5	E.	0·5	E.	1·0	E.	1·0
	26	S. W.	0·2	S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	27	—	0·0	—	0·0	—	0·0	—	0·0	N.	0·5	N.	0·5	N. by W.	1·0
	28	S. W.	0·5	S. W.	0·5	S. W.	0·5	S. W.	1·0	S. W. by S.	1·0	S. W. by S.	0·5	S. W. by W.	1·0
	29	E.	1·0	E.	1·0	E.	1·0	E.	1·0	E.	1·0	E.	1·0	E.	1·0
	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mean Göttingen Time.		12h.		13h.		14h.		15h.		16h.		17h.		18h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
APRIL.	1	N. N. W	0·5	N. N. W.	0·5	—	0·0	—	0·0	—	0·0	W. by N.	0·5	—	—
	2	—	—	—	—	—	—	—	—	—	—	—	—	—	0·0
	3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	4	E. by N.	0·5	E. by N.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0,0
	5	N.	0·5	N.	0·5	N.	0·2	N.	0·2	—	0·0	—	0·0	N. W.	0·5
	6	W. N. W.	1·0	W. N. W.	0·5	N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	7	S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	—
	8	S. W. by W.	2·0	N. W.	2·0	W. by N.	0·2	W. by N.	0·2	—	0·0	—	0·0	N. W.	2·0
	9	—	—	—	—	—	—	—	—	—	—	—	—	N. W.	0·5
	10	N. N. W.	0·5	—	0·0	—	0·0	N. N. W.	0·2	N. W.	0·5	N. W.	0·5	—	0·0
	11	S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	12	S. E.	0·2	—	0 0	—	0·0	—	0·0	—	0·0	—	0·0	—	—
	13	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0 0	—	0·0
	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	—	0·0	—	0·0	—	0·0	N. E.	0·5	—	0·0	N.	3·0	N. by W.	2·0
	16	—	—	—	—	—	—	—	—	—	—	—	—	E. N. E.	0·5
	17	—	0·0	—	0·0	E.	0·5	—	0·5	—	0·0	—	0·0	E. by N.	1·0
	18	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·5	E. [illegible] E.	1·0	E N. E.	1·0	E. N. E.	1·0	—	0·0
	19	E. N. E.	0·5	E. N. E.	0·2	—	0 0	—	0·0	—	0·0	—	0·0	—	0·0
	20	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	21	E.	0·2	—	0 0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	22	S. E.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	—
	23	—	—	—	—	—	—	—	—	—	—	—	—	—	0·0
	24	W.	0·2	W.	1·0	N.	0·5	N.	0·2	N.	0·2	N.	0·2	N.	0·5
	25	E. by N.	0·5	E. N. E.	0·5	E. N. E.	1·0	E. by N.	1·0	E.	1·0	E. N. E.	0·5	E.	0·5
	26	—	0·0	N.	1·0	N.	1·0	N.	1·0	N.	0·2	—	0·0	—	0·0
	27	S. S. W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	28	N. W.	0·5	N. W.	0·5	N. N. W.	0·2	N. by W.	0·2	—	0·0	N.	0·2	N.	0·2
	29	E. by S.	0·5	E.	0·5	E.	1·0	E.	0·5	E.	0·5	E. by S.	1·0	—	0·0
	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—

DIRECTION AND FORCE OF THE WIND.

6h. Wind. Direction.	6h. Wind. Force.	7h. Wind. Direction.	7h. Wind. Force.	8h. Wind. Direction.	8h. Wind. Force.	9h. Wind. Direction.	9h. Wind. Force.	10h. Wind. Direction.	10h. Wind. Force.	11h. Wind. Direction.	11h. Wind. Force.	Mean Göttingen Time.	
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
N. N. W.	0·5	W. b. N.	0·5	W.	0·5	W.	0·5	W.	0·5	N. N. W.	0·5	1	APRIL.
—	—	—	—	—	—	—	—	—	—	—	—	2	
S.	0·2	S. E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	3	
E. by N.	1·0	E. by N.	1·0	E. by N.	1·0	E. N. E.	0·5	E. N. E.	0·2	E. by N.	0·5	4	
—	0·0	E. S. E.	0·2	E. by S.	0·2	E. by S.	0·2	E. by S.	0·5	E. by S.	0·5	5	
N. N. W.	0·5	S. W.	0·5	S. W.	0·5	S. W.	0·5	W.	0·5	W. by N.	1·0	6	
S. W.	0·5	S.	0·5	S. by E.	1·0	S.	2·0	S.	0·5	S.	0·5	7	
S. W. by W.	0·5	S. W. by W.	2·0	S. W.	1·0	S. W.	1·0	S. W.	1·0	N. W. by W.	2·0	8	
—	—	—	—	—	—	—	—	—	—	—	—	9	
N. N. W.	1·0	N. N. W.	1·0	N. N. W.	0·5	N. N. W.	0·5	N. by W.	0·5	N. N. W.	0·5	10	
S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·2	S. S. W.	0·2	S. by W.	0·2	11	
—	0·0	S.	0·2	—	0·0	S.	0·2	S. E. by S.	0·2	—	0·0	12	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	13	
—	—	—	—	—	—	—	—	—	—	—	—	14	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	15	
—	—	—	—	—	—	—	—	—	—	—	—	16	
E.	0·5	E.	0·5	E.	0·5	E.	0·5	E. N. E.	0·5	E.	0·5	17	
E. N. E.	1·0	N. E.	2·0	E. N. E.	2·0	E. N. E.	2·0	E. N. E.	1·0	—	0·0	18	
E. N. E.	0·5	E. by N.	0·5	E. by N.	0·5	E. N. E.	0·2	E. N. E.	0·5	E. N. E.	0·5	19	
S.	0·5	S.	0·5	S.	0·2	S.	0·2	S.	0·2	S.	0·2	20	
—	0·0	—	0·0	E.	0·2	E.	0·2	E.	0·2	E.	0·2	21	
E. N. E.	1·0	N. E. by N.	2·0	N. E. by E.	1·0	N. E. by E.	2·0	E. N. E.	1·0	E. N. E.	1·0	22	
—	—	—	—	—	—	—	—	—	—	—	—	23	
N. W.	1·0	N. W.	0·5	N. W.	0·2	W.	0·2	W.	0·2	W.	0·2	24	
E.	1·0	E.	1·0	E.	1·0	E. S. E.	1·0	E. S. E.	0·5	E. by S.	0·5	25	
—	0·0	—	0·0	—	0·0	S. W.	0·2	—	0·0	—	0·0	26	
N.	0·5	N. N. W.	0·5	N. N. W.	1·0	N. N. W.	1·0	N. N. W.	2·0	N. N. W.	0·5	27	
S. W. by S.	0·5	S. W. by W.	2·0	S. W.	2·0	S. W.	2·0	W.	1·0	N. W.	0·5	28	
E.	1·0	E. by S.	1·0	E. S. E.	1·0	E. by S.	1·0	E. by S.	1·0	E. by S.	1·0	29	
—	—	—	—	—	—	—	—	—	—	—	—	30	

17h. Wind. Direction.	17h. Wind. Force.	18h. Direction.	18h. Force.	19h. Direction.	19h. Force.	20h. Direction.	20h. Force.	21h. Direction.	21h. Force.	22h. Direction.	22h. Force.	23h. Direction.	23h. Force.		
W. by N.	0·5	—	—	—	—	—	—	—	—	—	—	—	—	1	APRIL.
—	—	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	2	
—	0·0	—	0·0	—	0·0	N. E.	0·2	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·5	3	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	4	
—	0·0	—	0.0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	5	
—	0·0	N. W.	0·5	N. W.	0·5	W. N. W.	0·5	W. N. W.	0·5	N. W.	0·5	—	0·0	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
—	0·0	—	—	—	—	—	—	—	—	—	—	—	—	8	
—	—	N. W.	2·0	N. W.	2·0	N. W.	2·0	N. N. W.	2·0	N. N. W.	2·0	N. W.	0·5	9	
N. W.	0·5	N. W.	0·5	—	0·0	—	0·0	—	0·0	N. W.	0·2	—	0·0	10	
—	0·0	—	0·0	—	0·0	S. S. W.	0·2	—	0·0	—	0·0	—	0·0	11	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	12	
—	0·0	—	—	—	—	—	—	—	—	—	—	—	—	13	
—	—	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	14	
N.	3·0	—	—	—	—	—	—	—	—	—	—	—	—	15	
—	—	N. by W.	2·0	N. by W.	1·0	N. by W.	0·5	N. by W.	0·2	N. by E.	0·5	E. N. E.	0·5	16	
—	0·0	E. N. E.	0·5	E. N. E.	1·0	E. N. E.	1·0	E. N. E.	1·0	E.	2·0	E.	7·0	17	
E. N. E.	1·0	E. by N.	1·0	E. N. E.	2·0	E. N. E.	1·0	E.	1·0	N. E. by E.	1·0	N. E. by E.	1·0	18	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	20	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
—	0·0	—	—	—	—	—	—	—	—	—	—	—	—	22	
—	—	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	23	
N.	0·2	N.	0·5	N.	0·5	N.	0·5	—	0·0	—	0·0	—	0·0	24	
E. N. E.	0·5	E.	0·5	E.	0·5	E.	0·5	E.	0·5	E.	0·5	S. W.	0·2	25	
—	0·0	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. N. W.	0·5	N. by W.	0·2	26	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	27	
N.	0·2	N.	0·2	N.	0·2	N.	0·2	—	0·0	—	0·0	E.	0·5	28	
E. by S.	1·0	—	—	—	—	—	—	—	—	—	—	—	—	29	
—	—	—	0·0	—	0·0	—	0·0	W.	0·2	W.	0·2	—	0·0	30	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h. Wind.		1h. Wind.		2h. Wind.		3h. Wind.		4h. Wind.		5h. Wind.		6h. Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
MAY.	1	—	0·0	S. W.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	S. W.	0·5	S. W.	0·5
	2	—	0·0	—	0·0	—	0·0	S. W.	0·2	S. S. W.	0·5	S. W	0·5	S. S. W.	0·5
	3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E.	0·5	E. by S.	0·5
	4	—	0·0	—	0·0	—	0·0	N. W. by N.	1·0	N. N. W.	1·0	N. by W.	2·0	N. by E.	2·0
	5	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	2·0	E. by N.	2·0	E. N. E.	2·0	E.	2·0	E. by N.	2·0
	6	N. N. E.	7·0	E. N. E.	2·0	E. N. E.	2·0	N. E.	2·0	E. N. E.	1·0	N. by E.	1·0	E. N. E.	1·0
	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	—	0·0	—	0·0	W.	0·5	W.	0·5	W.	0·5	W.	0·5	W. S. W.	0·5
	9	—	0·0	—	0·0	—	0·0	S. E.	0·2	S. E.	0·2	S. E.	0·2	S. E. by E.	0·2
	10	E. N. E.	2·0	E. N. E.	2·0	E. N. E.	7·0	E. N. E.	7·0	E. N. E.	7·0	E. by N.	2·0	E. by N.	2·0
	11	N. E.	0·2	N. E.	0·2	—	0·0	E. N. E.	0·2	E.	0·2	S. E.	0·2	S. E.	0·2
	12	—	0·0	N. E. by N.	0·2	N. E. by N.	0·2	S. by E.	0·2	S.	0·2	S.	0·2	S.	0·2
	13	—	0·0	—	0·0	S.	0·5	S.	0·5	—	0·0	S.	0·2	S.	0·2
	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	—	0·0	—	0·0	—	0·0	—	0·0	S. E.	0·2	S. by W.	1·0	S. W.	2·0
	16	W. by S.	0·5	W. by S.	1·0	W. by S.	2·0	W. by S.	2·0	W. by S.	2·0	W. by S.	2·0	W. S. W.	2·0
	17	N. W. by N.	0·5	N. W. by N.	0·5	N. W.	0·5	N. W.	0·5	W. S. W.	0·5	S. W.	0·5	N. by W.	0·5
	18	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. by E.	0·5	S. by E.	0·5
	19	—	0·0	—	0·0	—	0·0	—	0·0	S. E.	0·5	E. S. E.	0·5	E. by S.	0·5
	20	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. S. E.	0·5	S. S. E.	0·5
	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	23	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. by E.	0·5	S. by E.	0·5
	24	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W. by W.	1·0	N. W. by W.	0·5	S. W. by S.	0·5
	25	—	0·0	—	0·0	—	0·0	E. S. E.	0·5	S. E.	0·5	S. E.	0·5	S. E.	0·5
	26	E. by N.	0·5	E. by N.	0·5	E. by N.	0·5	E. by S.	1·0	E.	1·0	E. by S.	1·0	E.	1·0
	27	S. W.	1·0	S. W.	1·0	S. W.	0·5	W. S. W.	1·0	W. S. W.	0·5	W. S. W.	1·0	W. S. W.	0·5
	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	—	0·0	—	0·0	E.	0·5	E. by S.	0·5	S. E.	0·5	S. E.	0·5	S. E.	0·5
	30	—	0·0	—	0·0	—	0·0	S. E.	0·5	S. E.	0·5	S. E.	0·5	N. E.	0·5
	31	N.	0·0	N.	1·0	N. N. E.	0·5	N. by W.	0·5	N. by W.	0·5	N. N. W.	1·0	N. N. W.	0·5

Mean Göttingen Time.		12h. Wind.		13h. Wind.		14h. Wind.		15h. Wind.		16h. Wind.		17h. Wind.		18h. Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
MAY.	1	S. W. by S.	0·5	S. W. by S.	1·0	S. W. by S.	2·0	S. W. by S.	1·0	S. W.	0·5	W. by S.	1·0	W.	1·0
	2	S. W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	3	E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	4	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5	—	0·0	N.	0·5	N.	0·5
	5	E.	0·5	E.	0·5	E.	0·5	E.	0·5	E.	0·5	E.	2·0	E by N.	2·0
	6	E. by N.	1·0	E.	0·5	E.	0·5	E.	0·2	E.	0·5	E.	0·5	—	—
	7	—	—	—	—	—	—	—	—	—	—	—	—	W.	0·2
	8	N. N. W.	0·2	N. N. W.	0·5	N.	0·2	N.	0·2	—	0·0	—	0·0	—	0·0
	9	—	0·0	—	0·0	—	0·0	N. W.	0·2	N.	0·2	N. E.	0·2	E. N. E	0·2
	10	S. E.	0·5	S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	11	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	12	S. S. E.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	13	S.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	—
	14	—	—	—	—	—	—	—	—	—	—	—	—	N. W.	0·2
	15	W. S. W.	7·0	W. N. W.	2·0	W. by N.	2·0	W. by N.	2·0	W. by N.	2·0	W. by N.	2·0	W. by N.	1·0
	16	N. N. W.	2·0	N. N. W.	2·0	N.	2·0	N.	2·0	N. by W.	2·0	N. by W.	0·5	N. N. W.	0·5
	17	N. N. E.	0·2	N.	0·2	N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	18	S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0 0
	19	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	20	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	—
	21	—	—	—	—	—	—	—	—	—	—	—	—	—	0·0
	22	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	23	N. W.	2·0	N. W.	0·5	N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	24	N. N. E.	0·5	N. by E.	0·5	N. by E.	0·5	N.	0·2	N.	0·2	N.	0·2	N.	0·5
	25	E. by S.	0·2	E.	0·2	—	0·0	—	0·0	—	0·0	E. by S.	0·5	E.	1·0
	26	E.	0·5	E.	0·2	E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	27	W. N. W.	0·5	W. N. W.	0·2	N. W.	0·5	N. W	0·2	N. W	0·2	—	0·0	—	—
	28	—	—	—	—	—	—	—	—	—	—	—	—	N. N. E.	0·5
	29	—	0·0	—	0·0	—	0.0	—	0·0	—	0·0	—	0·0	—	0·0
	30	N. N. E.	1·0	N. W.	0·2	N. W.	0·2	N. N. W.	0·2	N. N. W.	0·5	N.	0·5	N.	0·5
	31	N.	0·5	N.	0·5	N.	0·5	N.	0·5	N. N. W.	0·5	N. N. W.	1·0	N. N. W.	1·0

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
S. W.	0·5	S. W.	2·0	W. by S.	0·5	W. by S.	1·0	S. W.	1·0	S. W. by S.	0·5	1	MAY.
S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	2	
E. by S.	0·5	E. by S.	0·5	E. by S.	0·5	E.	0·5	E.	0·5	E.	0·2	3	
N. by E.	2·0	N. by W.	2·0	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5	4	
E. by N.	2·0	E.	1·0	E.	0·5	E. N. E.	0·5	E. N. E.	0·5	E.	0·5	5	
E. N. E.	1·0	E. N. E.	1·0	N. E. by E.	0·5	N.E. by E.	0·5	N. E. by E.	0·5	E.	1·0	6	
—	—	—	—	—	—	—	—	—	—	—	—	7	
W. S. W.	0·5	W. S. W.	0·5	W. S. W.	0·2	S. W.	0·2	W. N. W.	0·2	N. N. W.	0·2	8	
S. E. by E.	0·2	S.	0·2	S.	0·2	S.	0·2	S.	0·2	—	0·0	9	
E. by N.	2·0	E. by N.	2·0	E. N. E.	1·0	E. N. E.	1·0	E. N. E.	1·0	E. N. E.	1·0	10	
S. E.	0·2	S. E.	0·2	S. S. E.	0·5	S. S. E.	0·5	S. S. E.	0·2	—	0·0	11	
S.	0·2	S.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	S. S. E.	0·5	12	
S.	0·2	S.	0·2	S.	0·2	S. E.	0·2	—	0·0	S.	0·5	13	
—	—	—	—	—	—	—	—	—	—	—	—	14	
S. by W.	1·0	S. W.	2·0	S. W.	2·0	S. W.	2·0	W. S. W.	2·0	W. S. W.	1·0	15	
W. by S.	2·0	W. by S.	2·0	W.	2·0	W. N. W.	2·0	W. by N.	2·0	W. N. W.	2·0	16	
S. W.	0·5	S.	0·5	S. by W.	0·5	S. by W.	0·5	S.	0·5	S.	0·2	17	
S. by E.	0·5	S.	0·5	S.	0·5	S.	0·5	S.	0·5	S.	0·5	18	
E. S. E.	0·5	S. E.	0·5	S. E.	0·5	S. E. by E.	0·5	S. E. by E.	0·5	—	0·0	19	
S. S. E.	0·5	S. S. E.	0·5	S. S. E.	0·5	S. S. E.	0·5	S. S. E.	0·5	S. S. E.	0·5	20	
—	—	—	—	—	—	—	—	—	—	—	—	21	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	22	
S. by E.	0·5	S. by E.	0·5	S. W.	1·0	W. by N.	1·0	W. N. W.	2·0	W. N. W.	2·0	23	
S. W. by S.	0·5	S. W. by S.	0·5	S. W.	0·5	S. W.	0·5	W. by S.	1·0	N. E. by N.	0·5	24	
S. E.	0·5	S. E.	0·5	S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	25	
E.	1·0	N. E.	0·5	—	0·0	E. by N.	0·5	E.	0·5	E.	0·5	26	
W. S. W.	0·5	S. W.	1·0	W. S. W.	1·0	W. S. W.	1·0	W.	1·0	W.	0·5	27	
—	—	—	—	—	—	—	—	—	—	—	—	28	
S. E.	0·5	S. E.	0·5	S E.	0·5	S. E.	0·2	S. E.	0·2	—	0·0	29	
N. E.	0·5	N. by E.	0·5	N. N. E.	1·0	N. N. E.	1·0	N. N. E.	1·0	N. N. E.	1·0	30	
N. N. W.	0·5	N.	0·5	N.	0·5	N. N. W.	0·5	N. by W.	0·5	N.	0·5	31	

18h.		19h.		20h.		21h.		22h.		23h.			
W.	1·0	W. S. W.	0·5	W. S. W.	0·5	W.	0·5	W.	0·5	—	0·0	1	MAY.
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	2	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	3	
N.	0·5	N.	0·5	N.	0·5	N.	0·5	N.	0·5	N. E. by E.	0·5	4	
E. by N.	2·0	N. N. E.	2·0	N. N. E.	2·0	N. N. E.	2·0	N. E.	2·0	N. by E.	1·0	5	
E.	0·5	—	—	—	—	—	—	—	—	—	—	6	
—	—	W.	0·2	W.	0·2	—	0·0	—	0·0	—	0·0	7	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	8	
N. E.	0·2	E. N. E	0·2	—	0·0	N. E.	0·5	E. N. E.	0·5	E. N. E.	1·0	9	
—	0·0	—	0·0	N. E.	0·5	E. N. E.	0·5	E. N. E.	1·0	E. N. E.	1·0	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	12	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	13	
—	—	—	—	—	—	—	—	—	—	—	—	14	
N. W.	0·2	—	0·0	S. E.	0·2	S. E.	0·2	S. S. E.	0·2	—	0·0	15	
W. by N.	2·0	W. by N.	1·0	W. by N.	1·0	W. S. W.	1·0	W. S. W.	1·0	W. by S.	1·0	16	
N. by W.	0·5	N. N. W.	0·2	N. N. W.	0·5	N. N. W.	0·5	N. W. by N.	0·5	N.W. by N.	0·5	17	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	18	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	20	
—	—	—	—	—	—	—	—	—	—	—	—	21	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	22	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	23	
—	0·0	—	0·0	—	0·0	N. W.	0·2	N. W.	0·5	N. W.	0·5	24	
N.	0·2	N.	0·5	—	0·0	—	0·0	N.	0·2	—	0·0	25	
E. by S.	0·5	E.	1·0	E.	2·0	E.	2·0	E. N. E.	1·0	E. by N.	0·5	26	
—	0·0	E.	2·0	E.	2·0	E.	2·0	—	0·0	S. W.	0·5	27	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28	
—	—	—	—	—	—	—	—	—	—	—	—	29	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	30	
N.	0·5	N.	0·5	N.	0·2	N. by E.	0·2	N. N. E.	0·2	N. N. E.	0·5	31	
N. N. W.	1·0	N. N. W.	0.5	N. N.W.	2·0	N.	2·0	N. by W.	0·5	N. by W.	0·5		

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.		6h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
JUNE.	1	N. by W.	0·5	N. by W.	1·0	N. by W.	1·0	N. N. W.	1·0	N. by W.	1·0	N. W.	1·0	N. W.	0·5
	2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. E. by S.	0·5
	3	—	0·0	—	0·0	N. by E.	1·0	N. by E.	2·0	N.	2·0	N. by W.	2·0	N. N. W.	2·0
	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	N. N. E.	0 2	E. N. E.	0·2	N. N. E.	0·2	N. N. E.	0·2	N. N. E.	0·2	N. E.	0·2	E. by N.	0·2
	6	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. by E.	0·5
	7	—	0·0	—	0·0	—	0·0	S. by E.	0·2	S. by E.	0·2	S. by E.	0·5	S. by E.	0·5
	8	—	0·0	E. by N.	0·5	E. by N.	0·5	E.	1·0	E.	0·2	E. by N.	0·2	E.	0·2
	9	—	0·0	—	0·0	—	0·0	—	0·0	S. W. by W.	0·2	S. W.	0·2	S. W.	0·2
	10	N. by W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	13	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. by E.	0·5	S	1·0
	14	S. W.	0·5	S. W.	0·5	S. W.	0·5	S. W.	1·0	W. S. W.	1·0	W. S. W.	1·0	W. S. W.	1·0
	15	—	0·0	—	0·0	—	0·0	S. W.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	S. W. by S.	0·5
	16	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	17	N. by W.	0·5	N. by W.	0·5	N.	0·5	N. N. E.	1·0	E.	0·2	S. E. by S.	0·2	S. S. E.	0·5
	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	—	0·0	—	0·0	—	0·0	—	0·0	E. S. E.	0·2	E. S. E.	0 2	E. S. E.	0·2
	20	—	0·0	—	0·0	—	0·0	—	0·0	E. S. E.	0·2	S. E.	0·2	S. E.	0·2
	21	—	0·0	—	0·0	—	0·0	S.	0·2	S.	0·2	S.	0·2	S.	0·2
	22	—	0·0	S.	0·2	S.	0·2	S.	0·5	S.	0·5	S.	0·5	S.	0·5
	23	S.	0·2	S.	0·2	S.	0·2	S.	1 0	S.	1·0	S.	1·0	S. S E.	1·0
	24	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2	S.	1·0	S.	0·5
	25	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	—	0·0	—	0·0	—	0·0	S.	0·2	—	0·0	—	0·0	—	0·0
	27	—	0·0	—	0·0	—	0·0	—	0·0	S. by E.	0·2	S. by E.	0·2	S. by E.	0·2
	28	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	29	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E. S. E.	0·2	E. S. E.	0·2
	30	—	0·0	N. N. W.	0·2	—	0·0	W. by S.	0·2	S. W.	0·2	W. S. W.	0·2	S. S. W.	0·2

Mean Göttingen Time.		12h.		13h.		14h.		15h.		16h.		17h.		18h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
JUNE.	1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	2	E.	1·0	E.	1·0	E.	1·0	E.	1·0	E.	1·0	E.	1·0	E.	0·
	3	N.	0·5	N.	0·2	N.	0·2	—	0·0	—	0·0	—	0·0	—	—
	4	—	—	—	—	—	—	—	—	—	—	—	—	N. N. E.	0·
	5	N. E.	0·5	N. E.	0·2	N. E.	0·5	N. N. E.	0·5	N. N. E.	0·5	N. N. E.	0·5	N.	0·
	6	S.	0·2	S. W.	0·2	S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·
	7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·
	8	E.	1·0	E.	0·5	E.	0·5	E. by S.	0·2	E. by S.	0·2	E. by S.	0·5	S. E.	0·
	9	N.	1·0	N.	0·5	N.	0·5	N.	1·0	N.	1·0	N. by W.	0·5	N. N. W.	0·
	10	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	—
	11	—	—	—	—	—	—	—	—	—	—	—	—	—	0·
	12	E. S. E.	0·2	E. S. E.	0·5	E.	0·2	E.	0·2	—	0·0	—	0·0	E.	0·
	13	S. S. W.	0·5	—	0·0	W. S. W.	2·0	W. S. W.	0·5	—	0·0	—	0·0	—	0·
	14	W. N. W.	1·0	W. by N.	0·5	W. by N.	0·5	W. N. W.	1·0	W. N. W.	1·0	W. N. W.	1·0	N. W.	1·
	15	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·
	16	S. S. W.	0·2	N. N. W.	0·5	—	0·0	N. N. W.	0·5	N.	1·0	N.	1·0	N.	0·
	17	S. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	N	0·2	—	—
	18	—	—	—	—	—	—	—	—	—	—	—	—	—	0·
	19	S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·
	20	S.	1·0	S.	0·2	S.	0·2	S. E.	0·2	S.	0·2	—	0·0	—	0·
	21	S.	0·5	S.	0·5	S.	0·2	—	0·0	—	0·0	—	0·0	S.	0·
	22	S.	0·5	S.	0·2	S.	0·2	S.	0·2	—	0·0	—	0·0	—	0·
	23	S. by E.	0·2	S. by E.	1·0	S. by E.	0·5	—	0·0	—	0·0	—	0·0	—	0·
	24	W. N. W.	0·5	W. N. W.	0·2	—	0·0	—	0·0	N. W.	0·2	—	0·0	—	0·
	25	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	S. by E.	0·5	S. by E.	0·5	S. by E.	0·2	—	0·0	—	0·0	—	0·0	—	0·
	27	S. by W.	1·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·
	28	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·
	29	N. N. W.	1·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·
	30	S. S. W.	0·5	—	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·

DIRECTION AND FORCE OF THE WIND.

6h. Wind. Direction.	6h. Wind. Force.	7h. Wind. Direction.	7h. Wind. Force.	8h. Wind. Direction.	8h. Wind. Force.	9h. Wind. Direction.	9h. Wind. Force.	10h. Wind. Direction.	10h. Wind. Force.	11h. Wind. Direction.	11h. Wind. Force.	Mean Göttingen Time.	
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
N. W.	0·5	N. W.	1·0	N. W.	1·0	W. N. W.	0·5	W.	0·5	W.	0·2	1	
S. E. by S.	0·5	E. by S.	0·5	E. S. E.	1·0	E. N. E.	1·0	E.	1·0	E.	1·0	2	
N. N. W.	2·0	N.	1·0	N.	1·0	N.	1·0	N. N. W.	0·5	N. N. W.	0·5	3	
—	—	—	—	—	—	—	—	—	—	—	—	4	
E. by N.	0·2	E.	0·2	E. N. E.	0·2	E. N. E.	0·2	N. E.	0·5	N. E.	0·5	5	
S. by E.	0·5	S. by E.	0·5	S. by E.	0·5	S. by E.	0·5	S. by E.	0·2	S.	0·2	6	
S. by E.	0·5	S.	0·5	S.	0·2	S.	0·2	S.	0·2	—	0·0	7	
E.	0·2	E.	0·2	E.	0·5	E.	0·5	E.	0·5	E. by N.	0·5	8	
S. W.	0·2	S. S. W.	0·5	W. by S.	1·0	S. by W.	0·5	—	0·0	N. W.	0·5	9	
—	0·0	S.	0 2	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	10	
—	—	—	—	—	—	—	—	—	—	—	—	11	
—	0·0	S. W.	0·5	S.	0·2	S.	1·2	S. S. E.	0·2	E. S. E.	0·2	12	
S	1·0	S. S. W.	1·0	S. S. W.	1·0	S. S. W.	1·0	S. S. W.	1·0	—	0·0	13	
W. S. W.	1·0	W. S. W.	1·0	W. N. W.	1·0	W. by N.	1 0	W. N. W.	1·0	W. N. W.	2·0	14	
S. W. by S.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S.	0·2	15	JUNE.
—	0·0	S.	0·2	S. S. W.	0·5	S. S. W.	0·2	—	0·0	—	0·0	16	
S. S. E.	0·5	S.	0·5	S.	0·5	S.	0·5	S. S. E.	0·5	S. S. E.	0·2	17	
—	—	—	—	—	—	—	—	—	—	—	—	18	
E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·5	S. E.	0·5	S. E.	0·5	19	
S. E.	0·2	S. E.	0·2	S. E.	0·5	S.	0·5	S.	0·5	S.	1·0	20	
S.	0·2	S.	0·2	S.	0·2	S.	0·2	S.	0·5	S.	0·5	21	
S.	0·5	S.	0·5	S.	0·5	S.	0·5	S.	0·5	S.	0·5	22	
S. S E.	1·0	S. S. E.	0·5	S. by E.	0·5	S. by E.	0·2	S. by E.	0·2	S. by E.	0·2	23	
S.	0·5	W.	1·0	W.	0·5	S. W.	0·5	W. N. W.	0·5	W. N. W.	0·5	24	
—	—	—	—	—	—	—	—	—	—	—	—	25	
—	0·0	—	0·0	S.	0·2	S.	0·2	S. by E.	0·2	S. by E.	0·2	26	
S. by E.	0·2	S. by E.	0·5	S. by E.	0·5	S. by E.	0·5	S. by W.	0·5	S. by W.	1·0	27	
—	0·0	S.	0·2	S.	0·2	S.	0·2	E. S. E.	0·5	E. S. E.	0·5	28	
E. S. E.	0·2	S.	0·2	S. E.	0·2	W. S. W.	0·5	W. by S.	2·0	N. N. W.	2·0	29	
S. S. W.	0·2	S. S. W.	0·2	S. S. W.	1·0	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	30	

18h.		19h.		20h.		21h.		22h.		23h.		
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1
E.	0·5	E.	0·5	E.	0·2	—	0·0	—	0·0	—	0·0	2
—	—	—	—	—	—	—	—	—	—	—	—	3
N. N. E.	0·2	N. N. E.	0·2	N. N. E.	0·2	N. N. E.	0·2	N. N. E.	0·2	N. N. E.	0·2	4
N.	0·2	N.	0·2	N.	0·2	N. E.	0·2	N. E.	0·2	—	0·0	5
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	6
—	0·0	N.	0·2	N.	0·2	N.	0·2	—	0·0	—	0·0	7
S. E.	0·5	N.	0 2	—	0·0	—	0·0	—	0·0	—	0·0	8
N. N. W.	0·5	—	0·0	—	0·0	N. by W.	2·0	N. by W.	0·5	—	0·0	9
—	—	—	—	—	—	—	—	—	—	—	—	10
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11
E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	12
—	0·0	—	0·0	—	0·0	—	0·0	S. W.	0·2	—	0·0	13
N. W.	1·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0 0	14
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	15
N.	0·5	N. N. W.	1·0	N. N. W.	1·0	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	16
—	—	—	—	—	—	—	—	—	—	—	—	17
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	18
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0 0	20
S.	0·5	S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	21
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	22
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	23
—	—	—	—	—	—	—	—	—	—	—	—	24
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	25
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	26
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	27
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	29
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	30

DIRECTION AND FORCE OF THE WIND.

	Mean Göttingen Time.	0h.		1h.		2h.		3h.		4h.		5h.		6h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
JULY.	1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2	S.	0·2
	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	N. W.	0·2	—	0·0	W.	0·5	S. W.	0·5	S. W.	0·5	S. S. W.	0·1	S. W.	0·5
	4	—	0·0	—	0·0	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	0·5	S. W. by S.	2·0	S. W. by S.	2·0
	5	N. N. W.	0·5	N. by E.	0·5	N. by E.	0·5	N.	0·5	E. S. E.	0·5	S. S. E.	1·0	S. S. E.	1·0
	6	—	0·0	—	0·0	S.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	1·0	S. S. W.	0·5
	7	—	0·0	—	0·0	—	0·0	S.	0·2	S. by W.	0·5	W. N. W.	2·0	W. N. W.	10·0
	8	—	0·0	N. W.	0·5	W. N. W.	0·5	W.	1·0	W.	2·0	W.	2·0	W. N. W.	10·0
	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	—	0·0	—	0·0	N. E.	0·2	N. E.	0·2	S. W.	0·2	S. W.	0·2	S. W.	0·2
	11	—	0·0	—	0·0	—	0·0	E. by S.	0·2	—	0·0	S.	0·5	S. E.	0·5
	12	—	0·0	—	0·0	—	0·0	—	0·0	N. E.	0·2	E. by S.	0·2	E. S. E.	0·2
	13	—	0·0	—	0·0	—	0·0	—	0·0	S. E.	0·2	S. E.	0·2	S. E.	0·2
	14	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2	S.	0·2
	15	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. N. E.	0·2
	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. W.	0·5
	18	—	0·0	W. N. W.	0·5	W. N. W.	0·5	W. N. W.	0·5	S. W. by W.	0·5	S. W.	1·0	S. W.	1·0
	19	N.	0·5	N.	1·0	N.	2·0	N.	1·0	N.	1·0	N. by W.	1·0	N.	1·0
	20	—	0·0	N. by E.	0·2	N.	0·2	N.	0·2	N.	0·2	S. E.	0·5	S. E.	1·0
	21	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·5	S.	0·5
	22	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·5	S.	0·5
	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	—	0·0	—	0·0	W.	0·5	S. by W.	0·5	N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5
	25	—	0·0	—	0·0	—	0·0	S. W.	0·2	S. W.	0·5	S. W.	0·5	S. W.	0·5
	26	—	0·0	—	0·0	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·2	S. S. W.	0·5
	27	—	0·0	—	0·0	—	0·0	S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	E.	0·2
	28	—	0·0	—	0·0	—	0·0	E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	S. E.	0·5
	29	W. N. W.	0·5	N. W.	0·5	N. W.	1·0	N. W.	0·5	N. by W.	0·5	N. by W.	0·3	N. N. W.	0·5
	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	—	0·0	—	0·0	—	0·0	—	0·0	W.	0·2	S. W.	0·3	S. W.	0·5

		12h.		13h.		14h.		15h.		16h.		17h.		18h.	
JULY.	1	S. S. W.	0·5	S. S. W.	1·0	S. S. W.	1·0	S. S. W.	0·5	—	0·0	—	0·0	—	—
	2	—	—	—	—	—	—	—	—	—	—	—	—	—	0·0
	3	S. W. by W.	0·5	S. W. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	4	—	0·0	N.	1·0	N.	0·5	N.	1·0	N. N. W.	1·0	N. N. W.	1·0	N. N. W.	0·5
	5	S. by E.	0·5	S. by E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	6	S. S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	7	N. W.	3·0	N. W.	1·0	N. W. by W.	0·5	N. W.	2·0	N. W. by W.	0·5	—	0·0	—	0·0
	8	N. W.	3·0	N. W.	0·5	N. W.	0·5	N. W.	0·2	—	0·0	—	0·0	—	—
	9	—	—	—	—	—	—	—	—	—	—	—	—	—	0·0
	10	N.	1·0	N. W.	1·0	N. W.	1·0	N. W.	1·0	N.	0·5	N.	0·5	N.	0·5
	11	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	12	S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	13	S. E.	0·5	E. S. E.	0·2	E.	0·2	E.	0·5	E.	0·2	—	0·0	—	0·0
	14	E.	0·2	N. N. E.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	15	S.	0·2	S.	0·2	S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	W. N. W.	1·0	—	0·0	W. N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	18	W.	2·0	—	0·0	N. W.	0·2	W.	0·2	W.	0·2	—	0·0	—	0·0
	19	N. by E.	0·5	N.	0·2	N.	0·5	N.	0·5	N.	0·5	N.	1·0	N.	1·0
	20	S.	0·2	S.	0·2	S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	21	S.	1·0	S.	1·0	S.	0·2	S.	0·2	—	0·0	—	0·0	—	0·0
	22	S. by E.	1·0	S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	N. N. W.	0·5	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·5	N. N. W.	0·2	N. N. W.	0·3	N. N. W.	0·5
	25	S. W.	0·5	S. W.	0·2	S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	26	N.	2·0	N. W.	0·5	S. W.	1·0	—	0·0	—	0·0	—	0·0	—	0·0
	27	E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E.	0·2
	28	W. S. W.	2·0	S. W.	0·2	S. W.	0·2	S. W.	0·2	—	0·0	—	0·0	—	0·0
	29	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·2	S. by E.	0·2
	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	—	0·0	—	0·0	S. W.	0·2	S. W.	0·2	—	0·0	—	0·0	—	0·0

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
S.	0·2	S.	0·2	S.	0·2	S	0·5	S.	1·0	S. S. W.	1·0	1	JULY.
—	—	—	—	—	—	—	—	—	—	—	—	2	
S. W.	0·5	S. S. W.	0·5	S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	3	
S. W. by S.	2·0	S. W.	2·0	S. W.	2·0	S. W.	2·0	S. W.	0·5	S. W.	0·5	4	
S. S. E.	1·0	S. S. E.	1·0	S. by E.	0·5	S. by E.	0·5	S. by E.	0·5	S. by E.	0·5	5	
S. S. W.	0·5	S. S. W.	0·5	S. S. W.	1·0	S. S. W.	1·0	S. S. W.	1·0	S. S. W.	0·5	6	
W. N. W.	10·0	W. N. W.	7·0	W. N. W.	7·0	W. N. W.	3·0	W. N. W.	3·0	W. N. W.	3·0	7	
W. N. W.	10·0	N. W.	2·0	N. W. by W.	2·0	W. by N.	2·0	W. N. W.	3·0	N. W.	3·0	8	
—	—	—	—	—	—	—	—	—	—	—	—	9	
S. W.	0·2	S. S. W.	0·5	S. S. W.	2·0	S. S. W.	2·0	S. S. W.	2·0	N.	2·0	10	
S. E.	0·5	S. S. E.	0·5	S. S. E.	0·5	S. S. E.	0·5	S. S. E.	0·5	—	0·0	11	
E. S. E.	0·2	E. S. E.	0·2	S. E.	0·2	S. E. by E.	0·2	S. E.	0·2	S. E.	0·2	12	
S. E.	0·2	S. E.	0·5	S. E.	0·5	S. E.	0·5	S. E.	0·5	S. E.	0·5	13	
S.	0·2	S.	0·2	S.	0·2	S. E.	0·2	E.	0·2	E.	0·2	14	
N. N. E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	S. E.	0·2	S. E.	0·2	15	
—	—	—	—	—	—	—	—	—	—	—	—	16	
S. W.	0·5	S.W.	0·5	S. W.	0·5	—	0·0	S. W.	2·0	S. W.	0·5	17	
S. W.	1·0	S. W.	1·0	S. W. by W.	2·0	S. W. by W.	2·0	S. W. by W.	2·0	W.	2·0	18	
N.	1·0	N.	1·0	N.	1·0	N.	0·5	N. by E.	1·0	N. N. E.	0·5	19	
S. E.	1·0	S.	2·0	S.	1·0	S.	1·0	S.	0·5	S.	0·5	20	
S.	0·5	S.	2·0	S.	2·0	S.	2·0	S.	1·0	S.	1·0	21	
S.	0·5	S.	1·0	S.	1·0	S.	1·0	S by E..	1·0	S. by E.	1·0	22	
—	—	—	—	—	—	—	—	—	—	—	—	23	
N. N. W.	0·5	N. N. W.	0·5	N. N. W.	1·0	N. N. W.	1·0	N. N. W.	1·0	N. N. W.	1·0	24	
S. W.	0·5	S. W.	0·5	S. W.	0·5	S. W.	0·5	S. S. W.	0·5	S . W.	0·2	25	
S. S. W.	0·5	S. S. W.	0·2	S. S. W.	0·5	S.	1·0	S. by W.	2·0	S. by W.	2·0	26	
E.	0·2	E. by S.	0·5	E.	1·0	E. by S.	1·0	E. by N.	0·5	E.	0·5	27	
S. E.	0·5	S. S. W.	1·0	S. S. W.	2·0	S. S. W.	2·0	S. W.	2·0	S. W.	2·0	28	
N. N. W.	0·5	N. N. W.	0·5	N. by W.	0·5	N.	0·2	N. by W.	0·2	N. by W.	0·2	29	
—	—	—	—	—	—	—	—	—	—	—	—	30	
S. W.	0·5	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	31	

18h.		19h.		20h.		21h.		22h.		23h.			
—	—	—	—	—	—	—	—	—	—	—	—	1	JULY.
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	2	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	3	
N. N. W.	0·5	N. W.	0·5	—	0·0	—	0·0	—	0·0	N.W. by N.	0·5	4	
—	0·0	—	0·0	—	0·0	N.	0·2	—	0·0	—	0·0	5	
—	0·0	—	0·0	—	0·0	—	0·0	S. S. W.	0·5	—	0·0	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
—	—	—	—	—	—	—	—	—	—	—	—	8	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	9	
N.	0·5	N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11	
—	0·0	—	0·0	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·2	—	0·0	12	
—	0·0	—	0·0	—	0·0	—	0·0	—	0 0	—	0·0	13	
—	0·0	—	0·0	—	0·0	N.	0·2	—	0·0	—	0·0	14	
—	—	—	—	—	—	—	—	—	—	—	—	15	
—	0·0	N. E.	0·2	N.	0·5	N.	0·5	—	0·0	E.	0·5	16	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	17	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. N. W.	0·5	18	
N.	0·5	—	0·0	—	0·0	—	0·0	N. N. W.	0·2	N. N. W.	0·2	19	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	20	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
—	—	—	—	—	—	—	—	—	—	—	—	22	
—	0·0	—	0·0	—	0·0	W.	0·2	—	0·0	—	0·0	23	
N. N. W.	0·5	N. N. W.	0·2	N. N. W.	0·5	—	0·0	—	0·0	N.	0·2	24	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	25	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	26	
E.	0·2	E. N. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	27	
—	0·0	—	0·0	N. W.	0·5	N. W.	0·5	N. W.	0·5	W. by N.	0·5	28	
—	—	—	—	—	—	—	—	—	—	—	—	29	
S. by E.	0·2	S. by E.	0·2	—	0·0	S. by E.	0·2	S. by E.	0·2	—	0·0	30	
—	0·0	—	0·0	—	0·0	—	0·0	N. N E.	0·2	—	0·0	31	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.		6h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
AUGUST.	1	—	0·0	—	0·0	—	0·0	S. S. E.	0·5	E. S. E.	0·5	E. S. E.	0·2	S. E. by E.	0·2
	2	—	0·0	—	0·0	—	0·0	—	0·0	S. E.	0·5	S. E. by S.	0·2	S.	0·2
	3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. S. E.	0·2	S. S. E.	0·2
	4	—	0·0	—	0·0	—	0·0	E.	0·2	E. S. E.	0·2	E. by S.	0·2	E.	0·2
	5	—	0·0	—	0·0	—	0·0	E. by N.	0·2	—	0·0	—	0·0	E. by S.	0·2
	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. S. E.	0·2
	8	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2
	9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2	S.	0·2
	10	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2
	11	N. N. E.	0·5	N. N. E.	0·5	N. N. E.	0·5	N. by E.	0·5	N. by E.	0·2	S. E.	0·2	S. E.	0·2
	12	—	0·0	S. E. by S.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	N. N. W.	0·2	N. N. W.	0·2
	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	15	—	0·0	—	0·0	N. W.	0·2	W. by N.	0·2	W. by N.	0·2	—	0·0	W. N. W.	0·2
	16	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. W.	0·2	S. S. W.	0·2
	17	—	0·0	—	0·0	—	0·0	S.	0·2	S.	0·2	S.	0·2	S.	0·2
	18	—	0·0	—	0·0	—	0·0	—	0·0	S. W. by S.	0·2	—	0·0	S. W. by S.	0·2
	19	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	W. by S.	0·2	S. by W.	0·2
	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	—	0·0	E.	0·2	E.	0·2	E.	0·2	E	0·5	E. by S.	0·5	S. E. by E.	0·2
	22	—	0·0	E. by N.	0·2	E. by N.	0·2	N. E. by E.	0·2	N. E. by E.	0·2	E. S. E.	0·2	E. S. E.	0·2
	23	—	0·0	—	0·0	—	0·0	E. N. E.	0·2	N. E. by N.	0·2	S. E.	0·2	S. E. by S.	0·2
	24	—	0·0	—	0·0	—	0·0	—	0·0	S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2
	25	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. S. E.	0·2	—	0·0
	26	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2	S.	0·2
	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	—	0·0	—	0·0	—	0·0	—	0·0	N. by W.	0·2	N. E.	0·2	E.	0·2
	29	—	0·0	—	0·0	—	0·0	N. E.	0·2	E. N. E.	0·2	E. N. E.	0·2	E. by N.	0·2
	30	—	0.0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	31	—	0.0	—	0·0	—	0·0	W. N. W.	0·2	W. N. W.	0·2	W. S. W.	0·5	W. S. W.	0·5

Mean Göttingen Time.		12h.		13h.		14h.		15h.		16h.		17h.		18h.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
AUGUST.	1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	2	S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	3	—	0·0	—	0·0	—	0·0	S by E.	0·2	S. by E.	0·2	S. S. E.	0·2	S. S. E.	0·2
	4	E. by N.	0·5	—	0·0	E. by N.	0·2	E. by N.	0·2	E. by N.	0·2	—	0·0	—	0·0
	5	E. N. E.	0·2	E. N. E.	0·2	E. by N.	0·2	—	0·0	—	0·0	—	0·0	—	—
	6	—	—	—	—	—	—	—	—	—	—	—	—	—	0·0
	7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	8	—	0·0	—	0·0	—	0·0	S.	0·2	S.	0·2	—	0·0	S.	0·2
	9	—	0·0	—	0·0	—	0·0	S.	0·2	—	0·0	S.	0·2	S.	0·2
	10	E. N. E.	0·2	—	0·0	E. N. E.	0·2	E. N. E.	0·2	E. N.E.	0·2	E. N. E.	0·2	N. E.	0·2
	11	—	0·0	—	0·0	N. E.	0·2	N. E.	0·2	—	0·0	—	0·0	—	0·0
	12	—	0·0	—	0·0	S. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	13	—	—	—	—	—	—	—	—	—	—	—	—	—	0·0
	14	N. W. by N.	0·5	N. W. by N.	0·2	W. by N.	0·2	—	0·0	W. by N.	0·2	W. by N.	0·5	W. by N.	0·5
	15	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	16	S. S. E.	0·5	S. by E.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	17	S. W. by S.	0·2	S. W. by S.	0·2	S.W. by S.	0·2	S. W. by S.	0·2	—	0·0	—	0·0	—	0·0
	18	—	0·0	N. by W.	0·5	N. N. W.	1·0	N. N. W.	0·5	N. N. W.	1·0	N. N. W.	1·0	—	0·0
	19	—	0·0	S. by W.	0·2	—	0·0	—	0·0	W. N. W.	0·2	N. N. W.	0·2	—	—
	20	—	—	—	—	—	—	—	—	—	—	—	—	—	0·0
	21	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	22	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	23	E.	0·2	—	0·0	S. E.	0·2	—	0·0	S. S. E.	0·5	S. S. E.	0·5	S.S.E.	0·2
	24	—	0·0	—	0·0	—	0·0	S. by E.	0·2	—	0·0	—	0·0	—	0·0
	25	E. by S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	26	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	—
	27	—	—	—	—	—	—	—	—	—	—	—	—	N.	0·2
	28	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E.	0·2
	29	E. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	30	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	31	S. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0

DIRECTION AND FORCE OF THE WIND.

5h. Wind. Direction.	5h. Force.	6h. Wind. Direction.	6h. Force.	7h. Wind. Direction.	7h. Force.	8h. Wind. Direction.	8h. Force.	9h. Wind. Direction.	9h. Force.	10h. Wind. Direction.	10h. Force.	11h. Wind. Direction.	11h. Force.	Mean Göttingen Time.	
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
E. S. E.	0·2	S. E. by E.	0·2	S.	0·2	S. E.	0·2	S. E.	0·2	S. E. by S.	0·2	S. E. by S.	0·2	1	AUGUST.
S. E. by S.	0·2	S.	0·2	S. S. E.	0·5	S. S. E.	0·2	S. S. E.	0·2	S.	0·2	S.	0·2	2	
S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2	3	
E. by S.	0·2	E.	0·2	E. by S.	0·5	E. S. E.	0·5	E. by S.	0·5	E.	0·2	E. by N.	0·5	4	
—	0·0	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	E.	0·2	E.	0·5	E.	0·5	5	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	6	
—	0·0	S. S. E.	0·2	S. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	7	
—	0·0	S.	0·2	S.	0·5	S.	0·5	S.	0·2	S.	0·2	—	0·0	8	
S.	0·2	S.	0·2	S.	0·5	S.	0·2	S.	0·2	S.	0·2	S.	0·2	9	
—	0·0	S.	0·2	S.	0·2	S.	0·2	S.	0·2	S. S. E.	0·5	E. by N.	0·2	10	
S. E.	0·2	S. E.	0·2	S. E. by S.	0·5	S. E. by S.	0·5	S. E. by S.	0·5	S. E. by S.	0·2	S.	0·2	11	
N. N. W.	0·2	S. W.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	12	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	13	
—	0·0	W. S. W.	0·2	W. S. W.	0·5	N. N. W.	0·5	N. W. by N.	0·5	N. W. by N.	0·5	N. W. by N.	1·0	14	
—	0·0	W. S. W.	0·2	W. S. W.	0·2	S. W. by W.	0·2	S. W. by S.	0·2	—	0·0			15	
S. W.	0·2	S. S. W.	0·2	S. S. E.	0·2	S. S. E.	0·5	S. S. E.	0·5	S. S. E.	0·5	S. S. E.	0·2	16	
S.	0·2	S.	0·2	S. W. by S.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	S. W. by S.	0·2	17	
—	0·0	S. W. by S.	0·2	S. W. by S.	0·2	S. W. by S.	0·2	S. W. by S.	0·2	S. W. by S.	0·2	—	0·0	18	
W. by S.	0·2	S. by W.	0·2	—	0·0	S. by W.	0·2	S. by W.	0·2	S. by W.	0·2	S. by W.	0·2	19	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	20	
E. by S.	0·3	S. E. by E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	21	
E. S. E.	0·2	E. S. E.	0·2	S. by E.	0·2	S. E. by S.	0·2	S. E. by S.	0·2	S. E.	0·2	—	0·0	22	
S. E.	0·2	S. E. by E.	0·2	S. E. by S.	0·5	S. S. E.	0·5	S. S. E.	0·5	S. S. E.	0·2	S.	0·2	23	
S. S. E.	0·2	S. S. E.	0·2	S.	0·2	S.	0·2	S.	0·2	S.	0·2	S. by E.	0·2	24	
S. S. E.	0·2	—	0·0	S. S. E.	0·2	—	0·0	E. S. E.	0·2	E. by S.	0·5	E by S.	0·5	25	
S.	0·2	S.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	—	0·0	26	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	27	
N. E.	0·2	E.	0·2	E. by S.	0·2	E. S. E.	0·2	S. E. by E.	0·2	—	0·0	—	0·0	28	
E. N. E.	0·2	E. by N.	0·2	E.	0·5	E.	0·2	E.	0·2	E.	0·2	E. S. E.	0·2	29	
—	0·0	—	0·0	E. S. E.	0·0	S.	0·2	—	0·0	—	0·0	—	0·0	30	
W. S. W.	0·3	W. S. W.	0·5	W. S. W.	0·5	S. by W.	1·0	S. by W.	1·0	S. by W.	0·5	S. by W.	0·2	31	

17h.		18h.		19h.		20h.		21h.		22h.		23h.			
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1	AUGUST.
—	0·0	—	0·0	—	0·0	S. S. E.	0·2	—	0·0	—	0·0	—	0·0	2	
S. S. E.	0·2	S. S. E.	0·2	—	0·0	—	0·0	N. E.	0·2	—	0·0	S. S. E.	0·2	3	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	4	
—	0·0	—	—	—	—	—	—	—	—	—	—	—	—	5	
—	—	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
—	0·0	S.	0·2	—	0·0	—	0·0	S.	0·2	—	0·0	—	0·0	8	
S.	0·2	S.	0·2	S.	0·2	S. by E.	0·2	—	0·0	—	0·0	—	0·0	9	
E. N. E.	0·2	N. E.	0·2	N. E.	0·5	N. E.	0·5	N. N. E.	1·0	N. N. E.	0·5	N. N. E.	0·5	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11	
—	0·0	—	—	—	—	—	—	—	—	—	—	—	—	12	
—	—	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	13	
W. by N.	0·3	W. by N.	0·5	W. by N.	0·2	W. by N.	0·2	W. by N.	0·5	W. by N.	0·2	—	0·0	14	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	15	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	16	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	17	
N. N. W.	1·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	18	
N. N. W.	0·2	—	—	—	—	—	—	—	—	—	—	—	—	19	
—	—	—	0·0	S. by E.	0·2	S. by E.	0·2	S. by E.	0·2	S. by E.	0·2	—	0·0	20	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E. N. E.	0·2	—	0·0	21	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	22	
S. S. E.	0·5	S. S. E.	0·2	S. S. E.	0·2	—	0·0	—	0·0	S. S. E.	0·2	—	0·0	23	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	24	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	25	
—	0·0	—	—	—	—	—	—	—	—	—	—	—	—	26	
—	—	N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	27	
—	0·0	E.	0·2	—	0·0	—	0·0	S. E. by E.	0·2	N. E. by E.	0·2	—	0·0	28	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E. S. E.	0·2	—	0·0	29	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	30	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	31	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
SEPTEMBER.	1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2
	2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	W. by S.	0·0
	5	—	0·0	—	0·0	N. E. by E.	0·2	E. N. E.	0·2	E. N. E.	0·2	E. by S.	0·2
	6	—	0·0	—	0·0	—	0·0	N. E. by E.	0·2	N. E. by E.	0·2	E.	0·2
	7	E. N. E.	0·2	E. N. E.	0·2	E. by N.	0·5	E.	0·5	E.	0·2	E. by N.	0·2
	8	—	0·0	—	0·0	—	0·0	—	0·0	S. E.	0·2	S. E. by S.	0·2
	9	N. W.	0·5	N. W.	0·2	N W.	0·2	N. W.	0·5	W. N. W.	2·0	W. N. W.	1·0
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	0·0	N. E. by N.	0·2	N. E. by N	0·2	N. E.	0·2	N. E.	0·2	N. E. by E.	0·2
	12	—	0·0	—	0·0	N. E. by E.	0·2	N. E. by E.	0·2	E. by N.	0·2	E. by N.	0·2
	13	E. by S	0·2	E. by S.	0·2	E.	3·0	E. S. E.	3·0	E.	3·0	E.	3·0
	14	E. S. E.	2·0	S. E. by E.	3·0	E. S. E.	3·0	E. S. E.	3·0	E. by S.	3·0	E. by S.	3·0
	15	E. N. E.	2 0	E. by N.	2·0	E. by N.	5·0	E. by N.	2·0	E.	2·0	E.	2·0
	16	S. W. by S.	0·2	—	0·0	S. W. by S.	1·0	S. W. by S.	1·0	S. W.	2·0	S. W.	2·0
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	—	0·0	—	0·0	N.	1·0	N. by E	1·0	N. by E.	0·2	N. N. E.	0·2
	19	—	0·0	—	0·0	—	0·0	E. by S.	0·2	E. by S.	0·2	E. S. E.	0·2
	20	—	0·0	E.	0·2	E.	0·2	E.	0·5	E.	0·5	E.	0·2
	21	—	0·0	—	0·0	—	0·0	S. S. W.	0·5	S. S. W.	1·0	S. S. W.	2·0
	22	—	0·0	—	0·0	N. E.	0·2	N. E. by E.	1·0	E. N. E.	0·2	E. N. E.	0·2
	23	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	—	0·0	—	0·0	N E.	0·2	N. E. by E.	0·2	N. E. by E.	0·2	N. E. by E.	0·2
	26	N.	0·2	N.	0·5	N.	2·0	N.	2·0	N. N. W.	2·0	N. N. E.	0·5
	27	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N.	0·2	N. W.	0·2	N.	0·2
	28	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	29	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. W.	0·2
	30	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. S. W.	0·2
October	1	—	—	—	—	—	—	—	—	—	—	—	—

Mean Göttingen Time.		12h.		13h.		14h.		15h.		16h.		17h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
SEPTEMBER.	1	S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	N.	0·5	N.	0·5	N.	0·5	N.	0·2	—	0·0	—	0·0
	5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	6	E. by N.	0·2	E. by N.	0·2	E. by N.	0·2	E. by N.	0·5	E. by N.	0·5	E. by N.	0·5
	7	E. by N.	0·5	E.	0·5	E.	0·5	E.	0·5	E.	0·2	—	0·0
	8	N. W.	0·5	N. W.	1·0	N. W.	2·0	N. W.	2·0	N. W.	2·0	N. W. by N.	2·0
	9	W. N. W.	1·0	W. N. W.	1·0	W. N. W.	1·0	W. N. W.	0·5	W. N. W.	0·2	W. N. W.	0·2
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	0·0	—	0·0	—	0·0	—	0·0	N. E. by E.	0·2	N. E. by E.	0·2
	12	—	0·0	—	0·0	—	0·0	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2
	13	E.	3·0	E. by S.	3·0	S. E. by E.	2·0	S. E. by E.	2·0	E. S. E.	1·0	S. E. by E.	1·0
	14	E.	2·0	E. by S.	2·0	E. by S.	2·0	E. by S.	3·0	E.	3·0	E. by S.	2·0
	15	S. S. W.	1·0	S. S. W.	0·5	S. S. W.	0·2	S. by W.	0·5	S. by W.	0·5	S. by W.	3·0
	16	S. S. W.	2·0	S. S. W.	1·0	—	0·0	—	0·0	—	0·0	—	0·0
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	—	0·0	N. E. by N.	0·2	N. E.	0·5	N. E.	0·2	N. E.	0·2	—	0·0
	19	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	20	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	21	N. W.	3·0	N. by W.	5·0	N. by W.	1·0	N. by W.	1·0	N. by W.	1·0	N. by W.	0·1
	22	E. N. E.	0·2	E. N. E.	0·2	E. by N.	0·5	E. by N.	0·2	—	0·0	—	0·0
	23	—	0·0	—	0·0	S. E.	0·2	—	0·0	—	0·0	—	0·0
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	N. N. W.	0·5	N. N. W.	1·0
	26	N. by W.	0·5	N. by W.	0·2	—	0·0	N. E. by N.	0·2	N. N. E.	0·2	N. N. E.	0·2
	27	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. by W.	0·2
	28	N. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	29	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	30	E.	0·2	E.	2 0	N. E. by E.	3·0	N. E. by E.	3·0	N. E. by E.	3·0	N. E. by E.	3·0
October	1	—	—	—	—	—	—	—	—	—	—	—	—

DIRECTION AND FORCE OF THE WIND

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
S.	0·2	S.	0·2	S.	0·2	S.	0·2	—	0·0	S. E.	0·2	1	SEPTEMBER.
S.	0·2	S. by W.	0·5	S.	0·2	S.	0·2	S.	0·2	—	0·0	2	
—	—	—	—	—	—	—	—	—	—	—	—	3	
W. by S.	0·2	S. S. W.	0·2	S. S. W.	0·2	W.	0·2	N. W.	0·2	N. by W.	0·5	4	
E. S. E.	1·0	E. S. E.	0·5	E. S. E.	0·5	E. by S.	0·5	E. by S.	0·5	E. by S.	0·2	5	
E. N. E.	0·2	E. by N.	0·2	E.	0·2	E. by N.	0·2	E. by N.	0·2	—	0·0	6	
E. by S.	1·0	E.	1·0	E.	2·0	E.	1·0	E.	1·0	E. by N.	0·5	7	
S. E. by S.	0·2	S. E. by S.	0·2	S. E. by S.	0·2	S. W. by S.	0·5	W.	0·5	N. W.	2·0	8	
W. N. W.	1·0	N.W. by W.	1·0	W.	1·0	W. by N.	1·0	W. by N.	1·0	W. by N.	0·5	9	
—	—	—	—	—	—	—	—	—	—	—	—	10	
E. S. E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	11	
E.	0·2	E.	0·2	E. by S.	0·5	E. by S.	0·5	E. S. E.	0·2	E. S. E	0·2	12	
E.	7·0	E by S.	7·0	E.	6·0	E. by S.	5·0	E.	3·0	E.	3·0	13	
E. S. E.	3·0	E. S. E.	3·0	E. S. E.	3·0	E. by S.	2·0	E.	2·0	E by N.	2·0	14	
E. S. E.	0·5	S. S. E.	0·2	S. S. E.	0·2	S. by E.	0·5	S. by W.	1·0	S. S. W.	1·0	15	
S. W.	2·0	S. W.	2·0	S. S. W.	3·0	S. S. W.	3·0	S. S. W.	3·0	S. S. W.	3·0	16	
—	—	—	—	—	—	—	—	—	—	—	—	17	
N. N. E.	0·2	N. by E.	0·2	N. by E.	0·2	N. E. by N.	0·2	N. E. by N.	0·2	N. E. by N.	0·2	18	
E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·5	E. by S.	0·5	E. S. E.	0·2	—	0·0	19	
—	0·0	—	0·0	E.	0·2	E.	0·2	E.	0·2	E.	0·2	20	
S. W.	2·0	W. by S.	5·0	W.	5·0	W.	5·0	W. by N.	5·0	N. N. W.	2·0	21	
E. by N.	0·2	E. N. E.	0·2	E. N. E.	0·2	N. E. by E.	0·2	N. E. by E.	0·2	E. N. E.	0·2	22	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	23	
—	—	—	—	—	—	—	—	—	—	—	—	24	
N. E. by E.	0·2	N. E. by E.	0·2	N. E. by E.	0·2	N. E. by E.	0·2	N. N. E.	0·2	N.	0·2	25	
N.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. by W.	0·5	N. by W.	0·5	26	
N. N. W.	0·2	N.W. by N.	0·2	N.	0·2	N. W. by N.	0·2	N. W. by N.	0·2	N. N. W.	0·2	27	
—	0·0	N. N. W.	0·2	N. N. W.	0·2	S. W.	0·2	S.W.	0·2	S. W.	0·2	28	
S. W.	0·2	S. W.	0·2	S. W.	0·2	S. W.	0·2	S. W.	0·2	S. W.	0·2	29	
S. by E.	0·2	E.	0·5	E. by N.	0·5	E. N. E.	0·5	E.	0·5	N. E. by E.	0·2	30	
—	—	—	—	—	—	—	—	—	—	—	—	1 October.	

18h.		19h.		20h.		21h.		22h.		23h.			
S. by W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1	SEPTEMBER.
—	—	—	—	—	—	—	—	—	—	—	—	2	
W. S. W.	0.5	W. S. W.	0·2	—	0·0	—	0.0	—	0·0	—	0·0	3	
N.	0·5	—	0·0	—	0·0	N.	0·2	N.	0·5	—	0·0	4	
—	0·0	—	0·0	E.	0·2	E. by N.	0·5	E. by N.	0·5	—	0·0	5	
E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·5	E N. E.	0·2	6	
—	0·0	—	0·0	—	0·0	—	0·0	E. by S.	0·2	—	0·0	7	
N. W.	1·0	N. W.	1·0	N. W.	1·0	N. W.	1·0	N. W.	1·0	N. W.	1·0	8	
—	—	—	—	—	—	—	—	—	—	—	—	9	
N. E. by E.	0·5	N. E. by E.	0·2	N. E. by E	0·2	N. E. by. E.	0·2	N. E. by E.	0·2	—	0·0	10	
N. E. by E.	0·2	N. E. by E.	0·2	N. E. by E.	0·2	N. E. by E.	0·2	N.E. by E.	0·2	—	0·0	11	
—	0·0	—	0·0	E. S. E.	0·2	E. by S.	0·5	E. by S.	0·2	E. by S.	0·2	12	
E. S. E.	1·0	E. S. E.	0·5	E. by S.	0·5	E. by S.	0·2	—	0·0	—	0·0	13	
E. by S.	2·0	E.	2·0	E.	2·0	E.	2·0	E.	2·0	E.	2·0	14	
S. by W.	2·0	S. by W.	2·0	S. by W.	0 5	S. by W.	0·5	S. by W.	0·2	S. W. by S.	0·2	15	
—	—	—	—	—	—	—	—	—	—	—	—	16	
S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	—	0·0	17	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	18	
E. by N.	0·2	E.	0·2	E.	0·2	E.	0·2	E.	0·5	—	0·0	19	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	20	
N.	0·2	—	0·0	—	0·0	N.	0·2	N.	0·2	—	0·0	21	
E. N. E.	0·2	E. N. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	22	
—	—	—	—	—	—	—	—	—	—	—	—	23	
N. E. by E.	0·5	N. E. by E.	0·2	—	0·0	—	0·0	N E. by E.	0·2	—	0·0	24	
N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	25	
N. by E.	0·5	N by E.	0·5	N by E.	0·2	N. by E.	0 2	N.	0·2	N. by E.	0·2	26	
N.	0·2	N. . . by N.	0·2	N.W. by N.	0·2	—	0·0	N. W. by N.	0·2	—	0·0	27	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	29	
—	—	—	—	—	—	—	—	—	—	—	—	30	
S. by W.	2·0	S. S. W.	5·0	S. S. W.	1·0	S. W. by S.	0·5	S. W.	0·2	S. W.	0·0	1 October.	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
OCTOBER.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	S. W.	0·2	S. W.	0·5	S. W.	0·5	S. W.	2·0	S. W.	2·0	S. W.	2·0
	3	—	0·0	—	0·0	S. W.	0·5	S. W. by S.	2·0	S. W.	3·0	S. W by S.	5·0
	4	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	0·5	W. by N.	0·5	W. N. W.	0·5	W. by N.	0·5
	5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	6	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. W.	0·2
	7	—	0·0	—	0·0	—	0·0	E. by N.	0·2	E. N. E.	0·2	E. N. E.	0·5
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	10	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	11	—	0·0	—	0·0	—	0·0	S. by E.	0·2	—	0·0	—	0·0
	12	—	0·0	—	0·0	S. S. W.	0·2	N. W.	0·5	W. N. W.	0·5	W. N. W.	1·0
	13	—	0·0	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2
	14	—	0·0	—	0·0	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·2
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N.	0·2
	17	S. W. by S.	0·5	S. W. by S	0·5	S. W. by S.	0·5	S. W. by S.	1·0	S. W. by S.	2·0	S. W.	5·0
	18	S. W. by W.	0·2	S. W. by W.	0·2	S. W by W.	0·2	S. W. by W.	0·2	S. W. by W.	0·2	S. W. by W.	0·5
	19	—	0·0	—	0·0	S. W. by S.	0·2	S. W. by W.	0·5	W.	0·5	W.	0·5
	20	—	0·0	—	0·0	—	0·0	—	0·0	S. W.	0·2	S. W.	0·5
	21	N. by E.	5·0	N.	2·0	N.	2·0	N.	2·0	N. by W.	1·0	N. by W.	1·0
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. by W.	0·2
	24	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	25	—	0·0	—	0·0	—	0·0	S. S. W.	0·2	S. S. W.	0·2	S. W.	2·0
	26	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	27	N. E. by E.	2·0	N. E. by E.	2·0	N. E. by N.	5·0	N. E. by N.	5·0	N. E. by N.	2·0	N. E. by N.	1·0
	28	—	0·0	N. W. by W.	0·2	N.W. by W.	0·2	N.W. by W.	0·2	—	0·0	—	0·0
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	S. W.	1·0	S. W.	1·0	S. W.	0·2	—	0·0	S. W.	0·2	S. W.	0·5
	31	—	0·0	—	0·0	—	0·0	W.	0·2	W.	0·2	W.	0·2

Mean Göttingen Time.		12h.		13h.		14h.		15h.		16h.		17h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
OCTOBER.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	S. W.	0·2	S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	3	W. S. W.	0·5	W. S. W.	0·2	W. S. W.	0·2	W. by S.	0·2	W. by S.	0·2	W. by S.	0·2
	4	W. by N.	2·0	W. by N.	1·0	W. N. W.	0·5	—	0·0	—	0·0	—	0·0
	5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	6	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	7	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·5	W. by N.	0·5	W. by N.	0·5	W. by N.	0·2
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	10	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	11	—	0·0	—	0·0	—	0·0	S.	0·2	—	0·0	—	0·0
	12	N. W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	13	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·2	—	0·0	—	0·0
	14	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. W. by S.	0·2
	17	S. W. by W.	1·0	S. W. by W.	2·0	S. W. by W.	2·0	S. W. by W.	2·0	S. W. by W.	1·0	S. W. by W.	1·0
	18	W. S. W.	0·2	—	0·0	—	0·0	S. W. by W.	0·2	—	0·0	—	0·0
	19	—	0·0	W. S. W.	0·2	W. S. W.	0·2	—	0·0	—	0·0	—	0·0
	20	S. W. by S.	2·0	S. W. by S.	0·5	S. W. by S.	2·0	S. W. by S.	1·0	S. W. by S.	2·0	S. W. by S.	3·0
	21	N. by W.	2·0	N. by W.	0·5	N. by W	0·5	N. N. W.	0·2	N. N. W.	0·2	—	0·0
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	—	0·0	—	0·0	—	0·0	S. S. W.	0·2	—	0·0	—	0·0
	24	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	25	W. N. W.	2·0	W. N. W.	1·0	W. N. W.	0·5	—	0·0	—	0·0	—	0·0
	26	—	0·0	S. E. by S.	0·5	S. E. by E.	1·0	S. E. by E.	1·0	S. E. by E.	1·0	S. E. by E.	1·0
	27	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	28	S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·5	S. S. E.	1·0	S. S. E.	1·0
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	W. by N.	0·5	W. by N.	0·2	W. by N.	0·5	W. by N.	0·5	W.	0·5	W. by S.	0·5
	31	S. W. by W.	0·2	S.W. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0

DIRECTION AND FORCE OF THE WIND.

6h. Wind. Direction.	6h. Force.	7h. Wind. Direction.	7h. Force.	8h. Wind. Direction.	8h. Force.	9h. Wind. Direction.	9h. Force.	10h. Wind. Direction.	10h. Force.	11h. Wind. Direction.	11h. Force.	Mean Göttingen Time.	
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
—	—	—	—	—	—	—	—	—	—	—	—	1	
S. W.	2·0	S. W.	3·0	S. W.	3·0	S. W.	3·0	S. W.	3·0	S. W.	0·2	2	
W. S. W.	7·0	W. S. W.	7·0	W.	10·0	W. S. W.	7·0	W. S. W.	7·0	W. S. W.	5·0	3	
W. S. W.	2·0	W. S. W.	2·0	W. S. W.	1·0	W.	2·0	W.	2·0	W. by N.	2·0	4	
W. S. W.	0·2	S. W.	0·2	S. by W.	0·2	S. by W.	0·2	S.	0·2	—	0·0	5	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	6	
E. N. E.	0·5	N. E. by E.	1·0	E. N. E.	0·5	E. N. E.	0·2	E. N. E.	0·2	E. N. E.	0·2	7	
—	—	—	—	—	—	—	—	—	—	—	—	8	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	9	
—	0·0	S.	0·2	S.	0·2	S.	0·2	—	0·0	—	0·0	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11	
S. W. by W.	1·0	W. by S.	1·0	W. N. W.	2·0	N. W.	2·0	N. W.	1·0	N. W.	1·0	12	
N. E. by N.	0·2	N. E. by N.	0·2	N. N. E.	0·5	N. by W.	0·2	N. by W.	0·2	N. W.	0·2	13	
N. W.	0·2	S. W. by W.	0·2	S. W.	0·2	S. W.	0·2	—	0·0	—	0·0	14	
—	—	—	—	—	—	—	—	—	—	—	—	15	
S. W. by S.	0·2	S. W. by S.	0·2	S. W. by S.	1·0	S. W. by S.	0·2	S. W. by S.	0·2	—	0·0	16	OCTOBER.
W. S. W.	5·0	W. S. W.	2·0	W. S. W.	2·0	S. W.	3·0	S. W.	2·0	S. W. by W.	2·0	17	
S. W.	2·0	S. W.	1·0	S. W.	0·2	S. W. by W.	1·0	S. W. by W.	1·0	W. S. W.	0·5	18	
W. S. W.	0·5	S. W. by S.	0·2	W. by S.	0·5	S. W.	0·5	S. W.	0·5	W. S. W.	0·2	19	
S. W.	2·0	S. S. W.	2·0	S. W. by S.	2·0	S. W. by S.	2·0	S. W. by S.	2·0	S. W. by S.	2·0	20	
N. by W.	1·0	N. by W.	3·0	N. by W.	3·0	N.	2·0	N. by W.	1·0	N. by W.	1·0	21	
—	—	—	—	—	—	—	—	—	—	—	—	22	
S. by W.	0·2	S. S. W.	0·2	S. S. W.	0·5	S. by W.	0·2	S. by W.	0·2	—	0·0	23	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	24	
W. by N.	5·0	W. by N.	7·0	W. N. W.	7·0	W. N. W.	5·0	W. N. W.	3·0	W. N. W.	3·0	25	
S. by E.	0·2	S.	0·2	S. by E.	0·2	S. by E.	0·2	S. S. E.	0·2	S. S. E.	0·2	26	
N. E. by N.	0·2	N. E. by N.	0·2	N. E. by N	0·2	—	0·0	—	0·0	—	0·0	27	
—	0·0	—	0·0	S. W. by S.	0·2	S. W. by S.	0·2	S by E..	0·2	S. S. E.	0·2	28	
—	—	—	—	—	—	—	—	—	—	—	—	29	
W. S. W.	0·5	W.	2·0	W. by S.	1·0	W. N. W.	1·0	W. N. W.	1·0	W. N. W.	0·5	30	
S. W.	0·2	W.	0·2	W.	0·2	S. W. by W.	0·2	S. W. by W.	0·2	S. W. by W.	0·2	31	

18h.		19h.		20h.		21h.		22h.		23h.			
—	—	—	—	—	—	—	—	—	—	—	—	1	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	2	
W. by S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	3	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	4	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	5	
W. S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	6	
—	—	—	—	—	—	—	—	—	—	—	—	7	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	8	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	9	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	10	
S.	0·2	S	0·2	—	0·0	—	0·0	—	0·0	—	0·0	11	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	12	
—	0·0	—	0·0	—	0·0	—	0·0	N. W.	0·2	—	0·0	13	
—	—	—	—	—	—	—	—	—	—	—	—	14	
E. by N.	0·2	E. by N.	0·2	E. by N.	0·2	E. N. E.	0·2	E. N. E.	0·2	—	0·0	15	
S. W. by S.	0·5	S. W. by S.	0·2	S. W. by S.	1·0	S. W. by S.	1·0	S. W. by S.	1·0	S. W. by S.	1·0	16	OCTOBER.
S. W. by W.	0·5	S. W. by W.	0·5	S. W. by W.	0·5	S. W. by W.	0·5	S. W. by W.	0·5	S. W by W.	0·5	17	
—	0·0	S. W. by W.	0·2	S. W. by W.	0·2	—	0·0	—	0·0	—	0·0	18	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
S. W. by S.	2·0	S. W. by S.	2·0	S. W. by S.	2·0	S. W. by S.	2·0	S. W. by S.	2·0	S. W. by S.	2·0	20	
—	—	—	—	—	—	—	—	—	—	—	—	21	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	22	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	23	
N. N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	24	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	25	
E. S. E.	1·0	E. by S.	1·0	E.	1·0	E.	1·0	E.	1·0	E. by N.	1·0	26	
—	0·0	—	0·0	N. E. by N.	0·5	—	0·0	—	0·0	—	0·0	27	
—	—	—	—	—	—	—	—	—	—	—	—	28	
S. W.	0·5	S. W.	0·5	S. W.	0·5	S. W.	0·5	S. W.	0·2	S. W.	1·0	29	
W.	1·0	W.	1·0	W.	1·0	W.	0·5	W.	0·2	W.	0·2	30	
—	0·0	—	0·0	S. S. E.	0·5	S. S. E.	2·0	S. S. E.	2·0	S. S. E.	2·0	31	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
NOVEMBER.	1	S. S. E.	2·0	S. by E.	2·0	S. by E.	2·0	S. by E.	5·0	S. by E.	5·0	S. by E.	3·0
	2	—	0·0	—	0·0	—	0·0	W. by S.	0·2	S. by W.	1·0	S. S. W.	0·5
	3	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·5	N. W.	0·5	N. W.	0·5
	4	—	0·0	—	0·0	N. by E.	0·2	N. E. by N.	0·2	—	0·0	—	0·0
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	—	0·0	—	0·0	—	0·0	—	0·0	N.	0·2	N.	0·2
	7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	8	—	0·0	N. W.	0·5	N. N. W.	2·0	N. N. W.	2·0	N.	0·5	N.	0·5
	9	—	0·0	—	0·0	—	0·0	N. E.	0·2	E. N. E.	0·2	E. S. E.	0·5
	10	E. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2
	11	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	W.	0·5	W.	0·5	W.	0·5	W.	0·2	W.	0·2	W.	2·0
	14	N. W. by W.	0·2	N. W. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	15	S. E. by E.	0·5	S. E. by E.	0·5	S. E. by E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2
	16	—	0·0	—	0 0	—	0·0	—	0·0	—	0·0	—	0·0
	17	—	0·0	—	0 0	—	0·0	—	0·0	N.	0·2	E. N. E.	0·5
	18	S. W.	5·0	S. W.	5·0	S. W.	3·0	W. S. W.	5·0	W.	7·0	W.	5 0
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	—	0·0	—	0·0	—	0·0	—	0·0	S. W.	0·2	—	0·0
	21	S.	5·0	S.	2·0	S.	0·5	S.	0·5	S. W.	0·5	S. W.	0·5
	22	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	1·0	W. S. W.	2·0	W. S. W.	2·0	W. S. W.	2·0
	23	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E. by S.	0·2
	24	S. S. W.	1·0	S. W.	2·0	W. by S.	5·0	W.	5·0	W.	2·0	W.	2·0
	25	—	0 0	W.	0·2	W.	0·2	W.	0·2	W.	0·2	W.	0·5
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2
	28	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	29	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	30	N. by W.	0·2	—	0·0	—	0 0	—	0·0	—	0·0	—	0·0

Mean Göttingen Time.		12h.		13h.		14h.		15h.		16h.		17h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
NOVEMBER.	1	S. by W.	1 0	S. by W.	1·0	S. by W.	1·0	S. by W.	0·5	S. by W.	1·0	S. by W.	1·0
	2	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	W.	0·5	W. N. W.	0·5	W. N. W.	0·5
	3	N. W.	0·2	N. W.	0·2	N. W.	0·2	—	0·0	N. W.	0·2	N. W.	0·2
	4	N. E.	0·5	N. E.	0·5	N. E.	0·5	N. E.	0·2	N. E.	0·2	N. E.	1·0
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	7	—	0·0	N. N. W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0
	8	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	—	0·0	—	0·0
	9	E. by S.	1·0	E. S. E.	1·0	E. S. E.	1·0	E. S. E.	1·0	E. S. E.	0·5	E. S. E.	1·0
	10	—	0·0	S. W.	0·2	—	0·0	S. W.	0·2	—	0·0	—	0·0
	11	W. N. W.	1·0	—	0·0	—	0·0	N. W.	0·2	N. W.	0·2	N. W. by N.	0·2
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	N. W.	0·2	N. W.	0·5	W. N. W.	0·5	N. W.	1·0	N. W.	1·0	N. W. by W.	1·0
	14	S.	0·2	—	0·0	S. E. by S.	0·2	S. E.	0·5	S. E.	1·0	S. E.	0·5
	15	E. S. E.	0·2	E. S. E.	0·2	S. E. by E.	0·2	—	0·0	—	0·0	—	0·0
	16	N.	0·2	N.	0·5	—	0·0	—	0·0	—	0·0	—	0·0
	17	E.	7·0	E.	10·0	E.	5·0	E.	2·0	E.	2·0	E.	2·0
	18	W. by S.	0·5	W. by S.	0·5	W. by S.	0·2	W. by S.	0·2	W. by S.	0·5	W. by S.	0·2
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	E.	1·0	E.	1·0	E.	2·0	E.	2·0	E. by S.	2·0	S. E.	1·0
	21	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	1·0	W. by S.	2·0
	22	W.	0·5	W.	1·0	—	0·0	—	0·0	—	0·0	—	0·0
	23	E. by N.	0 2	E. by N.	0·5	E. by N.	0·2	E.	0·2	E.	0·2	—	0·0
	24	W.	0·2	W.	0·2	W.	0·2	W.	0·2	W.	0·2	—	0·0
	25	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	28	S. W.	0·2	S. W.	0·2	S. W. by W.	0·2	S. W. by W.	0·2	S. W. by W.	0·2	—	0·0
	29	W. N. W.	0·2	N. W.	0·5	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·2
	30	—	0·0	—	0·0	E. by S.	0·2	—	0·0	—	0·0	—	0·0

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
S. by E.	2·0	S. by E.	1·0	S. S. E.	0·5	S. S. E.	0·2	S. by E.	0·2	S.	1·0	1	NOVEMBER.
S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·2	S. S. W.	0·5	S. S. W.	0·2	S. S. W.	0·5	2	
N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·2	3	
—	0·0	N.	0·2	N. by E.	0·5	N. by E.	0·5	N. E.	0·5	N. E.	0·5	4	
—	—	—	—	—	—	—	—	—	—	—	—	5	
N.	0·5	N.	0·2	N.	0·2	N.	0·2	N.	0·5	N.	0·2	6	
—	0·0	N. by W.	0·2	N. by W.	0·2	W.	0·2	W.	0·2	W.	0·2	7	
N.	0·5	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5	N. by W.	0·2	8	
S. E. by E.	0·5	S. E. by E.	0·5	S. E. by E.	0·5	S. E. by E.	1·0	E. S. E.	1·0	E. by S.	1·0	9	
S.	0·2	S.	0·5	S.	0·5	S. by W.	0·5	S. E. by E.	0·5	S. W.	0·5	10	
—	0·0	—	0·0	S. W.	0·2	W. N. W.	1·0	W. N. W.	1·0	W. N. W.	1·0	11	
—	—	—	—	—	—	—	—	—	—	—	—	12	
W.	2·0	W.	3·0	W.	5·0	W. N. W.	7·0	N. W.	5·0	N. W.	1·0	13	
—	0·0	S.	0·5	S.	0·2	S.	0·2	S.	0·2	S	0·2	14	
S. E. by E.	0·2	S. E. by E.	1·0	E. S. E.	0·5	S. E. by E.	0·5	E. S. E.	0·2	E. S. E.	0·2	15	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. E. by E.	0·2	16	
E.	0·5	E.	3·0	E. N. E.	3·0	E.	5·0	E.	7·0	E.	10·0	17	
W.	5·0	W. by N.	5·0	W.	3·0	W.	3·0	W. by S.	3·0	W. by S.	1·0	18	
—	—	—	—	—	—	—	—	—	—	—	—	19	
—	0·0	—	0·0	—	0·0	S. S. E.	0·2	S. S. E.	0·2	E. S. E.	0·2	20	
S. W. by W.	0·5	S. W. by W.	1·0	S. W.	1·0	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	0·5	21	
W. by S.	2·0	W. by S.	2·0	W.	2·0	W.	1·0	W.	1·0	W.	0·5	22	
E.	0·2	E. by N.	0·2	E.	0·2	E. by N.	0·2	E.	0·5	E. by N.	0·5	23	
W.	2·0	W.	2·0	W. S. W.	2·0	W. by S.	1·0	W. by S.	1·0	W. N. W.	0·5	24	
W.	0·5	W.	0·2	S. S. W.	0·5	S. S. W.	0·2	S. S. W.	0·5	—	0·0	25	
—	—	—	—	—	—	—	—	—	—	—	—	26	
N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	—	0·0	27	
N. N. W.	0·2	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2	S. W.	0·2	28	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	29	
—	0·0	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	30	

18h.		19h.		20h.		21h.		22h.		23h.			
S. by W.	0·5	S. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	1	NOVEMBER.
W. N. W.	0·5	W. N. W.	2·0	W. N. W.	1·0	N. W.	0·5	N. W.	1·0	N. W.	0·5	2	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	3	
—	—	—	—	—	—	—	—	—	—	—	—	4	
N.	0·2	N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	5	
N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	6	
—	0·0	N. N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·5	7	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	8	
E. S. E.	0·5	E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·5	E. S. E.	0·2	E. S. E.	0·2	9	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	10	
—	—	—	—	—	—	—	—	—	—	—	—	11	
W.	0·5	—	0·0	—	0·0	W.	0·2	W.	0·5	W.	0·5	12	
N. W. by W.	1·0	N. W. by W.	0·2	N. W. by W.	0·2	N. W. by W.	0·2	N. W. by W.	0·2	N. W. by W.	0·2	13	
S. E. by E.	0·5	S. E. by E.	0·5	S. E. by E.	0·5	S. E. by E.	0·5	S. E. by E.	0·5	S. E. by E.	0·5	14	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	15	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	16	
E.	1·0	E.	0·5	S. W.	0·5	S. W.	3·0	S. W.	2·0	S. W.	3·0	17	
—	—	—	—	—	—	—	—	—	—	—	—	18	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
S. E. by S.	1·0	S. S. E.	1·0	S. S. E.	0·5	S. S. E.	1·0	S. by E.	2·0	S	5·0	20	
W. by S.	2·0	S. W. by W.	2·0	S. W. by W.	3·0	S. W. by W.	1·0	S. W. by W.	0·5	W. S. W.	0·2	21	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	22	
—	0·0	—	0·0	—	0·0	—	0·0	S. S. W.	0·5	S. W. by S.	0·5	23	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	24	
—	—	—	—	—	—	—	—	—	—	—	—	25	
N. by W.	1·0	N.	2·0	N.	1·0	N. by E.	0·5	N. by E.	1·0	N. by E.	0·5	26	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	27	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28	
—	0·0	—	0·0	—	0·0	N. N. W.	1·0	N. by W.	0·2	—	0·0	29	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	30	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
DECEMBER.	1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	2	—	0·0	—	0·0	—	0·0	W. by S.	0·2	W. by S.	0·2	W. by N.	0·2
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	S. W.	0·5	S. W.	0·5	S. W.	0·5	S. W.	1·0	S. W.	1·0	S. W.	1·0
	5	N. W. by N.	1·0	N.W. by N.	0·5	N. W. by N.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. by E.	0·2
	6	—	0·0	—	0·0	S. W. by S.	0·2	—	0·0	S. by E.	0·2	S.	0·2
	7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	8	—	0·0	—	0·0	S. S. W.	0·5	S. W. by S.	0·5	S. W. by S.	0·2	S. W. by S.	0·2
	9	S. W. by S.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	S. W.	0·5	S. W.	0·5
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	0·0	—	0·0	S. S. W.	0·5	S. W. by W.	0·5	W. by N.	0·5	W.	1·0
	12	N. N. W.	3·0	N. N. W.	3·0	N. W. by N.	2·0	N. N. W.	2·0	N. W. by N.	2·0	N. W. by N.	8·0
	13	—	0·0	—	0·0	—	0·0	—	0·0	S. S. W.	0·5	S. by W.	0·5
	14	S. S. W.	1·0	S. S. W.	1·0	S. S. W.	0·5	S. S. W.	1·0	S. S. W.	2·5	S. by W.	0·5
	15	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	16	E. by N.	0·5	—	0·0	E. N. E.	0·2	—	0·0	N.	0·2	N.	0·2
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	19	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	20	—	0·0	—	0·0	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2
	21	—	0·0	—	0·0	W. S. W.	0·5	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2
	22	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	23	N. E.	0·5	E.	1·0	E. N. E.	1·0	E. N. E.	1·0	E. N. E.	1·0	E. N. E.	2·5
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	E.	2·0	E.	2·0	E.	3·5	E.	2·0	E.	7·0	E. by S.	2·0
	27	—	0·0	—	0·0	—	0·0	N. W.	0·2	W. N. W.	0·2	W. by N.	0·2
	28	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	29	W. N. W.	0·5	W. N. W.	2·0	W. N. W.	0·5	N. W.	2·5	N. N. W.	0·5	N. W.	1·0
	30	W. by N.	0·5	W. by N.	0·5	W. by N.	0·5	W. by N.	0·5	W. by N.	0·5	W. by N.	0·5
	31	—	—	—	—	—	—	—	—	—	—	—	—

Mean Göttingen Time.		12h.		13h.		14h.		15h.		16h.		17h.	
DECEMBER.	1	—	0·0	—	0·0	S. W.	0·2	S. W	0·2	S. W.	0·2	S. W.	0·2
	2	W. S. W.	0·2	N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	W. S. W.	0·5	W. S. W.	0·2	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	0·5	W.	2·0
	5	—	0·0	N. by E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	6	S. by W.	1·0	S.	1·0	S.	0·5	S. by W.	0·5	S. by W.	0·5	S. S. W.	0·5
	7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	8	S.	0·2	S. by W.	0·2	S. by W.	0·2	—	0·0	—	0·0	—	0·0
	9	W.	1·0	W.	1·0	W.	0·5	W.	0·2	W.	0·2	W.	0·2
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	W. by S.	0·2	W. N. W.	0·2	W. N. W.	0·2	W. N. W.	0·2	W. N. W.	0·2	W. N. W.	0·5
	12	N. N. W.	2·0	N. N. W.	2·0	N. W. by N.	2·0	N. W. by N.	1·0	N. W. by N.	0·5	—	0·0
	13	S. by W.	3·0	S. by W.	2·0	S. S. W.	0·5	S. by W.	2·0	S. by W.	3·0	S. S. W.	3·0
	14	S. by W.	0·5	S. by W.	0·2	S. by W.	0·2	—	0·0	—	0·0	—	0·0
	15	E.	0·2	E. N. E.	0·2	E. N. E.	0·2	E. N. E.	0·2	F. N. E.	0·2	E. N. E.	0·5
	16	E.	0·2	—	0·0	E.	0·2	E.	0·2	E.	0·2	E.	0·5
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	19	N. W. by W.	0·2	—	0·0	—	0·0	—	0·0	W. by S.	0·2	W. by S.	0·2
	20	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	21	W. S. W.	0·2	W. S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	22	E. N. E.	0·2	N. E. by N.	0·5	E. N. E.	0·5	N. E.	1·0	N. E.	0·5	N. E.	0·2
	23	N. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	E. by S.	0·5	E. S. E.	1·0	E. S. E.	0·2	E. by S.	0·2	E. by S.	0·2	E. S. E.	0·2
	27	W.	0·2	W.	0·2	W.	0·2	—	0·0	—	0·0	—	0·0
	28	N. W. by W.	3·0	W. N. W.	2·0	W. by N.	1·0	W. N. W.	1·0	W. N. W.	0·5	W. N. W.	0·5
	29	W. N. W.	0·2	W. N. W.	0·2	W. N. W.	0·2	W. N. W.	0·5	W. N. W.	0·5	W. N. W.	1·0
	30	W.	3·0	W.	3·0	W. by N.	2·0	W.	1·0	W.	0·5	W.	0·5
	31	—	—	—	—	—	—	—	—	—	—	—	—

DIRECTION AND FORCE OF THE WIND.

6h. Wind. Direction.	6h. Wind. Force.	7h. Wind. Direction.	7h. Wind. Force.	8h. Wind. Direction.	8h. Wind. Force.	9h. Wind. Direction.	9h. Wind. Force.	10h. Wind. Direction.	10h. Wind. Force.	11h. Wind. Direction.	11h. Wind. Force.	Mean Göttingen Time.	
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2	—	0·0	1	
W. by N.	0·2	W. by N.	0·2	W. by N.	0·2	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2	2	
—	—	—	—	—	—	—	—	—	—	—	—	3	
S. W.	1·0	S. W.	0·2	S. W.	0·5	S. W.	1·0	W. S. W.	1·0	W. S. W.	0·5	4	
N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	—	0·0	N. by E.	0·2	5	
S.	0·2	S.	0·5	S. by W.	0·5	S. by W.	1·0	S. by W.	1·0	S. by W.	1·0	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
S. S. W.	0 2	S. by W.	2·0	S.	1·0	S.	1·0	S.	1·0	S.	0·2	8	
S. W.	0·5	S. W.	0·5	S. W.	0·5	S. W.	1·0	S. W.	1·0	W. S. W.	1·0	9	
—	—	—	—	—	—	—	—	—	—	—	—	10	
W.	0·5	W. by N.	0·5	W. by N.	0·5	W.	0 5	W.	0·2	W. by S.	0·2	11	
N. W. by N.	5·5	N. W. by N.	5·0	N. W. by N.	5·5	N. W. by N.	5·5	N. W. by N.	5·5	N. W. by N.	3·0	12	
S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. by W.	0·5	S. S. W.	1·0	S. by W.	1·0	13	
S. by W.	0·2	S. by W.	0·2	S. by W.	0·2	S. by W.	0·5	S. by W.	0·5	S. by W.	0·5	14	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	15	
N.	0·2	N.	0·2	N.	0·2	—	0·0	—	0·0	—	0·0	16	DECEMBER.
—	—	—	—	—	—	—	—	—	—	—	—	17	
—	0·0	—	0·0	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·2	18	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·5	W. S. W.	0·2	W. S. W.	0·2	20	
W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2	—	0·0	—	0·0	W. S. W.	0·2	21	
N. E.	0·5	N. E. by N.	0·5	N. E.	0·5	E. N. E.	0·5	E. N. E.	0·2	E. N. E.	0·2	22	
E. N. E.	1·0	E.	1·0	N. E. by E.	0·5	E. N. E.	1·0	N. E.	1·0	N. E.	0·5	23	
—	—	—	—	—	—	—	—	—	—	—	—	24	
—	—	—	—	—	—	—	—	—	—	—	—	25	
E. by S.	3·0	E. S. E.	2·0	E. by S.	1·0	E.	0·5	E. by S.	0·2	E. by S.	0·5	26	
W. by N.	0·2	W. by N.	0·2	W. by N.	0·2	W.	0·2	W.	0·2	W.	0·2	27	
—	0·0	—	0·0	—	0·0	—	0·0	W. by N.	0·2	W. by N.	0·5	28	
N. W.	0·2	N. W.	0·2	W. N. W.	0·5	W. N. W.	0·2	W. N. W.	0·2	W. N. W	0·2	29	
N. W.	1·0	N. W. by W.	3·0	N. W.	3·0	N. W.	2·0	W.	3·0	W.	3·0	30	
—	—	—	—	—	—	—	—	—	—	—	—	31	

18h. Wind. Direction.	18h. Wind. Force.	19h. Wind. Direction.	19h. Wind. Force.	20h. Wind. Direction.	20h. Wind. Force.	21h. Wind. Direction.	21h. Wind. Force.	22h. Wind. Direction.	22h. Wind. Force.	23h. Wind. Direction.	23h. Wind. Force.		
S. W.	0·2	S. W.	0,2	S. W.	0·5	—	0·0	—	0·0	—	0·0	1	
—	—	—	—	—	—	—	—	—	—	—	—	2	
S. W.	0·2	S. W.	0·5	S. W.	0·5	—	0·0	—	0·0	S. W.	0·2	3	
W.	1·0	W.	0·2	W. by N.	0·2	W. N. W.	0·2	W. N. W.	0·2	N. W. by N.	1·0	4	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	5	
S. S. W.	0·5	S. S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
—	0·0	—	0·0	S. by W.	0·2	S. by W.	0·2	S. S. W.	0·5	—	0·0	8	
—	—	—	—	—	—	—	—	—	—	—	—	9	
S. by W.	0·5	S. by W	0·5	S. by W.	0·5	S. by W.	0·5	S. by W.	0·5	—	0·0	10	
W. N. W.	0·5	W. N. W	1·0	W. N. W.	1·0	N. W. by N.	1·0	N. W. by N.	3·0	N. N. W.	5·0	11	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	12	
S. S. W.	3·0	S. W. by S.	4·0	S. S. W.	3·0	S. S. W.	2·0	S. S. W.	1·0	S. S. W.	1·0	13	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	14	
E. N. E.	0·5	E. N. E.	1·0	E.	2·0	E.	3·0	E.	3·0	E. by N.	2·0	15	
E.	0·5	—	—	—	—	—	—	—	—	—	—	16	
—	—	—	—	—	—	—	—	—	—	—	—	17	DECEMBER.
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	18	
W. by S.	0·2	W. S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	19	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	20	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
N. E.	0·2	N. E. by N.	0·5	N. E. by N.	0·5	N. E.	0·5	N. E.	0·5	N. E.	0·5	22	
—	0·0	—	—	—	—	—	—	—	—	—	—	23	
—	—	—	—	—	—	—	—	—	—	—	—	24	
—	—	—	—	—	—	—	—	—	—	—	—	25	
E. S. E.	0·2	W.	0·2	W. by N.	0·5	E. by N.	0·5	E. by N.	0·5	E. by N.	0·5	26	
—	0·0	E. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	27	
W. N. W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28	
W. N. W.	1·0	W. N. W.	0·5	W. N. W.	0·5	W. N. W.	0·5	W. N. W.	0·5	W. N. W.	0·5	29	
W.	0·5	W. N. W.	3·0	N. W. by W.	2·0	W. N. W.	1·0	W. N. W.	0·5	W. by N.	0·5	30	
—	—	—	—	—	—	—	—	—	—	—	0·0	31	
N. W. by N.	0·2	N. W. by N.	0·2	N. W.	0·5	N. W.	0·5	N. W.	0·5	—	—		

TORONTO, 1842-43.

OBSERVATIONS OF THE AURORA.

OBSERVATIONS OF THE AURORA AT TIMES WHEN THE MAGNETOMETERS WERE CONSIDERABLY DISTURBED.

Toronto Mean Time, Astronomical Reckoning.	Weather and Phenomena.	Mean's Age at Mean Noon.
APRIL.		
D. H. M.		D.
14 10 24	Partially clouded; strong light in N. but no remarkable feature	3·8
36	Clouded round N. horizon; streamers appearing above the clouds	—
11 00	Faint light in N.; a few pulsations in N.W.; some scattered clouds	—
12	Faint light; clouding rapidly from N.W.	—
30	Calm; faint light in N. almost entirely clouded over with light cir. and cir.-strat.	—
36	Faint light only	—
54	Clear in N., light stronger; pulsations very rapid and distinct	—
12 00	Luminous band of patches and pulsations extending across the zenith from E. to W.; strong steady light in the N.	—
06	Band appearing to have moved about 15° to S. of zenith	—
12	Pulsations converging from every part of the horizon except the S.W. to zenith, and covering the whole sky; light steady in N.; clear except a few cir. in the N.W.	—
18	Light air sprung up from N.; low range of strat. appearing in N. horizon; remainder of the sky perfectly clear; pulsations apparently proceeding from N.E. and crossing the zenith to W. in three distinct bands	—
36	Arch of patches varying their form every moment in N., general altitude about 25°, beneath which light cir.-strat. rests upon the horizon; splendid belt of luminous pulsations across the zenith from E. to W.	—
54	Extremely bright and steady light in the N., pulsations converging to zenith from every direction, and forming a most splendid crown or circle of light of a reddish colour	—
13 00	Wind N., very light; low bank of strat. in N., remainder of the sky perfectly clear; very vivid pulsation, as before	—
12	Wind N., almost calm; range of dense cum.-strat. rising in N., streamers appearing to rise from behind the clouds, pulsations as before	—
24	Calm; very dense mass of clouds rising in N.; pulsations as before	—
42	Calm, a few detached clouds in N.; streamers very brilliant in N. and N.E.; pulsations remaining as before	—
14 15	Pulsations rather diminished in extent and brightness; numberless streamers covering the sky between the W.N.W. and E.N.E. rising to an average altitude of 50°; patches of light extending 20° to the S. of zenith	—
25	Features unaltered; pulsations more bright	—
30	Luminous haze covering ·4 of the sky to N.; pulsations as before; streamers disappeared; clouds rising in, and passing over from N.W.	—
35	Range of dense strat. in N., above which a bright light appears and extends over ·4 of the sky; pulsation as before	—
40	Pulsations undiminished in extent, and remarkably bright	—
50	Aurora appearing over about ·6 of the sky; a few streamers visible	—
55	Features unaltered but larger in extent; streamers disappeared	—
15 10	Pulsations almost disappeared; faint luminous haze over ·5 of the sky	—
20	Pulsations brighter; faint streamers and patches in the N.	—
35	The same as 15h 20m	—
45	Faint sheet of light in N., a few pulsations in N.W.	—
55	Bank of light brighter; a number of streamers; pulsations continuing	—
16 15	Bank of light fainter; pulsations gone; light cir.-cum. dispersed over zenith; clouds passing from N.W.	—
25	Wind N. by E.; nearly calm; light indistinct	—
35	·5 clouded generally over the sky with cir.-cum. and cir.-strat.; daylight breaking; aurora light just perceptible in the N.N.W.	—
45	No traces of Aurora	—
17 00	Wind N., almost calm; about ·4 clouded, principally to the E. with cir.-cum. and cir.-strat.; fair	—

Toronto Mean Time, Astronomical Reckoning.	Weather and Phenomena.	Mean's Age at Mean Noon.
APRIL.		
D. H. M.		D.
15 08 00	Very sudden burst of auroral light in the N. in patches, banks, and streamers, which disappeared in a few minutes	4·8
35	A few faint streamers visible in N.; one very large streamer extending from E. to zenith remaining steady	—
45	Light in N. fainter; streamer still in the E. but not so near the zenith	—
55	Light in N. the same as the last remark; streamer in E. very bright, longer, and branching like a Y in the zenith	—
09 00	Streamer in E. extending across the zenith nearly to W. forming a bright belt across the sky; broader in zenith than at either end	—
05	Streamer in E. diminished considerably, and moving towards the S.	—
10	Wind springing up from N.W.; streamer in E. disappeared; Aurora brightening up in N.; sky perfectly clear	—
25	Light in N. very faint, in form of an arch; streamer disappeared	—
40	Aurora brightening; appearing in form of two arches thus ⌒ extending from N.W. to N.E., altitude of the exterior arch about 20°, of interior one about 12°; a few streamers at the Eastern extremity	—
45	Features of the Aurora changing very rapidly from banks to patches and streamers; dying away and suddenly brightening again	—
57	Remarkably bright bank in N.E. from which a great number of streamers issue; nothing visible to W. of N.	—
10 00	Bright light only in N.	—
10	Aurora entirely disappeared; sky perfectly clear	—
20	A streamer in S.E. extending to zenith, but neither so bright nor so well defined as that before-mentioned; a few patches in N.	—
25	Streamer very bright and extending from S.E. to N.W. inclining to S. of zenith (like a bow); a few bright patches and pulsations in the N.	—
35	A number of banks appearing and disappearing very rapidly in the S.E. and N.W.	—
15 10 45	Large streamer again invisible; a few patches occasionally in N.	—
50	Bright banks in N. and N.E., with slight pulsations	—
11 00	Two faint arches only in N.	—
05	One broad bright arch extending from N.E. to N.W.	—
15	No auroral light, except a very faint arch in N. altitude, about 15°	—
20	The same as at 11h 15m	—
30	A number of bright patches and streamers in the N., enclosed in an arch of luminous haze; altitude about 20°	—
40	A number of bright banks; patches and streamers forming, disappearing, and reforming again very quickly; luminous haze surrounding the whole to an altitude of 25°	—
45	Streamers, patches, and banks becoming fainter, but retaining the same features as before	—
50	Aurora still the same, but brighter	—
55	Nothing remaining but a faint luminous haze, and a few very faint streamers	—
12 00	Faint arch of light, and a number of pulsations beginning to vibrate upwards, and disappearing at an altitude of 45°	—
05	The same appearance as last recorded	—
10	Light wind spring up from the N. by W.; sky perfectly clear; bank of light and faint arch above it in the N.; pulsations proceeding from the N. towards the zenith	—
30	Patches and streamers moving backwards and forwards with great rapidity; vivid pulsations	—
35	The same appearance as last recorded	—
40	The same as last recorded, but pulsations rather extended	—
45	Range of streamers suddenly appeared between N.E. and N.W.; pulsations as before	—
50	Streamers disappeared; pulsations remarkably bright	—
55	Pulsations very vivid and extending from E. to N.W. by N.; bright streamers appearing and disappearing in quick succession	—

OBSERVATIONS OF THE AURORA AT TIMES WHEN THE MAGNETOMETERS WERE CONSIDERABLY DISTURBED.

Toronto Mean Time, Astronomical Reckoning.	Weather and Phenomena.	Moon's Age at Mean Noon.
APRIL.		D.
D. H. M.		
15 13 00	The same appearance as last recorded	—
05	Pulsations still very vivid, reaching from S.E. round the N. as far as W. by S.	—
10	Pulsations the same; several bright streamers in N.E.	—
15	Pulsations fainter and not so extended; bright streamers in E. and N.E.	—
20	The same appearance as last recorded	—
25	Pulsations fainter, ranging from E. to N.W.	—
30	Considerably fainter; streamers in N.E.	—
35	The same as last recorded, but streamers in N. and N.E. fainter	—
40	A few faint patches of light, altitude about 15°; pulsations as before reaching to an altitude of 55°	—
45	Nearly the same as last recorded; a few faint streamers at intervals	—
55	Bank of luminous haze, altitude about 20°, with a few faint patches; pulsations considerably fainter	—
14 00	Bank rather brighter; pulsations the same; a few faint streamers in N.E.	—
05	Very nearly the same as last recorded	—
10	Calm; clear and unclouded; arch of light, altitude 25°, with a few faint streamers and pulsations	—
20	Arch of light rather brighter, altitude about 30°; very faint pulsations just above it	—
30	Light and pulsations the same; a few very faint streamers in N.W.	—
40	Bright arch of light from N.E. to N.W., throwing out a few streamers at its N.W. extremity; pulsations just perceptible above the arch	—
50	Very nearly the same as last recorded	—
15 00	Arch fainter; faint streamers shooting from it; faint pulsations	—
10	Arch of light brighter; streamers and pulsations entirely gone	—
20	Arch of light the same; a few very faint pulsations	—
30	The same as last recorded	—
40	Arch of light the same; pulsations gone	—
16 00	Light very faint; calm, clear, and unclouded; Aurora not perceptible	—
JUNE.		
4 07 42	Calm; clear and unclouded, except a few light cir.-strat. in N. horizon; no auroral light visible	25·2
08 27	A few patches of light beginning to appear in N.N.W. horizon; the evening not sufficiently advanced to observe their features with accuracy	—
47	All auroral light disappeared	—
52	Bright waves of light drifting from E. across the zenith, in appearance like light cir. clouds; faint light in N. horizon; sky clear	—
54	A large stream of light rose in E. horizon, and after passing through zenith sunk in N.W.; the bow remained perfect and appeared to continue its onward motion	—
57	An innumerable number of faint streamers extending from E. to W., and covering the whole of the N. sky; the bow of light as before; the centre of it passing through a point 10° S. of zenith	—
09 02	A number of small bright streamers in S.E., rising to an altitude of from 10° to 20°; streamers in N. disappeared, except a few in N.E.; strip of light becoming fainter at the western, and brighter in the eastern extremity; the whole gradually moving to the S.	—
09	A number of remarkably bright patches of light in zenith, having gradually approached from E.; bright patches of light in N. horizon	—
12	The bow of light still remaining, and appearing to act as a conductor to a constant and steady stream of patches of light which rising in E., and moving its course to zenith, where they disappear; patches of light in N.	—

Toronto Mean Time, Astronomical Reckoning.	Weather and Phenomena.	Moon's Age at Mean Noon.
JUNE.		D.
D. H. M.		
4 09 22	Bow of light disappeared; luminous haze in N., and a few faint streaks of light in zenith alone visible	—
27	Luminous haze, with very faint patches and streamers in N.	—
32	Appearance nearly the same	—
37	The same appearance as last recorded, with faint streamers moving from E. to W.	—
42	The same appearance; streamers becoming brighter	—
47	Light much brighter; innumerable streamers extending from E. to W. by N., and rising to an altitude of 50°	—
52	Light fainter; scarcely perceptible; low clouds in N. horizon	
57	Patches rather brighter; faint streamers rising above them; a small streamer in the S.E.	—
10 02	A faint luminous haze with a few very faint streamers at either end of the light alone visible	—
07	Bright light in N.N.E., with bright patches visible behind a low range of clouds in the N.; faint streamers in N.W.	—
12	Clouds rising in the N.; faint light and streamers above them	
17	Clouds rising in the N.; faint light and streamers above them; occasional sheet lightening in N.W.	—
22	Calm; bright streamers and pulsations extending from E. to N.W.; patches of light visible behind the clouds	—
27	Appearance nearly the same; pulsations reaching to an altitude of about 45°	—
32	Range of bright streamers extending from E. to N.W.; faint pulsations	—
37	About ·1 overspread with light cir.-cum. and cir.-strat. in N.; bright streamers in the E. and N.W.; sheet lightning in N.W.	—
42	A faint light seen behind the clouds; Aurora otherwise disappeared	—
47	Bright streamers and pulsations again breaking out; bright patches of light in N.E.	—
52	Steady patch of light in N.E. and N.N.W.; faint pulsations reaching to an altitude of 50°; sheet lightning in W.N.W.	
57	Light brighter in N.W. and fainter in N.E.; pulsations as before	—
11 02	Very bright patches of light, principally in the N.W., and very vivid pulsations over the whole northern portion of the sky; calm; ·1 overcast with cir.-cum. and cir.-strat.	—
07	Patches of light fainter; pulsations continuing	—
12	Pulsations remarkably vivid; clouds becoming more dense	—
15	Patches of light very faint; pulsations over the whole north portion of the sky	—
17	Pulsations from all quarters converging to a point in zenith; several splendid streamers rising from behind the clouds in N.	—
22	Pulsations fainter; streamers disappeared	—
27	Bright streamers and patches appearing and disappearing with great rapidity; pulsations as before	—
32	The same appearance as last recorded	—
37	Streamers, patches and pulsations much fainter	—
42	A few faint streamers and pulsations	—
47	Pulsations and light very faint	—
52	Pulsations and light very faint	—
57	Aurora disappeared except a faint light in N., with a few very faint streamers; calm; light cir.-cum. and cir.-strat. dispersed round the N. horizon	—
12 02	Faint bank of light, altitude about 20°; sheet lightning in N.W. horizon	—
07	Faint auroral light alone remaining	—
12	Very faint auroral light alone remaining; sheet lightning in the W. and N.W. horizon	—
17	The same appearance as before	—
27	Nearly the same appearance	—
37	Bank of light rather brighter; very faint pulsations just above it	—

OBSERVATIONS OF THE AURORA AT TIMES WHEN THE MAGNETOMETERS WERE CONSIDERABLY DISTURBED.

Toronto Mean Time, Astronomical Reckoning.	Weather and Phenomena.	Moon's Age at Mean Noon.
JUNE.		
D. H. M.		D.
4 12 47	Very faint light; no pulsations - - - - - - - -	—
57	Nearly the same appearance; calm; zenith clear; cir.-strat. and haze round horizon - - - - - - - -	—
13 08	Calm; thin haze in zenith; cir.-strat. and haze round horizon; bright patches of light in N.E. moving backwards and forwards behind the clouds - - - - - - - -	—
15	A very faint light alone visible through the clouds - - -	—
22	Aurora entirely disappeared; clouds becoming more dense -	—
14 02	Aurora entirely disappeared; calm; overcast with cir.-strat. and thin haze; almost incessant sheet lightning in W. and N.W. - - - - - - - - - - - -	—
32	Calm; clouded with cir.-cum. and haze; clouds from N.W.	—
57	Calm; clouded with cir.-cum. and haze; clouds from N.W.	—
JULY.		
3 12 12	Steady strong light in N., very bright streamers in N.W. and E., in each of which directions pulsations rise and meet in a circle extending to the S. of zenith - - - - -	24·8
18	The streamers before mentioned remarkably brilliant, more extended, and meeting together in zenith; the whole north one sheet of light with vivid pulsations; clear except a few cir.-cum. scattered - - - - - - - - -	—
24	Bank of clouds in N.W.; haze in N., behind which pulsations are seen; streamers in N.W. undiminished in brightness, shooting forth broad flashes across the zenith; very bright light in the E. near horizon; streamers as before circling or entwining in every shape - - - - - - - -	—
12 12 30	Vivid and very broad pulsations and streamers covering the whole northern sky - - - - - - - - -	4·4
33	Slight pulsations in N.W., eastern streamers and flashes considerably diminished; light in N. increased and throwing up streamers and pulsations which meet in zenith - -	—
42	Calm, a few cir.-cum. scattered over the N. horizon; pulsations and streamers still rising in N.W. and forming a semicircle across the zenith to N.E.; light very bright from N.E. to N.W. from which a constant succession of pulsations follow each other as waves of the sea, disappearing in the N.E. -	—
48	The whole very much lessened in brilliancy; pulsations and streamers from N.W. very faint, in N.E. entirely disappeared; waves of light from N. very faint, but still joining those from the W. in zenith - - - - - - - -	—
54	Calm; a few cir.-cum. scattered; light in E. nearly gone; pulsations and flashes from N.W. hardly reaching the zenith; arch of light extending from N.W. to N.E., altitude at centre about 20°; occasional slight pulsations - - -	—
13 00	Streamers in N.W. and light in N. increased, throwing out very bright flashes or waves illuminating all the N.; the whole appearance very brilliant - - - - - -	—
12	The whole of the N. very brilliantly lighted up with banks, patches, arches, and streamers; the features in constant change; pulsations very rapid - - - - - -	—
18	The same appearance as last recorded - - - - - -	—
24	The same appearance as recorded at 18m - - - - -	—
30	Pulsations rather diminished in extent, and motion not so rapid; the other features as before - - - - - - -	—
36	The same as last recorded - - - - - - - -	—
42	Rather diminished, but still much the same - - - -	—
48	Diminishing; general features the same - - - - -	—
14 00	Still more faint; pulsations much slower - - - - -	—
12	The whole nearly disappeared; a few flashes, and those at considerable intervals from each other - - - - -	—
24	The same appearance as last recorded - - - - -	—
36	Again brightening; pulsations and streamers - - - -	—
42	Brilliant streamers and flashes from N.W. as at first, but not nearly so bright and vivid; streamers and banks extending from N.W. to N.E.; a few pulsations - - - - -	—

Toronto Mean Time, Astronomical Reckoning.	Weather and Phenomena.	Moon's Age at Mean Noon.
JULY.		
D. H. M.		D.
12 14 48	A few clouds in S.E. and S.; streamers and pulsations much diminished, but still ascending to zenith, and there disappearing - - - - - - - - - - - - -	—
54	A few pulsations alone visible - - - - - - - -	—
15 00	Aurora disappeared except a few faint streamers to E. of N. -	—
06	A few pulsations still seen although nearly obscured by the advance of day - - - - - - - - -	—
12	Day rapidly breaking; the auroral light could not any longer be seen; calm; clear and unclouded - - - - -	—
1843		
MARCH.		
6 11 00	Clear and unclouded; faint auroral light in N. - - -	5·4
12 00	Clear and unclouded; auroral light in N.; streamers and patches - - - - - - - - - - - -	—
13 00	Bank of auroral light in N.; faint patches and streamers -	—
14 00	Clear; appearance of auroral light the same as at last observation - - - - - - - - - - - -	—
15 00	Clear bank of auroral light extending from N.W. to N.E., altitude about 5° - - - - - - - - - -	—
16 00	Perfectly clear; light almost disappeared - - - -	—
17 00	Perfectly clear; light almost disappeared - - - -	—
18 00	Clear and unclouded - - - - - - - - -	—
19 00	Clear and unclouded - - - - - - - - -	—
20 00	Clear and unclouded - - - - - - - - -	—
APRIL.		
5 04 00	Partially overcast with light flexuous cir.-strat. and haze; fair; ·4 clear - - - - - - - - - - - -	5·7
05 00	Dense bank of cum. and cum.-strat. in N. and N.W.; dense masses of vapour rolling up from the lake; ·3 clear - -	—
06 00	·5 clouded with dense masses of cum.-strat.; remainder clear; fair - - - - - - - - - - - -	—
07 00	·6 overcast with dense cum.-strat.; clear spaces generally -	—
08 00	Overcast with cir.-cum.; cum.-strat. and haze - - -	—
09 00	Detached cir.-cum. passing across the zenith; haze round horizon; ·5 clear - - - - - - - - -	—
10 00	Clear except haze round horizon; faint bank of auroral light in the N.; altitude at the centre about 18° - - - -	—
11 00	·4 clear in zenith and to the S., remainder overcast with cir.-cum. and haze - - - - - - - - -	—
12 00	Partially overcast with cir.-strat.; cir.-cum. and haze - -	—
13 00	Partially clouded with cir.-strat., cir.-cum. and haze - -	—
14 00	Partially clouded with light cir.; strong auroral light in the N.	—
15 00	·4 clear to S., remainder overcast with light cir. and haze -	—
16 00	Quite clear; bright arch of auroral light with streamers issuing therefrom - - - - - - - - - - -	—
17 00	Clear and unclouded; faint auroral light in the N. - - -	—
18 00	Clear except a bank of strat. along the S. horizon; fair - -	—
19 00	Clear except a range of strat. on S. and W. horizon; fair -	—
20 00	Haze and strat. round horizon; zenith clear; fair - - -	—
21 00	Partially clouded round horizon with cir.-cum.; ·8 clear; fair	—
22 00	Partially clouded with cir.-cum and cir.-strat.; ·8 clear; fair	—
6 08 00	Clear; double arch of auroral light in the N., altitude of upper edge of the highest one about 45°; of lower 25°; faint streamers at the W. end of the upper arch - - - -	6·7
09 00	Clear and unclouded; faint auroral light in N. - - -	—
10 00	Clear and unclouded; faint auroral light in N. - - -	—
11 00	Clear and unclouded; faint auroral light in N. - - -	—
12 00	Clear and unclouded - - - - - - - - -	—
JULY.		
25 09 00	Clear and unclouded; faint auroral light in N. - - -	27·9
10 00	Clear and unclouded; faint auroral light in N. - - -	—
11 00	Clear and unclouded; faint auroral light in N. - - -	—
12 00	Cloudless; auroral light almost gone - - - - -	—

* The Aurora above recorded first appeared on the 3rd, at 10 h. (Sunday), and continued with various changes till 12 h., when the observations were commenced.

TORONTO, 1843.

METEOROLOGICAL JOURNAL.

Day.	Weather and Phenomena.	Extent of Cloudy Sky. 3h.	9h.	15h.	21h.	Max. Therm.	Min. Therm.	Rain.	Solar Rad.
	JANUARY.					°	°	In.	°
1	Densely clouded all day, with brisk wind from 12h to 17h; snow from 18h	0·3	—	1·0	—	24·0	3·2	—	30·9
2	Densely clouded; continued snowing to 3h, and again from 10h 20m to 12h; quite clear at 15h; brisk wind all day	1·0	1·0	0·9	0·3	27·2	1·8	—	40·7
3	Generally clouded; with brisk wind	0·3	0·4	1·0	1·0	31·7	9·4	—	31·5
4	Clouded; light snow from 10h 50m to 21h	1·0	1·0	1·0	1·0	15·8	9·3	—	24·7
5	Cleared up at 14h and remained so to 18h	1·0	0·1	0·8	1·0	27·5	11·7	—	32·1
6	Densely clouded; brisk wind; rain from 4h 20m to 6h	1·0	1·0	1·0	1·0	34·5	22·7	0·115	46·3
7	Clouded all day; occasional light rain	1·0	1·0	—	1·0	42·7	32·3	—	41·9
8	Densely overcast; brisk wind and rain	1·0	—	0·7	1·0	44·3	35·3	0·410	45·9
9	Partially clouded to 3h; remainder of day densely clouded	0·7	1·0	1·0	1·0	44·9	20·5	0·230	50·7
10	Overcast; snow and rain to 6h 30m	1·0	1·0	0·6	1·0	33·6	24·0	0·940	50·8
11	Clouded; cir., cir.-cum., and haze	1·0	1·0	1·0	1·0	37·0	25·2	—	39·0
12	Densely clouded; slight rain and snow from 6h to 14h; slight snow continued from 20h	1·0	1·0	1·0	1·0	33·1	27·9	0·100	36·9
13	Densely clouded; slight snow continued to 10h; slight snow from 19h 30m to 23h	1·0	1·0	1·0	1·0	33·7	30·3	—	34·1
14	Densely clouded	1·0	1·0	—	1·0	33·6	21·2	—	33·7
15	Clouded	0·9	—	1·0	1·0	29·9	23·7	—	30·0
16	Overcast; dense haze	1·0	1·0	1·0	1·0	33·7	18·2	—	35·1
17	Overcast; dense haze	1·0	1·0	1·0	0·8	26·2	20·1	—	25·3
18	Partially clouded; a shock of an earthquake was felt this day on Lake St. Peters in Lower Canada	0·7	0·5	—	1·0	31·5	26·4	—	32·3
19	Densely clouded	1·0	1·0	1·0	1·0	44·2	32·7	—	58·5
20	Thick fog	1·0	1·0	1·0	0·2	44·2	32·0	—	47·5
21	Clear from 3h to 8h; remainder of the day clouded	0·0	0·1	—	1·0	41·9	34·4	—	50·7
22	Clouded	0·0	—	0·1	1·0	55·4	32·5	—	63·9
23	Occasionally clouded and clear; snow from 21h 45m to 22h 20m	0·7	0·4	0·4	1·0	40·7	34·1	—	49·4
24	Clouded; high wind	0·1	1·0	0·0	0·7	36·1	30·7	—	50·0
25	Partially clouded to 7h, when it became quite clear	0·4	0·0	0·0	0·1	36·1	28·1	—	45·1
26	Generally clouded; showers of hail from 9h to 13h	0·5	1·0	1·0	1·0	29·5	2·4	—	33·3
27	Densely clouded; snowing from 10h 30m	1·0	1·0	1·0	1·0	25·5	18·4		33·2
28	Snow continued to 3h; quite clear at 10h; continued so	1·0	0·1	—	0·1	30·9	24·2[a]	—	35·0
29	Generally clear to 15h, when it clouded over	0·0	—	1·0	1·0	30·1	6·7	—	36·3
30	Clouded all day; began to snow at 14h, and turned to rain at 20h	0·5	0·3	1·0	1·0	31·4	11·1	—	33·0
31	Continued raining to 10h, when it ceased	1·0	1·0	1·0	1·0	35·5	27·7	2·500	51·0
	FEBRUARY.								
1	Generally clouded; brisk wind and snow from 5h to 6h	0·4	1·0	1·0	0·1	37·1	15·4	—	35·0
2	Partially clouded and calm to 8h; afterwards clouded and brisk wind	0·8	0·6	1·0	1·0	19·7	−2·7	—	36·0
3	Densely clouded; light winds; a few particles of snow occasionally	1·0	1·0	1·0	1·0	24·7	5·1	—	34·6
4	Clouded nearly all day; calm, and light wind with slight snow; high wind from 21h	0·7	1·0	—	1·0	27·5	15·7	—	29·5
5	Clouded; constant snow; high wind continued to 14h	1·0	—	1·0	1·0	32·3	23·8	—	59·9
6	Clouded; high wind; heavy drift of snow all day	1·0	1·0	0·5	0·8	28·1	11·7	—	43·1
7	Clouded; moderate and light winds	1·0	1·0	1·0	1·0	17·2	3·1	—	—
8	Overcast to 3h; partially clear from 4h to 14h; halo round the moon at 11h	1·0	0·1	1·0	1·0	18·4	9·2	—	47·5
9	Clouded all day; chiefly cir.-strat., cir., and cum.-strat.; light winds	1·0	1·0	1·0	1·0	18·9	2·1	—	26·0
10	Overcast; wind brisk and squally; rain and sleet	1·0	1·0	0·9	0·9	21·9	10·3	0·475	35·7
11	Partially clear; snow showers at intervals; brisk wind	0·4	0·3	—	0·2	38·5	21·3	—	36·3
12	Densely clouded from 1h to 17h; halo round the moon at 12h; light wind; parhelia at 23h	0·5	—	1·0	0·5	24·0	11·8	—	36·4
13	Generally clouded; cir., cir.-strat., and cum.-strat.; halo round moon at 10h	1·0	1·0	1·0	1·0	16·6	12·4	—	29·7
14	Overcast; cir. and haze; snowing most of the day; brisk wind; ceased snowing at 12h	1·0	1·0	1·0	0·8	21·5	12·3	—	49·9
15	Mostly clouded; cum., cir.-cum., and haze; slight snow and sleet occasionally; brisk wind from 18h	1·0	0·5	1·0	0·1	11·9	5·1	—	—
16	Generally clear; brisk wind continued to 4h; subsequently light winds	1·0	0·1	0·1	0·7	19·3	5·5	—	29·4
17	Partially clouded, with moderate and light winds	0·8	0·9	0·1	0·4	15·2	−9·4	—	26·8
18	Partially clear to 6h; remainder of day clouded; light wind; began to snow at 21h	0·8	1·0	—	1·0	15·2	−8·0	—	33·3
19	Clouded to 12h; constant snow continued to 10h 30m, when it ceased	1·0	—	0·5	0·2	18·3	5·7	—	38·7
20	Partially clear to 3h, slight snow at 16h 30m	0·9	1·0	1·0	1·0	22·5	−0·3	—	26·9
21	Generally clouded; light snow	1·0	0·2	1·0	1·0	26·9	9·1	—	52·4
22	Partially clouded to 7h; clear to 12h; subsequently overcast with haze; slight snow occasionally	0·4	0·0	1·0	0·1	29·9	11·6	—	37·5
23	Mostly clear to 8h; subsequently overcast with cir.-strat. and haze	0·2	1·0	1·0	1·0	23·4	1·9	—	38·5

[a] Taken from the lowest reading of the Standard Thermometer.

Day.	Weather and Phenomena.	Extent of Cloudy Sky. 3h.	9h.	15h.	21h.	Mean Therm.	Min. Therm.	Rain.	Solar Rad.
	FEBRUARY.					°	°	in.	°
24	Clouded and calm	1·0	1·0	1·0	0·8	19·9	5·5	—	33·9
25	Mostly clouded with cir.-cum. and cir.-strat.; a few flakes of snow	1·0	1·0	—	1 0	28·5	14·7	—	50·5
26	Clouded all day; snow from 3h to 13h	1·0	—	1·0	1·0	34·7	24·1	—	47·0
27	Clouded and snowing to 19h; partially clear to 23h, when the day became clouded	1·0	1·0	1·0	0·3	31·6	19·7	—	42·7
28	Clouded all day	1·0	1·0	1·0	1·0	29·1	19·5	—	43·5
	MARCH.								
1	Clouded to 8h and occasional slight snow; clear and clouded alternately from 8h, with haze round horizon	1·0	0·5	0·1	0·1	29·9	12·4	—	43·2
2	Clouded and clear alternately; cir.-cum. and cir.-strat. till 2h; totally clouded from 2h	1·0	0·1	1·0	1·0	21·9	7·3	—	29·0
3	Clouded and dull to 13h, when it cleared up	1·0	1·0	1·0	0·1	20·9	1·9	—	33·7
4	Partially clouded to 5h with cir.-cum. detached	0·3	0·0	—	0·1	23·1	2·5	—	35·5
5	Clear and calm; faint auroral light from 1h	0·0	—	0·0	0·0	26·7	−2·5	—	51·9
6	Clear all day; Aurora from 7h to 14h; slight appearance of a comet	0·0	0·0	0·0	0·0	24·5	5·7	—	40·5
7	Clear to 13h; remainder partially clouded with light cir. and base; slight appearance of comet at 7h	0·0	0·0	0·7	0·9	26·5	−2·4	—	42·2
8	Dull and clouded with cir.-cum., cum.-strat. and base to 13h; clearing gradually to 17h; partially clouded to 23h; halo round the sun from 21h to 23h	1·0	1·0	0·2	0·6	27·1	7·1	—	49·2
9	Overcast at night; halo round the moon; clouded	1·0	0·2	1·0	1·0	30·2	14·7	—	41·0
10	Clouded all day; snow and sleet; wind fresh and gusty; partially clouded with cir.-cum. and cum.-strat. from 20h	1·0	1·0	1·0	0·8	31·3	16·3	0·250	52·3
11	Partially clouded with cir.-cum., and cum.-strat. to 3h; wind brisk and gusty; clear and calm from 4h to 11h; partially clouded from 21h	0·2	0·0	—	0·0	34·7	28·2	—	36·7
12	Partially clouded to 3h; snow fell continuously from 11h 50m	0·7	—	1·0	1·0	31·7	3·9	—	44·7
13	Snow continued falling to 7h; halo round the moon at 9h; remainder clouded with cir.-cum. and cum.-strat.	1·0	1·0	1·0	0·2	32·7	24·7	—	44·2
14	Partially clouded to 3h; halo and parhelia round the sun at 4h; halo round the moon at night	0·5	1·0	1·0	1·0	38·1	12·3	—	46·1
15	Clouded with cir.-cum. and base to 6h; high wind; remainder light cir. and base; halo round the moon at 14h and 15h	1·0	0·1	1·0	1·0	31·1	17·7	—	39·4
16	Overcast with cir.-strat., cir.-cum. and base; constant snow from 8h to 20h	1·0	1·0	1·0	1·0	32·1	6·9	—	43·3
17	Densely overcast with haze to 10h	1·0	1·0	0·4	1·0	29·8	19·1	—	44·7
18	Generally clouded; a few flakes of snow occasionally during the day; halo round the sun at 21h, diameter 30°	1·0	0·6	—	0·2	33·4	17·3	—	39·7
19	Nearly clear in the morning; halo round the moon at 14h	1·0	—	0·4	1·0	29·7	19·1	—	42·3
20	Generally clouded; a few flakes of snow between 4h and 5h	1·0	1·0	1·0	0·4	31·7	15·3	—	45 7
21	Partially clouded; cir.-cum. dispersed and light cir.-strat. and base; halo round the moon at 16h and 17h	0·3	0·9	1·0	1·0	30·2	17·9	—	37·5
22	Overcast with light cir. and base; occasional slight snow till 2h; remainder of the day dense haze	0·6	1·0	1·0	1·0	29·7	11·1	—	41·9
23	High wind; snow and drift to 13h, when snow ceased and wind moderated	1·0	0·7	0·1	0·1	33·6	11·9	—	49·7
24	Generally clear; halo round the sun at 3h, 4h, and 5h; clouded over at 15h; almost clear to 22h; clouded from 22h	0·2	0·2	1·0	0·1	18·7	10·7	—	29·5
25	Continued clouded to 8h; slight snow occasionally; quite clear at 11h	1·0	0·8	—	0·0	26·7	14·4	—	46·7
26	Nearly clear during the day; overcast with haze from 12h; constant snow and heavy drift from 20h	0·3	—	1·0	1·0	30·7	5·0	—	40·3
27	Snow and heavy drift continued to 14h, when it turned to rain; very high wind	1·0	1·0	1·0	1·0	35·9	18·9	0·375	60·0
28	Constant rain and high wind to 6h 30m, when it became almost calm, and the rain ceased; cleared rapidly from 11h to 12h; clear from 12h to 17h; partially clouded from 18h to 19h	1·0	1·0	0·2	1·0	34·5	25·9	—	37·9
29	Generally clouded all day with cir.-cum. and cum., with clear spaces	0·0	0·5	0·9	0·6	39·9	19·3	—	54·6
30	Partially clouded with cir., cir.-strat., and cir.-cum. to 2h; remainder of the day densely clouded; snow from 10h to 17h	1·0	1·0	1·0	1·0	35·9	18·5	—	53·2
31	Densely overcast; constant snow and much drift to 13h; remainder clouded	1·0	1·0	1·0	0·8	30·9	22·2	—	51·7
	APRIL.								
1	Generally clouded with cir.-cum. and cum.-strat.; clear at 10h; some slight snow	0·6	0·8	—	0·1	30·6	21·1	—	37·9
2	Clear to 18h; light cir.-cum. to 20h; clear from 20h	0·0	—	0·0	0·1	34·9	14·7	—	50·2
3	The day and night clear; morning generally clouded	0·0	0·0	0·1	1·0	39·1	15·3	—	—
4	Generally clouded; snow from 1h 40m to 6h 50m; remainder of day hazy	1·0	1·0	0·5	1·0	39·4	23·1	—	—

Day.	Weather and Phenomena.	Extent of Cloudy Sky.				Max. Therm.	Min. Therm.	Rain.	Solar Rad.
		3h.	9h.	15h.	21h.				
	APRIL.					°	°	In.	
5	Hazy and partially clouded with cir.-cum.; auroral light in N. from 10h to 17h	0·7	0·5	0·6	0·2	38·3	26·2	—	—
6	Generally clouded to 7h; occasional showers of hail; aurora from 8h to 14h, and clear; partially clouded from 18h to 0h	0·9	1·0	0·0	0·7	41·6	28·4	—	—
7	Partially clouded with light cir. and haze; halo round the moon from 8h to 10h	1·0	1·0	1·0	0·8	42·9	25·2	—	—
8	Generally clouded with cir.-cum., cir.-strat. and haze; very slight rain from 6h to 9h	0·8	1·0	—	1·0	44·9	33·5	—	—
9	Clouded generally with cir.-cum. and cum.-strat.; brisk wind	0·5	—	1·0	0·2	49·9	30·2	—	—
10	Clear all day except a few light cir. and cir.-strat.; clouds on horizon	0·0	0·0	0·1	0·1	43·8	31·3	—	—
11	Clear, except a few cir.-cum. and cir.-strat. occasionally appearing	0·1	0·0	0·0	0·0	44·4	29·5	—	—
12	Quite clear to 19h; densely clouded with cir.-cum. and haze from 19h	0·0	0·0	0·0	1·0	49·8	27·4	—	—
13	Densely clouded with cir.-cum. and haze	1·0	1·0	—	1·0	53·8	32·7	—	—
14	Generally clouded with cir.-cum. and haze; foggy	1·0	—	1·0	1·0	50·2	37·4	—	—
15	Generally clouded with cir.-cum. and haze	1·0	0·6	—	0·4	54·6	35·5	—	—
16	Partially clouded with cir.-cum. and cir.-strat.; halo round the sun from 19h to 23h, diameter about 30°	1·0	—	0·1	1·0	56·0	37·7	—	—
17	Overcast; light cir. and haze; heavy snow from 19h	1·0	1·0	1.0	1·0	53·3	36·2	—	—
18	Clouded all day with cir.-cum. and haze; heavy snow continued to 2h 20m; turned to rain; ceased at 8h	1·0	1·0	1·0	1·0	47·4	34·2	0·680	—
19	Clouded with cir.-cum., cum.-strat. and haze to 22h; partially clouded from 22h	1·0	1·0	1·0	1·0	37·4	33·7	—	—
20	Partially clouded to 8h; remainder clear, save light haze; halo round the moon at 14h and 15h, diameter 30°	0·5	0·1	0·0	0·0	43·5	35·6	—	—
21	Clear to 8h; remainder of day partially clouded with light cir.-cum., cir.-strat. and haze	0·1	0·7	1·0	0·5	50·3	31·2	—	—
22	Clouded to 4h with cir.-cum., when it began to rain and continued to 12h	1·0	1·0	—	1·0	59·8	43·2	0·550	—
23	Cloudy; cir.-cum., cum.-strat. and haze; rain at 16h	0·7	—	1·0	1·0	56·3	42·5	0·300	—
24	Densely clouded all day with cum.-strat.; cir.-strat. and haze	1·0	1·0	1·0	1·0	64·7	48·2	—	—
25	Partially clouded to 12h, sheet lightning and densely clouded to 17h; showers of rain at 16h, 19h, and 20h	0·2	0·2	1·0	1·0	58·8	43·7	—	—
26	Clouded; lightning and thunder at 8h; rain from 14h to 21h	1·0	1·0	1·0	1·0	53·8	41·7	0·055	—
27	Clear and calm	0·8	0·1	0·1	0·1	62·5	40·7	0·800	—
28	Generally clear, except detached cir.-cum. dispersed about	0·8	0·1	1·0	1·0	59·5	37·7	0·050	—
29	Clouded to 1h; remainder partially clouded with cir.-strat.; commenced to rain at 20h; and became constant from 21h	0·6	0·3	—	1·0	71·6	38·2	—	—
30	Constant rain continued to 7h; clouded densely with cir.-cum. and cum.-strat.	1·0	—	0·7	1·0	43·1	37·2	0·750	—
	MAY.								
1	Densely clouded all day with cir.-cum. and cum.-strat.; halo round the sun from 15h, diameter 40° to 35°; parhelia at 19h	1·0	1·0	1·0	1·0	47·9	35·7	—	—
2	Halo continued round the sun to 3h; clear from 7h	1·0	0·0	0·0	0·1	44·8	32·1	—	—
3	Partially clouded with cir., cir.-strat. and haze; clear at 5h	0·5	0·3	0·7	1·0	51·8	29·2	—	—
4	Generally clouded; cir. and haze; very slight rain from 1h to 2h, 5h to 7h, and 10h to 12h	1·0	1·0	0·6	1·0	53·8	37·7	—	—
5	Densely clouded all day with cir.-cum. and cum.-strat.; brisk wind from N.E. and E.; slight shower of rain at 21h 45m	1·0	1·0	1·0	1·0	47·4	36·7	—	—
6	Densely clouded; cir., cir.-cum. and haze; halo and lightning at 9h	1·0	1·0	—	0·1	47·9	38·0	—	—
7	Partially clear to 3h; remainder clouded with cir.-cum. and haze	0·7	—	1·0	1·0	58·0	40·7	—	—
8	Clouded with cum.-strat. and cir.-cum. to 9h; remainder of day quite clear	1·0	0·2	0·0	0·7	64·0	44·7	—	—
9	Generally clouded with cum. and cir.-cum.; occasionally a few clear spaces	1·0	1·0	1·0	1·0	57·0	31·9	—	—
10	Uniformly clouded all day; rain from 7h to 12h	1·0	1·0	1·0	0·3	58·3	46·0	0·190	—
11	Generally clear, except light cir. and haze; double halo from 8h to 10h, single halo from 10h to 13h	0·0	0·1	0·2	0·0	57·8	46·5	—	—
12	Mostly clear to 6h; remainder clouded with cir., cir.-cum. and haze	0·3	1·0	1·0	0·8	65·5	42·7	—	—
13	Partially clear most of the day; occasionally entirely clouded with cir.-cum. and cum.-strat.	0·2	1·0	—	0·6	70·0	48·5	—	—
14	Partially clouded with cum.-strat. and cir.-cum.; lightning and thunder from 12h to 14h; rain at 23h 30m	0·4	—	0·8	0·4	72·8	51·0	—	—
15	Loud peal of thunder at 0h; partially clouded all day with cum. and cum.-strat	0·6	0·7	1·0	0·0	71·3	51·0	—	—
16	Generally clear; a few clouds appeared occasionally; detached cir.-cum.	0·1	0·0	0·0	0·1	79·8	49·2	—	—
17	Generally clear; a few cir.-cum. and cir.-strat. appeared; wind shifted at 6h from S. to N.N.E.	0·6	0·1	0·4	0·2	67·3	35·7	—	—

Day.	Weather and Phenomena.	Extent of Cloudy Sky.				Max. Therm.	Min. Therm.	Rain.	Solar Rad.
		3h.	9h.	15h.	21h.				
						°	°	In.	°
18	Generally clear to 12h; remainder of day clouded with cir.-strat. and haze	0·0	0·5	1·0	1·0	61·9	30·2	—	—
19	Overcast with cir. and haze till 2h; remainder quite clear, except haze round horizon	0·4	0·1	0·0	0·0	66·5	40·7	—	—
20	Clear all day; haze round horizon from 6h to 11h	0·0	0·1	—	0·0	62·5	33·7	—	—
21	Generally clear to 13h; remainder overcast with dense cir. and haze; slight rain from 23h	0·3	—	1·0	1·0	69·0	35·2	—	—
22	Overcast with dense haze; rain continued slightly to 7h, and again at 9h; heavy showers of rain and hail, also lightning and thunder from 23h	1·0	1·0	1·0	1·0	70·8	45·7	0·120	—
23	Rain, hail, thunder, and lightning continued to 2h; clouded to 7h; quite clear from 8h to 17h; halo round the sun at 22h, diameter 30°	0·3	0·0	0·0	1·0	59·3	46·7	0·350	—
24	Mostly clear; sheet lightning in S.W. at 11h and 12h; clouded from 18h to 23h	0·0	0·0	0·2	1·0	62·5	40·7	—	—
25	Partially clear to 10h; remainder of day clouded; sheet lightning and thunder in S.W. from 10h to 14h; light rain between 12h and 13h	0·3	0·8	1·0	1·0	71·2	40·9	—	—
26	Clouded all day with cir., cir.-cum. and haze; lightning and thunder with showers of rain from 1h to 3h; heavy shower of rain at 6h with loud thunder, sheet lightning, and distant thunder from 9h to 12h	1·0	1·0	1·0	1·0	62·5	49·2	0·170	—
27	Generally clouded cum.-strat., cir.-cum. and haze	1·0	0·6	—	0·0	59·5	47·7	—	—
28	Mostly clear; halo round the sun at 3h 40m, diameter about 30°	0·3	—	0·3	0·5	57·3	44·2	—	—
29	Partially clouded to 8h with cum. and cum.-strat.; remainder quite clear	0·3	0·0	0·0	0·5	62·7	47·7	—	—
30	Clouded and raining from 0h to 5h 15m; clear from 10h to 14h; remainder partially clouded	1·0	0·2	0·3	1·0	67·5	38·2	0·740	—
31	Generally clouded cir.-cum. and cum.-strat.; a few clear spaces occasionally	1·0	0·8	0·8	1·0	55·8	36·2	—	—
	JUNE.								
1	Clouded to 8h with cum.-strat. and cir.-cum.; remainder of day light cir. occasionally; frost at night	0·9	0·3	0·1	1·0	46·9	35·6	—	—
2	Densely clouded all day; rain from 5h to 10h 40m and 13h to 17h	1·0	1·0	1·0	1·0	51·6	28·2	0·600	—
3	Clouded; a few clear spaces occasionally; rain from 18h to 22h 30m	1·0	1·0	—	1·0	53·8	40·7	—	—
4	Clouded; slight rain from 12h to 17h	1·0	—	1·0	1·0	54·8	43·7	0·765	—
5	Clouded; slight drizzling rain all day, except at 0h, 1h, 8h, 11h and 17h	1·0	1·0	1·0	0·8	54·8	43·7	0·330	—
6	Clouded to 9h; cir.-strat., cum.-strat. and cir.-cum.; slight rain at 4h and 6h; quite clear from 10h to 17h; clear at 21h and 22h; halo round the sun at 18h, 19h, 20h, and 23h, diameter 40°—25°	1·0	0·6	0·0	0·0	53·3	43·9	0·055	—
7	Halo round the sun at 0h; generally overcast with cir. and haze; halo round the sun at 18h and 19h; slight rain from 22h	1·0	1·0	0·2	1·0	57·8	35·2	—	—
8	Clouded; slight rain continued to 1h; remainder showery; sheet lightning in the west at 17h; halo round the sun at 21h, diameter 30° and 35°; thunder storms and vivid lightning at intervals	1·0	1·0	1·0	1·0	63·0	44·2	0·160	—
9	Clouded with cir.-cum. and cum.; halo round the moon at 9h, diameter 30° and 35°; thunder storms and vivid lightning during the day; heavy showers of rain; rainbow at 5h, lightning and thunder at night	1·0	1·0	1·0	1·0	71·8	48·1	1·220	—
10	Clouded with cir.-strat. and haze; light and moderate rain during the day, except from 0h to 1h; clouded with cir. and haze from 18h to 21h	1·0	1·0	—	1·0	77·8	47·2	0·600	—
11	Partially clouded; quite clear at 17h	0·6	—	0·4	0·0	55·3	45·7	—	—
12	Generally clear except light cir. and haze occasionally; halo round the sun at 5h and 6h, diameter 30°; clouded from 18h	0·1	0·3	0·4	1·0	61·5	44·7	—	—
13	Clouded at 0h; remainder of day partially clouded with nim., cir.-cum. and cum.; thunder storms and showers of rain during the day; rainbow at 5h 30m	0·4	0·6	0·1	0·5	73·8	48·2	0·270	—
14	Partially clouded to 5h; remainder of day quite clear	0·3	0·0	0·0	0·0	70·3	50·5	—	—
15	Clear to 1h; remainder of day clouded with cir.-cum. and cir.-strat.; slight rain at 12h, 16h, and 17h	0·7	1·0	1·0	1·0	70·1	39·2	0·030	—
16	Generally clouded with cum.-strat., cum. and nim.; rain from 7h to 8h; wind shifted at 7h from S.S.W. to N.N.W.; double rainbow at 7h 30m	0·6	1·0	0·7	0·1	61·5	49·9	0·165	—
17	Clear, except a few detached cir.-cum. generally dispersed	0·3	0·0	—	0·0	67·0	49·2	—	—
18	Generally clear	0·2	—	0·0	0·0	68·0	42·2	—	—
19	Clear, except a few cir. occasionally dispersed; partially clouded from 21h	0·2	0·0	0·0	1·0	69·8	43·2	—	—
20	Partially clouded to 9h; remainder of day quite clear; halo round the sun at 0h, diameter 30°	0·6	0·7	0·1	1·0	71·8	48·5	—	—
21	Partially clouded from 0h to 4h; remainder quite clear	0·2	0·1	0·0	—	77·8	58·0	—	—
22	Clouded with cir. and haze at 3h and 4h; remainder partially clouded; sheet lightning in N.E. and S.W. at 13h and 14h	1·0	0·7	0·2	1·0	80·8	55·0	—	—

Day.	Weather and Phenomena.	Extent of Cloudy Sky.				Max. Therm.	Min. Therm.	Rain.	Solar Rad.
		3h.	9h.	15h.	21h.				
	JUNE.					°	°	In.	°
23	Mostly clouded with cum. and cir.-cum.; thunder in N. and N.W. at 0h and 1h; sheet lightning from 9h to 13h in N.W., E. and S.E.; rain from 16h to 23h	0·7	0·7	1·0	1·0	81·8	60·0	—	—
24	Mostly clouded to 9h, remainder clear; clouded at 21h	0·6	0·0	—	1·0	79·8	59·5	0·350	—
25	Clear	0·2	—	0·0	0·5	80·8	57·5	—	—
26	Partially clouded to 5h with cir.-cum. and haze; remainder quite clear	0·5	0·0	0·0	0·0	73·8	52·0	—	—
27	Clear to 1h; partially clouded from 2h to 11h; remainder clouded with cum.-strat., cir.-strat. and cir.-cum.; clouded to 23h; rain from 18h to 19h	0·5	0·4	1·0	1·0	81·8	59·0	Not appreciable.	—
28	Partially clouded from 0h to 13h; remainder clouded with cum.-strat., cir.-cum. and cum.; rain from 15h to 15h; sheet lightning in S.W. at 16h; clouded till 23h	0·2	0·6	1·0	1·0	83·3	62·5	0·050	—
29	Partially clouded from 0h to 6h; remainder clear; thunder in N. at 4h; clouded from 19h to 20h	0·9	0·4	0·1	0·7	79·3	60·5	—	—
30	Mostly clear; auroral light in N. at 12h and 13h	0·6	0·3	0·0	0·4	80·8	54·5	—	—
	JULY.								
1	Generally clear; a few light cum.-strat. and haze occasionally round horizon; clouded at 21h; partially clouded from 22h	0·1	0·0	—	1·0	82·3	62·5	—	—
2	Partially clouded to 11h; quite clear from 12h to 17h; faint auroral light at 14h; clouded from 23h	0·6	—	0·0	0·1	86·8	66·5	—	—
3	Clouded to 6h; remainder of the day quite clear	1·0	0·0	0·0	0·6	75·8	44·7	—	—
4	Generally clouded with cir.-cum. and cir.-strat.; slight rain between 7h and 8h, and from 12h to 17h; detached cum. occasionally from 18h	0·8	1·0	1·0	0·2	72·5	47·9	0·100	—
5	Mostly clear; detached cum. occasionally to 6h; remainder quite clear	0·2	0·1	0·0	0·0	72·2	57·0	—	—
6	Partially clear from 0h to 8h; remainder clouded; rain from 15h to 19h 45m	0·2	1·0	1·0	1·0	74·8	50·5	0·310	—
7	Mostly clear from 0h to 9h; remainder quite clear; auroral light in N. at 13h and 14h; partially clouded from 18h with cum. and cir.-cum. dispersed	0·2	0·2	0·0	0·1	76·6	53·7	—	—
8	Partially clouded with cum. and cir.-cum. widely dispersed to 21h; clear from 21h	0·5	0·1	—	0·0	78·2	50·7	—	—
9	Partially clouded with cir. and cir.-cum.	1·0	—	0·6	0·7	82·8	54·0	—	—
10	Generally clouded with cir.-cum. and cir.-strat.; a few clear spaces; halo round the moon at 10h, 12h, and 13h, diameter 35° to 40°; halo round the sun from 20h, diameter from 40° to 35°	0·8	1·0	1·0	0·8	80·0	55·5	—	—
11	Halo continued round the sun to 5h; generally overcast with light cir. and haze; clear from 14h; white frost at 17h	1·0	0·7	0·0	0·0	77·2	49·5	—	—
12	Unclouded, but hazy all day	0·0	0·1	0·0	0·0	67·5	38·7	—	—
13	Unclouded, but hazy to 6h; remainder of the day light cir.-cum. and cir.; hazy from 18h to 22h	0·0	1·0	0·7	0·0	77·8	46·9	—	—
14	Clouded with cir.-cum. and haze; rain from 17h to 20h 30m	1·0	1·0	1·0	1·0	75·8	53·0	0·150	—
15	Clouded with cir.-cum. and cir.-strat.; sheet lightning in W. and N. at 11h	1·0	1·0	—	0·6	84·3	62·2	1·000	—
16	Mostly clouded with cir.-cum. and cir.-strat.; incessant sheet lightning in E. and S. horizon from 12h to 15h; rain at 17h	0·9	—	1·0	1·0	75·5	61·6	0·100	—
17	Generally clouded, with occasional clear intervals; heavy thunder-storms with rain during the day, and vivid forked and sheet lightning	1·0	0·3	0·2	0·6	77·3	63·5	1·690	—
18	Mostly clear; detached cum. and cir.-cum. occasionally dispersed over the sky	0·5	0·1	0·0	0·1	81·0	62·5	—	—
19	Clear all day except occasional cir.-cum. and cum.-strat. in S. and W. horizon	0·1	0·0	0·0	0·0	84·4	60·2	—	—
20	Quite clear all day	0·0	0·0	0·0	0·0	71·5	45·2	—	—
21	Quite clear all day	0·0	0·0	0·0	0·0	75·3	42·2	—	—
22	In general clear; a few light cir. and cir.-cum. to 7h; clear at 21h; partially clouded from 22h	0·4	0·0	—	0·0	75·8	52·0	—	—
23	Partially clouded to 13h; remainder of the day densely clouded; lightning and thunder from 12h to 14h; rain from 14h to 17h 45m	0·4	—	1·0	1·0	81·8	55·5	0·550	—
24	Partially clouded from 0h to 6h; remainder of day quite clear	0·6	0·0	0·0	0·0	82·8	63·5	—	—
25	Partially clouded from 1h to 5h with cir. and cir.-strat.; remainder of day quite clear; auroral light in N. from 9h to 13h	0·7	0·0	0·0	0·4	77·6	56·7	—	—
26	Partially clouded at intervals; thunder and lightning at 0h and 1h with drops of rain; very heavy storm of lightning and rain at 6h; lightning continued to 14h; auroral light in N. at 10h, 14h, and 15h	0·7	0·1	0·0	0·0	77·8	52·5	0·525	—
27	Generally clear to 17h, when it clouded over with cir.-strat., cir. and haze	0·1	0·1	0·5	0·0	85·8	57·5	—	—
28	Clouded and clear alternately with cir.-cum. and cir.-strat.; lightning, thunder and rain from 3h to 5h; lightning in S. at 10h and 11h	0·9	0·1	0·8	1·0	75·8	58·0	0·180	—
29	Partially clear	0·7	0·2	—	0·0	82·3	61·8	—	—

Day.	Weather and Phenomena.	Extent of Cloudy Sky. 3h.	9h.	15h.	21h.	Max. Therm.	Min. Therm.	Rain.	Solar Rad.
	JULY.					°	°	In.	°
30	Clear except at 3h; cir.-cum. and cir. dispersed; clear at intervals	0·5	—	0·0	0·0	70·8	50·5	—	—
31	Partially clouded with cum. and cir.-cum.; generally clear from 18h to 23h	0·7	0·6	0·3	0·0	71·8	44·7	—	—
	AUGUST.								
1	Clear from 14h to 17h; remainder of day mostly clouded with detached cir.-cum.	0·8	0·8	1·0	0·0	73·8	51·5	—	—
2	Clear from 12h to 17h; remainder of day partially clouded with light cir.-cum.	0·2	0·3	0·0	0·0	72·8	44·0	—	—
3	Generally clear; light haze; auroral light from 9h 30m to 10h 15m	0·1	0·0	0·0	0·0	75·8	49·2	—	—
4	Unclouded and light haze to 2h; remainder of day clouded with cir.-cum. and cum.-strat.; a few clear spaces	0·3	0·7	0·9	1·0	80·8	53·5	—	—
5	Clouded with cir.-cum. and haze to 6h, some clear spaces during the remainder of the day	1·0	0·4	—	1·0	78·8	60·0	—	—
6	Generally clouded with cir., cir.-strat. and haze	0·9	—	1·0	1·0	79·2	58·5	—	—
7	Clouded all day with cir.-cum. and cir.-strat.; thunder and rain between 0h and 3h; halo round the moon at 12h and 13h, diameter about 40°	1·0	1·0	1·0	1·0	77·3	63·0	0·205	—
8	Clouded all day with cum., cir.-cum. and haze; halo round the moon at 12h, 13h, and 14h; imperfect	1·0	1·0	1·0	1·0	81·8	61·5	—	—
9	Clouded all day with cir.-cum. and haze; light cir. and cir.-strat. from 15h to 23h	1·0	1·0	0·9	0·0	76·8	52·5	—	—
10	Unclouded but hazy; light cir. and cir.-strat. to 14h	1·0	0·9	0·0	0·0	74·3	56·5	—	—
11	Generally unclouded; hazy; light cir.-cum. and cum. occasionally from 0h to 10h	0·5	0·2	0·0	0·8	77·8	60·0	—	—
12	Clouded generally with cir. and haze to 8h; remainder of day clear	0·7	0·0	—	0·0	79·5	55·5	—	—
13	Mostly clouded with cir.-cum. and cir.; rain from 19h to 21h 30m	0·6	—	0·9	1·0	82·3	53·5	1·270	—
14	Partially clouded from 0h to 9h with cir.-cum. and cum.-strat; remainder of the day clear	0·3	0·3	0·0	0·6	82·9	60·0	—	—
15	Clear from 9h to 14h; remainder of day partially clouded with cir.-cum. and cum.-strat.	0·4	0·0	0·5	0·0	80·8	57·5	—	—
16	Clear to 12h; remainder of the day clouded with cir.-cum. and cum.-strat.; lightning in N.W. at 9h; thunder and lightning from 14h to 18h, accompanied with rain; halo round the moon at 12h	0·0	0·0	1·0	1·0	77·0	54·0	0·125	—
17	Clouded with cir.-cum. and cum.-strat. all day	1·0	1·0	1·0	1·0	81·9	62·0	—	—
18	Clear from 8h to 11h; remainder of day mostly clouded; halo round the sun from 20h	0·8	0·0	0·5	0·5	78·0	56·9	—	—
19	Halo continued round the sun to 2h, diameter about 30°; mostly clouded with light cir. and haze	1·0	1·0	—	1·0	73·3	47·7	—	—
20	Clouded most of the day with cir.-strat. and cir.-cum.; clear at 12h and 17h	1·0	—	0·8	0·0	72·3	57·5	—	—
21	Clear, except a few scattered cum. in N. horizon; hazy to 21h	0·1	0·2	0·0	0·0	72·6	55·0	—	—
22	Partially clouded to 6h; remainder of the day clouded with cir.-cum. and cir.-strat.	0·3	1·0	0·6	0·0	74·8	51·5	—	—
23	Generally clear; a few cum. and cir.-cum. occasionally	0·2	0·1	0·0	0·0	72·8	51·5	—	—
24	Mostly clear; overcast from 5h to 9h with light cir. and cir.-strat.	0·2	0·4	0·0	0·0	75·6	46·7	—	—
25	Clouded with light cir. and haze from 4h to 8h; remainder of day clear	0·3	0·0	0·0	0·0	75·8	49·7	—	—
26	Partially clouded with cir.-cum. and haze	0·5	0·7	—	1·0	77·3	55·0	—	—
27	Generally clouded; heavy rain from 9h to 11h 30m with lightning and thunder; slight rain and sheet lightning continued to 15h; clouded to 23h, when the weather began to clear	0·9	—	0·8	1·0	83·1	61·0	3·250	—
28	Cleared gradually to 7h; remainder of day quite clear	0·4	0·0	0·0	0·0	79·3	65·0	—	—
29	Clear all day, except light haze round horizon	0·0	0·0	0·0	0·0	77·8	60·0	—	—
30	Unclouded, but light haze to 5h; remainder of day partially clouded with cir.-cum. and cir.-strat.	0·1	0·4	0·8	0·5	77·8	55·5	—	—
31	Partially clouded all day with cir.-cum.; clear spaces	0·4	0·6	0·1	1·0	83·0	64·5	—	—
	SEPTEMBER.								
1	Clouded all day with cir.-cum. and haze; a few drops of rain at 21h	1·0	1·0	0·8	1·0	85·8	62·3	—	—
2	Clouded all day with cir.-cum. and haze; a few drops of rain at 4h and 5h; fog at 11h	0·8	1·0	—	1·0	80·0	64·5	—	—
3	Dense mist; partially clear from 3h; sheet lightning in horizon at 12h and 13h; partially clouded from 18h	0·6	—	0·8	0·2	83·3	70·0	—	—
4	Partially clouded from 0h to 12h; totally clouded with cum.-strat. and cir.-cum. to 23h	0·6	0·3	1·0	1·0	89·0	65·0	—	—
5	Partially clouded from 0h to 9h; remainder of day clouded with cir., cir.-cum. and cir.-strat.	0·3	0·5	1·0	1·0	80·8	60·0	—	—
6	Clouded all day with cir.-cum. and haze; rain from 16h to 20h 15m	1·0	1·0	1·0	1·0	72·3	57·5	—	—

Day.	Weather and Phenomena.	Extent of Cloudy Sky. 3h.	9h.	15h.	21h.	Max. Therm.	Min. Therm.	Rain.	Solar Rad.
	SEPTEMBER.					°	°	In.	°
7	Partially clear from 0h to 11h; remainder of day clouded with cir.-cum. and cum.-strat.	0·6	0·0	1·0	1·0	71·8	64·5	0·470	—
8	Partially clouded to 12h; remainder of day quite clear	0·7	0·2	0·0	0·0	72·8	60·0	—	—
9	Partially clouded from 0h to 8h; remainder clouded; halo round the moon at 8h, 9h, and 10h, diameter about 35° to 40°	0·2	0·8	—	1·0	75·8	47·2	—	—
10	Clouded to 11h, remainder nearly clear; frost at 15h	0·9	—	0·1	0·1	63·4	43·2	—	—
11	Clear all day except a few light cir.-cum. in S. horizon	0·0	0·0	0·0	0·0	62·0	39·7	—	—
12	Unclouded but hazy; clouded with cir.-cum. and haze from 19h	0·0	0·0	0·0	1·0	65·5	41·7	—	—
13	Clouded with cir.-cum. and haze; rain from 12h to 17h	1·0	1·0	1·0	1·0	62·5	42·2	0·200	—
14	Continued raining from 0h to 22h 30m; clouded	1·0	1·0	1·0	1·0	62·0	54·5	3·455	—
15	Clouded to 1h; remainder partially clear and clouded alternately; rain at intervals from 8h to 13h	0·7	0·1	0·4	0·1	59·3	54·5	1·720	—
16	Partially clouded to 6h; remainder of day quite clear	0·6	0·0	—	0·0	71·1	56·0	—	—
17	Clear to 13h; remainder partially clouded; sheet lightning round horizon from 12h to 14h	0·0	—	0·8	0·4	69·8	57·0	—	—
18	Partially clear to 7h; remainder of day quite clear; faint auroral light in the N. at 10h and 14h	0·8	0·0	0·0	0·0	75·8	60·8	—	—
19	Cloudy from 0h to 6h, and at 8h and 9h; clear at 17h; remainder partially clear; rain between 21h and 23h	1·0	0·3	1·0	0·8	76·8	47·2	—	—
20	Slight showers; generally clear	0·2	0·0	0·0	0·0	65·7	54·5	0·400	—
21	Clouded from 1h to 6h; cir.-cum. and cum.-strat.; remainder mostly clear; heavy shower of rain at 4h 30m; sheet lightning from 6h to 10h in S.S.E., N.W. and N.; auroral light in N. at 12h; halo round the sun at 22h, diameter 35°	0·9	0·2	0·1	0·3	78·1	57·0	0·080	—
22	Densely clouded all day; heavy shower of rain at 16h 30m; hazy from 18h to 22h	1·0	1·0	1·0	1·0	86·6	46·7	—	—
23	Generally clear; very heavy rain at 23h	0·6	0·7	—	1·0	63·5	53·7	0·140	—
24	Mostly clouded; very heavy rain from 6h to 22h 40m; lightning and thunder	0·7	—	1·0	1·0	75·8	62·2	2·250	—
25	Clouded all day with cir.-cum., cum.-strat. and haze	1·0	1·0	1·0	0·8	78·3	54·0	0·045	—
26	Generally clouded all day; a few clear spaces; cir.-strat. and haze generally	0·8	0·6	1·0	0·3	59·0	46·2	—	—
27	Clear all day; auroral light in the N. from 9h to 14h; frost; halo round the sun at 22h, diameter about 35°	0·0	0·0	0·0	1·0	49·8	36·7	—	—
28	Clouded to 5h with cir. and haze; clear from 6h to 12; remainder of day mostly clouded	0·8	0·0	0·9	1·0	51·8	32·2	—	—
29	Partially clouded to 5h, remainder clear; faint auroral light to N. at 10h; clouded from 15h to 20h; clear at 21h; partially clear from 22h	0·5	0·0	0·0	0·0	56·8	38·2	—	—
30	Partially clear from 0h to 4h; remainder of day clouded; rain from 9h	0·3	1·0	—	1·0	63·0	41·7	1·000	—
	OCTOBER.								
1	Generally clouded with cir. and cir.-strat.; clear from 15h to 17h	0·6	—	0·0	0·8	64·5	55·5	0·180	—
2	Partially clouded with cir.-cum. generally dispersed	0·5	0·0	0·3	0·4	68·0	49·7	—	—
3	Generally clouded with cum. and cum.-strat.; squally; light showers of rain occasionally	1·0	0·9	1·0	0·3	61·3	43·5	0·060	—
4	Partially clouded with cir.-cum. and cir.; a few showers of rain; quite clear at 10h, 11h, and from 17h to 23h	0·4	0·1	0·2	0·0	54·8	41·2	0·055	—
5	Partially clouded with light cir. and cir.-strat.; clear from 18h to 20h	0·1	0·8	0·1	0·8	54·3	35·2	—	—
6	Clouded with cir.-cum., cir.-strat. and haze; slight rain from 10h to 17h	1·0	1·0	1·0	1·0	59·6	42·7	0·130	—
7	Constant rain to 12h	1·0	1·0	—	0·3	64·7	54·0	1·685	—
8	Clouded at 3h; quite clear from 12h	1·0	—	0·0	1·0	56·8	46·7	0·040	—
9	Clouded to 10h; a few drops of rain at 8h and 9h; remainder of day clear; halo round the sun at 21h, diameter about 40°; imperfect	1·0	1·0	0·1	1·0	53·8	32·7	0·010	—
10	Clouded with cir.-strat., cir.-cum. and haze	1·0	1·0	1·0	1·0	52·6	34·5	—	—
11	Densely clouded with cir.-strat. and haze; moderate drizzling rain at intervals.	1·0	1·0	1·0	0·5	51·8	45·2	0·220	—
12	Partially clear to 6h; slight rain at 1h; quite clear from 7h to 13h	0·8	0·0	0·2	0·7	52·8	38 7	0·045	—
13	Partially clear to 7h; remainder of day quite clear	1·0	0·0	0·0	1·0	54·3	32·1	—	—
14	Generally clouded with cir.-cum. and cum.-strat.; a few drops of rain at 4h	1·0	1·0	—	1·0	47·9	29·7	—	—
15	Clouded with cir.-strat. and cir.-cum.; drizzling rain from 12h to 17h; slight rain from 18h to 19h	1·0	—	1·0	1·0	44·1	28·9	0·290	—
16	Clouded with cir.-strat. and haze; slight rain from 18h to 20h	1·0	1·0	1·0	1·0	46·4	37·7	0·030	—
17	Clouded with cum.-strat., cir.-cum. and haze; a few flakes of snow at 3h	1·0	1·0	1·0	1·0	49·0	36·7	0·015	—
18	Clouded to 9h; remainder of the day generally clear	1·0	1·0	0·1	0·6	44·1	37·4	—	—
19	Mostly clouded with cir.-cum. and cum.-strat.; clear from 7h to 10h	0·6	0·0	0·7	1·0	50·3	30·9	—	—
20	Generally clear; sheet lightning in W. horizon from 14h to 17h; heavy rain from 18h to 19h 30m	0·3	0·0	0·6	1·0	48·9	35·2	—	—

Day.	Weather and Phenomena.	Extent of Cloudy Sky. 3h.	9h.	15h.	21h.	Max. Therm.	Min. Therm.	Rain.	Solar Rad.
	OCTOBER.					°	°	In.	°
21	Mostly clouded with cir.-cum. and haze; clear at 21h	0·3	1·0	—	0·0	57·8	48·7	0·580	—
22	Clouded at 3h; quite clear from 12h to 17h	1·0	—	0·0	0·0	51·8	32·7	—	—
23	Quite clear to 14h; remainder of the day partially clear	0·0	0·0	0·6	0·5	41·9	24·2	—	—
24	Generally clear to 15h; remainder clouded; rain from 16h 30m to 19h 15m	0·8	0·0	0·3	0·5	40·4	27·2	—	—
25	Partially clear from 0h to 12h; remainder clouded with cir.-cum. and cum.-strat.	0·8	0·3	1·0	0·5	45·9	31·1	0·460	—
26	Generally clouded with cir.-cum. and cum.-strat.; snow from 13h to 23h	0·3	1·0	1·0	1·0	48·4	26·2	—	—
27	Clouded to 11h; remainder of the day quite clear	1·0	1·0	0·0	0·0	41·9	27·5	—	—
28	Partially clouded to 9h; remainder of the day clouded with cir. and haze; halo round the moon at 8h and 9h, diameter about 35°, imperfect	0·4	0·6	—	1·0	33·4	25·2	—	—
29	Clouded to 11h; cir.-strat. and haze; occasional showers of rain, hail, and snow; clear from 12h to 17h, clouded from 18h to 23h	1·0	—	0·1	1·0	42·9	31·7	—	—
30	Partially clear from 0h to 9h; cum., cir.-cum. and haze; clear from 11h to 14h remainder partially clear; slight showers of snow occasionally	0·5	0·7	0·9	0·2	45·9	32·2	—	—
31	Generally clouded with cir.-cum. and haze; a few clear spaces occasionally; slight snow from 22h	0·9	0·2	1·0	1·0	38·4	25·7	—	—
	NOVEMBER.								
1	Clouded all day with cir.-strat. and haze; slight snow continued to 2h, and turned to rain, which continued all day	1·0	1·0	1·0	1·0	40·5	27·2	0·975	—
2	Generally clouded; slight rain at 2h, 3h, and 7h	1·0	0·2	0·9	0·6	38·7	33·3	—	—
3	Clouded and partially clear alternately; cum., cir.-cum. and haze	0·9	1·0	0·3	0·4	39·9	30·7	—	—
4	Densely clouded all day with cum.-strat. and cum.	1·0	1·0	—	1·0	37·1	23·7	—	—
5	Clear throughout the day	0·0	—	0·0	1·0	30·7	24·7	—	—
6	Generally clouded; cum., cir.-strat. and cir.-cum.; slight snow from 17h to 22h	0·5	1·0	1·0	1·0	30·2	18·4	—	—
7	Generally clouded; cir.-cum., cum.-strat., cir.-strat. and haze; partially clear from 18h to 21h	1·0	1·0	0·3	0·7	35·6	27·2	—	—
8	Densely clouded all day with cir.-cum., cum.-strat., and haze	1·0	1·0	1·0	1·0	36·9	31·7	—	—
9	Overcast all day with cir.-strat. and haze; imperfect halo round the sun at 0h, diameter about 30°; slight sleet and drizzling rain from 11h to 22h	1·0	1·0	1·0	1·0	37·7	30·2	0·250	—
10	Densely clouded with cir.-cum. and haze; slight rain commenced at 21h 30m	1·0	0·6	1·0	1·0	39·4	33·2	0·240	—
11	Rain continued to 5h; clouded to 6h; remainder of the day nearly clear	1·0	0·1	—	—	40·4	33·7	0·250	—
12	Clouded with cir.-strat., cum. and cum.-strat.; halo round the moon from 14h to 16h, diameter about 22°, perfect	1·0	—	1·0	1·0	37·9	25·7	—	—
13	Clouded to 4h with cir.-cum. and haze; squalls of wind and showers of snow from 0h to 4h; remainder of the day partially clear	1·0	0·2	0·7	0·5	33·9	27·7	—	—
14	Partially clear to 14h; remainder of the day clouded with cir.-cum., cir.-strat. and haze; halo round the moon at 13h 30m, diameter about 35°	0·5	0·8	1·0	1·0	36·9	19·9	—	—
15	Overcast all day with cir.-strat. and haze; snow from 0h to 2h 15m, when it turned to rain and continued to 23h	1·0	1·0	1·0	1·0	33·1	22·2	0·175	—
16	Clouded to 7h with cir.-cum. and haze; remainder of the day clear	1·0	0·0	0·5	1·0	41·4	32·7	—	—
17	Clouded to 12h with cir.-cum. and haze; remainder of the day nearly clear; rain from 1h to 12h 20m; high wind with occasional violent gusts	1·0	1·0	0·1	1·0	49·2	29·2	2·020	—
18	Clouded to 4h with cum.-strat. and cum.; remainder of the day partially clear	1·0	1·0	—	1·0	43·9	34·7	—	—
19	Clouded from 0h to 3h with cir.-cum. and cum.-strat.; remainder of the day quite clear	1·0	—	0·0	0·0	45·9	30·7	—	—
20	Clouded and clear alternately to 5h; remainder of the day clouded with cir.-strat. and cir.-cum.; slight rain from 9h to 10h 30m	0·7	1·0	1·0	1·0	42·4	27·2	0·400	—
21	Clouded to 5h with cir.-cum., cum.-strat. and haze; remainder of day partially clear	1·0	0·5	0·0	1·0	43·4	35·2	—	—
22	Clouded to 7h with cir.-cum. and cum.-strat.; remainder of day quite clear; slight rain from 21h to 23h	1·0	0·0	0·0	1·0	45·4	30·2	0·070	—
23	Clouded all day with cir.-strat. and haze; slight rain from 6h 20m to 10h 40m	1·0	1·0	0·9	0·9	36·7	24·5	0·210	—
24	Partially clouded from 0h to 10h; clouded from 11h to 15h with cir.-cum. and cir.-strat.; remainder clear	0·3	0·4	1·0	0·1	52·6	33·7	—	—
25	Generally clear; a few light cir. occasionally	0·2	0·0	—	1·0	46·4	27·9	—	—
26	Clouded all day with cir.-cum., cum.-strat. and haze	1·0	—	1·0	1·0	40·9	27·2	—	—
27	Clouded to 1h with cir.-cum., cum.-strat. and cum.; clear to 21h; from 21h clouded with cir.-cum.	0·0	0·0	0·0	0·2	37·1	20·7	—	—
28	Clouded all day with cir.-cum. and haze	1·0	1·0	1·0	1·0	26·7	14·1	—	—

Day.	Weather and Phenomena.	Extent of Cloudy Sky.				Max. Therm.	Min. Therm.	Rain.	Solar Rad.
		3h.	9h.	15h.	21h.				
	NOVEMBER.					°	°	In.	°
29	Clouded to 1h with cir.-cum. and cum.-strat.; a few light showers of snow; faint aurural light in the N. at 7h; partially clear from 18h to 22h; clouded with cir.-cum. and haze from 22h - - -	1·0	1·0	1·0	0·3	30·9	21·5	—	—
30	Clouded all day with cir.-cum. and haze - - - - -	1·0	1·0	1·0	1·0	34·3	22·7	—	—
	DECEMBER.								
1	Clouded all day with cir.-cum., cum.-strat. and haze - - -	1·0	1·0	1·0	1·0	30·7	24·7	—	—
2	Clouded to 2h; remainder of the day mostly clear - - -	0·6	0·1	—	0·0	33·9	27·7	—	—
3	Generally clear; from 21h clouded with cir.-cum., cir.-strat. and haze -	0·2	—	0·0	0·0	36·9	22·2	—	—
4	Clouded all day with cir.-cum., cir.-strat. and haze; slight rain at 4h, and constant snow from 12h to 19h 20m - - - - -	1·0	1·0	1·0	1·0	37·3	29·2	—	—
5	Generally clouded all day with cir.-cum. and cum.-strat. - -	0·7	1·0	1·0	1·0	42·4	24·1	—	—
6	Clouded all day with cir.-cum. and haze; snowing from 0h to 6h -	1·0	1·0	1·0	1·0	27·7	12·4	—	—
7	Clouded all day with cir.-cum. and haze; snowing from 0h to 8h -	1·0	1·0	1·0	1·0	31·9	25·7	—	—
8	Clouded all day with cir.-cum., cir.-strat. and haze; halo round the moon from 10h to 11h, diameter about 40°; began to snow at 23h 30m	1·0	1·0	1·0	1·0	31·9	27·2	—	—
9	Snow ceased at 2h 40m; clouded till 5h with cir.-cum. and haze; remainder of the day nearly clear - - - - - -	1·0	0·1	—	1·0	32·9	25·2	—	—
10	Clouded all day with cir.-cum., cir.-strat., and haze; halo round the moon at 14h, diameter about 40°, imperfect - - - -	1·0	—	1·0	1·0	33·1	17·3	—	—
11	Generally clouded to 10h with cir.-cum. and cum.-strat.; partially clouded to 21h; faint aurural light in N. at 7h and 8h; squalls of wind with sleet between 6h and 7h; clear from 21h - - -	0·4	0·8	0·3	1·0	37·5	25·3	—	—
12	Clear to 18h; high wind; clouded with cir.-cum. and haze from 18h to 21h; remainder of day partially clear - - - - -	0·1	0·0	0·0	1·0	38·1	13·9	—	—
13	Partially clear and clouded alternately throughout the day; halo round the sun at 0h, and round the moon at 12h, both imperfect; diameters respectively about 30° and 35° - - - - - -	0·1	1·0	0·2	0·8	18·7	3·1	—	—
14	Clouded all day with cir.-cum., cir.-strat. and haze - - -	1·0	1·0	1·0	1·0	31·9	14·4	—	—
15	Clouded all day with cir. and haze; constant rain and snow from 2h -	1·0	1·0	1·0	1·0	38·4	31·7	0·450	—
16	Rain continued to 6h; clouded all day with dense haze - - -	1·0	1·0	—	1·0	38·1	33·2	0·400	—
17	Clouded all day with cir.-cum. and haze; slight rain from 12h to 14h; snow from 14h to 21h 15m - - - - - - -	1·0	—	1·0	1·0	35·1	28·7	—	—
18	Clouded all day with cir.-cum. and haze - - - - -	1·0	1·0	1·0	1·0	38·7	29·7	—	—
19	Clouded all day with cir.-cum. and haze - - - - -	1·0	1·0	1·0	1·0	33·9	27·7	—	—
20	Clouded all day with cir.-cum., cir.-strat. and haze - - -	0·9	1·0	1·0	1·0	34·6	28·7	—	—
21	Partially clear from 1h to 8h; remainder of day densely clouded -	0·9	1·0	1·0	1·0	48·5	33·2	—	—
22	Clouded all day with cir., cir.-cum. and haze - - - -	1·0	1·0	1·0	1·0	38·9	28·7	—	—
23	Clouded all day with cir.-cum. and haze; raining from 1h to 11h -	1·0	1·0	—	1·0	38·4	31·5	0·090	—
24	Clouded all day with cir.-cum. and haze - - - - -	1·0	—	—	1·0	35·3	33·2	—	—
25	Clouded all day with cir.-cum., cir.-strat. and haze - - -	0·9	—	1·0	1·0	39·8	32·7	—	—
26	Clouded all day with cir.-cum. and haze; high wind; slight rain from 3h to 14h - - - - - - - - - -	1·0	1·0	1·0	0·7	38·7	28·7	0·100	—
27	Clouded all day with cir.-cum. and haze - - - - -	1·0	1·0	1·0	1·0	39·7	34·7	—	—
28	Clouded all day with cir.-cum. and haze; slight snow from 0h to 4h -	1·0	1·0	1·0	1·0	40·8	31·7	—	—
29	Generally clouded with cir.-cum. and cum.-strat.; a few clear spaces at intervals - - - - - - - - - -	1·0	0·9	0·6	0·6	37·7	24·7	—	—
30	Generally clear all day - - - - - - - -	0·1	0·0	—	0·5	28·5a	25·2a	—	—
31	Partially clouded with light cir.-strat. - - - - - -	0·2	—	0·0	1·0	30·7	25·7	—	—

a Taken from the highest and lowest readings of the Standard Thermometer.

TORONTO, 1844.

MAGNETICAL OBSERVATIONS.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div	Sc. Div	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
JANUARY.	1	127·0	125·8	129·0	130·4	128·8	125·0	122·0	123·0	123·4	122·8	121·2	125·3
	2	127·3	126·6	122·5	126·7	126·2	125·2	121·1	122·6	120·4	120·3	120·5	123·3
	3	125·2	126·1	128·0	129·2	128·0	126·1	124·2	122·8	123·0	123·2	125·0	126·0
	4	126·2	127·0	128·8	131·0	128·8	125·5	123·3	123·9	124·1	124·2	122·6	122·5
	5	128·8	129·0	128·0	131·6	130·2	127·1	123·5	121·4	118·9	121·0	116·7	124·1
	6	125·0	127·0	129·5	128·8	125·7	127·4	126·3	122·4	123·2	120·1	125·8	124·0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	124·0	128·0	127·4	127·6	125·5	126·0	123·2	122·8	124·0	123·8	121·5	128·2
	9	127·0	128·0	129·8	129·2	128·3	127·6	124·9	125·0	121·8	124·6	122·9	123·3
	10	123·9	128·4	129·4	130·0	131·3	130·2	125·8	121·1	119·7	119·2	120·0	125·3
	11	127·0	127·1	130·0	134·3	132·8	128·8	125·0	121·4	120·0	121·5	124·8	125·3
	12	126·3	127·2	129·2	130·0	128·3	125·9	121·5	119·0	119·1	121·2	124·0	121·9
	13	127·2	127·3	129·8	131·1	128·5	124·6	121·4	120·3	120·7	123·1	125·0	126·5
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	127·3	127·0	129·3	130·0	129·2	126·9	122·5	121·5	123·1	123·4	124·1	125·5
	16	126·0	129·0	130·0	131·2	128·1	124·7	121·9	121·2	121·8	123·4	125·3	126·2
	17	128·4	127·0	130·0	129·8	128·2	124·8	121·5	120·0	120·0	120·0	123·1	124·9
	18	127·5	128·0	129·1	131·0	126·0	123·6	121·2	123·5	124·1	125·1	125·0	125·9
	19	127·0	128·2	128·8	128·1	128·0	126·8	125·0	124·0	123·9	124·0	124·9	125·2
	20	130·0	129·5	129·3	129·0	128·0	126·8	125·2	125·0	125·0	125·8	125·4	125·9
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	127·0	127·2	126·5	119·7	121·0	121·0	120·2	118·2	121·2	125·1	125·8	126·4
	23	131·0	129·0	130·1	127·0	125·0	123·2	122·2	120·8	123·3	126·0	126·8	126·7
	24	128·0	129·0	129·8	129·0	126·8	123·1	121·1	120·2	121·4	124·3	125·6	126·5
	25	128·2	124·9	125·2	121·3	119·5	124·0	123·8	123·0	125·1	126·4	127·7	127·2
	26	127·6	128·6	130·0	129·0	127·2	125·2	123·5	122·4	123·5	125·8	125·2	125·1
	27	128·0	128·3	130·0	128·8	127·4	125·5	126·0	124·2	122·8	126·0	125·7	126·0
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	125·0	126·7	128·3	129·8	128·4	127·0	124·9	122·0	122·0	122·3	123·4	125·4
	30	127·4	125·7	127·9	128·0	126·8	125·2	123·2	121.0	123·9	124·7	125·8	125·4
	31	127·6	128·1	129·0	127·8	127·4	126·3	126·5	124·3	122·7	121·9	123·2	127·1
Hourly Means		127·07	127·54	128·69	128·87	127·39	125·69	123·37	122·19	122·30	123·30	124·04	125·49
FEBRUARY.	1	125·0	124·2	125·0	127·6	126·2	120·5	118·6	118·5	120·7	118·1	128·7	124·5
	2	129·3	127·0	127·8	128·5	128·0	123·4[a]	113·9	114·6	121·9	125·1	127·2	126·0
	3	127·0	130·0	129·2	127·0	126·4	124·1	123·7	121·2	122·1	126·7	123·5	124·0
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	127·2	126·5	134·1	131·8	126·9	120·9	117·4	118·1	120·6	115·1	119·7	125·4
	6	127·3	127·9	129·9	129·3	126·3	123·5	120·2	121·2	122·6	122·5	126·7	127·0
	7	128·0	128·2	127·8	128·2	124·6	121·0	120·0[b]	121·2	118·1	122·6	126·5	121·8
	8	131·0	135·4	137·1	129·0	126·0[c]	112·1	115·0	118·4	120·8	123·2	125·2	127·2
	9	128·0	129·0	128·2	128·0	126·6	125·0	123·0	122·0	123·8[a]	125·2	126·9	126·6
	10	129·5	129·0	128·2	128·0	127·1	126·0	124·4	124·1	122·8	122·0	123·3	124·1
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	125·8	127·6	128·0	127·3	126·8	125·2	123·1[a]	123·0	123·5	125·7	126·1	125·8
	13	128·0	129·0	128·3	128·6	128·0	125·0	124·0	122·5	124·0	125·6	126·5	124·9
	14	127·3	127·6	127·4	128·9	126·7	125·0	124·1	124·2	124·9	127·3	127·1	126·0
	15	128·1	130·0	129·0	128·2	125·0	122·0	120·1	121·5	123·6	124·1[d]	123·2	123·2
	16	128·8	128·3	128·0	127·6	124·8	123·8	123·0	123·6	125·0	126·2	126·0	124·8
	17	129·0	129·0	129·7	129·0	125·1	123·0	120·0	119·0	121·0	123·8	125·9	127·7
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	129·0	129·7	131·0	128·0	124·8	121·9	121·4	121·2	121·6	123·0	125·4	126·3
	20	130·5	129·5	129·9	129·0	126·7	125·0	123·0	122·1	122·2	124·0	125·2	125·7
	21	127·8	129·0	129·2	129·2	127·2	125·0	122·4	121·6	122·8	123·7	125·0	126·3
	22	130·0	132·0	132·1	130·4	127·5	125·2[a]	122·2	120·3	120·0	119·4	122·8	126·2
	23	128·2	129·2	130·7	128·8	125·8	124·8	122·4	122·2	123·2	124·4	124·8	124·7
	24	129·0	129·9	130·2	129·1	127·0	122·2	122·0	123·0	124·6	126·1	126·1	126·0
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	129·2	129·0	129·6	129·0	127·0	126·7	124·6	124·6	123·9	124·1	126·1	125·9
	27	128·4	131·0	129·1	129·5	128·0	124·3	123·0	121·9	122·8	124·8	126·0	126·2
	28	129·0	130·5	130·0	130·4	127·2	128·2	124·0	124·6	120·0	120·8	120·8	112·0
	29	124·0	127·0	128·8	129·8	127·6	125·1	122·7	118·8	122·1	123·6	124·4	125·8
Hourly Means		128·18	129·02	129·53	128·81	126·53	123·56	121·53	121·34	122·34	123·48	125·16	124·96

[a] Five minutes late. [b] Two minutes late. [c] Four minutes late. [d] Three minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declinations.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means.	
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
126·5	127·4	127·5	127·5	127·3	126·4	126·0	125·8	125·5	126·5	127·1	128·0	126·14	
125·5	126·7	128·9	127·2	127·0	125·8	125·8	125 5	125·2	125·4	125·5	125·5	124·86	
126·0	126·4	126·4	126·5	126·8	127·5	126·2	125·6	126·0	125·4	125.8	125·0	125·85	
121·2	126·6	127·0	126·8	149·0	133·9	130·9	127·2	125·8	125·2	129·2	124·5	127·30	
126·1	127·4	127·0	131·2	128·5	125·0	128·0	128·5	128·0	127·5	127·2	120·0	126·03	
127·5	127·8	128·3	129·8	128·5	127·6	—	—	—	—	—	—	126·44	126·29
—	—	—	—	—	—	126·3	127·0	128·0	127·2	125·4	126·0		
128·0	133·5	127·7	131·1	135·0	127·3	128·6	126·5	127·2	125·0	122·9	123·0	126·58	
125·0	128·1	127·9	129·4	132·2	128·5	127·5	129·4	126·3	124·3	126·0	124·2	126·72	
125·0	124·0	126·1	128·0	128·8	127·0	126·9	127·8	128·3	127·0	127·0	128·0	126·17	
125·1	129·8	125·4	128·1	128·2	127·7	127·2	127·9	126·4	125·0	125·2	125·2	126·63	
125·6	128·3	129·8	128·8	127·8	128·0	128·0	127·5	128·4	130·9	127·4	127·1	126·42	
127·4	127·2	128·0	128·8	128·2	127·3	—	—	—	—	—	—	126·33	
—	—	—	—	—	—	126·8	127·2	127·0	126·5	125·8	126·2		
125·0	125·6	125·8	129·0	127·6	126·5	125·4	125·4	125·8	126·1	126·0	126·6	126·02	
127·4	128·3	128·5	127·2	127·5	125·6	127·0	126·2	126·6	127·0	126·9	127·0	126·42	
126·2	127·1	128·5	127·9	127·2	126·6	125·0	125·4	126·0	127·8	127·0	126·9	125·80	
128·0	128·9	127·1	127·2	127·2	126·8	125·0	125·4	127·5	127·1	127·0	126·8	126·42	
126·0	125·5	128·4	128·4	128·1	126·7	124·0	126·7	127·3	128·8	131·9	129·5	126·88	
126·2	127·2	127·0	127·2	128·3	125·1	—	—	—	—	—	—	126·78	126·34
—	—	—	—	—	—	125·8	125·2	125·5	126·2	128·1	126·0		
126·5	126·2	128·1	126·9	127·0	126·4	123·6	126·7	126·9	129·6	129·9	130·0	125·30	
127·4	127·4	127·2	126·8	126·8	126·2	125·9	126·0	126·0	126·0	126·8	127·6	126·30	
128·0	127·8	127·1	126·2	134·7	131·0	138·1	135·6	129·5	134·2	131·3	130·1	128·27	
127·0	127·6	127·0	127·2	126·8	125·2	124·0	122·8	123·0	126·7	126·8	126·2	125·27	
126·1	125·7	128·5	128·0	127·4	124·4	127·4	125·2	126 0	127·4	127·8	126·3	126·39	
126·6	126·0	126·5	126·2	125·9	126·5	—	—	—	—	—	—	126·27	
—	—	—	—	—	—	—	126·2*	125·2	125·0	126·8	124·5		
126·1	128·7	126·4	126·7	127·1	128·1	127·0	127·5	127·2	127·0	127·0	124·0	126·17	
124·8	125·1	126·2	126·5	129·0	130·4	128·2	125·6	123·9	127·8	128·5	128·1	126·30	
127·8	127·0	127·5	127·6	126·1	128·0	129 8	129·0	127·0	131·4	132·3	134·4	127·49	
126·22	127·31	127·40	127·86	129·04	127·24	127·09	126·84	126·50	127·19	127·35	126·54	126·35	
125·4	127·5	128·0	127·0	128·7	128·9	129·0	127·2	128·0	128·0	128·9	126·2	125·43	
135·8	126·0	129·2	128·7	130·5	100·6	137·0	128·8	124·4	129·5	126·2	127·0	125·68	126·18
128·0	126·2	128·0	131·7	128·2	125·5	—	—	—	—	—	—	126·00	
—	—	—	—	—	—	124·5	123·5	123·8	124·2	127·5	128·1		
122·3	128·1	129·3	130·8	133·1	131·7	134·3	125·7	122·4	120·7	120·6	131·3	125·58	
127·2	126·8	130·0	128·2	126·4	127·0	127·3	123·6	120·2	129·5	127·2	128·6	126·10	
121·9	124·8	124·5	127·5	127·0	126·0	125·0	126·0	125·8	124·5	129·2	134·0	125·18	
127·5	127·4	132·8	131·5	126·7	125·4	126·0	125·5	126·2	127·4	127·0	127·0	126·28	
126·5	127·0	127·5	128·2	131·3	127·4	125·0	127·2	124·8	129·1	127·6	131·2	126·88	
142·3	123·7	128·7	127·2	127·0	126·5	—	—	—	—	—	—	126·63	
—	—	—	—	—	—	125·4	127·1	126·8	124·0	125·1	126·8		
126·0	126·0	126·0	127·3	129·2	126·0	127·2	127·0	126·1	128·0	127·0	128·1	126·33	
127·8	125·9	126·1	126·1	126·7	126·2	126·8	128·0	127·1	127·0	127·5	127·0	126·53	
126·0	126·2	127·1	127·1	128·0	126·5	127·0	129·1	130·3	130·7	133·3	133·8	127·57	
125·0	126·2	127·0	127·0	127·0	126·4	126·4	125·2	127·2	127·5	127·6	128·0	125·77	
124·3	125·0	125·2	126·8	125·4	125·0	125·0	126·2	127·5	127·5	127·5	130·8	126·09	
126·5	130·7	129·9	131·0	128·5	125·6	—	—	—	—	—	—	126·51	126·45
—	—	—	—	—	—	126·0	126·2	126·5	127·2	127·0	129·0		
126·7	127·0	127·0	125·5	128·0	127·0	125·8	125·5	127·2	127·0	126·5	128·4	126·03	
126·3	126·9	127·0	128·6	128·0	128·0	126·2	125·9	125·0	127·3	127·8	125·0	126·45	
126·1	126·0	125·8	126·6	127·4	127·5	127·4	125·6	128·2	129·1	130·2	130·5	126·65	
126·2	126·6	127·4	127·0*	127·2	127·0	126·8	127·6	128·0	127·5	129·1	128·0	126·52	
125·2	125·5	126·2	125·5	126·2	127·0	126·8	127·0	127·0	128·0	128·8	128·1	126·27	
125·5	126·0	127·0	127·2	127·0	130·6	—	—	—	—	—	—	126·69	
—	—	—	—	—	—	127·0	125·6	126·0	128·2	127·0	128·0		
125·5	125·2	126·5	126·3	126·2	128·0	128·2	128·6	128·5	127·8	129·4	125·5	126·89	
126·0	126·0	126·2	126·4	126·8	126·8	127·0	127·0	127·2	128·1	125·0	128·0	126·48	
124·6	125·3	126·7	125·6	164·0	131·0	134·0	128·0	127·1	127·0	126·0	129·0	127·74	
125·2	126·0	126·0	126·2	124·0	127·2	126·0	126·0	126·4	126·2	127·0	127·6	125·56	
126·79	126·32	127·40	127·64	129·14	126·19	127·48	126·52	126·31	127·24	127·44	128·60	126·31	

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	12h.	13h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
MARCH.	1	128·2	129·0	129·8	128·7	125·6	122·7	119·9	120·0	121·1	123·1	124·0	124·0	124·0	122·5
	2	133·5	130·2	131·5	126·1	126·8	121·9	119·0	118·0	118·0	115·8	120·0	118·5	121·3	130·5
	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	131·6	125·5	131·0	129·3	125·7	126·3	120·4	119·1	120·1	122·8	121·5	126·0	125·1	125·5
	5	131·0	129·0	129·1	127·0	127·0[a]	124·5	120·5	119·2	122·0	122·9	118·2	128·4	126·4	136·7
	6	113·5	125·0	122·3	120·0	115·3	121·3	118·1	118·7	121·6	124·8	125·4	125·2	123·0	128·1
	7	127·0	131·3	128·1	124·5	120·6	122·4	119·7	120·0	114·9	120·8	125·4	135 2	129·5	130·4
	8	130·2	131·1	132·5	131·4	130·8	124·6	121·0	116·5	120·9	121·8	133·0	125·7	126·9	126·2
	9	126·4	130·0	130·0	130·0	127·6	123·0	121·1	121·9	121·1	119·8	121·9	125·4	124·0	128·1
	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	129·0	131·0	131·3	131·7	131·0	127·5	124·5	122·3	122·6	122·0	121·0	122·1	123·0	124·4
	12	127·0	126·1	126·0	129·9	126·6	122·0[a]	118·0	119·8	121·0	121·9	122·8	122·1	128·5	124·0
	13	128·0	129·0	129·4	130·4	128·1	123·5	121·0	121·0	120·6	122·1	122·5	124·0	123·6	124·5
	14	128·0	130·2	131·3	131·3	127·8	125·0	123·2	123·2	123·8	124·	123·0	124·2	124·4	123·9
	15	128·4	126·6	125·9	127·8	125·5	122·1	119·7	119·5	121·8	123·0	124·0	124·5	124·2	125·3
	16	128·8	129·0	121·4	130·2	126·5	122·8	119·2	119·1	120·4	122·0	124·4	125·8	125·0	125·6
	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	129·2	130·3	133·0	135·1	132·0	127·5	122·2	118·5	117·4	118·7	119·9	118·2[a]	122·8	124·4
	19	132·0	132·5	133·9	133·0	129·8	125·0	120·5	119·2	118·8	119·5	121·6	123·8	124·5	125·0
	20	129·2	131·2	131·0	130·0	128·0	124·0	120·0	118·6	118·0	118·8	120·3	123·8	126·1	127·2
	21	130·0	131 0	132·7	132·2	129·5	124·6	121·2	118·5	118·0	119·1	120·7	123·8	124·2	125·2
	22	123·0	131·8	133·7	133·3	128·2	124·0	119·8	117·9	116·6	117·7	120·4	121·5	123·1	124·8
	23	130·0	131·2	132·4	131·9	130·0	125·8	122·1	120·1	118·8	120·2	121·8	123·8	124·2	125·6
	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	130·0	131·0	132·0	134·0	130·0	124·0	121·0	120·1	118·0	117·2	119·[illegible]	122·2	124·5	126·0
	26	129·0	131·0	131·7	130·8	127·0	123·5	121·5	120·8	120·8	121·0	121·2	122·9	124·3	123·8
	27	128·0	129·5	131·0	130·2	129·5	124·2	121·0	114·1	114·6	115·1	118·1	121·0	122·0	132·2
	28	129·6	132·0	131·2	128·8	126·0	125·2	120·3	116·3	115·9	120·1	122·0	123·6	125·0	125·0
	29	131·9	133·5	130·7	132·5	125·9	124·0	122·0	121·0	121·8	119·0	114·0	114·3	110·3	126·3
	30	114·0	126·6	134·2	127·4	128·4	123·0	116·6	124·2	119·5	129·7	121·4	130·8	125·8	125·0
	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		127·94	129·79	130·27	129·90	127·28	124·02	120·52	119·52	119·54	120·84	121·84	123·88	124·10	126·39
APRIL.	1	125·4	122·2	125·9	126·6	123·1	120·6	116·6	114·1	119·8	118·8	121·7[d]	120·3	121·7	125·3
	2	131·0	132·8	133·5	133·9	130·6	124·0	119·3	119·7	117·1	119·8	119·7	122·3	124·1	122·7
	3	133·4	132·2	134·1	133·9	122·8	116·3	113·1	118·9	119·0	120·1	123·4	124·0	125·6	125·0
	4	125·2	127·5	132·9	133·0	130·6	128·8	124·8	120·4	119·5	118·2	119·2	121·2	129·7	125·1
	5	[b]—	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	129·2	130 0	131·6	131·8	129·4	127·0	123·6	120·8	118·1	118·9	125·4	123·8	122·4	126·2
	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	128·1	129·0	130·6	128·1	127·0	124·2	122·4	120·7	118·6	118·0	118·4	120·1	122·0	122·5
	9	128·7	130·8	130·0	129·0	126·0[a]	123·6	122·6	120·2	118·9	118·4[a]	119·4	121·4	122·5	123·5
	10	132·2	130·8	133·0	127·8	128·3	124·0	121·0	118·2	118·0	120·6	121·9	123·7	125·8	120·9
	11	130·5	131·1	130·7	128·7	124·0	120·0	118·0	116·4	118·2	121·6	121·8	123·7	125·0	124·6
	12	132·1	133·0	131·0	127·0	122·0	117·0	115·2	115·6	117·4	119·8	121·3	123·7	125·0	124·4
	13	130·1	132·0	133·0	130·4	126·2	120·8[a]	118·8	118·0	116·8	118·9	121·5	124·0	125·2	124·2
	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	130·3	128·0	125·0	125·0	124·3	121·5	119·2	118·0	118·3	118·9	121·9	122·0	122·5	122·0
	16	129 2	129·8	130·3	129·5	124·0	117·9	114·0	115·6	118 1	121·2	123·4	125·6	125·8	124·2
	17	111·8	93·1	108·2	126·7	118·5	114·4	111·1	109·0	107·3	111·4	116·6	112·5	113·1	120·0
	18	135·0	136·0	134·5	133·4	128·6	125·0	123·2	119·9	119·3	119·7	118·1	123·8	121·4	122·0
	19	129·9	131·2	131·0	129·2	128·0	123·1	117·7	116·8	117·2	118·6	120·7	122·8	124 0	123·8
	20	127·0	130·1	133·1	130·4	128·0	125·5	121·1	119·0	118·1	119·6	121·8	123·0	124·4	124·8
	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	127·0	129·0	130·7	129·3	124·2	120·4	118·3	116·2	117·0	117 4	119·4	122·0	123·0	123·8
	23	126·0	128·5	130·9	126·6	125·0	121·9	120·1	117·6	117·3	118·3	118·8	120·0	121·5	121·6
	24	130·0	131·0	131·9	132·0	127·9	121·8	119·2	116·8	117·7	118·8	121·2	122·3	123·0	123·0
	25	127·0	129·1	122·8	117·0	117·7	121·0	118·7	117·1	115·2	117·7	119·0	120·6	118·1	121·3
	26	119·0	123·0	133·0	131·9	130·2	117·6	113·9	119·1	117·2	121·6	122·4	123·0	123·3	139·9
	27	124·0	127·3	128·6	126·2	123·8	120·9	121·5	119·3	121·2	122·4	119·9	132·4	122·8	122·5
	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	133·0	129·0	125·8	125·7	122·1	118·0	117·0	117·8	116·9	119·4	120·8	122·6	122·4	123·7
	30	124·0	122·8	128·2	127·3	123·8	120·0	118·0	116·2	117·7	117·1	119·8	121·1	129·6	127·5
Hourly Means		127·99	127·97	129·61	128·82	125·44	121·38	118·74	117·66	117·60	119·01	120·70	122·48	123·44	124·1

[a] Two minutes late. [b] Thirty-eight minutes late. [c] Three minutes late. [d] Five minutes late. [e] Ten minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means.	
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
124·0	122·5	125·0	124·4	127·5	126·6	125·5	126·2	129·3	120·5	132·7	129·6	125·41	
121·3	130·5	126·0	125·9	133·4	125·0	—	—	—	—	—	—	124·56	
—	—	—	—	—	—	129·2	123·5	122·2	119·2	126·0	128·0[b]		
125·1	125·5	131·7	138·6	144·6	130·9	119·4	128·2	129·8	124·3	134·0	130·0	127·56	126·42
126·4	136·7	139·6	134·0	133·8	135·9	128·8	127·5	127·8	126·5	128·0	116·1	127·50	
123·0	128·1	126·8	125·9	128·0	133·4	134·0	141·2	130·2	123·1	127·7	127·9	125·02	
129·5	130·4	129·5	147·0	148·1	129·5	118·5	126·5	128·0	129·0	132·2	130·5	127·86	
126·9	126·2	143·2	132·1	125·1	123·8	120·2	126·0	126·0	125·2	124·0	127·0	126·88	
124·0	128·1	126·1	125·6	127·0	132·7	—	—	—	—	—	—	126·00	
—	—	—	—	—	—	128·0[b]	125·0	126·7	129·5	126·8	126·2		
123·0	124·4	125·5	126·1	125·2	125·4	125·8	126·0	126·0	127·1	126·2	126·2	125·95	
128·5	124·0	125·6	125·0	125·8	125·8	128·0	125·2	126·3	127·4	127·5	128·1	125·02	
123·6	124·5	125·0	125·4	125·4	125·6	126·0	126·0	126·4	127·2	125·6	127·0	125·30	
124·4	123·9	124·6	125·8	125·4	126·3	126·1	126·2	125·8	129·9	128·0	128·1	126·18	
124·2	125·3	125·3	126·0	125·6	126·0	126·5	126·4	127·2	127·0	127·8	127·0	125·13	
125·0	125·6	125·8	125·4	124·8	125·6	—	—	—	—	—	—	125·02	
—	—	—	—	—	—	124·9	125·4	124·7	127·2	127·6	129·0[g]		
122·8	124·4	126·1	127·1	131·0	128·5	126·0	130·2	132·4	121·3	124·0	130·0[e]	126·07	125·67
124·5	125·0	126·1	126·5	127·4	139·1	123·2	125·2	128·0	127·3	126·7	128·0	126·52	
126·1	127·2	126·8	126·0	126·1	126·4	133·4	130·9	126·2	125·6	125·3	128·0	125·87	
124·2	125·2	125·8	125·9	126·8	127·6	126·4	128·0	122·3	125·6	131·0	127·0	125·71	
124·1	124·8	125·2	125·0	127·8	128·5	128·1	128·0	129·2	127·3	129·0	128·7	125·57	
124·2	125·6	124·9	126·0	125·8	125·8	—	—	—	—	—	—	126·02	
—	—	—	—	—	—	126·4	127·6	127·8	127·4	127·0	127·8[g]		
124·5	126·0	125·1	126·0	126·8	126·1	126·0	126·7	126·8	127·0	127·0	127·5	125·61	
124·3	123·8	121·1	124·9	125·2	125·2	126·3	126·0	127·0	127·5	127·4	127·0	125·41	
122·0	132·2	125·6	125·0	125·6	126·0	125·2	127·8	126·7	130·0	129·6	123·5	124·81	
125·0	125·0	125·5	124·8	124·1	126·6	129·9	130·3	133·5	132·2	125·1	133·5	126·11	
110·3	126·3	172·1	140·2	144·5	132·3	89·2	156·7	146·4	111·4	141·2	146·5	129·49	
125·8	125·0	129·7	140·0	128·3	128·7	—	—	—	—	—	—	126·53	
—	—	—	—	—	—	132·0	130·2	124·8	124·0	125·2	127·2[g]		
121·10	126·39	129·12	128·64	129·20	128·20	125·12	128·73	127·98	125·76	128·18	128·28	126·04	
													126·07
121·7	125·3	128·7	145·2	125·0	123·0	133·5	131·4	129·2	126·0	120·2	126·1	124·66	
124·1	122·7	124·7	125·0	137·2	134·0	125·5	128·1	129·4	126·1	128·0	124·0	126·35	
127·6	125·0	124·9	134·1	141·6	131·2	129·0	131·0	127·6	120·6	121·6	125·0	126·27	
129·7	125·1	127·9	130·3	127·9	131·1	—[h]	—	—	—	—	—	126·45	
—	—	—	—	—	—	118·6	127·7	130·1	129·4	128·6	127·0[g]		
122·4	126·2	129·0	128·2	132·4	133·2	—	—	—	—	—	—	126·64	
—	—	—	—	—	—	125·0	125·0	126·4	128·0	126·8	127·2[g]		
122·0	122·5	132·0	124·0	127·5	126·8	126·0	126·2	126·6	127·0	127·0	127·3	125·00	
122·5	123·5	121·8	124·1	124·8	125·5	125·8	125·7	126·0	129·4	130·9	130·8	125·12	
123·8	120·9	124·0	124·8	127·2	127·0	126·3	121·3	124·0	126·0	125·6	129·4	125·08	
125·0	124·6	124·4	124·2	124·5	133·4	129·9	125·1	127·0	125·5	128·0	129·2	125·23	
125·0	124·4	124·2	124·8	124·1	124·7	125·2	125·9	126·1[f]	126·3	127·6	127·8	124·22	
125·2	124·2	124·4	125·0	124·0	125·1	—	—	—	—	—	—	125·41	
—	—	—	—	—	—	129·5	127·8	129·2	127·8	128·2	129·0[g]		
122·5	122·0	124·8	124·7	124·7	124·0	124·7	125·0	125·5	126·0	126·8	127·0	123·75	
125·8	124·2	129·7	130·1	126·3	132·4	138·0	140·0	160·1	170·9	161·0	108·4	130·19	124·57
113·1	120·0	114·8	122·0	126·0	124·0	124·0	125·6	124·8	128·1	133·0	133·9	117·91	
121·4	122·0	124·0	123·7	124·0	124·5	125·3	125·9	125·7	125·8	125·4	127·0	125·47	
124·0	123·8	124·7	125·0	124·1	125·5	124·9	125·0	124·5	126·4	127·4	124·6	124·42	
124·4	124·8	124·5	124·8	125·0	125·0	—	—	—	—	—	—	124·98	
—	—	—	—	—	—	125·8	123·6	127·0	126·1	125·8	126·0[g]		
121·0	123·8	123·8	124·5	124·2	124·5	124·7	124·5	125·0	125·0	127·0	126·0	123·62	
121·5	121·6	123·0	123·0	128·2	124·8	129·0	124·6	124·2	125·0	126·8	129·0	123·82	
123·0	123·0	123·3	123·0	123·5	130·9	120·1	127·9	125·5	126·3	128·2	129·5	124·78	
118·1	121·3	122·0	124·6	127·0	135·8	126·1	128·9	127·6	125·8	128·5	131·0	123·32	
123·3	139·9	128·0	126·9	134·1	130·8	125·7	116·0	124·7	127·6	127·0	126·0	125·08	
122·8	122·5	135·6	126·2	129·3	135·4	—	—	—	—	—	—	126·07	
—	—	—	—	—	—	126·5	124·2	127 0	131·6	126·4	130·0[g]		
122·4	123·7	123·3	125·2	129·0	127·2	124·9	124·1	123·8	125·0	125·9	127·5	123·75	
129·6	127·5	132·0	133·0	130·5	125·6	125·0	124·4	127·0	119·2	120·5	129·0	124·14	
123·44	124·18	125·70	126·66	127·68	128·22	126·36	126·20	127·76	128·04	128·09	127·11	124·87	

[e] Six minutes late. [f] Five minutes late. [g] Good Friday. [h] Ten minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	12h.	13h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
MAY.	1	131·0	131·9	133·9	131·0	125·4	122·4	120·6	118·0	118·2	118·6	117·3	117·6	121·2	121·1
	2	127·0	131·2	130·0	128·2	125·0	122·8	116·9	114·8	114·5	116·0	118·1	122·1	127·8	126·3
	3	131·0	133·7	135·0	132·0	126·6	118·6	116·9	114·2	113·0	115·4	119·2	122·0	124·0	125·0
	4	130·2	131·2	132·8	132·0	128·4	124·0	120·6	117·4	116·0	117·2	119·7	121·3	123·3	123·8
	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	131·0	130·0	130·1	131·8	125·0	123·1	118·0	112·6	115·3	116·1	118·8	121·0	123·0	126·0
	7	128·0	129·0	130·0	127·9	123·3	120·2	119·0	117·0	116·2	116·8	119·3	123·4	124·8	124·6
	8	133·8	132·3	125·8	125·9	123·6[a]	121·5	115·3	116·2	114·8	114·0	115·0	120·4	125·1	133·8
	9	131·7	132·1	135·2	131·6	128·9	125·6[b]	122·9	121·2	120·9	121·6	122·1	122·1	123·8	122·7
	10	128·0	130·0	129·2	130·4	125·2	119·2	118·3	118·9	117·5	118·5	120·4	122·1	123·2	123·3[c]
	11	127·0	129·0	127·0	124·1	120·3	119·0	117·4	117·4	118·8	120·8	121·9	123·1	122·4	123·0
	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	132·0	132·2	132·1	130·0	127·9	120·6	117·0	122·8	117·8	119·4	121·5	122·8	123·1	123·4
	14	129·5	135·5	135·8	133·5	124·8	122·2	119·5	115·8	116·6	118·8	121·6	123·0	123·8	129·7
	15	132·0	133·5	132·0	130·4	125·0	123·0	116·0	113·8	114·3	117·8	122·0	127·0	127·0	127·0
	16	132·9	133·4	132·0	129·0	123·2	119·0	117·0	116·0	117·8	119·3	123·0	123·8	125·2	124·6
	17	130·8	133·0	132·6	130·7	126·7	121·1	117·0	115·2	114·9	117·2[d]	119·7	123·0	126·3	124·5
	18	128·9	130·0	130·0	128·2	126·6	124·0	121·6	121·1	117·9	119·8	121·8	123·1	124·2	126·2
	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	131·0	132·0	132·1	131·0	127·9	124·0	119·1	118·8	118·4	119·8	120·6	121·8	122·4	123·1
	21	129·0	132·0	134·4	131·6	129·0	124·0	120·0	116·3	115·1	114·6	118·4	123·6	118·6	126·6
	22	135·0	128·8	130·0	134·5	129·0	131·1	122·0	116·9	114·8	112·9	110·0	118·3	118·0	136·3
	23	128·6	130·0	131·2	129·8	127·8	123·1	119·1	119·0	121·3	120·0	121·0	122·7	121·8	122·6
	24	133·0	131·3	128·8	127·2	124·5	120·1	120·3	112·0	112·8	114·9	122·0	119·4	119·0	114·1
	25	128·4	130·4	129·9	127·2	123·6	121·1	115·4	115·9	118·5	118·0	120·3	121·0	122·7	121·6
	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	130·5	131·2	128·3	125·8	120·0	116·0	115·1	115·7	—	—	117·1[e]	119·0	120·2	121·2
	28	130·0	131·5	131·3	129·4	124·6	119·0	115·0	113·7	113·1	115·3	119·2	122·8	123·0	123·4
	29	129·5	131·0	131·5	128·3	125·0	120·9	115·8	112·9	112·5	115·0	118·2	120·0	123·0	123·0
	30	131·7	131·5	130·8	129·2	124·7	122·1	117·5	116·0	116·2	117·5	120·1	121·6	122·5	122·8
	31	129·1	131·0	130·5	128·8	125·5	121·4	117·0	114·5	113·0	113·7	116·5	119·2	120·0	121·3
Hourly Means		130·39	131·43	131·20	129·61	125·46	121·82	118·16	116·45	116·16	117·27	119·44	121·84	122·94	124·4
JUNE.	1	132·0	135·4	130·7	128·0	124·1	119·4	115·5	110·9	112·0	114·8	117·9	118·0	121·0	122·1
	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	129·0	128·0	132·0	129·1	125·9	121·1	119·8	115·5	115·0	115·0	117·2	120·3	122·7	123·4
	4	129·3	131·0	133·7	130·1	127·0	122·8	118·6	117·8	116·8	117·4	117·0	121·2	123·9	125·4
	5	126·0	129·2	126·4	130·0	125·0	120·7	116·1	115·0[b]	118·2	119·4	117·0	121·0	121·8	122·4
	6	128·8	131·0	131·2	128·3	124·9	121·1	119·3	117·4	116·8	117·0	118·1	119·9	120·9	122·1
	7	127·4	130·4	129·5	127·0	122·0	117·6	115·4	116·0	118·1	119·0	119·6	121·0	122·0	122·4
	8	129·7	130·1	128·1	127·1	125·1	119·2	115·0	114·1	115·4	118·3	119·2	119·8	120·0	122·4
	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	123·4	129·8	131·4	128·0	123·1	117·1[f]	116·4	113·0	114·0	116·1	119·3	121·7	121·2	122·1
	11	132·1	133·9	132·8	130·4	127·1	123·8[g]	117·2	115·9	117 2	120·8	121·7[h]	123·1	124·1	123·1
	12	132·4	132·8	132·0	129·6	124·1	121·6	119·3	114·9	116·1	118·1	121·0	122·1	125·0	124·1
	13	135·5	137·8	136·8	131·3	124·2	119·1	115·7	112·5	114·0	115·2	119·6	121·3	123·1	123·1
	14	128·8	133·5	135·5	131·2	126·0	120·2	114·9	113·1	114·2	117·1	120·9	123·1	124·1	124·1
	15	129·9	130·0	129·2	129·0	124·5	121·5	119·1	117·8	116·1	118·4	120·8	123·8	124·8	124·1
	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	135·0	127·6	132·3	126·9	122·3	113·9	113·2	112·1	116·0	114·1	118·0	120·8	120·2	122·1
	18	136·2	130·5	133·0	128·9	135·2	121·5	115·3	113·5	114·5	115·8	116·4	119·2	121·4	121·1
	19	128·5	129·0	129·9	128·0	123·1	119·0	114·9	113·8	115·0	115·2	116·9	120·1	122·0	122·1
	20	130·0	130·5	131·0	129·2	125·4	121·5	116·7	115·8	112·3	115·1	118·9	123·1	122·2	121·1
	21	133·8	134·7	130·9	130·3	125·2	119·8	115·0	113·2	113·2[i]	111·4	116·2	117·5	118·5	120·1
	22	131·0	132·6	131·5	129·6	126·2	121·6	117·2	117·0	115·8	118·0	118·0	119·5	121·0	122·1
	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	130·8	130·5	129·7	128·0	122·0	115·5	113·0	113·8	114·9	115·0	117·7	120·0	121·0	120·1
	25	129·4	129·6	130·0	127·4	123·0	119·2	115·0	115·2	117·0	118·2	118·9	120·0	122·0	122·1
	26	129·2	129·8	127·3	125·6	123·6	117·0	114·4	114·3	113·2	115·3	116·5	120·1	120·4	120·1
	27	129·7	132·0	131·1	127·5	124·4	119·7	116·9	116·8	117·2	119·8	121·2	122·0	122·2	121·1
	28	131·2	134·1	133·6	131·2	123·8	119·2	115·2	112·9	111·9	113·1	118·0	120·2	120·6	122·1
	29	127·3	134·0	133·0	132·7	123·9	117·8	112·6	111·7	117·7	120·2	124·0	124·3	126·0	124·1
	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		130·26	131·51	131·30	128·98	124·84	119·64	116·07	114·56	115·30	116·71	118·80	121·09	122·08	12

[a] Three minutes late. [b] Fifteen minutes late. [c] Seven minutes late. [d] Two minutes late. [e] Twenty minutes late. [f] Nine minutes late. [g] Eight

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

12ʰ.	13ʰ.	14ʰ.	15ʰ.	16ʰ.	17ʰ.	18ʰ.	19ʰ.	20ʰ.	21ʰ.	22ʰ.	23ʰ.	Means.	
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
121·2	121·1	123·4	125·7	120·0	127·9	122·8	122·0	123·2	125·0	127·2	124·0	123·98	
127·8	126·3	124·8	123·0	125·9	128·4	133·7	131·4	131·2	128·5	126·4	126·7	125·05	124·43
124·0	125·0	125·2	125·7	125·4	125·2	128·4	127·9	124·2	125·0	126·1	127·2	124·45	
123·3	123·8	124·0	125·0	—	—	—	—	—	—	—	—	124·64	
—	—	—	—	—	—	126·2	125·3	128·9	125·2	122·8	126·8		
123·0	126·0	124·0	125·2	130·7	125·4	125·0	126·2	122·5	124·7	125·4	128·0	124·14	
124·8	124·6	124·5	123·2	142·0	126·0	133·6	145·4	128·2	124·9	125·0	130·0	125·72	
125·1	133·8	120·0	130·4	133·3	128·0	125·2	129·0	128·2	129·4	129·5	128·1	124·94	
123·8	122·7	123·2	126·6	128·2	126·0	125·9	126·1	125·3	125·9	126·2	127·0	125·97	
123·2	123·3[c]	124·2	124·8	134·5	125·2	125·9	126·0	126·0	125·5	125·9	128·0	124·59	
122·4	123·0	123·1	123·6	124·0	126·0	—	—	—	—	—	—	123·75	
—	—	—	—	—	—	125·2	127·0	125·9	127·0	127·0	130·0		
123·1	123·4	123·0	123·0	123·3	124·0	132·9	128·8	125 0	122·9	126·5	127·0	124·96	125·00
123·8	129·7	125·0	132·1	157·2	131·0	127·5	128·7	124·5	122·4	126·4	130·5	127·31	
127·6	127·0	129·9	124·0	126·4	124·8	124·0	124·0	123·4	124·2	123·3	129·6	124·54	
125·2	124·6	123·7	123·0	125·3	125·8	125·0	124·5	125·0	125·0	124·7	127·5	124·40	
126·3	124·5	122·0	124·0	124·0	124·5	125·0	125·0	124·2	124·2	123·5	127·6	124·03	
124·2	126·2	123·3	124·3	123·8	126·1	—	—	—	—	—	—	124·89	
—	—	—	—	—	—	125·0	124·3	126·6	127·0	124·7	128·6		
122·4	123·1	122·8	123·2	123·8	124·2	125·0	126·2	126·6	126·4	127·2	130·0	124·89	
118·6	126·6	122·4	123·2	125·1	124·9	126·0	126·0	125·0	126·2	128·0	131·0	124·62	
118·0	136·3	124·3	135·2	126·4	130·8	138·0	133·0	121·8	124·6	127·0	124·1	126·20	
121·8	122·6	128·0	128·8	127 5	125·2	125·0	125·6	124·7	122·5	125·0	129·0	124·97	
119·0	114·1	115·8	122·0	115·0	117·0	116·1	123·3	117·0	120·5	123·7	126·9	120·70	
122·7	121·6	125·6	125·6	123·9	124·0	—	—	—	—	—	—	123·38	
—	—	—	—	—	—	125·6	121·2	124·5	124·0	125·2	127·5		
120·2	121·2	121·0	124·0	120·3	118·3	124·5	121·2[e]	124·6	127·7	127·7	130·7	122·73	
123·0	123·4	122·2	122·0	125·0	126·0	122·5	121·8	122·0	122·0	123·5	127·8	122·75	
123·0	123·0	121·5	121·2	120·8	121·4	122·8	129·2	129·7	132·3	128·8	131·5	123·57	123·43
122·5	122·8	123·0	121·8	122·0	122·2	122·3	122·8	124·0	122·8	125·3	127·2	123·23	
120·6	121·3	120·9	121·0	121·8	124·2	122·5	123·0	124·1	127·5	127·0	129·8	122·64	
122·94	124·48	123·14	124·87	126·98	125·33	125·99	126·48	125·05	125·31	125·70	128·23	124·34	
121·0	122·9	120·2	130·5	127·2	125·0	—	—	—	—	—	—	123·25	
—	—	—	—	—	—	122·3	128·0	126·0	124·0	125·0	127·3		
122·7	123·6	123·2	122·9[f]	122·5	122·5[g]	125·1	123·5	124·2	122·9	124·4	127·1	123·02	
125·9	125·0	124·0	123·4	123·0	122·5	122·7	122·0	122·7	123·6	123·2	125·5	123·51	
121·8	122·4	122·7	122·0	121·0	124·0	122·7	123·0	123·0	124·0	125·0	126·4	122·58	
120·9	122·4	122·9	123·2	124·2	123·1	124·0	124·0	124·1	125·8	127·0	128·2	123·48	
122·0	122·0	121·7	121·0	123·4	122·2	123·0	123·0	123·2	123·2	126·3	128·0	122·58	
120·0	122·8	120·8	120·4	122·0	125·6	—	—	—	—	—	—	122·73	
—	—	—	—	—	—	123·0	123·8	126·8	125·8	126·2	127·2		
121·2	122·2	124·0	134·0	123·0	124·0	123·2	123·9	123·2	118·9	123·5	127·2	122·57	123·61
124·1	123·7	122·6	123·0	127·2	129·7	125·0	125·8	124·4	120·7	124·2	128·2	124·80	
125·0	124·2	123·0	126·1	126·9	130·9	131·1	125·0	125·0	122·8	127·2	129·8	125·05	
123·1	123·2	123·6	122·0	122·8	122·1	122·0	123·0	123·6	124·0	125·4	126·0	123·49	
124·1	124·8	123·0	122·9	122·2	122·8	124·8	123·3	123·2	124·2	124·1	126·2	123·51	
124·8	124·2	124·8	122·3	122·0	122·1	—	—	—	—	—	—	124·88	
—	—	—	—	—	—	124·0	126·6	129·7	132·4	131·2	132·0		
120·2	122·0	135·6	124·4	125·0	129·5	126·0	127·1	123·0	130·5	129·2	131·2	124·00	
121·4	121·0	121·2	122·0	128·3	124·2	124·8	123·3	124·2	124·2	124·2	126·2	123·54	
122·0	122·5	121·4	122·6	121·0	123·0	122·6[i]	121·3	123·3	124·8	125·5	128·7	122·17	
122·2	121·8	122 2	127·2	123·9	132·5	120·4	126·8	125·8	121·8	124·5	127·2	123·57	
118·5	120·5	122·5	120·8	121·0	124·3	124·7	124·0	124·4	124·8	125·7	129·1	122·56	
121·0	122·1	122·0	121·8	122·0	123·4	—	—	—	—	—	—	123·52	
—	—	—	—	—	—	122·5	124·7	125·3	125·9	126·7	129·2		
121·0	120·2	120·1	121·2	121·0	122·2	123·1	123·1	127·0	127·1	130·5	129·8	122·38	
122·0	122·2	121·4	118·0	121·0	121·0	122·6	125·6	127·8	127·4	131·2	130·0	123·00	
120·4	120·2	122·1	122·0	122·0	122·6	124·0	123·8	124·0	123·2	125·0	127·0	121·78	122·99
122·2	121·6	121·0	123·4	124·1	122·9	122·2	123·2	123·8	124·9	126·2	128·8	123·44	
120·6	123·8	124·5	121·5	124·0[h]	127·8[k]	125·9	121·4	126·4	123·4	127·1	127·0	123·24	
126·0	124·6	129·3	125·1	125·4	128·7	—	—	—	—	—	—	123·72	
—	—	—	—	—	—	121·3	122·1	122·2	115·6	121·9	128·0		
122·08	122·64	123·19	123·34	123·40	124·74	123·72	124·05	124·65	124·24	126·02	128·05	123·29	

[c] Eighteen minutes late. [f] Ten minutes late. [i] Five minutes late. [k] Four minutes late. [l] Two minutes early.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

Mean Gottingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
JULY.	1	131·0	131·0	130·0	127·3	123·7	118·8	116·5	114·0	114·3	115·0	117·5	120·4
	2	125·4	132·7	134·6	133·5	133·5	128·8	122·5	117·7	113·7	112·2	114·8	117·0
	3	125·7	129·2	127·9	129·7	126·7	123·2	121·5	114·8	114·6	116·0	118·4	120·3
	4	130·6	132·0	132·1	129·0	124·2	121·9	116·4	112·2	113·0	112·0	115·2	120·0
	5	129·0	130·2	133·0	132·1	127·3	121·8	119·6	116·7	116·5	116·1	117·1	119·4
	6	127·7	130·5	131·0	129·9	125·3	121·3	119·4	115·0	114·0	114·9	119·5	122·8
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	129·6	135·1	133·4	129·5	121·1	115·0	116·3	120·3	119·8	122·0	123·8	123·5
	9	125·3	129·4	129·0	125·5	121·0	119·1	118·8	119·0	122·3	122·0	123·4	123·0
	10	128·1	128·4	126·6	125·8	124·2	120·8	120·1	119·0	118·1	119·3	118·9	120·1
	11	123·0	131·0	131·9	130·0	125·8	122·0	119·0	115·5	116·8	118·6	119·1	121·8
	12	128·8	129·6	128·0	126·2	122·2	119·1	117·5	117·0	118·4	120·2	121·1	120·1
	13	131·0	134·7	134·0	127·0	115·5	116·8	114·5	114·7	116·6	115·8	117·6	120·2
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	132·0	134·4	136·3	133·4	128·3	123·2	118·6	118·3	114·0	112·9	116·4	120·0
	16	131·0	132·7	131·4	129·4	122·3	116·6	113·0	110·5	113·0	115·0	118·1	120·7
	17	130 0	132·1	132·9	129·3	124·0	117·5[a]	116·8	116 9	114·5	113·2	118·2	119·8
	18	134·8	135·2	137·2	127·0	125·0	121·2	115·3	111·0	111·9	114·4	119·8	122·4
	19	129·2	133·9	131·9	131·3	126·3	123·7	119·8	116·4	115·2	115·1	117·8	120·4
	20	127·0	130·0	131·6	130·0	126·2	122·0	116·4	113·8	114·0	115·8	117·2	119·5
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	132·0	131·5	131·0	130·0	127·5	122·0	117·8	115·6	118·0	121·6	123·0	125·0
	23	135·0	135·0	134·4	134·0	130·0	126·5	124·9	118·0	117·7	118·9	120·2	121·0
	24	129·0	131·3	133·0	131·0	125·9	123·7	119·3	117·7	118·8	119·7	119·9	120·2
	25	127·4	120·2	129·0	131·1	125·0	120·6	115·6	117·0	112·1	118·0	119·2	123·0
	26	129·8	134·0	133·0	132·0	129·1	122·5	120·0	118·0	116·2	118·0	120·1	123·6
	27	125·4	132·5	132·1	130·0	128·8	121·3	118·3	118·0	111·8	118·5	120·8	121·7
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	129·2	134·0	133·6	131·9	125·0	118·0	115·0	113·1	115·0	116·1	117·8	118·0
	30	129·8	136·6	135·2	132·4	122·6	112·9	109·0	108·8	110·2	116·0[e]	121·2	123·2
	31	132·5	134·2	131·2	127 3	124·8	121·6	117·2	116·0	113·4	115·4	117·1	117·0
Hourly Means		129·46	131·90	132·16	129·84	125·23	120·81	117·74	115·74	115·33	116·77	119·01	120·93
AUGUST.	1	131·0	137·6	132·8	133·2	127·4	127·7	116·2	110·1	104·5	106·1	105·5	114·8
	2	132·8	131·0	132·8	127·6	124·3	120·8	118·8	117·3	118·5	118·9	118·3	119·0
	3	125·0	129·4	130·8	126·8	123·0	120·4	119·1	112·9	115·0	119·5	112·0	123·4
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	131·0	126·0	130·2	125·3	120·9	116·8	117·6	117·0	116·4	115·8	117·7	121·0
	6	128·3	129·6	131·1	129·5	124·7	118·4	115·2	114·0	115·4	118·0	121·1	123·5
	7	127·2	129·1	129·3	127·4	122·4	118·8	115·2	113·0	114·5	117·0	119·8	121·8
	8	129·0	135·5	133·8	131·0	126·4	121·8	119·4	118·5	120·0	121·4	122·0	123·5
	9	129·0	125·4	129·0	127·2	122·9	108·9	113·7	106·8	102·7	109·2	116·0	113·8
	10	133·5	134·7	135·3	132·0	126·2	123·1	120·9	119·3	119·8	122·9	122·5	122·3
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	129·2	131·8	131·0	128·7	125·1	119·2	116·1	116·1	116·1	117·9	120·0	122·0
	13	127·9	133·1	132·4	128·0	123·9	126·9[d]	114·0	111·6	113·7	116·5	120·0	122·8
	14	131·2	134·2	133·9	130·2	122·8	116·1	113·1	112·0	112·9	115·6	118·8	120·9
	15	130·4	132·5	131·3	130·0	121·5	113·5	111·9	110·9	112·0	116·0	118·7	121·2
	16	131·7	133·0	132·9	128·8	123·2	116·8	114·0[c]	109·1	108·0	113·0	116·6	118·8
	17	130·2	132·0	132·9	130·2	124·0	117·7	115·1	112·0	112·2	115·2	117·6	121·2
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	130·2	133·5	133·4	131·4	124·2	117·9	112·5	111·6	112·8	113·0	117·2[f]	119·3
	20	128·8	130·2	130·8	127·8	123·5	116·6	113·8	107·9	109·4	113·0	116·1	118·8
	21	129·4	132·6	132·8	131·6	124·6	119·0	115·1	121·6	114·0	118·5	121·1	121·9
	22	134·5	134 6	133·8	122·3	112·8	107·8	112·5	107·2	117·9	118·7	121·3	123·9
	23	129·9	129·9	130·8	125·8	120·1	113·4	107·6	113·3	113·2	117·0	121·7	122·6
	24	131·0	132·0	129·3	126·5	120·6	118·7	118·7	117·8	117·6	119·0	123·8	124·7
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	134·0	130·8	129·8	125·9	119·9	115·9	112 5	113·1	116·4	120·0	121·9	125·5
	27	128·2	130·4	129·9	125·5	119·1	115·7	114·1	113·8	114·9	118·2	121·8	123·3
	28	130·5	132·6	132·0	121·8	119·0[b]	113 8[a]	109·8	109·7	121·6	121·2	120·5	122·8
	29	132·4	133·9	132·0	128·6[c]	120·0	113·6	111·7	111·6	113·4	115·9	117·8	118·6
	30	130·8	129·9	127·8	122·8	123·0	110·7	112·2	110·0	115·5	118·1	121·4	121·8
	31	126·3	125·2	123·5	125·1	121·6	116·1	115·3	115·4	117·0	119·5	121·2	121·7
	32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		130·13	131·50	131·31	127·93	122·49	117·26	114·67	113·10	114 26	116·86	118·98	121·37

[a] Seven minutes late. [b] Eight minutes late. [c] Four minutes late. [d] Three minutes late. [e] Two minutes late. [f] The wire of the

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means.	
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
123·3	124·7	124·3	123·0	126·2	125·6	125·0	124·7	124·0	122·4	122·6	126·0	122·97	
120·6	122·9	123·2	123·0	123·2	123·0	127·0	122·8	122·0	123·0	123·7	125·6	123·63	
123·0	123·0	123·5	123·2	124·0	124·9	123·1	125·1	127·0	125·0	126·2	128·3	123·48	
122·7	123·4	123·8	127·3	122·9	122·9	123·0	123·3	123·0	121·8	124·0	126·9	122·65	
123·2	123·0	122·2	121·6	124·1	124·2	123·7	125·4	124·0	123·5	125·8	127·0	123·60	
122·6	122·6	121·2	121·4	121·6	124·0	—	—	—	—	—	—	122·89	
—	—	—	—	—	—	121·5	123·0	127·0	125·4	128·0	119·7		
123·4	121·3	121·3	122·3	136·5	141·0	139·6	133·8	120·4	122·0	125·4	130·0	126·10	
124·8	123·6	122·0	123·8	128·7	124·0	126·8	129·6	122·9	119·0	122·2	128·1	123·89	123·69
121·1	122·8	121·3	121·3	123·2	123·4	122·8	122·3	122·6	122·8	124·0	125·5	122·62	
121·8	121·8	121·9	128·0	127·7	124·7	127·5	126·0	122·0	126·2	124·8	128·1	123·96	
123·4	123·2	121·8	121·1	122·2	126·2	135·4	131·2	126·3	125·0	125·2	135·9	124·38	
123 6	124·5	122·2	124·9	124·6	123·8	—	—	—	—	—	—	123·20	
—	—	—	—	—	—	124·6	125·8	124·1	124·6	123·2	126·6		
122·0	125·2	125·7	122·1	122·0	123·8	122·3	122·8	122·8	123·3	124·9	128·9	123·90	
123·6	123·2	122·4	121·8	123·2	122·7	122·0	122·4	123·0	124·8	123·7	123·0	122·06	
119·8	120·9	128·7	122·7	121·8	121·1	126·0	125·8	126·9	126·7	126·9	134·0	123·60	
121·2	121·8	121·3	122·2	124·0	122·7	124·0	121·9	122·1	123·4	124·8	125·0	122·90	
121·7	121·8	121·2	121·0	127·0	121·9	123·0	123·1	124·0	124·2	124·3	123·6	123·24	
121·7	123·6	122·4	122·0	126·4	124·0	—	—	—	—	—	—	122·79	
—	—	—	—	—	—	123·3	123·1	123·0	124·0	124·2	125·8		
126·0	126·0	126·2	126·0	127·1[b]	129·4	129·3	129·5	129·8	131·4	134·0	130·0	126·65	
121·0	121·1	121·3	122·5	122·6	126·0	123·2	122·4	124·9	125·9	127·0	128·0	125·06	123·95
121·1	121·5	121·4	120·9	121·0	124·3	127·0	128·2	125·6	129·8	130·1	132·1	125·06	
126·0	126·2	122·6	123·0	127·0	131·3	127·7	127·0	133·6	122·3	130·8	127·3	124·29	
125·0	124·0	124·7	123·1	123·2	124·4	126·5	125·8	121·1	114·0	119·1	129·0	124·01	
121·1	130·9	136·3	126·1	125·9	127·0	—	—	—	—	—	—	124·87	
—	—	—	—	—	—	126·6	123·6	123·2	123·9	125·8	127·2		
122·2	123·8	123·0	123·1	125·8	123·7	123·2	123·8	122·0	124·3	125·2	121·2	122·83	
124·4	124·2	123·1	124·3	122·0	122·8	125·2	134·6	125·1	126·6	126·6	128·3	123·55	
118·8	118·2	118·3	121 0	122·0	124·0	127·4	129·2	125·9	125·9	127·1	128·9	123·23	
122·56	123·30	123·20	123·06	124·64	125·07	125·80	125·79	124·38	124·12	125·87	127·41	123·76	
118·3	120·0	117·5	125·2	134·0	129·0	127·3	130·7	128·0	115·4	110·1	121·4	121·82	
130·6	124·5	127·4	117·0	128·9	117·9	126·1	128·0	122·0	120·0	119·0	128·9	123·77	
122·6	128·2	122·2	124·5	131·1	136·3	—	—	—	—	—	—	123·67	123·08
—	—	—	—	—	—	126·1	133·0	120·8	116·0	121·7	128·2		
125·0	123·2	123·0	122·8	122·2	122·0	123·2	124·6	122·8	121·5	119·8	120·8	121·94	
124·8	123·8	123·3	126·2	122·5	123·8	123·6	123·9	122·0	120·5	121·0	123·7	122·83	
123·5	123·4	123·6	122·3	122·3	124·0	122·8	123·4	125·2	125·9	126·9	130·0	122·87	
124·9	123·0	123·0	122·0	122·0	122·0	127·6	123·0	125·8	124·8	124·0	119·6	124·33	
124·4	120·0	120·1	122·3	129·5	123·0	123·0	121·2	122·2	118·0	122·5	132·1	120·12	
127·2	120 8	121·7	128·0	121·7	121·0	—	—	—	—	—	—	124·96	
—	—	—	—	—	—	124·2	123·0	123·3	124·3	124·6	126·6		
123·0	122·4	122·0	127·0	123·1	126·1	123·4	127·4	128·5	124·2	123·2	129·2	123·86	
123·0	121·4	121·4	122·0	121·9	122·2	122·8	123·8	124·6	125·2	126·4	122·7	122·84	
121·9	122·0	121·4	121·8	122·0	122·3	122·6	124·5	124·5	125·0	126·8	126·0	122·60	
122·1	121·2	121·2	120·5	121·0	121 8	122·8	123·0	123·5	124·8	126·0	128·7	121·94	
123·0	122·5	122·8	121·4	121·9	125·4	122·2	122·7	124·0	124·7	124·7	127·6	122·03	
120·8	121·0	121·4	122·7	122·8	124·1	—	—	—	—	—	—	122·25	
—	—	—	—	—	—	123·9	123·7	125·1	122·9	120·6	124·6		
120·5	123·5	125·9	121·5	122·6	122·6	121·2	123·6	122·6	122·0	124·0	125·5	122·19	
121·5	121·6	123·1	116·8	123·4	124·0	123·6	125·0	124·8	125·8	125·8	127·8	121·66	123·01
122·6	122·8	120·8	122·3	125·7	126·8	124·2	124·6	123·8	124·0	125·8	123·8	123·72	
125·3	129·7	142·7	131·6	128·8	123·2	123·3	123·8	131·5	134·0	134·7	120·5	124·93	
123·2	125·3	132·0	136·6	130·1	114·2	127·8	131·6	123·4	129·9	129·0	124·0	123 85	
124·6	128·8	135·7	121·5	122·8	122·6	—	—	—	—	—	—	124·73	
—	—	—	—	—	—	139·3	120·4	120·2	122·7	126·8	128·5		
124·1	124·0	125·7	125·5	121·6	122·0	122·0	124·8	124·0	124·8	127·9	127·8	123·33	
123·0	124·7	123·8	123·1	126 8	122·2	122·5	121·8	120·9	123·2	126·8	127 8	122·56	
123·8	122·7	122·1	122·6	122·6	122·8	123·3	123·6	124·3	124·8	127·8	130·7	122·89	
125·8	122·3	129·5	124·8	120·8	129·9	129·8	121·9	115·5	107·5	127·9	128·9	122·25	
122·6	127·2	128·8	122·2	123·6	129·8	133·0	123·6	121·3	120·3	120·4	117·6	122·27	
123·9	124·1	123·6	128·8	123·9	128·3	—	—	—	—	—	—	122·73	
—	—	—	—	—	—	127·5	123·8	119·7	124·4	123·8	125·81		
123·50	123·49	124·66	123·81	124·43	124·05	125·15	124·61	123·49	122·84	124·37	125·88	122·92	

Reading Telescope was found to have given way between the hours of 9 and 10; the connexion was continued by means of the auxiliary Declination Magnetometer.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

Mean Göttingen Time.		0h.	1h.	2h	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
SEPTEMBER.*	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	124·0	119·9	120·6	121·0	116·0	112·1	108·7	107·8	109·8	113·8	1.6·8	118·8
	3	125·4	128·0	127·9	123·8	116·5	110·5	108·6	107·6	110·3	113·8	117·3	120·2
	4	128·2	129·2	127·1	124·2	117·7	117·9	117·2	116·8	110·1	113·9	122·1	116·8
	5	124·5	126·5	125·0	121·8	115·2	111·6	109·2	110·3	113 2	116·5	119·8	119·8
	6	120·7	122·9	120·8	120·2	115·0	109·2	108·1	108·2	109·8	112·1	116·5	118·0
	7	128·1	128·0	126·2	120·1	116·2	112·9	105·0	105·6	108·5	113·0	116·8	116·0
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	126·3	128·2	126·2	121·0	116·2	112·8	111·7	110·7	113·4	116·9	120·6	119·0
	10	125·0	125·8	123·1	119·8	115·5	111·7	109·8	110·4	114·0	118·0	120·0	120·0
	11	125·3	126·0	124·0	120·2	115·5	111·0	107·3	108·4	111·9	115·7	118·9	118·9
	12	124·6	127·4	125·5	120·8	115·4	108·9	105·1	106·5	110·2	114·0	119·6	118·4
	13	125·7	129·2	127·2	121·8	115·6	110·4	106·9	107·8	109·6	114 0	117·7	118·2
	14	127·2	126·3	125·8	122·8	115·4	108·2	106 0	104·9	107·5	113·9	117·0	119·0
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	125·2	126·0	127·6	123·6	117·7	113·7	110·3	110·2	111·9	114·9	117·0	118·3
	17	122·9	125·0	125·8	123·5	118·5	114·2	110·6	110·2	111·3	113·6	115·8	117·1
	18	125·0	126·6	127·3	123·2	119·4	114·5	111·0	111·1	112·2	113·1	115·6	116·8
	19	117·0	119·8	121·1	120·0	119·8	118·0	115·2	112·5	112·0	113·8	115·1	116·0
	20	134·8	126·3	122·5	128·3	115·9	110·1	107·6	109·0	107·9	1.9	114·0	120·9
	21	120·0	118·8	124·0	122·1	115·0	112·8	109·3	110·6	111·6	113	115·5	117·0
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	114·0	120·0	120·6	115·7	113·6	109·5	108·3	111·5	113·8	116·	1.·2	119·0
	24	119·3	123·7	117·7	112·7	108·9	109·4	108·7	109·4	113·1	117	1.·3	119·8
	25	123·0	126·2	117·1	123·0	117·2	113·1	107·4	109·8	113·6	113··	115·7	117·0
	26	120·9	129·0	120·1	117·3	107·1	106·5	105·5	107·0	100·0	110·3	112·7	120·7
	27	128·0	126·0	127·5	121·0	113·0	107·0	110·2	109·8	110·0	112·2	117·7	119·0
	28	121·2	121·9	123·6	123·2	119·7	113·2	109·5	110·3	113·2	116·1	117·7	118·2
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	121·4	119·2	114·9	116·4	117··	107·1	103·7	111·1	111·2	113·6	118·0	118·0
Hourly Means		123·91	125·04	123·57	121·10	115·74	111·45	108·84	109·90	110·80	114·14	117·46	118·44
OCTOBER.	1	99·3	74·4	98·1	108·8	113·2	114·1	104·1	113·8	106 3	113·2	121·9	114·8
	2	119·5	122·4	123·2	123·0	120·2	116·8	114·5	102·0*	105·8	111·7	114·0	115·7
	3	123·0	124·0	121·0	119·0	116·4	113·9	111·7	110·0	112·4	114·2	116·7	116·8
	4	122·0	124·4	123·4	124·0	118·3	114·0	108·0	110·0	111·9	114·9	116·0	115·9
	5	121·7	121 0	122·8	122·0	121·3	119·0	114·7	113·5	113·8	115·3[b]	112·7	116·0
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	121·5	122·5	118·7	118·2	117·5	112·0	110·4	111·3	114·1	116·3	116·5	117·6
	8	121·7	124·6	121·9	119·8	119·0	115·0	112·9[c]	114·2	115·0	117·3	117·8	117·6
	9	124·0	121·5	121·6	121·8	118·1	113·5	110·5	112·1	114·0	117·4	118·8	119·0
	10	120·0	121·2	122·7	122·8	117·6	112·9	111·7	111·8	113·4	115·7	116·2	116·7
	11	119·8	121·9	121·8	121·9	119·7	115·5	112·8	112·9	113·8	115·1[d]	117·3	117·0
	12	120·5	121·8	124·9	124·9	121·0	119·3	109·8	109·7	112·0	114·3	116·2	115·8
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	120·6	123·0	125·1	125·2	123·2	118·0	114·0	111·8	111·7	113·0	115·2	114·8
	15	120·8	122·9	125·0	124·6	120·0	113·0	109·2	110·0	112·2	115·0	116·8	117·9
	16	120·1	122·6	125·1	124·1	121·5	117·1	113·4	111·6	112·5	114·4	116·2	117·0
	17	118·2	121·8	124·1	125·7	120·7	114·2	110·0	108·1	109·0	112·2	113·7	112·0
	18	118·2	126·3	120·3	124·8	119·7	113·4	111·8	111·0	112·8	114·6	115·4	116·2
	19	120·8	121·0	123·8	122·8	119·9	115·5	113·5	113·3	113·8	115·9	117·3	118·0
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	108·3	101·5	114·7	117·8	109·5	113·0	115·1	115·0	116·1	118·2	123·4	124·4
	22	119·4	120·6	119·2	118·5	117·9	116·3	114·9	114·5	116·8	116·1	117·3	117·4
	23	119·8	120·8	117·2	117·2	111·1	110·3	109·1	109 ·	111·1	114·3	116·0	116·8
	24	118·8	120·2	118·5	115·8	115·0	111·8	110·2	112·1	114·6	117·0	118·1	118·4
	25	127·0	124·8	122·0	118·4	115·8	113·0	112·0	112·8	113·8	105·7	114·2	115·4
	26	124·6	123·8	124·1	117·7	113·3	108·6	112·0	112·3	111·3	114·8	110·4	133·6
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	119·1	121·1	122·6	120·1	120·5	114·3	114·1	114·7	114·9	113·9	113·0	115·1
	29	119·1	120·1	119·0	119·6	115·2	113·9	113·8	113·2	114·2	116·7	115·3	119·0
	30	110·9	117·1	123·7	121·8	119·5	115·8	112·4	112·5	113·5	115·5	117·2	116 9
	31	119·8	121·0	122·0	123·1	122·4	120·9	116·4	112·8	112·0	115·0	115·0	115·3
Hourly Means		119·20	119·57	121·20	120·87	118·06	114·63	111·96	111·72	112·70	114·73	116·24	117·45

* The Scale readings in this and following months require a correction of 4·63 divisions to be added to them in order to connect them with the Scale readings in the month of August.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means.	
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
—	—	—	—	—	—	—	—	—	—	—	—	—	
117·5	119·2	120·7	117·0	126·3	118·0	117·1	117·5	117·6	119·8	114·1	121·1	117·30	
118·0	117·1	117·0	117·6	117·7	117·0	126·2	119·1	118·8	117·8	110·9	119·6	117·78	120·00
118·2	117·9	118·3	118·6	125·8	122·8	119·0	117·8	118·9	118·1	122 3	122·8	120·07	
119·0	118·6	117·2	116·5	117·0	117·4	118·0	118·0	118·8	119·0	119·2	119·0	117·96	
117·3	117·4	116·8	116·8	116·4	117·5	123·0	122·2	119·6	122·6	124·1	124·1	117·47	
114·9	114·3	116·4	116·0	116·4	117·2	—	—	—	—	—	—	117·49	
—	—	—	—	—	—	123·7	115·7	118·8	120·6	124·1	125·2		
120·2	133·1	113·2	118·2	117·9	117·4	118·8	116·4	119·0	119·8	122·1	120·9	119·17	
117·9	116·6	118·8	117·0	116·8	116·9	118·3	118·1	119·0	120·2	121·1	122·2	118·17	
116·6	116·1	116·7	117·0	119·4	117·4	119·0	119·3	120·4	121·2	122·0	122·8	117·96	
117·8	116·9	116·9	115·7	116·1	117·0	118·0	119·5	120·6	122·3	121·4	122·4	117·96	
117·0	117·0	117·2	120·4	119·3	118·0	120·8	118·3	120·6	124·8	126·2	127·0	118·78	
118·0	117·9	118·8	158·1	126·9	118·8	—	—	—	—	—	—	120 77	
—	—	—	—	—	—	126·1	125·7	125·1	121·4	122·3	124·8		
118·5	127·1	119·4	118·6	117·5	117·2	117·9	119·6	121·2	118·6	122·9	121·7	119·02	118·57
118·9	116·9	115·7	124·0	120·1	121·3	118·8	120·0	121·6	120·0	123·3	123·0	118·84	
117·2	118·6	119·4	120·0	120·0	117·0	117·5	118·9	119·5	121·0	121·7	121·7	118·68	
118·0	117·0	117·2	118·7	133·3	122·0	129·8	129·2	125·3	125·3	123·2	120·3	119·98	
120·3	117·0	119·8	124·7	117·6	118·7	121·7	102·0	118·8	116·6	124·8	122·2	117·98	
118·0	116·8	126·8	117·8	116·3	118·3	—	—	—	—	—	—	117·33	
—	—	—	—	—	—	120·4	123·2	106·2	115·4	124·1	122·0		
118·6	118·5	118·2	122·1	119·2	116·4	119·8	116·1	121·6	121·2	121·7	122·2	117·33	
120·5	118·8	118·8	133·7	119·3	118·2	118·0	117·6	116·5	119·0	122·1	118·9	117·57	
111·6	117·9	138·6	130·8	140·5	128·2	123·3	125·0	114·1	125·2	117·2	122·7	120·50	
125·4	122·0	127·9	118·3	118·8	119·0	119·7	121·1	139·3	110·2	115·1	108·0	116·75	
126·5	124·0	123·1	132·9	128 0	126·8	119·2	119·0	118·7	119·0	119·0	118·4	119·83	
120·7	117·8	118·2	118·3	117·9	118·2	—	—	—	—	—	—	118·86	
—	—	—	—	—	—	129·0	117·0	127·0	117·4	122·1	121·2		
120·5	127·1	154·4	138·0	127·3	130·0	134·7	127·4	118·3	139·5	94·5	85·2	119·54	
118·71	119·26	121·02	122·67	121·27	119·47	121·51	119·35	120·25	120·64	120·06	119·98	118·52	
117·0	118·3	119·0	119·5	118·5	118·0	118·8	119·8	118·0	120·0	120·0	120·4	112·89	
114·1	117·1	115·9	118·9	118·0	115·7	117·0	—	116·9[b]	117·2	120·9	120·1	116·55	117·75
115·8	115·3	115·3	117·0	116·3	117·2	118·2	117·5	117·8	118·3	121·2	121·0	117·08	
119·0	116·0	114·7	116·2	117·0	117·8	119·0	117·8	122·3	118·8	117·6	121·6	117·52	
114·3	116·9	125·7	117·0	116·6	116·0	—	—	—	—	—	—	118·20	
—	—	—	—	—	—	118·6	116·0	119·8	120·4	119·8	121·8		
116·0	116·8	117·8	129·4	119·0	112·7	120·0	119·4	118·4	118·0	120·0	120·2	117·68	
116·0	116·0	115·5	116·8	117·0	116·6	118·0	118·8	118·9	120·2	119·7	120·7	117·96	
116·8	117·0	117·2	116·6	117·1	117·3	117·8	118·0	117·8	116·6	117·4	118·2	117·50	
116·8	117·5	117·7	117·8	118·0	118·1	118·2	118·4	119·4	118·4	116·3	121·2	117·52	
117·0	117·4	117·8	118·4	118·0	117·6	118·0	118·4	118·8	119·2	119·3	119·3	117·86	
116·9	117·0	117·6	118·0	118·0	117·8	—	—	—	—	—	—	118·05	117·87
—	—	—	—	—	—	118·2	119·0	119·8	120·0	119·9	120·7		
115·1	116·4	122·0	117·0	121·0	121·4	119·8	122·2	120·7	110·1	119·4	120·8	118·40	
117·2	117·2	117·3	118·4	118·4	117·9	118·0	118·2	118·0	118·0	117·6	118·4	117·58	
117·2	119·1	122·1	118·3	121·6	117·9	117·3	117·7	117·9	118·4	119·2	119·7	118·39	
116·1	117·2	117·0	118·9	118·4	124·9	122·4	118·2	118·0	119·2	119·3	117·4	117·36	
117·3	118·0	118·3	118·2	117·8	118·8	120·8	119·0	117·3	118·0	118·5	119·8	118·01	
117·0	117·1	117·5	117·5	118·1	121·7	—	—	—	—	—	—	118·86	
—	—	—	—	—	—	128·7	138·9	124·4	119·0	107·1	110·0		
119·0	117·9	120·9	126·2	122·1	122·2	120·1	116·9	116·7	112·0	118·9	118·1	117·00	
117·0	117·2	117·1	126·5	122·2	118·9	116·9	117·9	108·2	116·8	122·8	119·0	117·89	
122·2	122·7	122·9	118·2	118·8	120·2	117·9	109·3	116·2	119·5	117·7	118·1	116·53	
118·5	118·5	120·8	119·1	121·2	117·5	120·0	121·8	109·9	117·0	131·0	127·2	118·04	
120·9	126·1	119·9	121·1	127·0	147·6	119·0	113·2	128·8	115·0	116·5	117·3	119·47	
115·8	124·9	118·3	125·5	116·1	114·3	—	—	—	—	—	—	117·90	
—	—	—	—	—	—	120·3	118·8	117·6	117·0	116·2	118·4		
125·2	119·0	118·1	119·0	123·4	120·2	118·9	121·2	121·4	118·5	119·9	117·5	118·57	108·09
118·0	117·9	120·0	130·8	123·9	118·2	118·6	117·3	117·0	115·9	123·2	119·2	118·30	
117·0	119·8	119·0	120·4	119·4	118·3	117·1	119·0	118·0	118·5	119·0	119·4	117·57	
117·1	118·4	110·0	118·8	118·8	119·0	—	119·0	118·8	119·6	120·0	121·0	118·49	
117·42	118·25	118·68	119·98	119·30	119·40	119·14	118·91	118·40	117·76	119·20	119·50	117·67	

[a] Five minutes late. [b] Two minutes late. [c] Eight minutes late. [d] Three minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

	Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	12h.	13h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
NOVEMBER.	1	119·9	123·2	124·6	125·6	123·5	117·0	115·3	111·5	111·7	115·2	114 0	117·9	118·1	117·4
	2	120·4	122·7	120·8	120·2	119·0	116·7	112·7	111·0	113·1	111·9	112·6	125·7	112·3	114·8
	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	119·0	120·7	121·7	121·7	117·9	111·8	113·6	111·2	113·8	112·2	112·8	114·1	115·0	124·1
	5	116·8	119·1	119·4	120·4	117·0	115·3	113·5	112·3	113·1	114·9	113·2	115·3	116·8	115·9
	6	119·6	119·0	121·0	121·0	119·9	116·1	114·0	110·9	113·0	116·9	117·8	118·0	117·9	118·1
	7	120·0	121·4	120·0	119·6	116·1	114·8	113·2	112·0	112·4	115·0	115·8	118·0	118·4	118·7
	8	118·7	120·7	122·1	119·8	117·9	115·2	113·5	114·1	115·2	117·3	118·6	118·5	118·1	119·2
	9	119·0	120·6	122·1	121·7	119·5	115·4	114·3	115·0	115·9	117·6	118·0	117·2	117·4	118·5
	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	109·1	122·7	119·5	118·0	118·7	111·2	105·1	106·8	105·5	119·0	117·3	107·8	113·4	122·0
	12	118·1	119·0	120·8	120·7	113·9	102·9	108·6	108·8	109 0	113·6	115·8	115·9	116·1	117·9
	13	116·8	119·4	117·6	120·0	118·8	116·7	114·9	113·9	114·7	114·3	115·5	115·0	122·0	123·8
	14	119·0	121·0	122·0	120·7	119·8	115·7	113·0	110·5	112·3	114·1	115·2	116·0	117·8	118·1
	15	118·3	120·2	122·2	122·0	119·7	117·7	114·4	112·0	112·0	112·7	114·2	117·3	117·4	118·2
	16	114·0	118·0	111·5	105·8	106·9	102·6	100·9	111·6	99·1	103·9	114·2	119·9	125·2	123·2
	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	106·8	119·0	121·4	122·7	120·1	115·0	114·1	113·1	114·4	117·4	121·2	113·7	117·6	116·7
	19	101·3	115·6	117·8	117·0	118·2	115·4	113·7	112·5	114·1	113·8	116·4	117·2	117·8	119·0
	20	118·0	115·8	119·8	120·3	118·8	115·0	114·0	112·8	112·0	113·2	114·7	116·0	117·7	117·9
	21	118·1	118·7	118·1	117·8	116·2	113·5	111·8	110·8	113·0	115·0	115·6	116·9	117·1	118·5
	22	130·0	127·0	123·8	120·0	114·2	113·2	109·0	114·2	111·3	108·9	113·3	116·4	122·4	116·4
	23	110·0	114·5	116·4	117·0	117·8	110·0	111·6	109·0	115·8	114·0	113·0	117·3	118·1	119·0
	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	116·8	117·0	120·2	122·2	118·3	117·0	112·7	113·0	115·2	116·0	116·7	118·0	119·2	119·0
	26	118·6	119·3	119·8	120·6	119·2	116·3	113·8	113·0	114·1	115·9[b]	117·0	118·0	119·0	118·6
	27	119·3	118·9	122·9	123·5	121·8	117·9	114·4	113·0	113·4	115·0	116·3	118·0	117·4	123·0
	28	121·5	118·3	116·6	115·5	115·0	112·8	110·6	110·0	114·2	115 0	115·4	117·3	118·8	118·3
	29	119·5	120·0	121·0	123·4	120·0	115·2	114·0	114·0	113·8	114·0	114·5	117 1	117·7	118·0
	30	117·9	118·5	119·8	119·7	120·0	118·1	115·3	114·2	114·4	114·2	115·2	116·1	117·3	117·2
	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		117·17	119·63	120·11	119·88	118·01	114·17	112·38	111·97	112·71	114·27	115·55	116·87	117·85	118·87
DECEMBER.	2	118·6	119·7	120·2	122·1	120·9	116·2	112·8	112·8	113·5	114·2	116·5	117·6	117·1	118·3
	3	119·7	119·0	119·7	120·1	119·6	118·2	115·8	113·9	114·8	115·0	115·7	116·1	117 0	117·5
	4	121·0	121·9	111·1	119·7	117·8	116·3	112·9	114·4	110·8	111·4	108·3	110·8	119·8	118·5
	5	119·6	119·0	119·6	120·0	120·0	115·5	114·6	113·0	113·5	114·4	116·0	116·1	117·7	117·4
	6	127·5	117·0	116·5	119·8	120·1	118·3	114·8	113·7	113·1	113·8	115·4	116·2	117·1	117·1
	7	118·0	118·0	118·1	119·3	120·0	119·3	117·0	114·4	113·8	113·9	115·0	116·0	117·0	117·8
	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	118·8	118·8	118·0	118·7	118·8	117·0	115·1	113·8	114·0	115·8	115·7	118·8	118·4	117·6
	10	122·1	119·7	120·1	120·8	117·9	116·0[c]	115·0	113·5	114·4	116·0	117·2	118·5	119·3	118·8
	11	118·5	120·2	118·9	118·6	118·6	116·3	114·8	114·2	113·9	115·4	116·8	118·0	119·2	118·5
	12	119·8	118·4	119·6	120·5	120·5	118·4	114·2	112·3	113·2	114·8[d]	116·1	117·7	118·1	118·2
	13	118·8	119·9	119·5	120·9	119·8	117·7	114·8	112·0	112·6	115·4	115·9	117·6	118·1	118·5
	14	118·2	120·0	117·9	120·9	122·0	118·0	111·2	100·8	98·4	105·3	114·1	115·6	117·2	119·0
	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	117·7	117·1	119·1	119·0	119·5	113·9	112·4	109·4	113·2	114·0	116·2	116·4	118·0	128·2
	17	117·5	117·5	118·0	118·6	120·4	119·2	118·9	116·1	115·4	114·9	115·2	117·0	118·0	118·4
	18	117·6	118 2	119·0	119·8	120·7	119·1	118·0	117·7	116·4	116·0	116·8	116·9	117·1	118·0
	19	118·2	115·8	118·2	119·5	114·7	113·0	112·2	114·3	114·5	114·8	113·6	114 0	117·8	118·2
	20	121·9	115·1	110·0	113·1	117·0	116·6	115·4	113·6	113·7	108·5	117·6	117 4	118·7	125·6
	21	104·8	116·0	119·3	117·3	111·0	108·0	116·5	112·0	114·0	114·6	116·2[e]	118·8[f]	120·0	118·2
	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	117·8	118·0	120·0	120·4	118·2	116·0	115·2	115·4	117·0	117·0	116·0	118·2	118·2	118·7
	24	118·2	118·7	119·2	120·9	119·5	117·4	114·5	114·7	115·2	116·3	116·4	116·9	117·8	119·0
	25	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	112·4	113·3	120·0	122·3	119·0	116·6	112·0	116·2	110·0	111·8	115·4	115·0	116·2	118·0
	27	119·8	119·2	121·2	122·2	121·0	117·4	114·7	112·4	114·0	114·9	115·4	116·9	115·0	120·5
	28	118·8	121·0	121·2	121·4	120·8	114·1	111·9	110·0	111·0	114·2	116·0	117·2	117·2	117·8
	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	119·6	125·4	123·5	118·0	120·4	114·0[a]	111 5	112·1	108·5	114·3	116·0	119·1	119·0	127·0
	31	118·3	129·0	129·4	128·2	120·6	119·6	118·0	115·3	114·0	116·5	117·6	118·2	119·0	118·6
Hourly Means		118·50	119·04	119·09	120·08	119·15	116·48	114·57	113·12	112·92	114·13	115·68	116·84	117·92	119·3

[a] Seven minutes late. [b] Three minutes late. [c] Ten minutes late. [d] Four minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means.	
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
118·1	117·4	117·9	129·6	120·0	119·1	119·4	118·0	113·6	119·0	115·5	119·6	118·61	
112·3	114·8	134·0	117·2	120·9	122·0	—	—	—	—	—	—	118·54	
—	—	—	—	—	—	123·9	121·2	116·7	118·4	118·2	118·5		
115·0	124·1	119·0	117·8	118·6	117·8	118·8	117·2	117·2	119·2	118·3	117·5	117·12	
116·8	115·9	115·6	118·7	117·5	118·0	117·2	117·0	117·9	118·9	118·3	119·1	116·72	
117·9	118·1	118·0	117·2	117·8	117·4	118·9	118·8	118·9	119·0	120·8	120·4	117·93	
118·4	116·7	118·0	117·4	117·4	117·1	117·0	117·0	117·8	118·8	118·6	119·2	117·25	
118·1	119·2	119·4	119·0	117·9	117·1	116·9	116·2	116·0	117·7	118·0	119·1	117·76	
117·4	118·5	117·7	118·8	119·0	118·0	—	—	—	—	—	—	118·27	
—	—	—	—	—	—	118·1	119·5	119·9	117·8	117·0	120·5		
113·4	122·0	116·8	119·0	119·7	118·7	118·0	120·0	117·9	119·0	117·0	116·0	115·76	116·85
116·1	117·9	116·9	117·2	119·0	121·5	106·8	118·1	116·0	117·0	114·8	118·0	115·27	
122·0	123·8	120·1	121·0	120·0	115·7	121·1	116·8	107·4	115·1	120·4	119·3	117·51	
117·8	118·1	118·0	118·4	117·8	118·4	117·6	116·6	116·0	117·0	117·4	117·3	117·07	
117·4	118·2	118·7	118·1	119·2	118·5	117·7	119·5	119·3	112·4	116·1	125·0	117·62	
125·2	123·2	127·6	117·4	118·0	118·8	—	—	—	—	—	—	113·77	
—	—	—	—	—	—	121·0	111·5	115·9	118·3	117·3	108·0		
117·6	116·7	118·3	126·0	129·3	126·2	107·6	104·5	118·8	120·0	113·4	118·0	117·30	
117·8	119·0	118·6	120·0	120·8	117·0	117 6	117·8	115·3	116·6	116·1	118·0	116·15	
117·7	117·9	117·8	118·0	116·3	116·6	118·2	118·1[a]	115·0	118·3	118·0	117·8	116·67	
117·1	118·5	118·2	126·2	120·0	121·2	118·1	117·9	118·6	122·0	101·9	118·0	116·80	
122·4	116·4	126·4	132·4	125·9	100·2	97·2	113·9	114·4	118·0	107·5	114·6	116·28	
118·1	119·0	119·0	118·9	118·5	117·0	—	—	—	—	—	—	115·59	
—	—	—	—	—	—	117·0	116·2	115·2	116·2	114·9	117·8		
119·2	119·0	119·3	119·8	119·2	124·0	118·0	115·2	116·0	117·2	119·4	118·4	117·82	
119·0	118·6	120·7	121·4	119·4	118·0	117·2	116·8	117·6	117·4	120·8	119·8	118·01	
117·4	123·0	118·3	121·3	124·1	123·3	124·6	118·0	117·2	119·5	117·8	112·0	118·79	117·88
118·8	118·3	118·5	124·4	122·4	123·3	127·3	118·4	118·1	120·6	120·0	120·5	118·03	
117·7	118·0	119·0	118·8	119·0	118·0	118·0	117·0	117·6	117·8	118·0	118·2	117·65	
117·3	117·2	117·8	118·2	118·0	118·0	—	—	—	—	—	—	117·38	
—	—	—	—	—	—	118·2	117·8	117·4	118·0	118·5	117·4		
117·85	118·87	119·60	120·47	119·83	118·50	117·36	116·88	116·60	118·05	116·70	118·06	117·14	
117·1	118·3	120·0	121·4	118·2	118·3	117·5	116·7	116·1	117·4	118·4	117·9	117·60	
117 0	117·5	117·8	118·6	119·0	118·6	118·2	118·0	118·1	117·6	118·0	120·6	117·77	
119·8	118·5	118·5	127·2	127·0	119·0	122·3	118·0	115·0	116·7	114·8	117·0	117·05	
117·7	117·4	117·8	118·8	118·1	117·2	118·0	117·7	118·1	117·1	117·0	117·4	117·21	
117·1	117·1	117·9	118·0	117·8	117·3	118·0	118·3	117·0	117·4	117·0	118·2	117·39	
117·0	117·8	118·8	118·8	119·3	118·1	—	—	—	—	—	—	117·65	
—	—	—	—	—	—	118·2	118·9	118·6	117·7	118·6	119·0		
118·4	117·6	118·0	118·4	116·8	123·9	120·2	119·1	119·0	119·1	121·2	118·1	118·05	
119·3	118·8	118·6	118·0	118·0	117·9	117·6	117·3	117·0	117·7	118·2	118·6	117·84	117·42
119·2	118·5	118·5	118·3	118·2	119·8	117·9	117·0	117·0	115·8	119·0	119·2	117·61	
118·1	118·2	118·6	118·8	119·1	121·0	118·8	118·0	115·5	117·4	117·0	118·8	117·70	
118·1	118·5	118·7	118·3	118·0	118·3	117·9	117·0	117·2	117·3	118·8	119·9	117·59	
117·2	119·0	118·0	124·2	141·3	123·9	—	—	—	—	—	—	116·80	
—	—	—	—	—	—	118·3	114·0	114·2	117·0	116·8	117·0		
118·0	128·2	118·6	118·7	119·7	119·3	118·2	117·5	115·1	117·0	117·2	117·0	117·18	
118·0	118·4	118·8	118·7	118·0	124·8	117·7	117·7	116·6	117·2	118·0	119·0	117·97	
117·1	118·0	119·5	119·7	119·0	118·6	119·8	117·4	116·0	120·6	132·8	125·0	119·15	
117·8	118·2	119·8	120·0	121·4	122·6	121·0	119·5	117·0	118·2	119·6	120·8	117·45	
118·7	125·6	129·0	123·9	126·6	124·9	126·0	124·3	116·4	117·1	117·0	109·1	118·27	
120·0	118·2	119·5	120·8	119·3	117·6	—	—	—	—	—	—	116·09	
—	—	—	—	—	—	116·4	116·7	116·7	117·7	117·0	117·8		
116·2	118·7	118·7	120·0	118·9	118·0	116·8	116·4	116·5	116·9	117·0	117·8	117·67	
117·8	119·0	119·0	119·2	118·8	117·8	—	—	—	—	—	—	117·59	117·84
—	—	—	—	—	—	117·0[b]	117·0	117·0	117·3	118·1	117·2		
116·2	118·0	117·8	119·0	119·0	121·2	122·8	121·0	118·6	117·3	118·0	116·6	117·06	
115·0	120·5	116·8	118·7	118·0	117·0	118·0	118·5	117·8	118·2	118·3	118·0	117·66	
117·2	117·8	117·4	119·0	118·8	118·1	—	—	—	—	—	—	116·95	
—	—	—	—	—	—	115·0	116·4	118·4	114·0	118·6	118·6		
119·0	127·0	124·0	122·2	129·0	124·0	119·8	118·6	118·2	116·1	113·2	112·2	118·57	
119·0	118·6	121·0	120·4	128·3	119·2	118·9	117·6	115·1	115·9	115·0	117·7	119·64	
117·92	119·32	119·24	119·92	121·02	119·82	116·78	117·94	116·89	117·27	118·18	117·94	117·66	

[a] Five minutes late. [b] Christmas-day. [c] Twelve minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
JANUARY.	1	530·0	531·5	534·0	534·0	528·0	517·0	517·6	521·0	524·0	523·0	520·8	525·3
	2	524·0	520·0	521·0	530·5	530·2	523·1	522·6	513·7	512·1	514·6	513·5	516·5
	3	519·0	519·5	520·1	518·3	511·5	506·0	507·5	511·3	514·3	515·6	518·7	517·8
	4	521·3	522·0	528·0	524·5	524·8	522·3	517·5	522·0	521·9	523·6	524·0	526·7
	5	526·0	529·0	519·8	521·3	515·0	512·5	509·8	514·5	506·3	516·6	519·5	521·4
	6	519 0	522·0	516·9	517·0	506·0	513·5	510·0	515·7	517·7	511·6	514·2	518·0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	528·0	526·0	524·9	526·5	528·3	526·0	519·0	515·8	524·1	524·0	528·1	518·4
	9	529·0	526·5	526·1	524 5	522·8	519·8	510·5	513·0	512·9	516·0	526·2	526·1
	10	522·5	525·0	521·3	515·5	517·0	515·0	510·0	512·8	517·2	520·5	519·3	516·9
	11	524·0	523·5	521·0	526·0	523·3	520·5	516·0	514·5	517·2	524·6	529·7	527·1
	12	525·0	525·5	523·5	520·5	510·8	510·3	512·2	515·7	521·5	525·6	516·5	527·0
	13	517·0	518·0	515·8	511·0	504·6	502·4	504·1	511·7	517·0	523·8	527·5	522·8
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	530·0	530·0	527·9	524·0	520·0	515·1	514·5	518·7	521·5	527·8	530·1	529·0
	16	526·0	526·0	525·8	521·0	516·0	513·3	513·6	517·6	521·0	523·6	525·1	523·0
	17	518·0	520·0	521·0	517·0	509·0	502·0	503·0	504·2	509·3	511·8	523·2	521·3
	18	521·0	526·0	526·3	521·5	514·3	513·0	516·0	521·3	520·6	521·1	524·8	521·0
	19	523·0	524·0	523·8	524·0	526·0	521·0	520·0	520·6	525·6	526·5	527·0	525·7
	20	529·5	532·5	530·4	528·0	525·0	526·0	528·0	527 5	525·8	528·5	431·9	530·6
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	545·5	547·0	544·0	539·0	547·0	539·0	539·0	540·0	536·8	540·0	538·2	536·8
	23	528·0	528·0	527·1	524·0	522·0	523·0	528·0	531·2	535·3	533·0	531·8	529·4
	24	520·8	520·5	517·5	510·0	504·0	504·1	509·5	514·5	522·6	527·9	530 8	530·7
	25	527·5	531·1	535·0	530·4	534·8	525·6	522·6	526·3	534·2	536·4	541·1	538·7
	26	544·3	544·8	542·2	537·9	535·0	534·5	536·3	537·9	539·8	542·3	545·2	540·6
	27	545·5	545·6	544·8	542·3	538·6	535·3	538·5	540·6	539·8	539·0	540·8	540·0
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	550·0	549·0	546·0	546·8	543·0	541·5	537·0	540·3	538·7	542·7	543·0	543·2
	30	545·3	542·8	545·0	545·0	542·0	535·7	535·3	536·7	539·7	535·0	534·2	535·9
	31	553·6	553·8	539·0	539·3	536·5	533·7	535·2	542·0	537·2	529·5	539·0	541·2
Hourly Means		529·59	529·99	528·46	526·66	523·54	520·41	519·75	522·26	524·23	526·17	528·30	527·87

TEMPERATURE OF THE BIFILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
JANUARY.	1	36·0	36·5	36·5	36·5	37·0	37·5	38·0	38·5	39·0	39·5	40·5	40·4
	2	39·5	39·5	39·5	39·5	39·5	39·8	40·0	40·4	40·4	40·6	40·6	40·8
	3	44·5	44·5	44·6	44·9	44·9	44·9	45·0	45·2	45·0	45·0	45·4	45·4
	4	44·0	43·8	43·0	42·4	42·0	41·8	41·6	41·5	41·5	41·8	41·7	41·2
	5	40·2	39·8	38·8	39·0	39·5	40·5	40·6	40·8	41·2	41·8	42·2	42·0
	6	41·0	41·0	40·8	40·6	41·0	41·2	41·5	42·0	42·0	42·0	41·8	41·4
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	33·1	33·0	33·0	33·1	33·8	34·5	35·5	35·4	36·5	37·2	37·5	37·5
	9	35·5	35·5	34·7	34·6	35·5	36·0	36·0	36·4	36·8	37·4	37·8	37·8
	10	40·8	40·6	40·5	40·4	40·5	41·0	41·5	41·6	41·5	42·9	42·4	41·6
	11	37·6	37·2	36·0	36·5	36·5	37·0	37·5	38·2	38·5	39·4	39·5	39·2
	12	40·5	41·0	40·5	40·5	41·0	41·2	42·0	42·0	42·4	43·0	43·5	43·0
	13	45·4	45·2	45·0	44·5	43·6	43·5	43·4	43·9	42·1	42·2	42·8	43·1
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	36·0	36·0	36·0	37·4	38·5	39·5	39·5	39·8	40·2	40·2	40·4	40·0
	16	42·0	42·5	42·2	42·4	42·5	43·0	43·9	44·4	44·6	45·0	45·1	45·5
	17	47·0	47·0	46·0	45·5	45·0	45·0	45·2	45·5	45·4	45·2	45·2	44·6
	18	41·5	41·5	40·5	40·5	40·5	41·0	41·0	41·0	40·8	41·2	41·6	41·3
	19	39·6	39·4	39·0	38·6	38·5	38·6	39·4	39·3	39·6	39·9	40·0	40·0
	20	35·5	35·3	34·5	34·8	35·5	36·4	36·5	36·5	36·6	36·8	37·0	36·8
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	?	29 5	29·4	30·0	31·0	32·0	32·5	33·3	33·8	34·2	34·2	34·4
	23	38·	39·0	39·7	40·1	40·5	41·2	42·0	42·8	44·0	45·1	46·0	46·4
	24	4'	43·2	43·0	43·0	43·0	43·2	43·0	42·7	42·2	41·9	41·6	41·6
	25		34·0	32·8	32·0	31·6	32·0	32·5	32·5	32·4	32·4	32·4	32·2
	26	2	24·5	24·5	24·5	24·5	25·5	26·0	26·5	26·5	27·2	28·4	28·6
	27	25·	25·0	24·7	25·0	26·0	27·0	27·8	28·8	29·6	30·6	30·4	30·4
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	23·5	23·5	23·5	23·0	23·0	24·5	25·6	26·7	27·5	28·5	29·2	29·2
	30	31·0	31·0	31·0	31·0	32·0	33·0	34·4	35·5	36·0	36·8	37·2	36·4
	31	32·6	32·0	31·5	32·0	33·4	33·6	33·5	33·5	33·6	34·2	34·8	34·6
Hourly Means		37·13	57·07	36·71	36·75	37·05	37·57	37·98	38·32	38·51	38·93	39·23	39 09

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

12^{h}.	13^{h}.	14^{h}.	15^{h}.	16^{h}.	17^{h}.	18^{h}.	19^{h}.	20^{h}.	21^{h}.	22^{h}.	23^{h}.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
525·0	524·0	523·2	521·0	519·7	524·8	524·1	524·3	525·1	526·6	524·9	527·0	524·93
517·1	518·4	517·8	520·0	519·8	518·1	518·4	519·2	519·2	519·3	519·2	518·8	519·46
[illegible]	514·9	515·0	515·0	516·0	517·2	518·1	519·6	517·7	516·7	521·2	523·0	516·28
	5'	523·8	521·4	516·8	517·2	511·1	500·8	527·4	525·9	529·0	517·5	521·62
52[illegible]	523·[illegible]	522·6	526·0	523·7	522·9	516·0	524·0	520·4	523·4	515·6	513·0	519·38
518·2	523·6	1·8	524·0	522·8	[illegible]	—	—	—	—	—	—	519·39
—	—	—	—	—	—	523·5	523·4	523·4	527·0	528·1	529·2	
515·6	518·0	529·0	521·0	532·0	528·8	525·0	521·6	523·1	524·6	528·2	527·5	524·31
524·6	527 0	526·4	523·1	523·0	521·6	521·8	518·3	524·8	525·0	524·1	522·8	522·32
516·0	516·0	516·2	517·1	521·2	520·4	521·0	521·2	520·4	522·8	524·8	525·0	518·96
524·9	517·5	522·7	528·0	526·0	525·0	525·0	525·0	522·5	523·5	525·0	525·0	523·22
522·2	522·0	523·0	521·8	521·0	518·8	519·8	521·2	520·0	518·4	517·0	517·0	519·85
522·0	522·0	520·6	518·4	517·7	518·4	—	—	—	—	—	—	518·59
—	—	—	—	—	—	525·0	521·9	522·0	524·2	528·2	530·0	
524·6	522·5	520·1	520·0	521·3	521·5	522·2	524·8	524·6	525·3	525·5	525·0	523·58
521·4	521·0	521·0	514·3	514·6	512·7	515·5	515·6	514·8	517·2	518·5	519·0	519·15
520·9	521·0	520·6	519·0	518·2	517·4	517·4	519·0	520·7	518·9	521·2	523·5	516·58
516·5	525·0	524·4	522·4	522·2	518·8	521·2	521·9	520·0	522·2	524·5	524·3	521·40
526·5	523·1	525·4	522·9	525·4	525·0	523·6	521·6	519·0	525·5	526·4	529·3	524·20
530·2	531·4	530·6	531·0	530·0	531·1	—	—	—	—	—	—	532·59
—	—	—	—	—	—	539·0	540·1	540·5	543·7	545·4	545·5	
536·0	534·7	537·6	535·6	533·9	535·6	530·1	525·8	523·5	523·2	524·4	526·6	535·80
527·2	523·3	524·0	525·8	524·5	523·1	519·0	519·8	523·1	522·0	519·8	521·0	525·53
529·3	533·0	528·9	517·8	506·2	496·5	500·0	502·6	508·3	507·9	525·3	530·3	516·63
535·4	535·0	533·1	532·3	526·6	534·6	545·7	538·9	538·7	540·3	541·5	544·0	530·58
539·2	541·1	539·0	540·0	541·7	548·1	542·6	544·8	546·2	547·0	545·3	548·5	541·84
545·3	542·7	536·9	534·6	533·0	537·1	—	—	—	—	—	—	540·74
—	—	—	—	—	—	—	542·4	545·0	539·0	542·2	548·0	
543·8	538·2	543·1	542·0	541·5	541·2	539·9	538·3	538·8	540·8	539·8	541·2	542·07
528·9	528·0	532·2	531·0	530·8	525·7	528·8	529·6	530·5	532·8	534·0	537·0	535·08
542·6	540·0	539·2	533·1	541·2	540·5	546·8	541·0	538·5	537·5	541·5	539·5	540·06
526.63	526·19	526·60	525·13	524·84	524·46	524·64	524·70	525·86	526·69	528·17	528·83	525·33

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
40·2	40·2	40·0	39·6	38·4	38·4	38·5	38·5	38·6	39·0	38·7	39·3	38·55
40·8	41·4	41·8	42·2	42·0	42·0	42·2	43·0	43·8	44·5	45·0	44·5	41·39
45·3	45·0	44·7	44·5	44·5	44·8	45·0	45·0	44·8	44·8	44·6	44·0	44·85
41·5	41·7	41·5	41·4	40·4	40·8	41·2	40·6	41·4	41·3	41·0	40·6	41·65
41·8	41·0	40·6	40·3	40·4	40·6	40·4	40·5	40·7	40·7	40·7	41·0	40·63
41·9	42·0	41·9	41·8	41·5	41·4	—	—	—	—	—	—	39·49
—	—	—	—	—	—	34·3	33·8	33·5	33·1	33·1	33·1	
37·8	37·2	36·6	36·0	35·6	35·3	35·3	35·0	34·7	35·0	35·4	35·5	35·40
37·8	38·3	38·8	39·0	39·5	40·2	40·5	40·8	41·0	40·8	41·2	40·7	38·03
41·2	41·0	40·6	40·4	40·4	40·2	39·6	38·6	38·2	37·7	37·7	38·0	40·33
38·4	37·8	37·5	37·5	38·0	37·8	38·4	38·5	38·8	39·5	39·8	40·0	38·13
43·2	43·6	44·0	44·2	44·0	44·0	44·0	44·5	45·0	45·5	45·6	45·4	43·07
43·5	43·5	43·7	43·6	43·0	43·0	—	—	—	—	—	—	41·68
—	—	—	—	—	—	35·8	35·8	35·8	36·0	36·0	36·0	
40·0	40·0	40·4	40·5	40·5	40·7	41·4	41·7	42·0	41·8	41·8	41·5	39·85
46·1	46·4	46·5	46·8	46·5	46·8	46·6	46·0	46·0	46·4	46·6	47·0	45·03
44·4	44·0	44·0	43·5	43·1	42·6	42·2	41·8	41·8	42·0	42·0	41·6	44·15
41·4	41·0	41·0	40·7	41·1	41·8	41·8	41·5	41·2	40·8	40·5	40·1	41·05
40·2	40·2	39·7	39·0	38·8	38·5	38·4	38·0	37·4	36·2	36·3	36·2	38·78
36·5	36·4	36·0	35·6	35·1	34·5	—	—	—	—	—	—	33·85
—	—	—	—	—	—	27·5	27·4	27·3	27·5	27·8	28·6	
34·8	35·0	35·2	35·5	35·5	35·6	36·4	36·6	37·1	37·7	38·1	38·6	34·15
46·4	45·7	45·1	45·1	44·4	44·8	44·4	44·5	44·2	44·0	43·5	43·5	43·39
42·0	41·9	41·8	41·6	41·4	40·0	38·8	38·0	37·3	36·6	36·2	35·0	40·94
31·6	31·2	30·5	29·5	28·9	28·4	27·5	26·2	25·4	24·6	24·4	24·5	30·17
28·6	28·2	27·8	27·5	26·6	20·4	26·3	26·2	26·0	25·8	25·5	25·4	26·31
30·5	30·4	30·2	30·0	29·5	29·2	—	—	—	—	—	—	27·48
—	—	—	—	—	—	—	25·3	24·7	24·0	24·0	24·0	
29·3	29·4	29·8	29·4	29·9	30·0	30·1	30·0	30·4	30·5	30·8	31·0	27·85
36·9	37·1	36·7	36·0	35·7	35·5	35·4	34·6	34·2	34·0	33·6	33·5	34·52
34·0	35·2	35·4	35·0	34·6	34·6	34·2	33·2	32·3	32·6	33·0	33·0	33·60
39·11	39·07	38·96	38·75	38·49	38·44	37·93	37·24	37·17	37·13	37·14	37·10	37·95

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Ba. for 1° Fah. = ·00027.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
FEBRUARY.	1	535·5	536·[illegible]	540·8	544·0	530·0	519·0	523·6	525·0	531·5	515·3	514·3	531·6
	2	530·0	529·0	526·0	531·5	526·0	520·5[a]	500·6	524·3	531·9	533·8	532·9	531·8
	3	522·0	520·0	518·8	516·0	515·0	515·0	514·0	517·0	513·6	521·8	524·5	521·8
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	515·0	521·0	525 6	524·0	512·5	513·5	509·5	509·0	518·4	519·4	507·0	520·9
	6	514·5	515·5	516·8	509·5	510·0	508·0	501·3	507·6	516·6	520 5	507·8	515·0
	7	520·0	518·0	517·3	516·0	519·0	515·3	510·5[a]	516·3	519·9	514·5	492·1	511·8
	8	517·0	518·0	513·0	512·0	503·0[b]	494·5	504·5	508·0	514·2	519·5	515·4	516·1
	9	525·0	523·8	522·1	519·5	516·5	518·0	517·0	519·7	526·8[a]	532·8	531·2	530·6
	10	534·0	532·0	530·0	524·5	523·8	521·5	520·0	521·8	525·0	517·4	522·2	524·5
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	530·0	530·3	527·5	528·5	524·5	521·5	518·5[a]	522·8	521·9	525·6	522·3	521·6
	13	524·0	524·0	521·0	518·5	516·8	517·9	518·0	518·0	520·0	522·8	521·0	519·0
	14	522·0	523·0	521·3	519·5	519·3	519·5	520·0	523·4	526·6	528·9	525·9	525·5
	15	526·0	525·0	520·5	522·0	524·0	520·5	526·0	527·4	528·1	523·4[d]	517·8	519·0
	16	523·0	520·0	522·0	522·0	523·0	523·0	522·0	522·5	523·0	521·6	518·3	513·8
	17	526·5	524·5	520·4	517·0	517·0	516·0	519·0	524·5	526·8	529·5	520·3	523·5
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	534·0	533·0	529·8	526·0	523·1	518·0	515·5	518·3	521·3	528·7	529·0	528·5
	20	527·0	526·0	522·0	520·0	518·0	515·0	510·5	512·3	514·0	518·7	522·6	522·9
	21	518·0	517·5	517·1	515·5	515·0	511 8	510·5	511·9	511·3	515·0	519·5	519·0
	22	517·0	516·5	516·0	516·0	516·0	513·0[c]	511·0	510·0	505·8	510·4	514·0	511·2
	23	516·0	515·0	512·0	509·5	508·0	506·0	508·8	509·7	515·5	516·3	517 5	519·0
	24	524·4	523·3	519·8	518·6	519·1	521·9	527·0	528·0	530·6	527·4	528·4	523·4
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	523·0	529·0	531·5	534·0	530·0	527·4	521·8	522·1	524 8	525·1	527·3	528·0
	27	524·0	525·	523·0	522·0	521·0	518·0	517·0	520·0	521·8	522·7	526·0	528·8
	28	528·0	52[illegible]	524·4	521·0	520·5	523·8	524·5	515·5	508·8	514·1	509·9	509·1
	29	507·0	509	509·3	506·0	506·6	506·0	510·5	506·8	514·3	515·2	517·2	511·5
Hourly Means		523·32	523·23	521·96	520·52	518·31	516·10	515·26	517·68	520·50	521·66	519·38	521·18

TEMPERATURE OF THE BIFILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
FEBRUARY.	1	32·5	32·4	31·5	32·0	32·5	33·8	34·8	35·5	35·8	36·2	36·5	36·0
	2	37·5	37·5	37·5	37·5	37·7	38·4[a]	39·6	39·8	40·4	41·2	41·7	41·8
	3	40·5	40·5	40·5	41·3	42·5	43·0	43·5	43·4	43·7	44·1	44·4	44·2
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	38·0	38·5	38·5	38·7	39·5	40·5	41·0	41·2	41·8	42·6	42·8	42·6
	6	44·5	44·6	44·5	44·5	44·5	45·0	45·5	45·7	46·2	46·5	46·4	46·2
	7	42·0	41·5	41·4	41·5	43·0	44·0	44·5[a]	44·4	44·5	44·4	44·5	44·6
	8	41·0	40·7	40·0	40·0	40·5[b]	41·4	41·6	42·4	43·2	43·8	43·8	43·1
	9	37·2	36·0	35·4	35·8	36·2	37·0	37·0	37·0	37·2[a]	38·1	38 3	38·4
	10	37·0	37·0	36·8	36·6	37·0	37 6	38·6	39·2	40·0	40·4	40·6	40 6
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	38·0	37·6	37·6	38·5	40·3	41·6	42·5[a]	43·1	43·8	43·7	45·1	44·7
	13	43·0	43·0	42·6	42·6	43·0	44·0	45·0	45·4	45·8	46·0	46·0	45·7
	14	43·5	43·3	42·5	42·5	42·5	42·7	43·5	44·2	44·4	45·0	45·4	45·5
	15	41·4	41·2	41·1	40·6	41·0	42·0	42·6	43·0	43·5	43·6[d]	43·4	43·4
	16	44·6	44·5	44·6	44·4	45·0	45·5	46·0	46·2	46·2	46·4	46·6	46 7
	17	43·0	43·0	42·0	41·6	42·3	42·6	42·7	43·2	43·6	43·7	43·6	42·6
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	36·5	36·7	37·4	39·0	40·4	41·5	42·0	42·5	43·4	44·5	45·8	46·4
	20	43·0	43·0	44·0	45·4	46·6	47·5	48·0	48·4	49·0	49·4	49·8	49·8
	21	47·2	47·5	47·5	48·0	48·5	49·0	49·5	49·7	50·3	50·6	51·0	51·3
	22	47·5	47·5	47·5	47·8	49·0	49·5[c]	50·0	50·2	50·8	52·0	53·0	53·4
	23	47·5	47 0	46·4	46·0	46·0	46·0	45·5	44·8	44·6	44·6	44·5	45·0
	24	43·0	42·6	42·8	42·4	43·0	43·6	44·0	44·4	44·6	45·0	45·6	45·5
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	38·5	38·5	39·0	40·3	41·5	42·5	43·3	44·1	44·7	44·8	44·7	44·4
	27	43·6	43·5	43·0	42·5	42·5	42·5	43 5	43·2	43·4	43·6	44·1	45·1
	28	42·5	42·5	43·0	44·2	45·5	46·5	47·4	47·8	48·0	48·5	48·7	47·5
	29	45·5	45·5	46·0	46·0	46·4	46·7	47·0	47·4	47·6	48·0	47·8	48·0
Hourly Means		41·54	41·42	41·32	41·59	42·28	42·98	43·54	43·85	44·26	44·67	44·96	44·90

[a] Two minutes late.

[b] Four minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00027.

12^h.	13^h.	14^h.	15^h.	16^h.	17^h.	18^h.	19^h.	20^h.	21^h.	22^h.	23^h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
530·4	532·7	530·0	529·2	526·1	524·3	525·6	528·7	524·9	527·2	527·8	529·0	528·45
515·5	519·0	517·0	512·0	515·4	499·6	511·9	512·9	520·2	515·8	517·4	521·0	520·67
517·8	510·0	504·9	519·9	515·9	517·1	—	—	—	—	—	—	519·86
—	—	—	—	—	—	527·9	529·2	530·6	527·5	532·4	524·0[a]	
511·5	512·5	528·7	525·4	521·0	523·9	520·4	510·4	503·4	500·0	507·2	513·5	515·57
516·8	515·5	515·9	514·7	513·7	515·0	515·4	512·3	510·6	514·2	516·3	517·4	513·29
510·2	507·0	509·8	514·2	514·3	517·5	518·3	519·2	516·0	512·9	515·6	518·0	514·32
522·8	522·3	501·3	508·7	518·6	519·5	518·6	518·1	520·0	520·9	521·3	525·5	514·74
530·0	532·3	530·0	531·6	527·7	526·9	525·5	525·0	527·0	524·7	526·2	531·0	525·87
511·3	522·3	526·1	524·9	525·3	525·9	—	—	—	—	—	—	524·78
—	—	—	—	—	—	525·0	524·4	526·2	527·8	528·8	530·0[a]	
521·6	521·3	521·0	522·0	521·9	518·5	517·2	516·9	518·1	520·0	520·1	523·0	522·40
516·2	524·5	523·8	524·1	521·1	520·2	521·0	518·8	520·0	520·0	521·0	522·0	520·57
524·9	525·0	525·6	525·0	522·9	520·8	522·0	523·8	521·0	520·6	519·0	522·0	522·81
520·7	523·2	522·0	521·2	520·9	520·0	518·6	520·0	520·0	519·4	521·0	521·3	522·00
514·0	517·7	521·0	521·0	515·6	515·0	518·0	519·0	519·8	520 0	521·9	523·0	519·98
525·0	515·0	514·1	517·0	514·8	516·9	—	—	—	—	—	—	522·50
—	—	—	—	—	—	517·0	528·8	527·0	531·5	532·9	535·0[a]	
524·7	524·2	522·7	525·0	522·0	525·2	526·0	526·0	523·9	521·9	521·3	525·0	524·71
523·4	523·4	520·2	519·3	521·1	518·5	517·5	518·2	518·6	518·2	517·8	518·0	519·28
516·6	508·6	511·6	513·2	514·2	513·4	511·9	510·9	507·1	511·6	511·4	513·0	513·57
509·9	511·8	512·9	511·0[a]	510·2	510·2	511·3	514·1	514·0	513·0	515·1	516·0	512·77
520·7	522·0	519·2	519·5	519·6	519·0	519·0	520·0	520·9	521·9	524·1	523·4	516·78
525·0	524·2	523·5	523·6	522·2	525·2	—	—	—	—	—	—	525·74
—	—	—	—	—	—	528·7	527·8	529·9	530·6	531·2	532·0[a]	
527·8	527·2	525·6	525·0	524·1	530·9	530·0	521·1	518·5	521·0	521·5	519·0	525·65
526·8	526·0	525·0	525·2	524·9	526·1	523·8	524·2	525·3	525·0	524·7	528·0	523·93
509·9	514·1	509·7	501·8	464·9	484·6	498·9	503·8	502·5	506·6	509·5	511·0	510·12
513·1	509·5	509·4	508·0	509·9	510·0	510·0	510·3	510·5	511·0	511·8	513·0	510·20
519·46	519·65	518·84	519·30	517·11	517·77	519·18	519·36	519·04	519·33	520·69	522·12	519·62

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
36·6	36·6	37·4	37·4	37·4	37·4	38·1	38·5	38·5	38·2	38·0	37·5	35·88
41·0	41·0	41·0	40·7	40·5	40·6	40·8	41·0	41·0	40·5	40·6	40·4	39·99
44·0	43·5	42·6	41·6	40·5	39·4	—	—	—	—	—	—	40·90
—	—	—	—	—	—	34·8	35·4	36·2	37·0	37·4	37·6[a]	
42·6	43·1	43·0	43·5	43·8	43·8	44·2	44·4	44·6	44·6	44·6	44·0	42·16
46·2	46·2	45·5	45·4	44·6	44·6	44·0	43·5	43·6	43·5	43·5	42·8	44·94
44·8	45·0	44·6	43·8	43·5	42·7	42·0	42·0	42·0	42·0	41·6	41·3	43·15
43·0	42·8	42·8	42·8	42·6	42·6	42·2	42·0	41·0	40·6	40·0	38·0	41·75
37·8	37·6	37·5	37·2	36·4	36·5	36·8	36·6	37·0	37·0	36·8	36·8	36·98
40·4	40·6	39·8	39·5	39·0	38·7	—	—	—	—	—	—	38·73
—	—	—	—	—	—	38·6	38·0	38·4	38·6	38·5	38·0[a]	
41·2	43·8	43·5	43·5	43·2	43·5	43·6	43·2	42·9	42·7	42·5	42·5	42·32
45·2	45·2	45·4	45·0	45·5	45·4	45·2	44·5	44·2	44·2	44·0	43·5	44·56
45·3	45·0	44·1	43·8	43·3	42·8	42·5	41·8	41·5	41·4	41·5	40·9	43·29
41·0	44·3	44·5	44·5	44·7	44·8	44·8	44·1	44·2	44·3	44·4	44·5	43·33
46·6	46·4	45·8	45·5	45·1	44·7	44·2	43·8	43·4	43·2	43·0	43·0	45·06
41·7	41·0	40·6	40·3	40·1	40·0	—	—	—	—	—	—	40·42
—	—	—	—	—	—	35·0	35·1	35·3	35·5	35·5	36·0[a]	
46·4	46·0	45·1	44·7	44·2	43·6	43·0	42·8	43·0	43·2	43·5	43·5	42·71
49·7	49·6	49·1	49·0	49·0	49·2	49·0	48·8	49 0	48·8	48·5	47·8	47·97
51·0	51·0	51·0	50·4	49·6	49·2	49·0	48·2	48·0	47·8	47·4	47·5	49·17
52·8	52·5	51·5	50·6[b]	49·8	49·2	48·6	48·2	48·2	48·0	48·0	47·8	49·72
45·3	45·5	45·7	45·8	46 2	46·0	46·0	45·5	45·2	44·8	44·2	43 5	45·48
46·1	45 6	45·0	44·2	43·2	43·0	—	—	—	—	—	—	42·66
—	—	—	—	—	—	38·8	38·5	38·5	38·2	38·2	38·0[a]	
44·1	43·6	43·8	43·9	43·7	43·6	43·5	44·0	44·5	44·5	44·6	44·5	43·11
45·4	45·4	44·2	43·7	43·7	44·0	43·6	42·7	42·3	42·5	42·5	42 5	43·46
47·0	46·5	46·4	46·0	45·8	46·1	46·0	46·5	46·4	46·4	46·2	45·5	46·12
48·2	48·9	49·8	50·0	50·2	50·0	49·7	49·7	49·6	49·8	49·8	49·5	48·21
44·78	44·67	44·39	44·11	43·82	43·66	42·98	42·77	42·73	42·70	42·59	42·28	43·28

[a] Five minutes late. [b] Three minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
MARCH.	1	511·0	510·0	508·4	507·0	508·6	509·1	505·8	512·3	515·5	518·3	512·1	510·4
	2	515·0	510·0	499·5	512·5	511·0	506·8	502·4	506·5	512·5	512·0	500·4	500·2
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	520·0	520·0	517·8	503·5	509·5	515·5	509·5	507·5	497·0	516·5	514·8	518·3
	5	512·5	516·5	515·0	512·0	518·5[a]	512·5	507·0	506·7	506·5	520·3	517·3	503·0
	6	499·0	510·3	508·0	499·8	505·5	500·8	499·5	494·6	503·9	513·8	513·0	514·0
	7	516·5	513·5	505·5	490·3	480·0	493·6	479·0	485·8	495·3	500·6	508·8	499·2
	8	516·0	508·5	501·3	504·0	496·5	498·0	492·5	490·2	501·6	500·0	503·9	504·6
	9	507·0	507 5	505·5	503·5	502·0	499·8	492·9	503·1	508·8	502·2	502·8	508·5
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	516·0	515·0	514·0	511·5	507·5	503·0	502·0	502·0	504·4	516·5	510·0	506·0
	12	510·0	505·0	508·5	511·0	508·5	497·8	496·0	498·5	507·6	508·3	509·4	503·1
	13	513·0	510·0	505·9	505·6	500·2	494·8	497·5	505·0	507·1	509·0	509·0	516·8
	14	516·0	518·0	513·0	509·8	507·0	506·3[d]	506·8	507·2	51[illegible]·5	519·8	524·0	514·5
	15	522·0	518·5	513·6	514·0	514·5	513·0	513·0	513·5	518·1	521·9	513·5[e]	522·0
	16	517·0	515·3	512·9	509·5	504·0	502·0	507·0	512·5	517·0	520·0	520·0	518·3
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	530·3	528·5	523·5	517·0	512·2	508·8	511·2	511·9	519·1	517·0	519·6	521·3[f]
	19	536·0	531·0	526·8	524·0	520·5	514·0	514·0	519·8	517·8	527·0	533·5	530·6
	20	527·0	523·0	518·8	514·0	509·5	510·5	511·1	513·8	521·8	524·0	524·0	520·6
	21	527·1	524·0	522·1	519·3	510·4	505·7	504·7	505·8	516·3	519·4	520·0	518·0
	22	519·0	526·0	526·0	518·0	512·0	508·0	506·0	507·5	512·7	519·5	523·6	520·5
	23	527·7	527·5	525·7	524·0	517·2	512·0	512·7	520·2	519·2	524·5	528·2	526·8
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	526·7	525·7	524·7	519·0	510·7	503·7	503·7	506·9	506·4	512·0	515·7	516·7
	26	520·7	519·5	517·7	515·7	514·7	511·2	509·7	509·5	513·9	516·5	515·0	517·2[g]
	27	519·6	518·7	519·7	514·7	511·0	510·4	504·3	500·9	509·7	520·1	514·6	524·0
	28	517·7	519·7	512·7	512·7	504·1	504·7	507·7	504·0	507·9	520·8	524·4	522·7
	29	520·0	512·7	511·2	508·7	506·5	504·2	507·7	511·7	518·5	527·0	524·7	508·4
	30	471·0	521·7	503·5	483·7	486·7	493·7	468·2	476·6	506·3	511·0	513·0	526·3
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		516·68	517·54	513·90	510·18	507·49	505·35	502·77	505·15	510·59	516·31	515·97	515·08

TEMPERATURE OF THE BIFILAR MAGNET.

		0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°
MARCH.	1	49·5	49·5	49·5	49·6	49·3	49·8	50·0	50·3	50·7	51·0	51·2	51·0
	2	51·5	51·5	50·0	49·5	49·2	49·4	49·6	50·2	50·7	51·1	51·2	51·2
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	40·5	39·5	39·5	39·5	41·0	41·4	41·5	41·6	42·0	42·7	43·1	43·4
	5	39·5	38·0	37·8	39·0	41·0[a]	42·0	42·8	43·2	44·0	45·4	46·0	46·0
	6	45·0	44·5	44·5	45·0	47·5	48·5	49·2	49·2	49 5	49·5	49·6	49·2
	7	46·0	45·6	46·0	46·5	47·0	48·0	48·5	49·4	50·0	50·6	50·9	51·3
	8	47·0	47·0	47·0	47·5	48·0	48·5	49·0	49·4	49·8	50·4	50·5	50·4
	9	49·6	49 4	48·5	48·5	48 5	48·5	49·0	49·2	49·6	50·0	50·1	50·1
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	44·0	44·0	44·5	45·8	47·5	48·5	49·2	49·6	50·5	51·8	52·4	52·4
	12	49·0	49·0	48·5	48·5	49·5	49·5	49·5	49 6	49·6	50·0	50·4	50·3
	13	50 6	50·5	50·3	50·5	51·0	51·5	51·5	51·8	51·9	52·0	52·4	52·4
	14	47·4	46·3	45·6	45·6	45·6	46·5[b]	46·5	46·8	47·2	47·8	48·6	49·2
	15	44·0	44·0	43·5	43·5	44·0	44·5	45·0	45·5	45·8	46·0	46·0[c]	45·7
	16	48·5	48·0	47·5	47·2	47·0	47·2	47·6	48·1	48·3	48·7	48·7	48·5
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	40·0	40·0	40·4	40·4	40·5	40·5	40·7	40·8	40·6	39·6	38·8	37·3[d]
	19	36·0	36·0	36·0	36·4	37·0	37·6	38·6	39·5	40·2	40·9	41·2	41·0
	20	42·5	42·8	42·5	42·5	43·0	44·0	44·5	44·5	44·5	44·6	44·2	43·8
	21	43·6	43·0	44·4	45·0	45·5	46·0	46·2	46·5	47·0	47·0	47·4	47·0
	22	42·6	42 0	42·0	42·0	42·6	43·5	44·4	45 0	45·2	46·3	46·5	47·3
	23	41·0	40 5	41·5	42·5	43·5	43·6	44·5	44·5	44·8	45·4	46·0	46·4
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	45·5	46·0	46·0	47·0	48·0	48·5	48·5	48·8	49·2	50·4	51·7	52·5
	26	47·5	47·5	47·5	48·0	48·5	49·4	50 0	51·0	52·0	52·8	52·6	52·6[e]
	27	49·0	48·2	47·5	47·0	46·7	46·6	46·6	46·4	46·2	46·2	46·0	45·7
	28	47·0	47·5	47·5	47·5	47·5	47·5	48·0	48·2	48·3	48·8	49·3	49·5
	29	45·7	45·0	45·5	46·0	46·4	46·5	47·4	47·5	47·5	47·5	47·5	47·6
	30	43·5	42·5	42·5	42·7	42·7	43·0	43·5	43·7	43·4	43·6	43·7	43·5
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		45·23	44·92	44·85	45·12	45·70	46·17	46·61	46·93	47·25	47·70	47·92	47·90

[a] Two minutes late. [b] Thirty-eight minutes late. [c] Three minutes late. [d] Nine minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00027.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
511·2	511·0	513·8	508·9	508·1	508·8	510·8	508·5	509·2	503·6	511·5	510·0	510·17
500·6	498·8	502·9	499·0	500·0	508·0	—	—	—	—	—	—	507·32
—	—	—	—	—	—	509·6	509·6	513·2	508·0	518·1	519·0	
522·5	521·5	516·5	503·3	515·8	511·3	514·7	517·5	520·0	512·6	519·9	510·0	513·98
503·1	498·7	487·9	495·9	495·5	498 5	505·0	507·4	510·2	514·5	516·0	503·0	507·65
503·4	500·0	505·0	507·6	504·6	500·2	488·3	496·7	502·2	505·0	506·5	506·5	503·68
484·6	493·6	500·3	484·3	504·8	488·8	491·6	505·0	506·0	506·0	508·0	516·5	498·48
364·9	506·2	500·7	502·3	501·0	505·6	509·0	505·0	505·7	507·2	509·3	501·0	503·12
508·5	501·2	506·6	510·0	506·9	509·9	—	—	—	—	—	—	506·73
—	—	—	—	—	—	512·0[b]	511·0	515·5	513·3	510·0	513·0	
506 8	507·9	508·6	509·1	510·8	510·4	510·5	508·8	504·2	510·0	514·0	513·0	509·25
502·0	506·9	503·0	506 0	506·0	506·0	506·0	509·9	512·1	512·7	511·8	513·0	506·60
516·5	516·0	511·0	513·4	513·1	513·1	512·2	512·0	512·0	514·3	513·0	514·0	509·77
518·0	518·0	516·2	516·0	516·7	518·8	519·5	520·0	517·2	521·0	521·0	523·0	515·76
520·5	523·5	523·0	522·0	521·0	520·5	519·0	518·8	518·6	517·5	517·0	518·0	519·21
518·5	519·2	519·6	519·2	519·4	519·9	—	—	—	—	—	—	517·97
—	—	—	—	—	—	527·8	524·6	523·9	526·3	528·2	529·1	
528·6	526·5	531·0	527·3	521·8	520·0	521·0	519·6	519·1	524·8	521·8	525·5[c]	521·13
531·0	527·4	529·0	529·5	523·7	522·2	510·5	520·0	521·3	523·5	526·5	526·5	524·42
520 5	526·4	528·1	527·4	526·4	524·2	524·6	522·0	524·0	519·3	526·5	526·8	521·43
520·0	522·7	521·6	521·2	521·6	524·7	524·2	523·1	522·8	530·2	528·4	524·0	519·89
524·0	524·2	523·5	521·5	521·1	517·8	521·9	521·7	522·7	521·7	525·0	526·7	519·61
524·6	521·9	521·8	523·5	523·0	524·0	—	—	—	—	—	—	523·38
—	—	—	—	—	—	522·7	527·0	525·7	524·3	528·7	528·2	
514·7	513·7	510·5	511·1	512·0	513·5	515·6	516·1	517·7	518·2	520·2	519·2	514·77
519·2	515·2	517·1	517·6	520·0	515·7	517·2	515·5	516·8	520·7	519·2	517·7	516·38
524·2	503·9	509·3	517·5	516·7	516·7	517·2	518·0	525·4	519·4	518·0	515·7	515·65
519·2	520·7	519·5	519·7	518·0	519·9	515·6	517·7[b]	516·9	514·9	501·4	524·7	515·30
507·9	513·2	504·1	483·0	470·5	475·2	503·5	459·6	459·9	498·4	504·5	492·1	501·38
515·3	518·4	504·2	510·4	515·7	509·4	—	—	—	—	—	—	505·87
—	—	—	—	—	—	526·7	509·2	516·2	517·2	515·7	520·7	
514·22	513·72	512·87	511·80	512·08	511·66	513·72	512·47	513·79	515·56	516·93	516·80	512·61

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
51·0	50 8	50·8	50·8	50·7	50·5	50·8	50·8	51·0	50·8	50·6	50·6	50·44
50·7	50·4	50·2	49·4	49·2	48·5	—	—	—	—	—	—	48·03
—	—	—	—	—	—	42·0	41·5	41·5	41·6	41·6	41·0	
43·5	43·0	42·4	41·8	41·6	41·5	41·4	39·8	39·7	39·6	39·8	40·0	41·24
45·4	45·4	45·2	44·7	44·8	44·8	45·0	45·0	45·0	45·2	45·2	45·0	43·56
48·6	48·2	48·1	48·0	47·6	47·2	47·2	47·2	47·3	47·0	46·8	46·0	47·52
51·5	51·5	51·5	51·0	50·6	50·2	49·6	49·4	48·8	48·2	47·4	47·4	49·04
50·6	50·6	51·2	51·2	51·3	51·1	50·8	50·6	50·5	50·5	50·5	50·0	49·72
50·0	49·8	49·3	48·5	48·0	47·4	—	—	—	—	—	—	47·92
—	—	—	—	—	—	45·0[b]	44·8	44·4	44·0	44·0	44·0	
52·0	51·6	50·8	50·1	49·8	49·5	49·2	49·2	49·2	49·2	49·2	49·0	49·13
50·8	51·0	51·0	51·2	51·4	51·4	51·4	51·7	52·0	52·0	51·5	51·0	50·41
52·0	51·8	51·8	51·2	50·6	50·5	50·2	49·5	49·0	49·0	48·4	48·4	50·78
48·6	48·2	47·8	47·2	46·9	46·2	45·6	45·2	45·4	45·2	44·5	44·0	46·58
45 8	46·0	46·6	46·8	46·8	47·3	48·0	48·0	48·2	48·2	48·7	48·5	46·10
48·0	47·6	47·5	47·3	46·6	46·0	—	—	—	—	—	—	46·03
—	—	—	—	—	—	42·8	41·8	41·0	40·5	40·3	40·0	
37·0	37·0	36·8	36·8	36·0	35·8	35·8	35·6	36·0	36·2	36·4	36·4	38·14
41·0	40·8	41·2	41·4	41·4	41·2	41·8	41·8	41·7	41·9	42·1	42·5	39·97
43·6	44·2	44·1	44·6	44·8	44·6	44·4	44·2	44·0	44·0	44·0	44·0	43·91
46·2	45·0	44·3	43·6	43·0	42·6	42·5	42·5	42·5	42·5	43·4	43·0	44·57
47·2	47·4	47·5	46·2	44·8	44·4	44·0	43·5	42·1	41·2	41·1	41·0	44·16
45·7	45·8	45·4	45·0	44·5	44·0	—	—	—	—	—	—	44·34
—	—	—	—	—	—	43·8	44·2	45·0	45·2	45·8	45·5	
53·0	52·4	52·2	51·3	50·5	49·8	49·5	49·0	48·6	48·2	47·9	48·0	49·27
52·2	51·6	51·6	51·1	50·4	50·4	50·1	50·0	50·2	50·5	50·5	49·5	50·31
45·4	45·5	45·5	45·5	45 5	45·5	45·5	45·7	46·0	46·2	46·6	46·6	46·32
49·5	49·5	49·8	49·8	50·0	49·6	49·0	48·0[b]	47·6	47·5	47·1	46·5	48·35
47·0	46·6	47·4	46·9	46·4	45·9	45·3	45·0	44·5	44·0	44·0	43·5	46·11
43·5	42·7	42·5	41·8	41·5	41 5	—	—	—	—	—	—	41·75
—	—	—	—	—	—	39·0	38·5	38·0	38·3	38·3	38·0	
47·68	47·48	47·40	47·05	46·72	46·44	45·76	45·48	45·35	45·26	45·22	44·98	46·29

[a] Five minutes late. [b] Ten minutes late. [c] Six minutes late. [d] Eight minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

Mean Gottingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.	12^{h}.	13^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
APRIL.	1	518·0	516·0	522·0	502·0	505·2	500·5	495·4	510·8	520·7	519·9	519·0[a]	511·4	506·3	514·5
	2	517·5	519 0	515·1	504·0	495·8	492·9	481·4	502·0	507·0	506·5	505·4	510·1	505·0	505·3
	3	511·0	508 0	508·0	498·9	481·9	479·0	484·6	494·0	506·7	514·5	510·9	500·5	493·3	491·8
	4	488·5	495·0	490·5	492·5	485·9	483·4	481·9	480·8	488·7	495 7	495·0	493·9	493·1	495·5
	5	[b] —	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	509·0	506·5	506·0	502·8	499·5	495·5	493·0	495·4	498·3	510·7	505·8	514·9	511·0	507·5
	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	512·0	511·6	506·9	502·0	498·0	497·0	499·0	503 5	501·8	505·0	503·2	505·0	503·0	502·1
	9	509·5	510·0	505·1	497·0	492·0	491·5	492·0	497·2	499·9	502·4	503·2	502·1	501·0	501·0
	10	508·0	505·0	505·4	496·0	493·0	493·5	494·2	493·2	494·9	498·9	500·1	502·4	505·0	484·8
	11	502·5	500·5	495·0	492·5	495·3	495·4	498·1	500·0	501·2	503·1	502·4	499·7	498·0	495·4
	12	505·0	505·0	498·5	491·5	490·0	489·0	492·0	497·6	501·0	501·0	498·2	497·4	495·8	496·0
	13	502·0	502·5	498·4	491·5	485·0	482·0[a]	482·0	483·8	488·5	491·9	494·6	493·8	492·0	491·8
	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	496·0	487·3	491·0	492·0	488·3	486·3	484·5	485·1	488·9	489·2	489·9	493·8	488·0	488·0
	16	497·0	497·5	491·9	482·8	477·0	481·0	489·0	495·0	500·2	500·9	498·0	498·4	500·0	498·1
	17	378·8	367·3	420·5	430·5	448·5	468·2	487·0	517·4	524·8	522·0	519·5	516·3	501·9	508·0
	18	518·0	516·5	510·6	501·0	498·0	492·0	492·0	503·4	507·5	508·0	494·5	511·8	491 2	490·0
	19	506·5	507·5	504·8	497·5	490·5	488·6	483·3	491·2	498·0	501·0	503·4	501·4	502·5	499·7
	20	501·8	506·5	502·9	500·8	490·3	486·5	485·3	488·1	490·8	497·6	499·7	500·6	501·0	499·2
	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	505·0	504·8	501·1	496·0	493·0	495·0	496·3	496·6	504·0	506·0	508·6	511·2	508·6	507·4
	23	509·0	509·0	500·6	500·0	497·4	501·1	501·2	499·3	502·9	501·9	507·5	511·3	506·5	504·2
	24	509·0	509·8	506·0	502·4	496·6	497·0	497·8	497·7	502·5	497·8	500·0	503·0	502·6	497·1
	25	506·1	501·6	488·3	493·1	507·3	494·7	487·4	478·9	479·5	492·4	499·5	517·4	499·9	485·8
	26	463·0	500·7	491·5	487·3	474·8	473·5	481·3	488·8	495·5	497·6	496·8	499·9	507·9	508·0
	27	494·8	501·9	500·9	492·4	501·0	501·0	492·6	495·3	499·5	518·3	499·3	513·8	510·4	500·0
	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	511·0	507·5	497·5	499·0	493·5	500·8	511·0	515·3	510·6	511·7	503·4	516·7	489 4	494·6
	30	496·0	503·5	502·0	495·5	495·5	494·8	495·9	494·4	501·8	496·5	497·7	495·3	508·7	509·0
Hourly Means		499·00	500·02	498·90	493·64	590·93	490·41	491·13	496·19	500·61	503·62	502·22	504·94	500·88	499 3

TEMPERATURE OF THE BIFILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°	°	°
APRIL.	1	38·5	39·0	41·4	42·7	43·8	44·5	45·0	45·5	46·0	46·4	47·0[a]	47·6	47·6	46·8
	2	45·0	45·0	46·0	48·0	49·5	50·2	50·4	50·6	50·8	51·0	51·6	51·6	51·3	50·8
	3	49·6	49·6	50·3	51·5	52·3	53·0	53·5	54·2	55·0	56·7	57·8	59·0	59·8	60·0
	4	56·5	56·0	56·5	57·0	57·5	57·8	58·0	58·2	58·5	58·8	59·0	58·3	57·8	57·2
	5	[b] —	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	49·4	49·0	49·0	48·5	48·5	48·5	48·5	48·3	48·3	48·6	48 8	48·8	49·0	48·0
	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	49·5	50·0	50·4	50·6	51·0	51·5	52·5	52·8	53·5	55·3	56·9	57·4	58·3	58·0
	9	53·6	54·0	55·0	56·5	57·0[a]	57·5	58·3	58·7	59·2	60·3	61·2	62·0	62·4	62·4
	10	54·5	54·5	56·0	57·4	58·0	58·8	59·5	60·0	60·6	61·8	63·0	63·6	63·4	62·0
	11	56 2	56·4	56·5	56·5	57·4	57·8	58·0	58·4	58·7	59·4	60·0	60·5	60·7	60·5
	12	56·5	57·0	58·2	59·5	60·5	61·5	62·3	62·5	63·0	63·5	63·8	63·8	63·5	63
	13	58·0	58·6	59·7	61·5	62·5	63·5[a]	64·0	64·4	65·5	66·5	67·4	67·7	67·7	66·
	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	62·0	61·5	61·5	61·7	62·0	62·6	63·0	63·0	63·0	62·9	62·9	62·5	·2·5	62·
	16	59·0	58·4	58·0	58·0	58·0	58·5	59·0	59·5	59·8	60·1	60·5	60·4	60·4	60·
	17	56·0	55·0	55·5	55·0	54·8	55·4	56·0	56·3	56·8	57·7	58·5	58·8	58·8	57·
	18	49·5	50·5	52·0	53·5	54·5	55·0	55·5	55·3	55·6	56·4	56·9	57·0	57·0	56·
	19	50·2	51·2	52·5	54·0	54·5	55·5	56·0	56 6	57·8	58·7	58·6	58·8	58·5	58·
	20	53·0	54 0	55·0	56·5	57·5	58·5	59·0	59·6	60·0	60·6	60·5	60·4	60·4	59·
	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	56·0	56·0	55·7	55·7	56·0	56·2	56·2	56·4	56·4	56·8	57·0	57·2	57·2	56
	23	55·0	55·5	55·5	56·0	56·5	57·0	57·9	58·5	59·3	60·0	60·2	62·3	61·5	61
	24	58·0	58·5	58·5	59·0	60·0	61·5	62·5	63·2	64·0	64·6	65·0	65·2	65·0	65
	25	58·8	59·6	61·0	61·8	62·3	62·5	62·4	62·5	62·6	62·6	62·4	62·2	61·8	61
	26	58·5	58·5	58·3	58·0	58·0	57·5	57·5	57·4	57·5	57·5	57·4	56·8	56·4	56
	27	52·6	52·5	52·5	53·5	54·5	55·2	55·4	55·3	55·5	56·0	56·4	56·3	53·5	56
	28	—	—	—	—	—	—	—	—	—	—	—	—	—	-
	29	51·9	53·0	54·5	55·5	56·5	57·2	57·5	57·8	58·4	59·4	60·4	60·9	61·2	00
	30	54·0	55·0	55·5	56·8	57·8	58·3	58·6	59·0	59·5	59·9	60·0	60·1	59·9	59
Hourly Means		53·67	53·93	54·60	55·39	56·04	56·62	57·06	57·36	57·81	58·46	58·93	59·19	59·14	58

[a] Five minutes late. [b] Good Friday.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00027.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
506·3	514·5	509·3	503·2	520·5	509·3	505·4	502·7	505·0	503·8	498·8	522·0	510·07
505·0	505·3	507·8	505·9	502·6	503·0	500·5	508·1	499·0	478·6	476·0	508·5	502·40
493·3	491·8	493·2	498·3	494·1	480·3	489·0	488·0	494·7	493·4	494·3	494·0	495·95
493·1	495·5	494·0	492 6	491·9	491·5[b]	—	—	—	—	—	—	493·41
—	—	—	—	—	—	484·6	503·4	504·0	501·5	505·4	506·5	
511·0	507·5	498·7	498·6	517·9	500·5	—	—	—	—	—	—	504·48
—	—	—	—	—	—	506·0	507·8	505·1	501·8	506·3	509·0	
503·0	502·1	499·8	501·1	500·0	498·0	499·5	503·7	504·0	505·5	506·8	509·0	503·23
501·0	501·0	500·0	498·8	499·8	503·2	503·1	502·8	502·8	505·1	504·7	507·0	501·30
505·0	484·8	493·2	495·0	491·5	492·8	495·8	496·9	497·2	492·8	499·5	500·0	497·05
498·0	495·4	497·6	490·6	497·0	498·5	500·0	498·0	498·8	500·8	505·2	506·0	499·19
495·8	496·0	496·0	494·5	495·8	495·7	497·2	496·9	498·0[c]	501·5	501·0	502·0	497·36
492·0	491·8	491·9	490·0	490·0	489·5	—	—	—	—	—	—	490·81
—	—	—	—	—	—	489·2	492·0	485·2	488·0	488·8	495·0	
488·0	488·0	484·7	484·1	487·0	491·5	489·0	490·0	491·1	496·0	495·8	496·0	489·73
500·0	498·1	483·6	477·5	488·7	488·6	473·2	467·4	438·9	431·5	495·8	480·5	484·69
501·9	508·9	487·3	488·0	492·8	491·0	493·[illegible]	493·9	496·5	503·0	513·3	517·0	483·09
491 2	496·0	496·2	498·5	496·8	497·7	498·1	501·2	500·0	504·3	504·0	503·3	501·73
502·5	493·7	498·2	501·0	500·1	500·0	501·0	504·2	502·3	502·0	501·0	501·0	499·48
501·0	499·2	499·8	500·0	500·0	500·1	—	—	—	—	—	—	499·09
—	—	—	—	—	—	504·8	502·[illegible]	503·4	505·7	503·0	506·0	
508·6	507·4	505·6	503·8	504·6	507·1	507·[illegible]	506·0	507·3	506·0	507·6	508·0	504·03
506·5	504·5	502·0	502·0	495·4	501·0	495·9	500·7	501·1	504·9	507·0	505·0	502·93
502·6	497·1	495·5	496·0	497·0	494·1	492·9	499·7	500·7	505·0	503·8	505·4	500·39
499·9	485·8	492·3	495·6	492·8	490·3	49[illegible]·1	493·1	490·8	495·1	499·4	493·0	494·43
507·9	508·0	492·4	492·2	501·5	500·5	501·3	491·8	506·7	489·5	501·9	489·3	493·07
510·4	500·0	504·5	494·0	500·0	493·7	—	—	—	—	—	—	502·08
—	—	—	—	—	—	509·3	506·6	503·7	502·0	504·9	510·0	
489·4	494·6	499·4	500·0	506·9	504·5	499·2	502·6	501·6	502·9	504·8	507·0	503·79
508·7	509·6	492·2	498·8	493·4	502·8	499·9	500·2	504·6	497·5	501·4	498·0	499·01
500·88	499 30	496·61	496·36	498·32	497·04	497·23	498·40	497·70	496·73	501·34	503·14	498·11

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
47·6	46·8	46·5	45·9	45·5	45·0	44·8	44·8	45·0	45·2	45·2	45·0	44·78
51·3	50·8	50·3	50·0	50·0	49·8	50·0	50·0	49·6	49·8	50·0	49·6	49·62
59·8	60·0	59·6	58·8	57·7	57·2	56·9	56·6	56·7	56·8	56·7	56·6	55·66
57·8	57·2	56·8	56·3	56·2	55·8[a]	—	—	—	—	—	—	55·52
—	—	—	—	—	—	50·6	50·2	50·0	50·0	49·8	49·5	
49·0	48·6	48·8	48·6	[illegible]·4	48·2	—	—	—	—	—	—	48·94
—	—	—	—	—	—	50·5	50·2	49·8	49·5	49·2	49·5	
58·3	58·0	57·7	57·3	57·0	56·8	56·5	56·2	56·0	55·6	55·4	54·5	54·61
62·4	62·4	61·0	60·0	59·4	58·5	58·0	57·1	56·3	55·9	55·3	55·0	58·11
63·4	62·6	62·0	61·3	60·7	60·0	59·5	59·0	58·5	58·0	57·5	56·7	59·45
60·7	60·5	60·0	59·6	59·5	59·0	58·7	58·6	58·4	58·0	57·6	56·8	58·47
63·5	63 0	62·6	62·[illegible]	61·8	61·2	60·6	59·7	59·4[d]	59·0	58·8	58·6	60·95
67·7	66·6	66·0	65·[illegible]	64·5	64·0	—	—	—	—	—	—	63·75
—	—	—	—	—	—	63·2	63·2	63·0	62·8	62·5	62·0	
62·5	62·0	62·0	61·2	61·0	60·4	60·0	59·5	59·3	59·0	59·0	59·0	61·40
60·4	60·0	59·8	59·4	59·0	58·7	58·4	57·7	57·4	57·0	56·8	56·4	58·76
58·8	57·8	56·9	56·0	55·3	54·2	53·4	52·6	52·2	51·6	51·0	50·0	55·23
57·0	56·6	56·0	55·4	54·3	53·2	53·0	52·2	51·7	51·3	51·0	50·5	53·91
58·5	58·0	57·2	56·5	56·4	55·8	55·3	55·0	54·5	54·2	53·8	53·5	55·55
60·4	59·6	59·0	58·5	58·0	57·5	—	—	—	—	—	—	57·68
—	—	—	—	—	—	56·2	56·3	56·2	56·0	56·0	56·0	
57·2	56·6	56·3	56·2	56·0	56·0	55·8	55·4	55·4	55·4	55·3	55·2	56·10
61·5	61·0	60·5	60·5	60·0	59·5	59·2	59·0	58·6	58·5	58·5	58·0	58·70
65·0	65·0	64·5	63·5	62·7	62·1	61·4	61·2	61·0	60·0	59·9	59·6	61·91
61·8	61·2	61·0	61·0	60·3	60·0	59·5	59·4	59·0	59·0	58·8	58·8	60·85
56·4	56·0	55·8	55·5	55·4	55·1	55·1	54·9	54·9	54·8	54·0	53·4	56·42
55·5	56·5	56·0	55·6	54·7	54·0	—	—	—	—	—	—	54·38
—	—	—	—	—	—	53·5	53·0	52·8	52·5	52·1	52·0	
61·2	60·6	60·3	59·8	59·0	58·5	58·0	57·5	56·6	55·7	55·2	54·5	57·50
59·9	59·9	59·2	59·0	58·4	58·4	58·4	57·7	57·5	57·3	57·3	57·3	58·12
59·14	58·69	58·23	57·74	57·25	56·76	56·26	55·68	55·59	55·32	55·07	54·72	56·65

[a] Two minutes late.

[d] Ten minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00027.

Mean Göttingen Time.		0^h.	1^h.	2^h.	3^h.	4^h.	5^h.	6^h.	7^h.	8^h.	9^h.	10^h.	11^h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
MAY.	1	497·0	497·0	492·5	493·3	486·0	481·8	486·3	484·0	493·2	502·6	497·1	492·1
	2	491·0	498·5	496·4	490·0	490·0	487·3	489·0	499·4	503·2	507·0	495·0	493·9
	3	497·3	496·3	492·5	481·5	466·3	476·5	488·0	493·7	493·0	500·2	493·6	497·3
	4	497·8	496·3	493·0	486·8	486·0	490·0	492·0	494·7	496·2	501·3	500·7	501·4
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	509·0	504·0	505·4	503·3	497·5	490·5	491·0	498·8	510·2	507·3	510·9	515·0
	7	509·3	508·3	504·4	496·0	487·0	492·8	497·8	500·0	505·6	505·0	511·1	508·5
	8	504·0	500·5	496·0	490·0	493·0[a]	495·6	497·5	509·2	503·5	503·9	505·0	505·3
	9	498·3	496·8	488·1	487·0	489·3	489·0[b]	491·8	494·6	500·4	503·4	500·3	504·2
	10	506·0	508·3	508·0	500·5	497·6	494·0	506·0	512·1	510·0	506·6	512·9	505·3
	11	507·0	506·0	502·0	501·0	502·5	507·0	509·5	509·8	508·9	506·5	506·9	503·6
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	512·0	511·0	505·0	501·0	498·0	499·4	543·5	506·6	512·5	517·2	516·1	513·6
	14	520·0	515·0	519·4	506·5	499·9	498·0	501·5	504·1	509·4	510·8	509·0	505·4
	15	515·0	514·0	509·0	499·0	496·9	488·0	489·5	496·0	500·0	508·0	508·4	505·0
	16	502·0	503·5	499·8	490·3	485·5	488·9	499·4	500·0	502·7	504·0	507·5	500·7
	17	509·0	506 0	501·6	497·3	493·5	487·0	489·3	495·8	502·8	508·2[c]	509·2	508·8
	18	510·0	507·8	501·5	502·0	501·0	502·8	509·5	508·3	505·5	514·0	515·4	516·0
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	516·0	514·0	510·8	510·9	513·0	513·0	517·3	520·4	523·0	519·2	519·0	514·6
	21	517·0	514·0	515·0	506·8	503·5	501·0	511·0	516·5	522·0	515·0	517·3	545·9
	22	516·0	516·0	521·5	321·3	513·5	512·8	511·5	509·1	518·0	508·7	499·2	517·8
	23	499·8	501·8	503·9	493·0	481·0	493·8	489·0	497·0	498·9	504·9	504·7	508·0
	24	500·0	496·0	489·9	491·0	489·0	491·0	501·0	502·0	506·1	510·7	502·0	499·0
	25	495·2	492 6	488·3	488·3	493·0	490·7	488·0	495·4	500·6	487·7	500·4	496·6
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	492·0	490·0	484·2	478·4	477·0	484·0	489·4	496·7	—	—	501·4[c]	489·4
	28	495·0	496·0	492·4	488·0	486·0	494 0	487 0	493·4	495·6	502·8	498·1	500·7
	29	500·8	498·6	493·5	490·0	482·0	483·6	489·0	497·0	503·8	509·4	507·8	498·6
	30	499·6	499·0	498·2	495·0	490·0	496·0	502·6	503·5	506·0	506·0	506·0	504·0
	31	512·1	506·7	499·3	494·1	495·2	496·2	497·4	498·4	499·1	500·9	502·0	506·4
Hourly Means		504·75	503·52	500·36	495·64	492·34	493·51	497·21	501·35	505·01	506·59	506·04	505·83

TEMPERATURE OF THE BIFILAR MAGNET.

MAY.	1	57·3	58·0	58·5	60·0	61·2	62·0	62·5	62·6	63·0	63·0	63·2	63·5
	2	60·7	61·4	61·5	63·0	64·5	63·5	64·0	64·4	66·8	66·0	67·2	66·4
	3	61·4	62·0	62·2	62·4	62·7	63·2	64·0	64·3	64·7	64·7	65·2	65·2
	4	59·5	59·2	59·2	59·2	59·2	59·5	59·7	59·8	59·8	60·2	60·1	59·8
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	56·5	56·5	56·2	56·0	55·8	56·4	57·0	57·5	58·3	58·9	59·1	59·0
	7	56·6	58·0	59·0	60·0	60·0	60·0	60·0	60·0	60·6	62·0	62·8	63·2
	8	59·0	59·0	59·0	59·0	59·5[a]	60·0	60·5	61·0	61·8	62·5	63·2	63·6
	9	58·0	59·0	60·0	60·5	61·0	61·0[b]	61·0	61·3	62·0	62·6	63·3	63·8
	10	56·6	57·5	58·0	58·5	58·9	59·0	59·0	59·0	59·0	58·7	58·7	58·2
	11	56·0	56·0	56·4	57·0	58·0	59·0	60·0	60·6	61·6	62·8	63·7	63·8
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	53·5	53 5	54·0	54·5	53·8	52·5	51·8	52·5	53·0	53·2	53·2	53·4
	14	52·4	52·6	53·3	54·0	55·0	56·0	56·7	57·2	58·6	60·0	61·2	61·2
	15	56·0	57·0	58·0	58·5	59·0	60·5	61·5	62·3	62·9	63·5	63·0	63·0
	16	58·5	58·5	58·7	59·5	60·0	61·0	61·4	62·6	63·5	63·7	63·7	63·5
	17	56·7	56·7	56·7	57·5	58·5	58·9	60·4	60·6	61·4	61·6[c]	61·6	61·6
	18	58 0	57·5	57·7	58·8	59·5	60·1	60·0	59·8	60·1	61·2	61·8	62·5
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	56·0	56·0	56·0	56·5	57·5	58·2	59·0	59·6	60·5	61·4	61·8	61·4
	21	53·5	53·3	53·0	53·5	54·0	54·5	55·0	55·5	55·5	55·5	56·0	56·8
	22	52·0	53·5	54·5	56·0	56·8	57·3	57·5	58·0	58·5	59·0	59·4	59·6
	23	55·5	55·5	58·2	59·0	60·0	61·6	62·4	63·0	63·2	64·0	64·5	64·8
	24	60·5	61·5	62·8	64·5	64·5	65·5	64·5	64·2	64·8	63·6	64·6	65·3
	25	64·5	64·8	65·0	65·0	66·0	67·2	68·5	70·2	70·7	71·4	71·9	72·3
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	66·0	66·5	66·3	66·3	66·5	66·8	67·3	67·9	—	—	69·4[c]	69·4
	28	65·5	65·5	65·4	65·5	65·8	66·4	67·2	67·8	68·2	69·0	69·6	69·8
	29	62·7	62·8	63·0	63·6	64·0	64 8	65·3	65·9	66·2	67·0	67·5	68·0
	30	62·0	62·0	61·5	61·3	61·3	61·5	62·0	62·4	63·0	63·4	63·5	63·5
	31	62·0	62·2	62·4	62·2	62·2	62·0	62·2	62·6	63·2	63·5	64·0	61·8
Hourly Means		58·40	58·74	59·13	59·70	60·19	60·68	61·13	61·58	61·88	62·40	63·08	63·25

[a] Three minutes late. [b] Fifteen minutes late. [c] Seven minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00027.

12^h.	13^h.	14^h.	15^h.	16^h.	17^h.	18^h.	19^h.	20^h.	21^h.	22^h.	23^h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
489·1	485·5	493·1	498·6	500·0	491·8	487·5	499·1	494·3	499·0	498·0	487·8	492·78
488·6	485·5	491·1	487·0	490·0	491·5	485·6	477·7	490·5	494·2	493·4	499·0	492·28
490·2	490·0	490·0	490·4	489·8	488·8	491·0	490·0	495·0	495·7	495·8	498·0	491·13
502·8	500·3	502·5	500·0	—	—	—	—	—	—	—	—	498·41
—	—	—	—	—	—	501·5	503·2	505·0	501·5	505·0	507·0	
501·8	501·0	499·0	500·4	502·0	503·8	504·7	508·3	504·1	505·9	507·3	508·5	503·74
500·6	498·1	497·5	498·9	518·2	502·1	494·3	484·1	501·7	494·8	504·3	498·0	500·77
498·0	496·3	489·5	481·5	478·9	490·8	494·3	489·4	490·7	491·9	492·0	497·0	495·58
496·5	488·5	494·4	492·8	495·2	496·8	496·8	496·9	499·4	502·2	501·8	502·0	496·10
501·2	504·6[e]	506·0	506·6	506·5	499·9	505·5	505·5	505·0	506·5	507·4	508·0	505·42
496·9	500·9	503·5	503·5	500·9	500·4	—	—	—	—	—	—	505·03
—	—	—	—	—	—	505·9	505·0	507·5	505·4	510·0	510·0	
512·9	513·7	515·0	517·0	517·0	519·9	512·0	513·0	518·2	521·6	528·3	524·0	512·85
504·5	513·8	501·2	482·3	482·3	503·4	505·8	500·1	510·5	513·3	513·0	514·0	505·97
495·9	489·6	494·0	495·5	497·0	499·8	500·5	502·2	502·1	505·0	501·6	504·0	500·67
501·5	499·3	498·8	499·9[d]	498·4	500·1	497·9	497·9	501·3	504·5	506·0	506·0	499·83
511·5	501·0	499·7	501·7	504·0	503·5	504·7	504·0	508·2	506·4	509·0	510·0	503·01
509·1	505·5	504·0	503·1	503·8	503·2	—	—	—	—	—	—	507·71
—	—	—	—	—	—	507·6	506·9	509·3	511·0	512·7	515·0	
513·5	512·5	514·0	5	513·5	514·5	513·0	514·0	514·8	516·6	517·6	517·2	515·24
520·3	507·0	510·3	51 4	508·1	509·7	510·9	510·0	512·7	515·0	515·9	521·0	513·97
524·7	494·6	478·0	495·4	497·9	494·6	488·0	488·5	490·2	495·3	499·5	492·5	504 36
495·4	495·9	494·4	499·9	500·5	501·0	498·3	502·2	501·2	499·8	493·9	499·5	498·24
498 0	494·4	496·9	490·0	495·0	493·2	495·3	496·0	491·6	496·2	496·4	496·0	496·53
498·2	489·9	488·6	489·9	493·8	488·5	—	—	—	—	—	—	491·93
—	—	—	—	—	—	482·2	491·3	491·0	491·2	492·0	492·0	
490·0	495·0	490·0	487·1	488·7	481·0	489·9	490·0[c]	490·6	493·0	492·0	493·5	489·24
499·0	493·8	494·5	495·8	495·3	493·0	494·0	490·6	494·8	493·5	496·5	497·8	494·48
501·0	500·0	500·0	495·3	500·3	498·0	494·4	494·9	486·7	485·3	490·8	499·0	495·83
503·5	504·0	502·8	503·4	502·3	501·7	502·0	504·0	504·8	504·5	505·5	497·8	501·76
504·6	499·9	510·3	510·0	510·3	507·3	515·9	510·3	504·7	503·9	506·9	508·2	504·17
501·83	498·54	498·49	498·17	499·60	499·17	499·24	499·08	500·96	[b]501·97	503·43	503·81	500·67

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
63·7	63·0	62·6	62·4	62·3	62·2	62·0	61·5	61·5	61·5	61·2	61·0	61·65
66·2	65·8	65·3	65·0	64·5	64·0	63·5	63·0	63·0	62·8	62·5	61·8	63·95
65·2	64·6	64·0	63·5	63·2	62·8	62·4	62·0	61·5	60·9	60·2	60·0	63·02
59·4	59·0	58·8	58·5	—	—	—	—	—	—	—	—	59·06
—	—	—	—	—	—	59·0	58·6	58·4	58·0	57·6	56·9	
58·6	58·4	58·2	58·0	57·6	57·4	57·5	57·2	57·0	56·9	56·9	56·6	57·40
63·6	63·5	62·9	62·2	61·6	61·1	60·6	60·0	59·8	59·5	59·2	59·0	60·63
64·0	63·6	62·6	62·0	61·7	61·0	60·7	60·3	59·7	59·2	58·8	58·6	60·85
64·0	63·8	62·8	62·0	61·2	60·6	59·6	59·0	58·2	58·0	57·5	56·6	60·70
57·6	57·0[a]	56·7	56·5	56·2	56·0	55·8	55·7	55·7	55·7	55·7	56·0	57·32
63·7	63·9	63·7	63·5	63·5	63·1	—	—	—	—	—	—	59·49
—	—	—	—	—	—	56·7	56·2	55·5	54·9	54·3	53·8	
53·0	53·6	52·5	51·8	51·5	51·3	51·1	51·2	51·2	51·5	51·8	52·0	52·56
61·2	60·5	59·8	59·4	59·4	59·0	58·5	57·8	57·4	57·0	56·6	55·7	57·52
63·0	63·0	62·7	62·2	61·6	61·0	60·6	60·2	60·2	60·0	59·5	59·0	60 76
63·4	62·8	61·8	61·0[d]	60·1	59·5	58·9	58·5	58·1	57·8	57·5	57·0	60·46
61·2	60·8	60·3	60·2	60·0	59·7	59·4	59·0	59·0	59·0	58·6	58·3	59·49
62·5	62·5	62·2	61·3	60·5	60·0	—	—	—	—	—	—	59·47
—	—	—	—	—	—	57·2	57·2	57·0	56·8	56·5	56·5	
60·7	60·0	59·3	58·9	58·0	57·5	57·2	56·2	55·4	54·9	55·5	54·5	58·00
56·8	56·8	57·6	56·2	55·3	55·0	54·6	54·0	53·2	52·5	52·3	52·0	54·68
59·6	59 2	59·2	58·8	58·5	57·9	57·7	57·2	57·0	56·6	56·0	55·5	57·30
64·7	64·4	64·2	64·0	63·4	63·0	62·6	62·0	61·6	61·4	61·0	60·4	61·85
66·2	65·4	66·0	66·1	66·0	65·8	65·5	65·6	65·5	65·4	65·2	65·0	64·76
72 0	71·8	71·2	70·6	70·2	69·8	—	—	—	—	—	—	68·63
—	—	—	—	—	—	68·2	67·9	67·4	67·0	67·0	66·5	
69·4	69·0	68·8	68·6	68·2	67·6	67·4	67·0[f]	66·8	66·4	66·0	65·5	67·41
69·8	69·4	68·6	68·0	67·0	66·4	65·8	65·5	65·0	64·4	63·8	63·0	66·77
68·0	67·6	66·8	66·1	65·5	65·0	64·5	63·6	62·8	62·6	62·5	62·0	64·91
63·5	63·5	64·5	63·2	63·2	63·0	63·0	63·0	62·6	62·6	62·6	62·3	62·64
64·7	64·4	64·0	63·5	63·0	62·5	62·0	61·3	60·0	60·6	60·0	59·5	62 49
63·17	62·86	62·45	61·98	61·66	61·24	60·44	60·03	59·69	59·40	59·12	58·70	60·85

[a] Eleven minutes late. [b] Two minutes late. [c] Twenty minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00027.

Mean Gottingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
JUNE.	1	Sc. Div. 508·8	Sc. Div. 508·8	Sc. Div. 504·9	Sc. Div. 499·4	Sc. Div. 500·7	Sc. Div. 503·2	Sc. Div. 505·3	Sc. Div. 508·5	Sc. Div. 517·5	Sc. Div. 519·3	Sc. Div. 525·3	Sc. Div. 514·0
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	511·7	514·1	513·9	505·3	500·2	502·0	500·2	504·0	505·6	508·6	512·2	510·0
	4	513·6	513·3	512·8	512·8	501·5	504·4	504·1	505·0	507·2	510·9	507·5	511·0
	5	509·0	510·0	508·3	507·8	508·3	508·3	510·9	515·3[b]	509·0	513·9	513·7	515·1
	6	510·5	508·7	503·2	498·6	497·5	500·0	503·7	504·0	500·9	499·7	500·9	502·5
	7	504·6	503·0	499·0	499·3	503·9	504·0	506·0	510·0	513·7	512·0	506·8	504·0
	8	508·0	509·1	511·5	511·1	509·0	511·8	513·0	518·9	523·5	522·4	514·2	519·4
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	512·1	514·9	508·9	507·1	510·7	513·7[c]	514·6	518·0	526·0	522·3	530·2	518·1
	11	518·2	516·1	515·7	514·1	516·0	512·2[d]	513·5	519·0	523·6	519·9	513·0[a]	512·0
	12	518·0	516·0	511·8	513·0	515·4	517·3	515·6	513·9	517·0	517·7	512·8	509·9
	13	512·9	517·4	515·9	512·6	508·5	502·1	503·1	506·4	509·0	514·0	518·3	513·7
	14	514·7	513·7	512·3	506·3	499·0	500·9	502·8	508·0	516·4	519·0	519·1	512·0
	15	508·5	504·8	502·9	504·3	503·2	508·5	510·8	510·0	506·0	512·8	507·9	507·0
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	508·0	500·4	498·7	494·9	485·1	490·5	496·5	492·7	506·2	502·8	500·1	516·0
	18	503·6	501·2	496·3	497·9	495·4	486·9	487·6	493·3	499·8	500·1	505·8	493·2
	19	494·5	487·8	487·0	482·5	478·3	477·8	479·3	488·0	496·2	497·8	496·9	500·1
	20	499·6	498·0	497·5	491·0	485·6	489·5	493·4	499·9	515·7	510·7	510·0	515·9
	21	503·5	500·6	502·5	506·3	500·9	502·5	502·7	505·3	519·1[e]	507·1	525·0	522·5
	22	503·9	503·8	504·7	499·9	495·7	497·1	503·5	508·0	508·9	513·0	513·6	511·4
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	512·6	508·0	503·7	499·5	500·9	501·5	504·6	507·0	507·3	511·8	511·0	507·6
	25	510·0	509·0	506·5	504·0	498·3	499·1	503·5	507·0	508·8	508·7	506·9	504·8
	26	501·5	501·2	495·9	491·4	495·1	495·5	498·6	499·2	499·3	499·8	499·6	504·5
	27	506·3	506·2	503·4	500·4	497·0	494·6	500·8	508·2	509·5	517·5	514·8	513·0
	28	516·5	511·8	507·6	506·2	509·9	511·4	514·7	517·1	514·1	517·9	516·2	518·8
	29	503·0	519·0	509·6	499·0	502·8	515·5	516·5	519·3	519·8	509·4	513·9	513·7
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		508·54	507·88	505·38	502·59	500·76	502·01	504·21	507·44	511·20	511·56	511·83	510·81

TEMPERATURE OF THE BIFILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
JUNE.	1	59·4	59·6	59·8	59·8	60·5	61·5	62·0	62·4	63·4	64·5	65·0	65·5
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	57·6	57·8	58·4	59·5	60·0	60·7	61·0	60·7	61·5	62·8	63·0	65·5
	4	58·0	58·0	58·5	58·5	61·0	62·0	62·5	62·5	63·2	64·0	64·5	65·0
	5	59·7	59·5	59·8	60·0	60·3	60·7	61·5	62·4[b]	63·5	64·5	64·8	65·4
	6	62·3	62·8	63·8	64·7	66·0	67·0	67·5	67·6	68·5	69·0	68·8	68·4
	7	63·0	62·6	62·4	62·4	63·0	63·5	64·0	64·5	65·4	66·0	67·2	67·5
	8	58·8	59·0	58·0	59·0	59·8	59·8	60·2	60·6	61·0	61·4	62·0	62·4
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	57·8	58·4	58·8	59·4	59·5	59·5[c]	59·5	59·4	59·5	60·4	60·5	60·8
	11	55·6	56·4	57·5	58·0	58·8	59·0[d]	59·5	59·5	60·2	61·0	61·8[d]	62·5
	12	57·0	58·0	59·0	60·0	60·8	61·8	62·5	62·9	63·8	64·4	64·8	65·0
	13	58·8	59·2	59·8	60·4	61·5	62·5	63·5	63·8	64·8	65·5	66·4	66·5
	14	61·0	61·5	62·5	63·2	64·4	65·2	65·8	66·0	67·0	67·6	68·4	69·0
	15	63·0	63·0	63·5	64·2	65·5	66·3	67·0	67·8	68·2	68·8	69·0	69·4
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	65·5	65·5	65·5	65·5	65·7	66·2	67·0	67·5	68·0	68·3	68·5	68·7
	18	66·8	67·0	67·5	67·5	68·5	70·5	71·2	71·5	72·4	73·6	74·0	74·5
	19	70·0	70·5	71·0	72·0	73·0	72·5	72·5	72·4	72·6	72·8	73·5	74·0
	20	69·5	69·0	68·5	68·5	69·0	69·2	69·6	70·2	70·5	71·0	71·2	71·3
	21	64·8	64·8	65·0	65·4	65·5	66·0	66·8	67·3	68·0[a]	68·2	69·6	69·6
	22	63·0	63·0	62·8	63·0	63·5	64·0	65·0	65·5	66·0	67·0	68·3	68·4
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	65·3	65·5	66·6	66·5	67·5	68·0	68·5	69·0	69·6	70·4	70·4	70·6
	25	68·5	68·5	68·0	68·0	68·3	69·4	70·0	70·5	71·4	71·8	71·8	72·8
	26	69·5	69·2	69·0	68·8	69·0	69·4	69·6	70·2	70·0	70·0	70·0	70·0
	27	67·4	67·0	67·0	66·8	66·5	66·4	66·2	66·0	65·8	66·0	66·2	66·0
	28	65·0	65·0	65·0	65·0	65·4	65·8	66·4	67·0	67·4	67·8	68·4	68·4
	29	62·8	63·0	63·5	64·2	65·0	65·5	66·0	66·2	66·6	66·8	67·0	67·5
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		62·80	62·95	63·25	63·61	64·32	64·90	65·41	65·74	66·33	66·94	67·40	67·79

[a] Eighteen minutes late. [b] Ten minutes late. [c] Three minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·000234.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
518·8	524·0	504·0	493·9	496·9	499·2	—	—	—	—	—	—	
—	—	—	—	—	—	509·0	509·0	505·6	503·0	504·3	508·0	507·98
510·5	509·0	—	—	507·8	508·4	506·2	508·5	509·1	511·7	507·9	512·0	508·13
508·0	506·0	505·0	505·2	504·6	506·1	507·8	509·0	509·0	507·8	509·0	510·0	507·98
508·8	505·6	504·4	504·8	503·1	503·0	503·1	505·6	509·1	508·6	507·6	510·9	508·51
502·9	505·8	504·0	504·6	505·1	508·0	506·0	506·2	507·6	508·1	510·3	510·2	504·54
502·0	506·0	505·0	504·6	502·8	503·0	504·8	505·8	503·1	505·4	506·9	507·8	505·15
517·7	518·3	510·6	517·6	526·8	515·4	—	—	—	—	—	—	
—	—	—	—	—	—	511·9	512·0	515·8	518·0	515·0	506·9	514·91
510·4	514·9	512·0	503·8	509·8	512·5	515·0	514·2	513·0	507·2	512·6	515·8	514·08
507·0	509·2	515·5	513·5	510·0	508·0	507·7	511·1	510·4	507·9	513.9	518·0	513·56
507·8	508·6	508·6	509·8	505·8	501·2	496·8	506·0	503·5	501·5	500·0	510 8	509·95
512·0	511·2	502·9	503·5	507·3	507·0	505·0	505·9	506·0	507·2	508·8	513·5	509·34
505·5	505·3	502·3	500·7	503·2	501·0	505·0	505·3	505·4	507·7	505·6	509·0	507·51
504·6	504·1	506·0	503·6	504·6	505·3	—	—	—	—	—	—	
—	—	—	—	—	—	503·5	502·9	509·2	506·0	511·8	511·0	506·64
505·0	499·0	495·0	498·7	493·2	501·8	500·2	499·7	495·8	500·5	501·1	501·7	499·34
497·0	492·7	496·4	491·7	491·3	486·8	489·5	489·8	490·0	495·1	494·8	496·0	494·68
498 5	493·4	492·3	494·0	497·0	495·8	495·0	497·0	497·0	495·7	495·4	498·4	492 34
506·6	508·3	508·3	504·0	496·9	497·1	509·6	505·0	502·8	494·5	497·8	498·9	501·53
507·0	499·0	497·5	501·1	502·7	504·4	503·2	503·4	502·1	502·8	504·0	505·5	505·45
508·7	507·7	508·3	505·7	505·2	507·1	—	—	—	—	—	—	
—	—	—	—	—	—	509·9	511·3	508·3	508·0	506·6	510·2	506·69
510·8	503·8	506 1	505·8	507·1	506·1	506·3	502·9	506·5	500·5	499·9	502·8	505·59
500·9	500·2	504·0	499·2	502·7	499·9	508·5	500·0	497·0	498·5	495·5	497·8	502·95
502·0	500·9	500·8	501·8	500·9	500·0	499·0	499·2	501·8	501·2	503·3	506·7	499·97
509·0	506·7	510·0	511·1	513·4	10·3	511·2	513·2	512·2	512·8	513·7	500·3	508·15
518·2	514·5	515·3	508·5	507·2[a]	07·8[a]	507·5	519·0	515·2	517·5	505·1	505·0	512·63
512·0	507·8	509·0	505·9	504·5	509·8	—	—	—	—	—	—	
—	—	—	—	—	—	507·4	509·1	510·0	510·2	511·7	512·8	510·49
507·67	506·48	505·14	503·88	504·40	504·20	505·16	506·04	505·82	505·50	505·70	507·20	506·31

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
65·5	65·5	65·5	65·2	65·0	65·0	—	—	—	—	—	—	
—	—	—	—	—	—	60·0	59·8	59·0	58·6	58·6	58·0	62·05
63·5	63·0	—	—	61·5	60 7[a]	60 3	60·0	59·5	59·2	58·5	58·0	60·58
65·0	64·7	64·0	63·4	62·9	62·4	62·0	61·5	61·1	60·7	60·5	60·0	61·91
65·0	65·0	64·6	64·5	64·2	63·6	63·4	63·2	62·9	62·5	62·5	62·4	62·75
68·0	67·6	67·0	66·5	66·0	65·5	65·0	64·5	64·2	63·8	63·4	63·2	65·88
67·5	67·0	65·7	65·3	65·0	64·7	63·0	62·0	61·2	60·5	60·0	59·0	63·85
62·0	61·6	61·2	61·0	60·5	60·0	—	—	—	—	—	—	
—	—	—	—	—	—	60·0	59·5	59·0	58·4	57·8	57·6	60·02
61·0	60·5	60·0	59·0	58·6	58·0	57·6	57·3	57·0	56·6	56·3	56·0	58·81
63·0	62·7	62·2	61·8	61·2	60·6	60·0	59·0	58·5	57·9	57·2	56·6	59·60
65·0	64·7	64·3	63·7	63·0	62·5	62·2	61·4	60·5	60·0	59·5	59·2	61·92
66·7	66·6	66·3	65·5	65·0	64·5	64·0	63·5	63·0	62·4	61·6	60·7	63·44
69·5	69·4	68·5	68·2	67·6	67·2	66·5	65·7	65·0	64·5	64·1	63·5	65·89
69·6	69·4	68·8	68·2	67·5	67·0	—	—	—	—	—	—	
—	—	—	—	—	—	66·7	66·6	66·2	66·2	66·0	66·0	66·83
69·5	69·0	68·5	68·0	67·6	67·5	67·5	67·5	67·5	67·0	66·8	66·8	67·30
74·8	75·0	74·4	74·0	73·5	73·0	72·8	72·0	71·7	71·5	71·0	70 5	71·63
73·7	73·7	73·2	72 8	72·0	71·8	71·6	71·5	71·0	70·4	70·0	69·5	72·00
71·2	71·2	70 8	70·0	69·5	69·0	68·5	67·8	67·3	66·8	66·0	65·2	69·20
69·6	69·6	68·5	68·2	67·6	67·0	66·6	65·5	65·0	64·5	64·0	63·3	66·68
68·4	68·2	67·6	67·2	66·8	66·4	—	—	—	—	—	—	
—	—	—	—	—	—	67·0	66·8	66·4	66·0	65·6	65·0	65·87
70·6	70·4	70·2	70·0	69·6	69·5	69·1	69·0	68·9	68·5	68·5	68·5	68·78
73·6	74·4	73·8	73·0	72·3	72·0	71·7	71·4	71·0	70·5	70·3	69·8	70·95
69·8	69·5	69·3	69·0	69·0	68·6	68·4	68·3	68·1	68·0	67·6	68·0	69·10
66·0	66·0	66·0	66·0	66·0	66·0	66·0	66·0	65·8	65·6	65·5	65·3	66·15
68·4	68·4	67·8	67·0	66·5[a]	66·0[a]	65·8	65·0	64·5	64·0	63·5	63·0	66·10
67·8	68·0	67·8	67·8	67·0	66·6	—	—	—	—	—	—	
—	—	—	—	—	—	67·1	67 0	67·0	67·0	67·0	66·6	66·28
67·79	67·64	67·33	66·89	66·22	65·80	65·31	64·87	64·45	64·04	63·67	63·27	65·36

[a] Two minutes late. [a] Four minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·000234.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
JULY.	1	512·0	508·0	505·0	498·7	490·9	489·4	491·2	495·2	504·7	509·3	509·8	503·[illegible]
	2	506·3	507·8	499·3	498·0	490·3	492·6	489·1	491·2	495·4	496·4	503·6	505·[illegible]
	3	507·8	509·7	505·5	501·9	493·9	497·0	495·2	497·8	506·1	511·9	516·9	511·9
	4	517·2	518·6	513·6	506·0	508·1	504·5	509·9	518·7	522·5	517·5	520·3	519·2
	5	519·5	515·5	508·0	497·5	500·0	508·0	516·5	517·1	521·5	522·3	524·6	524·2
	6	515·9	516·1	510·7	502·6	497·6	501·7	508·2	511·0	518·9	519·5	521·3	515·0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	516·8	514·7	516·3	510·7	491·8	497·8	524·8	533·5	526·7	526·0	522·0	513·9
	9	504·6	511·2	508·3	499·3	497·3	498·5	505·1	512·5	521·1	514·3	509·0	501·0
	10	505·7	505·7	503·4	506·2	500·7	504·9	507·2	505·0	505·5	507·8	502·9	501·5
	11	505·0	512·8	511·5	505·5	499·3	500·1	502·4	500·9	504·7	512·9	513·8	508·6
	12	509·0	509·1	505·5	499·2	498·1	506·5	508·2	511·0	516·8	519·8	518·6	509·[illegible]
	13	510·7	508·8	507·4	500·6	503·6	504·0	501·7	506·0	500·5	508 3	517·8	510·6
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	511·2	509·9	505·2	501·3	491·0	486·2	497·9	496·7	510·0	507·6	509·0	517·0
	16	515·7	513·9	508·0	498·3	497·9	498·9	509·8	511·4	519·5	525·1	525·3	513·8
	17	515·2	515·4	509·5	502·8	497·4	494·0[a]	500·3	514·3	513·9	509·0	515·3	523·3
	18	515·2	518·3	507·4	497·0	492·3	501·8	507·6	508·5	510·7	509·0	504·8	507·3
	19	504·0	503·0	498·8	500·0	489·0	491·0	492·0	498·4	503·7	508·9	513·9	516·9
	20	517·3	515·0	511·9[b]	505·2	499·2	496·2	498·8	507·0	514·0	521·0	522·1	515·2
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	511·0	507·9	501·5	497·7	495·2	500·5	510·6	512·8	513·6	511·2	510·8	508·0
	23	510·0	511·0	510·0	505·3	500·0	496·8	504·5	511·6	510 0	512·0	510·6	509·0
	24	516·7	515·0	510 9	507·4	500·9	505·0	508·7	514·5	515·7	512·8	511·8	509·2
	25	508·6	509·0	523·5	509·3	505·5	485·7	492·6	504·0	504·9	522·7	520·0	516·5
	26	516·5	516·2	509·2	506·5	492·2	502·0	509·5	515·3	519·9	524·9	516·7	522·7
	27	515·0	522 0	514·6	496·9	484·7	496·5	504·6	502·5	498·5	516·3	526·2	527·0
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	518·0	515·8	509·3	495·2	491·4	492·0	496 0	497·7	505·8	508·8	508·6	508·4
	30	511·7	510·0	496·8	495·1	481·6	490·6	499·0	511·7	523·0	520·8[a]	522·7	516·3
	31	513·6	515·6	502·2	495·9	508·9	501·5	510·7	513·4	511·0	524·4	514·2	517·0
Hourly Means		512·23	512·44	507·90	501·52	496·25	497·91	503·78	508·14	511·80	514·83	515·28	513·06

TEMPERATURE OF THE BIFILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
JULY.	1	66·5	67·2	68·0	68·6	69·5	70·8	71·5	72·2	74·0	75·2	75·6	76·0
	2	67·6	67·8	68·4	68·8	69·4	70·0	71·0	71·5	72·0	72·2	72·8	73·0
	3	68·5	68·4	68·6	68·8	69·2	69·5	70·0	70·5	70·7	71·0	71·0	71·0
	4	64·0	64·0	64·2	64·8	64·9	65·5	65·5	65·5	65·5	66·0	66·5	67·0
	5	62·0	62·0	62·0	62·0	62·4	63·0	63·0	63·4	63·6	63·6	63·8	63·8
	6	63·2	64·0	65·2	65·8	66·6	67·8	69·0	70·0	71·0	71·5	72·0	72·0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	63·7	63·7	63·7	64·3	64·8	65·2	65·8	66·4	67·0	68·0	69·0	69·4
	9	66·6	66·2	66·5	67·4	68·6	69·4	70·4	71·0	71·4	71·5	71·5	71·5
	10	69·7	70·5	71·3	71·6	72·3	73·0	73·4	73·4	74·0	74·0	74·3	74·4
	11	68·8	68·8	69·3	69·8	70·5	71·4	72·0	72·6	73·1	73·7	74·3	74·4
	12	68·6	68·8	69·0	69·2	69·8	70·4	70·8	71·5	72·4	73·0	74·0	74·2
	13	70·2	70·1	70·0	70·0	70·3	70 5	70·9	71·5	72·0	72·3	72·5	73·0
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	69·8	69·6	69·5	69·6	70·0	70·2	70·4	70·6	70·7	70·7	70·7	70·7
	16	67·3	67·0	66·8	66·8	67·0	67 5	67·9	68·5	68·7	69·0	69·4	69·6
	17	66·2	66·4	67·0	67·5	68·4	69·4[a]	69·8	70·4	70·8	71·4	71·7	72·0
	18	66 7	66·7	67·3	67·8	68·9	69·8	70·6	71·5	72·0	72·5	72·5	72·7
	19	70·5	70·0	70·0	70·0	70·3	70·6	71·0	71·2	71·5	72·0	72·5	73·0
	20	68·8	69·4	70·0[b]	70·4	70·4	70·8	71·4	71·6	72·0	72·0	72·5	72·6
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	69·5	69·5	69·9	70·6	71·5	73·0	73·4	74·6	74·8	75·0	75·6	75·8
	23	71·8	71·8	72·0	72·4	73·2	74·0	74·5	74·8	75·5	75·8	76·0	76·0
	24	71·0	70·7	70·5	70·8	71·0	71·3	71·6	72·0	72·2	72·5	72·8	72·7
	25	71·0	71·0	70·0	70·0	70·0	70·5	71·0	71·4	71·5	71·7	72·0	72·0
	26	67·3	67·2	67·4	67·8	68·0	68·5	68·8	69·5	69·7	70·0	70·5	70·7
	27	65·6	66·0	66·5	67·5	68·5	69·8	70·5	70·9	71·4	71·6	71·6	71·8
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	67·6	68·0	68·5	69·4	70·4	72·0	73·0	73·6	74·5	74·5	75·4	76·0
	30	71·6	71·5	71·5	71·5	71·6	71·8	71·9	72·0	72·3	72·5	72·5	72·3
	31	72·4	72·5	72·5	72 8	73·4	74·2	74·7	75·3	76·0	76·5	76·7	76·9
Hourly Means		68·02	68·10	68·36	68·74	69·29	70·00	70·51	71·01	71·49	71·84	72·20	72·39

[a] Seven minutes late. [b] Two minutes late.

HORIZONTAL FORCE.

One Scale Division = ·00087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·000234.

12^h.	13^h.	14^h.	15^h.	16^h.	17^h.	18^h.	19^h.	20^h.	21^h.	22^h.	23^h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
505·4	501·6	496·9	498·0	497·6	498·1	500·4	500·9	503·0	503·5	502·9	503·2	501·22
502·9	502·0	501·4	504·0	504·0	506·1	500·4	502·8	506·1	505·8	505·4	507·9	501·02
509·0	506·0	508·1	507·8	511·9	509·0	508·0	515·1	509·7	508·2	511·5	512·6	507·19
516·0	509·9	509·8	508·5	511·2	513·2	511·5	513·2	512·4	513·9	515·1	516·5	513·64
520·6	521·6	514·5	514·9	515·4	513·4	512·9	515·0	515·2	514·0	513·0	513·2	514·93
512·5	511·2	510·9	509·6	506·9	513·7	—	—	—	—	—	—	509·93
—	—	—	—	—	—	503·4	503·0	503·6	506·8	511·0	507·1	
516·7	514·2	514·0	511·0	503·8	498·5	507·8	495·4	500·0	497·0	504·8	500·8	510·79
509·0	500·0	495·0	496·7	499·4	497·0	497·7	491·2	503·0	503·1	503·2	503·8	503·39
501·0	503·9	502·0	503·7	501·6	499·7	505·8	505·5	505·3	506·4	506·9	506·0	504·35
508·0	502·3	506·3	501·5	499·0	498·1	497·6	502·9	502·8	505·8	506·0	508·0	504·83
503·4	505·3	505·6	505·0	503·9	501·8	502·0	498·1	506·3	506·0	508·6	507·5	506·88
508·9	510·0	503·0	500·0	497·3	502·5	—	—	—	—	—	—	506·18
—	—	—	—	—	—	508·8	505·6	507·4	506·9	506·0	511·9	
511·0	511·5	496·8	506·3	508·0	505·7	508·6	509·2	509·0	510·2	511·6	514·1	506·04
525·2	510·3	503·0	512·2	508·7	510·4	511·2	511·9	513·0	500·8	510·1	506·5	510·91
502·9	510·0	503·8	503·0	503·8	516·3	513·2	510·0	503·8	503·3	503·2	507·5	507·97
503·0	502·5	504·0	505·5	506·0	507·0	503·5	506·4	506·4	505·8	505·4	503·3	505·78
513·0	509·5	510 0	508·5	508·3	510·0	510·6	511·2	511·2	513·7	513·0	513·5	506·34
515·8	516·4	512·8	512·1	512·9	507·2	—	—	—	—	—	—	511·02
—	—	—	—	—	—	509·9	513·0	511·5	508·5	511·2	510·3	
507·0	505·0	507·6	507·2	508·7[a]	509·9	506·8	508·2	508·4	509·0	508·8	509·0	507·35
506·8	507·9	507·2	504·9	504·9	506·1	507·2	509·3	510·0	512·5	515·2	515·3	508·25
510·8	512·1	522·9	523·1	525·0	522·9	518·9	522·2	491·6	513·5	501·1	510·2	512·62
510·1	504·7	505·5	509·5	508·0	512·2	506·6	507·2	494·8	517·9	515·5	514·7	508·71
512·8	508·6	512·3	514·6	513·0	516·9	518·8	514·9	511·6	509·3	510·5	519·0	513·08
511·1	506·5	512·6	503·3	503·4	518·9	—	—	—	—	—	—	509·76
—	—	—	—	—	—	513·6	512·3	511·0	511·1	510·6	515·0	
510·0	508·0	507·3	509·2	506·8	507·0	508·5	510·1	513·6	512·0	510·5	511·0	506·71
510·3	509·5	508·0	503·1	506·1	510·0	513·8	512·1	510·9	508·6	506·9	508·8	507·81
516·0	507·9	505·0	509·9	502·8	503·0	502·8	501·2	503·8	502·4	507·9	509·8	508·37
510·34	508·09	506·90	507·15	506·61	507·95	507·79	507·70	506·87	508·00	508·74	509 87	507·96

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
76·0	76·5	75·5	73·0	72·5	71·5	71·0	70·0	69·2	68·5	68·0	67·4	71·43
72·5	72·5	72·0	71·6	71·2	71·0	70·5	70·0	69·6	69·2	69·2	68·5	70·50
70·7	70·0	69·3	68·6	68·1	67·4	66·8	66·0	65·8	65·0	64·5	63·8	68·47
67·2	67·0	66·8	66·5	66·0	65·4	64·8	64·4	64·0	63·3	63·0	62·5	65·18
63·6	63·4	63·4	63·4	63·4	63·3	63·2	63·0	63·0	63·0	63·0	63·0	63·05
72·0	71·5	70·6	70·0	69·5	68·8	—	—	—	—	—	—	67·97
—	—	—	—	—	—	66·0	66·0	65·5	65·0	64·5	63·8	
69·8	70·0	69·5	69·2	68·7	68·4	68·0	67·8	67·6	67·2	66·6	66·2	67·08
71·5	71·5	71·0	71·1	70·6	70·5	70·2	70·0	70·0	69·6	69·4	69·0	69·85
74·4	73·4	72·8	72·4	72·0	71·8	71·2	70·6	70·2	69·7	69·4	69·0	72·03
75·0	75·0	74·8	74·0	73·5	73·0	72·5	71·5	71·0	70·5	69·6	69·0	72·00
74·4	74·1	73·8	73·2	72·6	72·5	72·0	71·4	71·2	71·0	70·6	70·9	71·64
73·0	73·0	72·7	72·5	72·3	72·0	—	—	—	—	—	—	71·63
—	—	—	—	—	—	72·9	72·6	72·4	71·8	70·6	70·0	
70·4	70·4	69·5	69·6	69·4	69·3	69·0	68·6	68·4	68·1	67·8	67·4	69·60
69·8	70·2	70·2	69·9	69·6	69·0	68·6	68·5	68·0	67·5	67·2	66·2	68·34
72·4	72·4	72·0	71·7	71·0	70·5	70·0	69·2	68·8	68·0	67·0	67·4	69·64
72·7	72·5	72·3	72·0	72·0	71·8	71·5	71·4	71·2	71·0	70·7	70·4	70·77
73·0	73·0	72·2	72·0	71·6	71·2	70·6	70·4	69·8	69·5	69·0	68·5	70·97
72·9	73·2	73·2	72·6	72·2	71·6	—	—	—	—	—	—	71·27
—	—	—	—	—	—	71·5	71·0	70·8	70·5	69·8	69·3	
75·8	75·6	75·7	75·1	75·0[b]	74·5	74·0	73·5	73·2	73·0	72·6	72·2	73·47
76·0	75·9	75·1	74·8	74·4	74·0	73·5	72·8	72·5	72·0	71·8	71·6	73·84
72·7	72·5	72·5	72·5	72·5	72·2	72·0	72·0	71·8	71·5	71·5	71·0	71·83
72·0	72·0	71·4	71·2	70·8	70·4	69·8	69·4	68·8	68·4	67·8	67·4	70·48
70·8	70·8	70·5	69·8	69·0	68·4	68·0	67·5	67·0	66·5	66·2	65·6	68·56
71·8	72·0	71·0	70·2	69·2	69·0	—	—	—	—	—	—	69·51
—	—	—	—	—	—	70·0	69·5	69·0	68·5	68·5	67·8	
76·0	76·0	75·2	75·0	74·6	74·0	73·7	73·2	72·6	72·2	72·0	71·8	72·88
72·3	72·4	72·4	72·4	72·2	72·0	72 0	72·0	72·0	72·0	71·8	72·0	72·02
76·9	76·9	76·7	76 0	75·8	76·0	74·8	74·0	72·6	72·3	72·5	72·2	74·61
72·43	72·36	71·93	71·49	71·10	70·72	70·30	69·86	69·48	69·07	68·69	68·29	70·32

[a] Eight minutes late. [b] Four minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·000234.

Mean Göttingen Time.		0^h.	1^h.	2^h.	3^h.	4^h.	5^h.	6^h.	7^h.	8^h.	9^h.	10^h.	11^h.
AUGUST.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
	1	514·3	511·9	511·1	507·0	509·8	471·6	491·1	513·2	532·5	515·5	528·0	511·5
	2	502·0	507·8	504·0	497·5	487·1	488·3	493·4	500·5	508·0	507·8	516·6	500·9
	3	509·2	511·7	504·3	507·9	498·4	497·8	501·4	499·5	506·7	510·4	500·5	508·7
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	517·9	511·8	513·0	503·1	505·3	502·5	509·8	514·5	514·3	512·3	513·5	514·6
	6	512·9	508·5	507·8	500·1	495·7	496·5	498·0	504·9	510·5	516·4	521·3	516·0
	7	517·2	516·3	510·6	503·3	499·0	501·1	503·9	509·0	513·5	515·8	518·0	516·6
	8	515·0	517·8	515·5	507·0	504·4	503·9	509·0	512·8	513·2	516·0	518·0	519·0
	9	514·1	509·0	518·5	501·3	486·7	515·0	521·8	526·0	528·8	529·1	530·5	524·9
	10	510·3	505·2	504·6	501·3	496·7	493·8	500·3	510·2	518·5	519·7	523·9	520·8
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	526·1	523·6	518·9	511·3	503·3	502·0	502·8	508·9	521·6	523·8	526·8	525·3
	13	524·4	521·8	514·4	506·8	504·1	508·0[a]	513·9	517·9	527·0	531·0	530·5	526·8
	14	525·0	521·8	512·4	504·5	501·6	505·4	509·6	515·9	523·1	530·0	531·8	528·6
	15	524·6	522·3	516·0	506·2	506·0	511·7	524·8	531·2	534·8	535·0	532·0	525·4
	16	521·6	521·6	514·0	503·6	499·7	499·5	508·0[b]	516·2	513·6	532·3	526·0	516·0
	17	518·3	516·0	507·3	499·7	496·9	500·5	511·3	508·8	516·0	516·2	516·0	516·3
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	522·0	519·8	515·0	505·2	506·6	509·0	511·6	514·0	517·5	518·0	518·0	521·6
	20	519·0	518·8	515·0	507·0	503·3	505·1	508·0	512·8	521·8	524·8	529·3	522·0
	21	523·2	525·0	522·0	512·1	507·9	512·0	518·3	524·6	528·0	538·7	531·0	533·0
	22	532·5	529·5	520·9	493·3	512·7	519·0	518·0	520·0	533·3	524·3	520·6	546·5
	23	518·4	514·6	514·1	482·5	499·5	499·2	511·1	520·6	521·0	532·2	522·0	522·9
	24	526·0	524·6	517·0	509·5	516·0	517·0	518·2	521·1	524·0	528·6	529 6	524·4
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	540·0	520·5	514·0	512·0	511·5	516·5	521·0	527·6	525·1	532·9	539·1	532·1
	27	528·4	527·6	520 0	511·9	511·0	516·7	524·7	527·8	532·0	532·8	530·0	531·3
	28	536·0	532·0	520·9	511·2	507·1[b]	508·3[c]	514·6	522·5	528·7	535·3	536·0	538·0
	29	533·0	529·1	519·1	507·4[c]	506·4	514·9	525·3	534·5	549·8	547·5	525·0	538·4
	30	528·0	506·3	518·8	519·0	508·0	512·2	518·2	528·0	544·1	534·2	536·8	521·8
	31	521·1	509·4	513·6	514·3	506·1	512·5	521·3	525·0	520·6	534·5	521·3	516·0
	32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		521·50	517·94	514·18	505·41	503·36	505·18	511·46	517·33	523·26	525·97	525·11	522·94

TEMPERATURE OF THE BIFILAR MAGNET.

AUGUST.		°	°	°	°	°	°	°	°	°	°	°	°
	1	72·1	72·3	73·0	73·2	74·0	74·4	75·0	75·5	76·0	76·7	77·1	77·5
	2	71·6	72·0	72·4	72·8	73·5	74·0	74·5	74·8	75·2	75·4	75·6	76·0
	3	68·9	68·6	68·7	69·0	69·3	69·8	70·2	71·0	71·5	71·9	71·9	72·0
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	65·2	65·6	66·0	66·6	67·2	68·0	68·6	69·4	69·6	69·9	70·2	70·5
	6	67·9	68·0	67·6	68·2	68·6	69·4	69·4	70·0	70·4	71·0	71·4	71·4
	7	66·0	66·1	66·6	67·4	67·8	68·9	69·4	70·0	70·5	70·8	71·0	71·2
	8	68·8	68·8	68·5	68·5	69·0	69·6	70·5	70·8	71·3	71·8	72 2	72·8
	9	71·0	70·8	70 8	71·0	71·4	72·8	73·4	73·8	73·8	74·0	74·0	74·0
	10	70·3	70·2	70·0	70·4	70·2	70·3	70·3	70·5	71·2	71·4	71·8	72·0
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	63·0	62·5	63·0	63·9	64·6	64·8	65·8	66·5	66·8	67·2	67·4	67·4
	13	63·5	63·3	63·3	63·8	64·7	65·5[a]	66·4	67·0	67·7	68·2	68 5	68·6
	14	65·6	65·6	65·6	65·5	65·6	66·0	66·5	66·7	67·4	68·2	68·8	69·0
	15	66·3	66·4	67·0	67·4	68·3	69·0	70·0	71·0	71·5	72·4	72·5	72·8
	16	68·6	68 5	68·7	69·0	69·8	71·0	71·5[b]	72·1	72·9	73·5	73·8	74 0
	17	71·0	70·8	71·0	71·5	72·0	72·6	73·0	73·5	73·5	74·0	74·5	74·6
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	69·6	69·5	69·6	69·8	70·5	71·0	72·0	72·5	72·5	73·6	74·0	74·4
	20	71·5	71·0	71·0	71·0	71·0	71·0	71·0	71·2	71·2	71·3	71·5	71·5
	21	65·7	66·0	66·7	67·2	68·0	68·4	68·6	69·0	69·0	69·0	68·7	68·5
	22	66·0	65·6	65·4	65·4	65·4	65·4	65·6	65·6	66·0	66·6	68·0	68·5
	23	68·1	68·3	68·5	68·7	68·7	68·9	69·3	70·0	70·0	70·0	70·4	70·6
	24	65·0	65·5	65·5	66·0	66·8	67·0	67·4	68·0	68·3	68·3	68·3	68·2
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	62·6	62·2	62·6	63·5	64·4	64·6	65·0	65·5	65·9	66·3	66·0	66·2
	27	63·4	63·0	63·0	63·5	64·0	64·0	64·2	64·4	64·8	65·0	65·4	65·5
	28	62·5	62·2	62·4	62·4	63·0[a]	63·5[a]	64·0	64·4	64·5	64·5	65·0	65·0
	29	62·0	62·0	62·0	62·6[c]	63·0	64·0	64·3	65·0	65·4	65·9	66·1	66·6
	30	63·0	62·2	62·0	62·4	62·8	63 4	64·0	64·8	65·4	65·6	65·8	66·2
	31	66·5	66·0	66·2	66·8	67·2	67·6	68·2	68·6	69·0	69·4	69·8	70·2
	32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		66·88	66·78	66·93	67·31	67·81	68·33	68·82	69·32	69·68	70·07	70·36	70·56

[a] Three minutes late. [b] Two minutes late. [c] Four minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·000234.

12^{h}.	13^{h}.	14^{h}.	15^{h}.	16^{h}.	17^{h}.	18^{h}.	19^{h}.	20^{h}.	21^{h}.	22^{h}.	23^{h}.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
485·6	481·1	484·1	492·6	490·4	484·8	492·5	474·5	475·5	494·1	495·5	497·0	498·55
506·4	491·6	496·7	495·4	503·4	493·9	502·7	499·5	509·5	506·1	506·5	510·6	501·51
513·4	502·5	500·8	503·1	516·0	495·7	—	—	—	—	—	—	506·23
—	—	—	—	—	—	505·4	499·5	506·5	511·7	512·3	514·2	
518·3	508·4	515·0	516·0	515·2	515·0	513·8	513·0	514·6	511·9	510·4	509·9	512·25
512·0	512·5	510·8	511·4	511·0	510·0	508·9	510·4	512·0	513·9	513·8	514·4	509·57
514·7	514·2	513·4	513·0	513·8	511·7	514·0	515·1	514·7	512·6	511·1	513·4	511·92
511·4	514·0	514·7	513·2	512·4	513·0	508·5	511·5	515·2	516·2	518·5	511·2	512·98
503·8	505·0	498·2	498·0	495·8	516·1	503·5	506·8	507 0	484·9	504·9	512·0	510·07
512·9	510·9	511·0	520·5	508·5	515·0	—	—	—	—	—	—	512·68
—	—	—	—	—	—	517·0	518·1	520·8	517·8	519·8	526·6	
523·5	523·9	523·0	508·6	514·6	518·5	520·6	523·0	514·8	517·9	522·0	523·2	517·83
524·3	521·6	522·0	522·2	523·2	523 0	523·0	524·6	523·4	523·1	523·0	525·0	521·04
522·3	520·0	522·0	522·8	524·9	526·0	524·4	523·2	522·0	526·0	524·5	524·6	520·52
518 6	519·3	520·0	519·0	518·0	520·4	520·8	519·6	519·3	522·4	521·2	523·0	521·32
515·0	513·0	508·1	515·4	516·1	522·3	518·0	518·8	519·5	519·0	517·5	519·0	515·58
514·6	510·9	517·6	521·3	521·7	521·6	—	—	—	—	—	—	514·86
—	—	—	—	—	—	521·9	522·0	523·0	521·6	517·4	519·8	
516·4	518·0	518·2	516·7	519·0	518·5	521·0	519·0	516·1	517·9	516·9	518·0	516·42
524·0	521·6	520·0	520·8	522·8	524·8	523·1	525·8	526·1	527·0	528·0	525·0	519·91
533·2	530·0	531·5	526·4	518·8	520·3	523·9	517·8	530·1	534·5	529·3	530·7	525·47
515·0	508·8	510·1	518·9	518·0	521·8	521·5	520·8	524·2	509·1	515·3	499·3	518·89
519·0	523·6	503·4	522·8	496·1	502·8	514·6	516·5	522·0[c]	516·9	518·5	519·0	513·89
525·0	518·5	507·4	523·6	525·5	525·3	—	—	—	—	—	—	521·85
—	—	—	—	—	—	515 2	517·4	526·3	528·8	525·4	530·0	
522·8	525·0	526·3	529·4	530·0	520·0	530 6	532·0	526·0	528·0	529·0	530·4	526·28
530·1	529·7	531·0	529·2	536·0	529·7	530·0	530·4	521·6	525·4	530·6	533·0	527·12
533·0	533·0	533·5	533·8	532·6	532·8	532·9	536·0	533·0	532·8	531·2	531·2	528·60
514·4	519·6	508·8	502·9	525·6	519·7	522·2	511·9	509·7	515·9	530·8	530·0	522·58
520·9	508·8	518·3	524·2	524·9	521·8	530·3	521·0	515·6	524·6	514·8	519·9	521·69
520·3	520·6[d]	521·1	511·1[e]	512·0	511·0	—	—	—	—	—	—	518·13
—	—	—	—	—	—	520·9	522·3	518·1	517·0	520·0	525·0	
517·44	515·34	514·44	516·01	516·53	516·46	517·82	516·69	517·28	517·67	518·82	519·83	516·58

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
77·6	77·6	77·4	77·2	76·4	75·8	75·3	74·1	73·8	73·0	72·6	71·9	74·98
76·4	76·0	75·4	74·6	74·0	73·1	72·5	71·5	71·2	70·8	70 3	69·5	73·46
72·0	71·8	71·5	71·2	71·0	70·8	—	—	—	—	—	—	69·65
—	—	—	—	—	—	68·0	67·5	67·0	66·4	66·0	65·5	
70·5	70·2	70·0	69·5	69·2	69·0	68·6	68·2	68·3	68·4	68·3	68·0	68·54
71·4	71·4	70·6	70 2	70·0	69·4	69·0	68·5	67·8	67·4	66·9	66·4	69·26
71·5	71·3	71·2	70·8	70·5	70·0	70·0	70·0	69·5	69·4	69·3	69·0	69·51
73·0	72·4	72·8	73·0	72·8	72·4	72·0	71·8	71·5	71·5	71·5	71·2	71·19
73·8	74·0	74·0	73·4	73·2	73·0	72·5	72·1	71·8	71·5	71·0	70·5	72·57
72·0	71·7	71·0	70·7	70·4	70·0	—	—	—	—	—	—	69·32
—	—	—	—	—	—	66·0	65·4	65·2	65·0	64·2	63·4	
67·4	67·4	67·4	67·0	66·5	66·2	66·0	65·0	64·8	64·5	64·0	63·5	65·52
68·6	68·6	68·5	68·0	67·5	67·2	67·0	66 6	66·4	66·1	66·0	65·8	66·53
69·5	69·0	69·4	69·0	68·8	68·5	68·2	67·8	67·2	67·2	66·8	66·6	67·44
72·8	72·5	72·0	71·7	71·3	71·0	70·5	70·2	69·8	69·6	69·0	68·5	70·15
73·6	73·5	73·5	73·5	73·2	73·0	72·6	72·0	72·4	72·1	72·0	71·5	71·93
74·4	74·0	73·6	72·8	72·0	71·2	—	—	—	—	—	—	72·03
—	—	—	—	—	—	70·0	70·0	70·0	69·6	69·5	69·7	
74·5	74·6	74·6	74·5	74·2	73·7	73·0	72·5	72·4	72·0	71·7	71·5	72·42
71·7	71·2	70·8	70·0	69·5	69·0	68·3	67·5	67·3	67·0	66·5	66·0	69·96
69·0	68·6	68·5	68·4	67·8	67·3	66·8	66·6	66·2	65·8	65·8	65·5	67·55
68·8	69·0	69·2	69·2	69·2	69·2	69·2	69·0	68·9	68·6	68·5	68·3	67·52
70·8	70·5	69·8	69·4	68·4	68·0	67·3	67·0	66·6[e]	66·3	66·0	65·5	68·63
68·0	67·7	67·2	67·0	66·6	66·0	—	—	—	—	—	—	66·19
—	—	—	—	—	—	64·5	64·2	63·9	63·5	63·0	62·6	
66·2	66·0	66·0	65·4	65·0	64·8	64·5	64·2	64·0	63·6	63·6	63·5	64·65
65·9	65·6	65·5	65·2	64·8	64·4	64·0	63·8	63·5	63·0	62·7	62·5	64·22
65·0	65·0	65·0	64·6	64·2	64·0	63·6	63·2	63·0	62·7	62.5	62·1	63·68
66·9	67·3	67·0	66·7	66·0	65·5	65·0	64·5	64·0	63·5	63·2	63·0	64·65
66·4	66·4	66·6	66·7	66·6	66·4	66·4	66·4	66·4	66·4	66·4	66·5	65·22
70·4	70·2[d]	70·0	69·4	69·0	68·6	—	—	—	—	—	—	68·68
—	—	—	—	—	—	69·2	69·2	69·2	69·2	69·2	69·2	
70·67	70·51	70·31	69·97	69·56	69·17	68·52	68·10	67·86	67·56	67·28	66·93	68·72

[d] Nine minutes late. [e] Ten minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·000234.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
SEPTEMBER.	2	521·6	518·1	514·8	512·8	504·2	503·0	516·4	518·9	523·8	527·4	527·0	528·0
	3	526·8	526·0	518·7	514·6	511·1	513·0	518·0	521·6	528 6	534·1	534·8	532·0
	4	530·3	531·0	521·3	511·6	510·3	511·0	522·9	523·3	524·4	537·9	524·9	525·8
	5	530·0	525·5	521·3	516·4	512·8	515·0	518·3	527·0	532·2	533·0	535·9	532·0
	6	533·7	531·4	525·9	519·0	515·5	516·8	519·0	525·3	528·2	531·1	534·0	531·8
	7	534·9	532·3	523·1	518·1	514·8	518·0	522·9	535·8	538·4	542·4	538·4	539·8
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	526·9	522·2	513·1	506·8	510·0	510·6	519·9	522·1	536·0	533·1	542·6	527·0
	10	531·8	525·5	517·8	509·9	511·6	518·2	527·1	533·0	539·8	536·8	536·9	530·2
	11	529·0	523·0	515·3	509·0	508·5	515·0	521·5	529·7	536·1	538·5	529·8	530·3
	12	532·8	525·4	517·5	512·4	510·1	513·7	518·0	527·3	530·7	533·1	527·8	528·5
	13	530·1	526·8	519·1	511·8	511·3	512·5	517·5	524·9	532·1	535·0	537·7	535·3
	14	533·9	532·0	525·8	520·5	504·3	504·9	513·5	515·5	525·3	534·0	533·5	531·8
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	528·2	524·7	517·6	509·9	508·4	510·3	515·0	519·7	525·2	527·3	531·0	528·6
	17	527·4	525·0	521·0	515·0	509·5	507·0	512·0	516·8	521·0	526·1	524·8	522·6
	18	525·0	520·2	517·5	512·4	506·8	506·1	507·5	513·8	522·1	524·9	524·8	529·3
	19	525·7	528·8	523·2	520·3	518·3	520·5	524·4	530·3	535·3	522·8	530·0	533·0
	20	532·3	526·0	519·1	510·9	504·4	504·1	518·5	520·5	512·7	511·3	514·0	516·2
	21	517·8	518·0	519·0	516·5	509·0	501·8	502·5	515·5	523·3	524·0	526·0	526·4
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	542·0	538·5	542·8	535·5	530·0	536·5	539·5	542·6	547·0	549 7	550·1	546·9
	24	550·2	547·5	539·1	528·6	837·3	544·8	542·0	551·8	552·5	554·3	554·0	551·0
	25	554·9	554·6	542·6	544·7	542·9	534·9	540·2	549·4	558·4	550·5	550·0	550·0
	26	549·8	562·1	552·5	541·0	517·4	521·5	534·5	554·8	525·5	548·0	544·5	545·8
	27	555·5	555·5	549·0	538·8	525·5	539·9	546·5	545·1	550·8	550·0	550·5	552·6
	28	557·6	554·0	553·7	547·5	550·6	547·5	544·4	557·9	563·1	561·0	557·9	556·4
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	559·0	550·5	532·1	524·4	528·8	521·8	538·4	554·7	552·8	540·0	550·8	546·8
Hourly Means		535·49	532·99	526·52	520·34	516·54	517·94	524·04	531·09	534·61	536·25	536·46	535·13

TEMPERATURE OF THE BIFILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
SEPTEMBER.	2	68·5	68·6	68·7	68·8	69·0	69·2	70·0	70·0	70·4	71·0	72·0	72·5
	3	67·0	67·0	67·4	67·6	68·5	69·0	69·4	69·5	70·0	70·4	71·3	72·0
	4	66·0	66·5	67·0	67·7	68·2	68·7	69·0	69·5	70·0	70·3	70·7	70·9
	5	64·4	64·2	64·4	65·5	66·0	67·0	67·4	67·4	67·8	68·2	68·5	68·6
	6	64·0	64·2	65·0	65·6	66·8	67·5	68·3	69·0	69·3	70·0	70·5	70·5
	7	65·6	66·0	66·5	67·5	68·3	68·8	69·4	69·8	70·0	70·5	71·0	71·0
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	68·2	68·0	68·0	67·8	67·6	67·8	68·0	68·4	68·5	69·2	69·1	69·5
	10	66·8	66·7	66·6	66·7	66·7	67·0	67·5	68·5	69·0	69·5	70·0	70·5
	11	68·0	67·7	67·7	67·7	67·9	68·0	68·5	68·8	69·4	69·8	70·0	70·2
	12	67·0	66·7	66·6	66·7	67·3	67·9	68·4	69·0	69·6	69·9	70·8	71·2
	13	66·5	66·0	66·5	67·0	67·7	68·4	68·8	69·5	69·7	70·2	70·5	71·0
	14	65·3	65·5	66·0	66·5	67·4	68·4	69·0	70·0	70·5	71·2	72·0	72·6
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	69·1	69·0	69·5	70·0	71·5	72·0	72·6	73·0	73·4	74·0	75·5	76·0
	17	69·0	69·0	69·5	70·0	70·8	71·8	72·5	73·3	74·2	75·2	76·0	76·2
	18	69·6	69·8	70·2	70·4	71·0	71·3	71·5	71·6	71·8	72·0	72·4	72·8
	19	67·5	67·3	67·6	68·0	68·5	69·0	69·5	70·2	71·0	71·8	72·8	73·0
	20	69·5	69·5	70·0	70·5	71·3	72·0	72·8	73·5	74·2	75·0	75·2	75·4
	21	71·5	71·5	71·8	72·5	73·0	73·0	72·5	71·8	71·2	70·5	69·8	69·5
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	57·0	56·7	57·0	58·0	58 5	58·9	59·4	59·5	59·6	59·6	59·6	59·7
	24	56·2	56·0	56·0	56·0	55·8	56·0	56·5	56·6	57·0	57·4	58·0	58·3
	25	54·7	54·5	54·4	54·4	54·4	54·7	55·0	55·4	55·5	55·6	55·6	55·6
	26	52·8	52·7	52·8	53·2	54·0	54·5	55·0	55·5	56·0	56·0	56·0	56·4
	27	51·0	51·0	51·5	52·4	52·8	53·0	53·4	53·6	54·0	54·5	55·5	56·0
	28	50·0	49·7	49·5	49·6	50·3	50·9	51·2	51·5	52·1	53·0	53·0	58·3
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	51·3	51·2	51·5	51·8	52·8	53·7	54·9	55·8	56·7	57·4	58·2	58·0
Hourly Means		63·46	63·40	63·67	64·08	64·64	65·14	65·62	66·03	66·44	66·89	67·36	67·62

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·000234.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
521·4	518·0	511·1	515·8	525·1	519·7	523·0	521·8	524·9	526·5	520·4	524·5	519·51
529·0	526·5	525·0	527·0	526·6	522·1	521·7	525·8	525·5	526·0	522·0	525·3	524·23
528·8	525·9	525·9	524·0	515·6	517·7	521·9	526·0	524·7	519·8	527·4	529·5	523·41
529·7	527·0	526·7	526·8	526·4	528·5	529·2	529·5	530·0	530·0	531·0	532·8	526·96
530·0	531·1	531·0	531·0	531·0	526·5	522·0	528·8	524·5	529·0	529·6	530·6	527·37
527·5	526·0	526·8	529·0	531·0	531·4	—	—	—	—	—	—	528·47
—	—	—	—	—	—	522·6	532·1	521·8	522·0	525·8	528·4	
527·0	520·5	517·0	520·5	522·4	527·4	527·0	527·7	528·8	529·3	529·0	532·8	524·15
528·0	530·8	521·0	528·0	529·7	529·9	529·2	530·2	530·6	530·6	530·5	530·0	527·80
529·0	530·7	530·9	531·6	533·2	531·8	532·5	533·0	535·0	533·0	533·5	535·0	528·12
527·0	529·8	531·0	532·5	530·5	531·0	533·4	534·9	535·4	533·0	534·5	535·4	527·76
528·0	540·0	537·0	530·2	530·2	528·7	531·8	529·0	536·5	537·8	537·0	533·9	529·35
528·5	529·1	528·6	479·4	511·4	523·7	521·4	527·9	529·0	525·0	522·8	527·9	522·07
—	—	—	—	—	—	—	—	—	—	—	—	
521·9	500·7	504·3	507·1	518·5	513·1	522·9	521·5	526·0	527·0	526·4	526·0	519·35
523·0	525·3	521·2	518·2	506·7	513·3	517·0	517·4	518·0	522·0	522·0	523·4	518·99
528·4	526·5	520·0	520·0	524·0	533·0	529·5	528·0	528·1	529·9	531·6	531·0	522·52
530·5	524·0	511·4	514·7	504·3	510·4	500·5	513·8	513·2	505·6	517·8	515·5	519·76
513·6	517·6	514·8	526·6	524·8	515·3	522·6	511·5	517·8	521·3	521·5	513·5	517·12
527·0	531·3	533·4	526·5	531·6	533·4	—	—	—	—	—	—	526·63
—	—	—	—	—	—	542·2	536·7	533·5	543·2	550·5	550·0	
540·0	545·9	543 9	543·0	539·5	543·2	538·9	536·6	542·0	546·0	550·0	550·4	542·90
547·7	551·0	548·5	550·5	556·5	548·0	546·8	548·8	549·6	548·6	551·4	551·0	547·98
535·1	525·3	547·5	523·2	527·1	528·0	539·8	534·5	528·8	535·5	546·9	534·3	540·81
542·8	549·1	546·0	545·1	546·9	552·0	552·0	531·1	500·5	527·2	538·1	537·5	540·24
545·4	545·4	536·5	541·5	528·4	555·7	550·0	554·0	556·5	556·0	557·0	554·8	547·54
559·0	556·3	558·4	558·0	557·9	554·5	—	—	—	—	—	—	551·33
—	—	—	—	—	—	527·8	527·5	531·0	543·0	550·0	556·9	
545·6	533·0	545·5	514·5	508·0	505·8	495·9	419·0	461·6	469·7	543·6	494·6	522·37
532·64	530·67	529·74	526·59	527·49	528·96	528·06	525·10	526·13	528·68	534·01	532·20	529·07

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
73·0	72·7	72·2	71·5	70·5	69·8	69·4	68·6	68·4	68·2	67·6	67·0	69·90
72·4	72·0	71·3	70·5	70·0	69·4	69·0	68·5	68·0	67·5	67·0	66·5	69·22
70·9	70·4	69·6	69·4	67·8	67·0	66·5	66·0	65·7	65·4	65·0	64·6	68·03
68·8	68·4	68·0	67·0	66·8	66·5	66·0	65·8	65·4	65·0	64·8	64·4	66·51
70·5	70·3	70·0	69·6	69·0	68·5	68·2	67·6	67·2	67·0	66·6	66·4	67·98
71·0	70·5	70·0	69·5	69·3	68·6	—	—	—	—	—	—	68·96
—	—	—	—	—	—	69·0	68·8	68·5	68·5	68·5	68·4	
69·7	69·9	69·5	69·2	68·8	68·4	68·2	67·9	67·6	67·6	67·4	67·0	68·39
71·0	70·7	70·5	70·0	69·7	69·5	68·8	68·5	68·3	68·2	68·0	68·0	68·61
70·0	70·0	70·0	69·2	69·0	68·8	68·5	68·2	68·0	67·7	67·5	67·2	68·66
71·4	71·0	70·6	70·2	69·6	69·0	68·5	68·2	67·6	67·0	66·8	66·5	68·65
71·0	70·5	70·2	69·8	69·2	68·8	68·0	67·7	67·0	66·5	66·1	65·8	68·43
72·8	72·8	72·2	71·6	71·6	71·5	—	—	—	—	—	—	70·00
—	—	—	—	—	—	71·6	71·0	70·5	70·2	70·0	69·8	
76·0	75·8	75·4	75·0	74·0	73·5	72·6	71·8	70·7	70·5	70·2	69·5	72·52
76·4	76·0	75·0	74·4	74·0	73·6	73·2	72·8	72·0	71·2	70·5	70·0	72·77
72·8	72·8	72·2	71·9	71·5	71·3	70·8	70·4	70·0	69·2	69·0	68·0	71·01
73·0	73·0	72·8	72·8	73·0	72·4	72·0	71·2	70·7	70·5	70·1	70·0	70·74
75·4	75·0	74·6	74·3	74·0	73·6	73·0	72·6	72·3	72·0	71·6	71·6	72·87
68·6	68·0	67·0	66·4	66·0	65·2	—	—	—	—	—	—	67·03
—	—	—	—	—	—	59·2	58·8	58·4	58·0	57·5	57·0	
59·7	59·1	58·9	58·5	58·2	58·0	57·5	57·5	57·0	56·7	56·5	56·3	58·22
58·3	58·4	58·2	58·0	57·5	57·3	57·0	56·6	56·2	56·0	55·7	55·4	56·85
55·5	55·4	55·2	55·0	54·8	54·6	54·4	54·0	54·0	53·7	53·5	53·2	54·71
56·4	56·3	55·7	55·4	55·0	54·4	54·1	53·3	52·7	52·2	51·8	51·4	54·32
53·7	55·4	55·0	53·6	53·0	52·5	52·0	51·5	51·2	50·7	50·4	50·2	52·91
53·0	52·8	52·5	52·3	52·0	51·8	—	—	—	—	—	—	51·70
—	—	—	—	—	—	52·5	52·5	52·3	52·0	51·6	51·3	
57·6	56·6	56·0	55·5	54·8	54 0	53·5	53·2	53·2	52·6	52·2	52·0	54·35
67·64	67·35	66·90	66·42	65·96	65·52	64·94	64·52	64·12	63·76	63·44	63·10	65·33

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·000234.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
OCTOBER.	1	504·8	514·8	539·0	528·0	509·7	514·4	521·6	542·7	545·4	543·3	544·8	528·0
	2	556·8	552·5	547·4	542·4	534·8	532·8	526·9	532·7[a]	535·5	551·6	556·5	551·7
	3	546·0	546·5	536·0	535·5	532·3	527·0	534 5	539·7	547·5	547·4	547·2	545·0
	4	548·2	543·1	541·7	534·4	534 3	536·4	538·9	545·2	549·7	552·8	547·8	547·8
	5	550·8	553·1	545·8	543·5	542·6	546·4	549·6	552·2	557·6	549·9[b]	549·1	546·0
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	556·3	557·2	555·7	555·9	553·8	551·1	553·0	560·0	562·3	560·3	561·8	558·0
	8	559·2	555·4	551·4	552·6	554·0	552·8	552·2[c]	552·0	555·7	557·0	558·9	552·0
	9	553·5	553·5	546·3	541·3	537·6	537·0	544·5	545·8	550·0	553·0	553·0	552·4
	10	551·5	545·8	543·8	540·3	530·1	541·1	546·1	553·6	552·3	555·1	554 9	553·0
	11	556·5	555·0	553·0	545·8	544·7	548·6	551·0	551·7	556·5	558·3[d]	558·6	556·9
	12	561·0	558·3	552·3	543·9	541·0	543·9	547·4	548·8	559·0	562·5	563·0	561·8
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	559·7	558·7	551·0	543·4	538·0	537·8	543·5	549·0	554·0	561·8	562·3	559·0
	15	560·2	555·0	548·8	543 0	537·8	538·0	541·6	547·7	554·8	556·7	557·4	557 6
	16	558·3	556·2	552·0	544·4	536·7	533·6	537·7	544·7	550 7	554·0	559·9	560·0
	17	560·0	559·2	555·6	547·1	538·5	534·9	537·0	540·3	545·1	554·0	557·8	559·0
	18	560·8	555·6	554·4	550 2	542·3	545·9	545·8	548·0	554·3	558·5	562·0	565·8
	19	564·0	561·0	557·0	551·0	547·0	546·0	546·9	555·3	563·8	564·0	568·7	565·9
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	550·0	552·5	542·3	537·0	553·5	558·0	559·0	555·3	561·6	552·8	551·8	542·5
	22	559 8	560·0	555·3	550·8	542·0	550·1	549·9	553·4	554·0	555·5	554·0	557·1
	23	559·9	553·4	553·0	537·0	541·9	546·0	547·8	551·7	551·3	558·1	559·9	551·0
	24	556·0	552·3	545·8	541·6	544·8	541·8	544·2	545·7	549 8	551·3	551·8	547·0
	25	558·5	551·5	544·0	542·0	540·0	531·0	534·0	541·5	546·0	527·9	542·0	542·0
	26	555·5	557·5	545·0	540·3	518·4	535·3	536·6	551·5	556·0	538·0	540·4	538·3
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	563·9	565·4	566·5	562·9	554·8	551·8	550·8	555·7	555·0	559·1	562·6	560·7
	29	571·8	571·9	571·5	558·9	553·1	561·0	561·8	563·8	562·4	566·5	573·1	578·0
	30	567·8	583·2	578·0	571·4	563·7	564·8	567·1	570·3	571·5	572·0	572·5	570·2
	31	575·4	574·9	574·8	570·3	570 3	565·9	563·8	558·0	568·1	561·7	568 5	570·7
Hourly Means		556·53	555·69	552·13	546·59	543·25	543·57	545·53	550·23	554·44	554·93	556·71	554·74

TEMPERATURE OF THE BIFILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
OCTOBER.	1	51·5	51·5	52·0	52·7	53·3	54·0	54·6	55·2	55·8	56·8	57·4	58·0
	2	52·0	52·0	53·0	53·3	54·3	55·0	55·5	56·0[a]	56·7	57·0	57·5	58·0
	3	57·2	56·9	57·0	57·5	58·2	58·5	59·2	59·2	59·6	60 8	61·4	61·8
	4	56·6	56·2	56·4	56·6	56·7	57·3	58·1	59·0	59·0	59·5	59·9	60·0
	5	55·6	55·6	55·4	55·1	55·0	55·0	55·4	55·5	55·6	56·0[b]	56·2	56·4
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	51·6	51·4	51·0	50·8	50·8	51·0	52·0	52·4	52·5	52·9	53·0	54·5
	8	48·6	48·4	49·0	49·4	50·5	52·0	53·2[c]	54·2	55·0	56·8	58·0	58·5
	9	56·4	56·6	56·8	57·4	58·0	58·9	59·4	60·0	60·6	61·8	62·4	63·5
	10	57·4	57·3	57·0	57·4	57·5	57·5	57·8	57·9	58·4	58·0	59·0	59·0
	11	52·8	52·8	53·0	53·5	54·0	54·5	54·9	55·6	56·3	57·0[d]	57·7	58·1
	12	51·2	51·0	51·4	51·8	53·2	54·0	54·9	55·5	56·0	56·6	57·4	57·7
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	54·0	53·8	54·0	53·7	54·0	54·5	54·7	55·0	55·0	55·0	55·5	55·5
	15	55·5	55·5	55·5	56·0	56·3	56·5	56·7	56·7	56·8	56·8	56·8	56·9
	16	53·2	52·6	52.6	53·0	53·5	54·0	54·5	55·0	55·4	55·7	55·8	55·3
	17	53 5	53·4	53·2	53·0	53·0	53·0	53·0	53·2	53·5	53·5	53·2	53·5
	18	52·1	52·0	51·5	51·2	51·3	51·5	51·7	52·0	52·0	52·0	52·0	52·2
	19	51·3	51·0	51·0	51·0	50·7	50·9	51·0	51·0	50·8	51·0	50·7	50·8
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	45·5	46·0	46·0	46·5	46·5	47·0	48·0	48·2	48·6	49·4	50·0	50·0
	22	50·4	50·2	50·0	50·0	51·0	51·8	52·6	53·5	53·5	54·6	55·0	55·7
	23	51·4	51·0	50·7	50·7	51·0	51·5	52·2	53·1	53·4	54·7	55·3	56·0
	24	54·0	54·0	54·2	55 2	56·0	56·8	57·0	57·5	58·0	58·6	59·0	59·0
	25	56·5	56·5	57·0	57·0	57·2	57·5	57·7	58·0	58·5	59·0	59·5	59·9
	26	55·6	55·0	54·6	54·6	54·6	55·3	55·4	55·7	55·6	55·6	55·6	55·2
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	45·2	45·0	41·7	44·4	44·4	44·5	44·5	44·9	44·5	44·5	44·5	44·2
	29	42·7	42·5	42·0	42·0	41·3	41·3	42·0	41·6	41·9	42·6	43·2	43·0
	30	43·7	43·6	43·4	43·4	44·0	44·7	45·3	46·0	45·7	46·0	45 9	45·6
	31	44·0	43·5	43·5	44·8	46·0	46·8	47·2	48·2	48·8	49·4	50·0	50·0
Hourly Means		51·83	51·68	51·70	51·93	52·31	52·79	53·28	53·71	53·98	54·50	54·89	55·12

[a] Five minutes late. [b] Two minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = ·000234.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
543·0	542·5	546·3	549·4	548·2	549·8	554·8	550·7	553·8	555·7	556·0	555·5	539·26
548·9	548·4	544·8	543·9	544·0	550·0	549·2	—	546·5*	546·5	547·9	549·5	545·27
549·6	543·8	542·0	543·1	543·6	543·7	546·6	543·5	544·0	543·0	546·5	547·7	542·20
542·7	545·7	546·4	547·3	546·0	544·0	545·0	545·0	547·6	546·4	550·5	550·0	544·87
547·0	550·8	548·5	553·5	546·8	553·0	—	—	—	—	—	—	
—	—	—	—	—	—	551·2	553·8	552·4	551·0	557·9	558·0	550·44
551·0	553·4	551·0	554·8	550·9	561·5	560·5	557·9	559·0	559·0	559·8	561·4	556·90
556·5	555·8	552·6	561·6	552·4	553·0	553·9	554·8	556·0	555·6	553·3	552·5	554·63
546·9	547·0	543·8	544·6	543·0	544·7	544·5	546·8	548·0	546·5	547·3	546·6	546·42
550·5	552·0	551·5	551·0	552·0	551·5	552·0	553·3	554·9	549·6	551·7	552·6	549·60
556·0	554·0	554·6	555·4	550·0	550·8	558·0	558·2	560·1	560·9	561·0	560·6	555·34
560·8	558·4	558·6	558·0	558·3	558·8	—	—	—	—	—	—	
—	—	—	—	—	—	561·2	560·8	561·9	562·0	563·0	560·8	556·90
557·7	556·0	557·8	572·2	547·1	548·6	546·1	552·2	552·3	553·9	559·7	560·0	552·57
555·8	554·4	549·1	555·8	555·2	556·4	555·3	558·8	558·1	558·3	557·5	558·8	553·00
559·2	557·8	553·9	553·5	553·0	553·7	557·5	558·2	559·4	559·6	562·4	560·6	553·21
558·0	559·0	557·0	558·0	556·8	555·8	553·2	555·8	552·8	561·9	566·1	559·2	553·42
567·2	567·5	567·0	566·1	567·7	563·2	563·2	563·0	562·8	564·0	563·3	565·0	559·32
568·1	567·4	566·6	566·0	564·9	563·3	—	—	—	—	—	—	
—	—	—	—	—	—	332·8	485·8	538·2	510·7	529·0	545·0	542·85
550·9	555·5	558·5	566·2	546·8	550·1	551·3	555·7	556·0	555·0	558·5	559·6	553·35
553·1	555·8	549·3	539·0	552·5	546·1	549·0	548·6	542·1	554·4	557·2	550·0	551·97
546·0	550·9	545·0	541·8	548·0	547·2	550·6	549·3	554·5	555·0	554·7	556·0	550·04
541·8	537·4	533·9	543·2	545·1	550·3	546·6	550·8	544·1	542·2	544·3	546·3	546·00
527·4	527·6	538·8	533·8	526·7	540·3	535·9	546·0	534·0	553·0	529·5	534·9	538·68
543·6	542·7	536·9	539·5	559·9	551·0	—	—	—	—	—	—	
—	—	—	—	—	—	552·9	552·0	557·5	561·0	562·0	566·4	548·68
571·4	564·7	564·9	565·0	550·0	565·0	567·0	563·6	567·9	569·8	572·5	569·9	562·79
569·0	573·3	571·9	575·9	579·1	574·4	569·1	571·8	570·6	573·4	571·5	572·0	569·45
572·2	566·1	568·3	567·8	568·6	571·3	569·1	573·7	576·0	572·9	574·0	575·5	571·17
568·5	568·0	566·0	567·8	567·8	567·9	—	570·9	570·0	569·1	550·0	530·0	566·02
553·93	553·96	552·78	553·86	553·20	554·50	545·25	553·12	554·83	555·20	555·82	555·94	552·37

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
57·4	58·0											
57·6	57·2	56·9	56·2	55·6	55·3	55·0	54·2	53·6	53·0	52·5	52·3	54·07
58·4	58·5	58·4	58·4	58·4	58·4	58·2	—	58·0*	58·0	57·8	57·5	56·53
57·5	58·0											
61·2	61·0	60·5	59·7	59·2	58·8	58·5	58·2	58·0	57·5	57·0	56·7	58·90
61·4	61·8											
59·5	59·4	59·2	58·5	58·2	57·5	57·2	57·0	56·6	56·2	56·2	55·9	57·78
59·9	60·0											
56·2	56·4	56·0	55·6	55·5	55·3	—	—	—	—	—	—	
—	—	—	—	—	—	54·0	53·6	53·2	52·8	52·4	52·0	54·97
53·0	54·5											
53·8	53·4	52·6	52·3	52·0	51·6	51·0	50·5	50·2	50·0	49·0	51·86	
58·0	58·5											
57·9	57 9	57·5	57 0	57·0	57·0	57·0	56·3	56·0	55·8	56·4	54·10	
62·4	63·5											
62·6	62·0	61·3	60·5	59·5	59·2	59·0	59·0	58·5	58·0	57·5	59·64	
59·0	59·0											
57·8	57·5	57·0	56·5	56·0	55·5	55·2	54·6	54·5	54·0	53 4	56·86	
57·7	58·1											
57·2	56·6	56·2	55·6	55·3	54·4	54·0	53·0	52·5	51·8	51·5	54·85	
57·4	57·7											
56·6	56·2	56·0	56·2	56·2	—	—	—	—	—	—		
—	—	—	—	—	—	54·0	54·0	54 0	54·0	54·0	54·1	54·73
55·7	55·5											
56·0	56·3	56·4	56 2	56·1	56·1	56·3	56·5	56·2	55·9	55·6	55·33	
56·8	56·9											
56·0	55·8	55·2	55·0	54·8	54·5	54·5	54·2	54·0	53·5	53·4	55·56	
55·3	55·3											
54·8	54·7	54·5	54·5	54·2	54·0	53·8	53·6	53·6	54 1	54·0	54·23	
53·6	54·0	53·8	53·8	53·6	53·7	53·5	53·2	53·2	53·0	52·7	53 36	
52·0	52·0	52·0	52·2	52·5	53·0	53·0	53 0	52·5	52·1	51·5	52·06	
50·7	50·6											
50·0	49·5	49·0	48·8	48·4	—	—	—	—	—	—	49·06	
—	—	—	—	—	45·0	44·4	45·5	45·0	45·0	45·0		
50·0	50·0											
50·2	50·2	50·3	50 5	50·6	50·7	50·5	50·3	50·0	50·0	50·0	48·96	
55·0	55·7											
55·5	55·0	54·3	53·8	53·5	53·0	52·7	52·4	52·2	52·0	52·0	51·8	52·77
55·3	56·0											
56·4	56·5	56·3	56·1	56·2	56·5	56·5	56·0	55 0	54 6	54·6	54·3	54·17
59·0	59·0											
58·6	58·0	57·8	57·0	56·5	56·9	57·0	57·0	56·8	56·8	56·6	50·5	56·87
59·5	59·9											
59·0	58·8	58·5	58·0	57·8	57·5	57·2	56 9	56·5	56 0	55 8	55·6	57·58
55·6	55·2											
55·7	55·7	55·5	55·5	55·0	55·0	—	—	—	—	—	—	
—	—	—	—	—	—	46·0	46·0	46·0	45·5	45·5	45·2	52 89
44·5	44·2											
41·0	43·6	43·5	43·5	43·4	43 4	43·4	43·2	43·0	43·0	43·2	43 0	43·98
43·2	43·0											
43·3	43·6	44·0	44·1	44·1	43 6	43·8	44·0	44·0	43·8	43·5	43 5	42·98
45 9	45·6											
45·9	45·6	45·9	46·1	46·2	46·2	45·8	45·5	45·5	45·0	45·0	44·5	45·19
50·0	50·0											
50·1	49·5	49·0	48·2	47·5	47·0	—	46·5	46·5	46·0	45·7	45·2	47·10
51·97	54·70	54·52	54·17	53·94	53·73	53·22	52·56	52·53	52·24	52·04	51·78	53·25

HORIZONTAL FORCE.

One Scale Division = ·000087 parte of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = ·000234.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
NOVEMBER.	1	574·0	571·8	572·8	568·9	569·2	568·3	570·5	554·9	563·1	569·7	570·0	562·4
	2	569·9	565·6	564·8	562·1	560·5	558·0	569·5	557·6	560·6	572·8	560·5	543·5
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	569·7	564·7	569·9	557·8	552·2	553·9	558·0	557·7	560·4	555·6	550·7	561·0
	5	565·6	565·8	562·5	558·5	556·9	557·1	556·7	560·8	563·4	566·2	560·0	568·0
	6	564·5	565·0	564·8	562·0	561·0	558·5	554·8	559·5	568·7	565·9	567·9	563·3
	7	565·9	561·5	556·6	556·9	550·7	556·6	554·4	557·8	561·4	562·9	562·9	560·7
	8	564·5	564·5	559·0	553·8	551·8	553·0	554·9	561·1	565·6	565·3	564·6	567·0
	9	570·8	568·3	563·6	558·2	555·1	556·4	562·4	568·0	574·0	579·5	578·0	573·9
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	561·4	576·9	571·0	572·5	568·5	556·6	561·8	562·0	569·5	560·9	556·2	556·9
	12	566·0	567·0	565·0	560·0	545·5	543·0	558·8	565·5	563·0	561 2	563·0	559·7
	13	565·0	564·6	560·1	557·0	555·5	552·9	553·9	555·5	558·0	563·6	563·0	562·6
	14	571·9	577·8	572·6	568·4	562·0	557·9	561·2	561·8	566·4	569·9	570·2	570·3
	15	573·5	573·3	570·0	565·2	561·6	561·2	561·5	565·0	567·0	572·4	576·0	578·3
	16	552·5	536·5	565·0	543·5	510·0	541·9	512·8	519·8	530·3	544·0	547·7	546·7
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	557·0	572·9	567·0	568·0	561·0	557·2	559·0	564·2	558·8	555·9	539·0	557·7
	19	555·9	578·0	563·7	556·8	551·7	554·1	558·0	559·0	564·8	563·0	563·0	564·8
	20	570·9	570·0	571·5	565·3	560·5	559·0	559·3	563·0	570·2	567·9	563·6	566·0
	21	570·0	569·5	568·3	561·6	560·5	560·9	561·3	562·9	563·4	560·6	568·2	564·8
	22	575·6	575·5	567·0	565·0	562·7	555·0	540·9	546·3	538·5	550·2	557·2	534·6
	23	548·6	560·7	557·7	554 8	549·1	545·0	548·1	537·0	554·9	561·0	555·9	559·8
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	580·2	584·7	584·0	580·4	574·8	572·6	572·7	573·7	581·5	584·0	585·1	583·4
	26	585·5	583·9	583·2	581·2	580·0	577·9	576·0	578·3	581·6	584·4*	580·1	585·4
	27	584·7	583·0	587·9	584·4	580 5	577·1	575·7	579·0	583·4	580·4	592·0	584·7
	28	592·8	587·6	584·2	592·5	586·8	573·0	573·6	571·0	579·6	583·6	587·1	583·4
	29	584·5	585·3	583·0	579·5	569·8	571·8	568·0	568 2	571·4	573·6	578·6	578·6
	30	572·9	573·2	571·3	568·4	565·0	561·5	560·8	562·1	565·1	571·0	574·5	576·3
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		569·76	571·06	569·48	565·49	560 57	559·25	559·41	560·57	564·79	567·71	567·19	566·02

TEMPERATURE OF THE BIFILAR MAGNET.

		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		°	°	°	°	°	°	°	°	°	°	°	°
NOVEMBER.	1	45·0	44·6	44·2	44·8	46·0	47·1	48·4	49·4	49·8	50·0	50 0	50·0
	2	49·4	49·7	49·7	50·4	50·8	51·5	52·1	52·5	52·9	53·5	54·2	54·4
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	49·3	49·2	49·0	49 0	49·0	49·5	50·0	50·4	50·5	51·0	51·0	50·5
	5	49·0	48·7	48·7	49·0	49·7	50·0	50·3	51·3	51·6	52·5	53·0	52·6
	6	49·5	49·0	49·0	49·5	50·0	50·0	50·0	50·4	50·6	51·5	52·6	52·7
	7	49·8	49·7	49·7	49·8	50·6	51·5	52·5	53·5	53·9	53·9	53·9	54·0
	8	51·3	51·0	50·3	50·5	50·7	50·8	50·9	51·0	51·0	51·0	50·9	50·8
	9	47·6	47·5	47·0	47·0	47·0	47·4	47·6	48·3	48·5	48·5	50·0	49·6
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	47·6	47·6	47·5	47·4	47·5	48·0	48·2	48·6	49·0	49·0	49·0	49·3
	12	49·6	49·5	49·5	49·2	49·4	50·0	50·5	50·8	51·0	51·4	51·8	51·8
	13	51·2	50·2	50·0	50·2	50·0	49·8	49·4	49·0	49·0	49·0	49·4	49·5
	14	45·1	45·0	45·0	45 4	46·0	46·5	46·9	47·2	47·2	48·1	48·4	48·2
	15	47·0	47·0	47·0	47·2	47·2	47·4	47·0	47·5	47·9	48·3	48·4	48·8
	16	46 7	46·7	46·2	46·7	47·4	48·4	49·4	50·0	50·3	51·0	51·4	51·0
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	44·7	44·5	44·5	44·2	44·5	44·6	45·0	45·4	45·4	45·4	45·4	45·2
	19	42 8	42·6	42·6	42·8	43·0	43·4	43·5	43·7	44·2	44·8	45·4	45·5
	20	44·3	44·6	44·8	44·6	45·0	46·0	46·5	47·2	48·0	49·0	49·6	49·5
	21	45·0	44·8	44·8	45·1	46·2	47·1	47·9	48·8	49·2	49 6	49·9	50·0
	22	47·8	47·2	47·5	47·5	48·0	48·5	49·0	49·2	49·1	49·4	49·5	49·0
	23	49·8	49·8	49·6	49·6	49·2	49·5	49·6	50·0	50 0	50·4	50·5	50·2
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	36·4	37·0	36·2	36·4	36·8	36·7	37·2	38·4	37·8	38·9	38·9	39·0
	26	37·9	38·0	37·6	37·0	37·0	37·4	37·7	38·2	38·4	39·2*	39·6	39·6
	27	38·8	38·8	38·2	37·8	38·5	39·0	39·5	40·1	40·3	41·0	41·0	41·2
	28	36·7	37·1	37·2	37·0	37·0	37·3	37·0	38·2	38·6	38·2	38·2	39·0
	29	40·0	40·0	40·0	40·0	41·6	42·0	42·4	43·4	43·7	44·3	44·6	44·5
	30	48·6	48·2	47·5	47·5	47·7	48·2	48·2	48·4	48·6	49·0	49·0	49·0
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		45·80	45·69	45·51	45·60	45·99	46·45	46·80	47·34	47·56	48·00	48·29	48·27

* Seven minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah^t. = ·000234.

12^h.	13^h.	14^h.	15^h.	16^h.	17^h.	18^h.	19^h.	20^h.	21^h.	22^h.	23^h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
567·5	565·8	565·4	570·7	570·0	574·0	568·0	563·5	563·3	565·5	556·0	563·6	567·04
555·5	560·4	540·3	558·5	557·7	549·0	—	—	—	—	—	—	560·19
—	—	—	—	—	—	560·6	552 3	562·0	565·6	565·1	566·2	
564·4	546·3	563·0	565·5	566·1	564·6	563·4	565·1	563·4	562·8	566·4	565·9	561·19
563·8	565·7	562·5	555·8	567·7	555·9	563·0	568·1	566·8	566·8	566·7	567·0	563·22
566·0	565·2	566·0	564·9	564·0	563·3	565·1	562·2	563·5	565·5	565·6	567·0	564·02
564·0	564·4	563·3	563·0	562·3	561·0	561·0	561·0	564·4	563·7	566·2	567·9	561·52
567·8	566·0	560·2	566·2	566·2	566·8	566·9	567·5	566·7	569·0	570·3	569·8	563·94
562·1	571·0	571·8	572 6	570·8	572·0	—	—	—	—	—	—	567·85
—	—	—	—	—	—	568·2	565·8	565·2	561·3	563·9	570·5	
555·5	549·0	544·9	554·4	556·6	557·6	557·8	560·9	560·6	561·9	563·0	565·5	560·91
560·9	550·2	559·0	558·6	556·5	558·0	550·6	560·0	557·7	556·3	557·5	563·1	558·59
558·0	555·7	563·0	561·0	560·1	559·8	562·0	564·6	556·4	570·2	574·8	575·5	561·37
571·0	571·0	570·7	568·9	568·4	568·9	566·2	567·5	567·8	570·6	569·8	574·5	568·57
573·0	576·2	575·1	571·3	575·6	575·2	576·2	570·3	562·3	534·8	562·1	562·0	568·39
542·0	537·5	531·1	535·9	539·8	538·7	—	—	—	—	—	—	543·89
—	—	—	—	—	—	557·3	569·7	564·6	565·9	563·2	557·0	
568·7	565·7	565·0	561·8	558·3	558·7	558·3	556·5	570·5	564·7	567·5	560·6	561·39
563·5	558·4	567·9	568·0	569·0	568·0	566·5	567·6	568·0	568·6	569·0	571·2	564·19
564 8	562·5	561·5	562·6	563·2	563·2	566·0	569·7*	568·0	564·2	565·6	568·5	565·29
567·2	565·5	564·1	560·6	562·6	558·3	564·0	563·2	564·0	559·6	528*7	552·5	562·39
535·6	539·3	535·6	542·5	565·0	554·7	551·8	548·6	543·0	539·0	557·5	563·1	551·84
559·9	561·4	560·1	561·1	561·4	555·2	—	—	—	—	—	—	561·48
—	—	—	—	—	—	578·1	580·0	578·0	582·0	581·9	583·8	
584·0	581·9	580·8	576·0	576·0	579·0	580·0	580·0	581·2	581·7	589·0	583·8	580·44
585·4	582·0	583·4	579·4	577·7	579·6	578·7	578·7	579·0	580·0	578·6	582·2	581·17
580·4	571·6	570·3	573·6	573·2	568·8	568·0	566·0	565·8	576·0	574·4	570·4	577·64
583·9	578·9	582·0	571·2	578·1	576·5	579·0	574·5	575·0	575·2	582·5	584·5	580·81
580·3	577·5	574·8	575·6	576·1	575·0	574·0	575·0	574·4	574·6	575·0	574·7	575·80
574·6	569·5	570·0	572·0	571·8	571·2	—	—	—	—	—	—	570·62
—	—	—	—	—	—	574·9	575·7	576·0	571·2	571·3	574·4	
566·49	563·79	563·76	564·64	565·93	564·35	566·37	566·09	566·45	566·03	567·48	569·41	565·53

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
50·5	50·5	50·5	50·5	50·2	50·0	50·0	50·0	49·8	49·8	49·9	49·9	48·79
51·0	53·7	53·3	53·0	52·7	52·5	—	—	—	—	—	—	
—	—	—	—	—	—	48·6	48·8	49·4	49·6	49·6	49·4	51·49
50·5	50·5	50·5	50·4	50·6	50·6	50·6	50·5	50·2	49·8	49·4	49·2	50·05
52·2	52·0	52·0	51·4	50·7	50·6	50·4	50 2	50·0	49·8	49·8	49·5	50·63
52·5	52·0	52·0	51 4	51·0	50·4	50·0	49·6	49·5	49·5	49·5	49·6	50·49
53·7	53·6	53·4	53·4	53·4	53·2	53·0	52·7	52·6	52·6	52·6	52·5	52·48
50·8	50·8	50·4	50·2	49·8	49·8	49·5	49·2	49·1	48·7	48·5	47·7	50·20
49·5	49 2	48·8	48·5	48·2	48·2	—	—	—	—	—	—	47·91
—	—	—	—	—	—	46·5	46·6	47·0	47·0	47·0	47·4	
49·4	49·4	49·6	49·6	49·5	49·6	49·5	49·7	49·9	50·1	50·1	50·1	48·97
51·8	51·8	51·9	52·0	52·0	52·2	52·2	52·0	52·0	51·5	51·3	51·2	51·10
49·2	48·9	48·7	48·0	48·0	47·5	47·3	47·2	46·5	46·2	46·2	45·6	48·58
48·5	48·7	48·5	48·2	47·8	47·4	47·2	47·0	46·9	46·5	46·4	47·0	47·05
49 0	49·2	49·2	48·4	48·0	48·0	47·8	47·1	47·0	47·0	47·0	46·7	47·71
51·0	50·6	50·2	49·9	49·6	49·4	—	—	—	—	—	—	48·39
—	—	—	—	—	—	46·6	46·5	46·0	45·8	45·5	45·0	
44·8	44·5	44·0	44·0	44·0	44·0	44·2	44·0	41·0	44·0	42·8	43·0	44·42
45·3	45·0	45·0	45·0	45·0	45·0	45·0	45·0	45·0	45·0	44·9	44·5	44·33
49·5	49·0	49·0	48·7	48·2	47·6	47·4	47·2*	46·5	46·4	46·1	45·5	47·09
49·6	49·6	49·0	48·5	48·2	48·2	47·9	47·6	47·9	47·8	47·8	47·8	47·85
49·0	49·0	49·3	49·5	49·5	49·5	49·6	49·7	49·8	49·8	49·8	49·8	49·00
50·1	49·7	49·0	48·7	48·2	47·6	—	—	—	—	—	—	46·37
—	—	—	—	—	—	37·0	37·0	37·0	37·0	37·0	36·5	
39·0	39·0	39·4	39·1	38·9	38·7	38·5	38·3	37·8	37·7	37·8	37·8	37·99
40·1	40·6	41·0	40·8	40·4	40·4	39·8	39·2	39·2	39·2	39·2	38·7	39·01
40 6	39·5	40·0	39·2	38·4	39·0	38·8	38·2	37·8	37·2	37·0	36·6	39·02
39·0	39·5	38·6	38·0	37·6	37·6	37·8	38·4	38·5	38·8	39·0	39·2	38·06
44·8	45·0	45·2	45·5	46·0	46 5	47·0	47·0	47·0	47 5	47·4	48·5	44·33
49·0	49·0	48·8	49·0	49·5	50·0	—	—	—	—	—	—	47·47
—	—	—	—	—	—	44·8	44·5	44·0	43·8	43·5	43·4	
48·21	48·09	47·97	47·73	47·52	47·44	46·42	46·28	46·17	46·08	45·97	45·85	46·88

* Three minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·000234.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
DECEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	579·1	576·6	578·4	577·5	572·2	565·5	559·7	569·7	576·5	579·2	579·9	579·4
	3	578·1	578·0	576·7	576·5	575·0	572·0	571·0	571·6	573·3	577·9	578·0	575·0
	4	587·7	580·9	580·3	587·0	583·0	580·6	570·5	572·0	565·6	567·8	570·5	564·6
	5	572·5	572·0	573·0	570·6	571·4	568·5	569·6	571·3	572·1	570·9	575·9	576·5
	6	572·4	571·5	572·1	570·7	569·4	569·7	568·8	566·5	569·8	571·9	576·8	576·4
	7	574·6	574·2	572·9	573·0	573·0	565·8	562·8	562·7	564·7	569·1	572·0	571·0
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	587·2	586·2	585·2	586·2	587·0	586·0	586·7	586·0	590·2	591·0	590·1	589·6
	10	585·8	583·1	581·8	578·1	572·8	574·5[a]	576·4	581·7	582·4	585·0	584·5	582·5
	11	589·5	587·5	583·0	583·5	587·6	587·7	584·6	581·8	582·3	580·9	583·4	583·3
	12	585·6	583·0	582·8	580·8	574·0	571·9	572·6	577·0	583·4	583·2[b]	583·0	579·9
	13	579·9	579·8	576·4	576·3	572·4	574·0	569·0	570·5	572·8	576·3	579·6	580·1
	14	583·8	584·8	583·3	581·3	572 8	565·5	547·5	556·5	566·5	566·5	572·0	573·1
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	585·4	586·2	586·2	585·5	579·5	554·5	563·5	569·6	575·0	574·0	580·0	583·6
	17	586·7	588·5	588·0	586·7	584·0	580·3	581·5	579·0	577·6	581·3	587·4	588·7
	18	591·0	591·7	592·8	592·6	591·7	588 8	586·1	584·8	589·0	591·5	594·7	594·0
	19	585·9	590·4	589·0	586·9	574·5	571·6	572·3	583·5	580·8	580·5	585·0	586·3
	20	592·0	578·5	581·9	580·9	571·2	572·4	571·8	580·1	577·8	558·8	582·5	585·8
	21	600·3	597·6	595·3	588·4	554·5	572·0	578·5	580·3	582·5	583·8	582·7	580·8
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	581·5	584·8	582·5	581·0	577·0	575·8	577 0	577·0	578·8	578·4	580·5	584·1
	24	585·8	585·0	587·4	586·2	580·9	579·1	578·1	579·7	581·2	583 6	582·9	581·1
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	568·0	583·5	582·4	583·2	576·8	563·7	569·7	569·7	566·0	566·0	577·7	578·1
	27	581·1	582·2	582·7	577·5	575·2	567·3	570·5	575·9	582·2	585·5	584·5	583·5
	28	584·9	580·7	576·7	581·6	578 0	569·5	570·5	576·5	584·0	588·4	591·0	589·9
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	573·2	575·4	565·8	565·3	560·9	562·5[f]	551 6	552·2	565·3	571·6	563·2	574·5
	31	569·8	574·9	564·5	557·2	549 1	553·9	555·9	557·0	563·4	574·8	576·2	570·6
Hourly Means		582·59	582·28	580·84	579·78	574·56	571·70	570·65	573·39	576·13	577·52	580·56	579·78

TEMPERATURE OF THE PUPILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
DECEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	43·2	43·0	43·0	43 6	43·8	43·9	44·4	45·2	46·2	47·2	47·5	47·0
	3	44·0	43·7	43·7	44·0	44·6	45·5	46·4	47·0	47·4	47·9	48·0	47·0
	4	45·4	45·6	45·6	45·6	46·5	47·0	47·5	47·6	47·8	47·3	47 8	47·8
	5	46·5	46·4	46·4	46·4	45·8	46·4	46·3	46·7	46·7	46·4	46·2	46·0
	6	47·0	46·6	46·8	46·0	45·9	46·4	46·8	46·8	46·5	47·0	47·0	46·7
	7	48·6	49·0	49·2	49·5	50·8	51·2	51·2	51·5	51·0	50·5	49·7	49·0
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	37·0	37·0	37·0	37·2	38·0	38·5	39·5	40·6	41·8	43·0	44·0	43 6
	10	42·0	42·2	41·5	41·0	41·0	41·5[e]	42·0	42·0	42·6	42·6	42·8	43·0
	11	42·5	43·0	43·0	42·6	42·8	41·1	43 1	43·8	44·2	44·6	45·2	45·0
	12	43·8	43·8	43·4	42·8	42·7	43·4	43·8	44·4	45·0	46·0[b]	46·5	46·5
	13	46·6	46·5	46·3	45·8	45·6	45·5	45·7	46·5	46·1	46·5	47·0	46·6
	14	46·6	46·3	46·0	45·7	46·0	45·0	46·0	46·5	46·5	46·9	47·0	46·5
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	37·5	37·.	37·0	37 0	37·0	37·2	37·5	38·0	38·7	39·8	39·8	39·5
	17	36·0	35·8	35·5	35·5	35·6	36·4	36·8	37·7	38·4	38·8	39·2	39·0
	18	34·4	33·7	33·4	33·2	33·4	34·4	34·8	35·0	35·4	36·0	37·0	37·5
	19	41·2	41·6	41·8	41·3	41·0	41·0	40·8	41·8	41·8	41·6	41·5	40·7
	20	36·8	36·4	35·8	35·6	36·0	36·7	37·4	37·0	37·0	37·8	37 8	36·5
	21	36·0	35·7	35·8	36·5	36·5	36·0	36·5	36·7	37·0	38·6	39·0	39·7
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	41·5	41·4	41·0	41·2	40·6	41·0	40·6	40·8	41·0	40·0	39·0	39·2
	24	40·8	41 0	41·0	40·4	40·2	40·4	41·6	42·5	42·6	43·0	43·0	44·1
	25[d]	—	—	—	—	—	—	—	—	—	—	—	—
	26	43 6	43·6	44·4	44·6	44·6	45·2	45·7	46·5	46·5	47·2	47·5	47·0
	27	41·8	41·2	40·4	39·8	39·5	39·7	40·0	40·5	41·2	41·7	42·2	41·5
	28	37·0	37·0	36·4	36·2	36·7	37·6	38·5	40·0	40·5	41·0	41·4	41·3
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	38·7	39·5	40·0	40·8	41·4	41·4[f]	41·8	42 0	42·0	42·0	42·6	42·5
	31	42·5	42·8	42·8	43·0	43·0	43·3	43·5	43·5	43·5	44·0	44·5	43·8
Hourly Means		41·64	41·60	41·49	41·41	41·56	41·95	42·33	42·82	43·10	43·50	43·73	43·49

[a] Ten minutes late. [b] Four minutes late. [c] Three minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·000234.

12^{h}.	13^{h}.	14^{h}.	15^{h}.	16^{h}.	17^{h}.	18^{h}.	19^{h}.	20^{h}.	21^{h}.	22^{h}.	23^{h}.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
—	—	—	—	—	—	—	—	—	—	—	—	—
576·8	577·4	575·0	568·0	573·6	573·7	574·0	572·8	573·0	576·2	576·5	575·7	574·43
576·0	573·7	575·2	576·7	576·2	573·7	574·2	573·8	575·7	575·3	576·0	582·4	575·50
564·2	569·2	568·2	554·7	557·0	554·0	561·0	567·0	568·0	567·3	566·1	570·0	569·88
575·4	572·8	573·6	575·0	573·0	573·0	572·3	572·0	573·0	573·0	573·0	572·7	572·63
575·7	574·9	576·0	574·5	573·0	574·0	572·5	572·6	573·0	572·4	573·8	574·2	572·58
573·0	574·0	572·5	570·8	572·7	572·4	—	—	—	—	—	—	574·79
—	—	—	—	—	—	586·9	587·2	586·8	587·7	587·2	588·0	
588·0	587·8	583·0	575·8	564·5	570·2	566·0	572·8	571·6	576·0	578·0	578·3	581·91
582·0	582·8	581·3	580·0	580·3	580·5	481·1	582·1	585·0	582·6	585·0	587·5	581·63
583·6	581·2	579·7	576·0	577·6	579·3	579·5	578·8	582·0	581·0	585·5	584·6	582·68
578·9	577·6	575·6	573·5	570·1	568·8	572·3	575·0	572·6	572·9	577·0	579·6	577·13
579·5	578·0	577·0	575·8	574·0	574·7	574·6	576·2	578·6	579·0	579·7	581·8	576·50
568·0	560·7	558·6	565·9	545·5	552·9	—	—	—	—	—	—	568·58
—	—	—	—	—	—	573·4	567·2	564·7	574·3	577·0	581·7	
580·8	586·8	583·2	581·2	580·8	579·8	582·3	581·3	582·6	581·7	584·7	587·0	579·80
569·3	587·6	587·6	584·9	583·4	584·6	582·8	579·0	573·8	576·8	575·6	590·0	583·55
585·5	589·0	593·4	587·6	587·5	584·0	585·8	583·6	500·2	583·7	578·9	584·9	588·49
578·5	579·5	579·2	578·0	578·7	579·1	570·4	578·8	578·8	579·8	584·0	588·6	580·00
581·8	571·6	579·9	575·0	576·1	576·2	582·9	580·8	583·2	584·0	585·7	577·4	578·80
587·3	587·3	581·9	582·7	580·8	580·0	—	—	—	—	—	—	582·78
—	—	—	—	—	—	580·0	580·5	579·1	580·5	583·4	583·5	
581·8	582·1	582·8	583·1	580·2	582·2	584·4	582·8	584·2	585·6	586·0	586·4	581·79
580·7	581·0	179·9	577·5	578·0	578·0	—	—	—	—	—	—	580·69
—	—	—	—	—	—	580·5[e]	580·0	580·9	578·0	573·5	577·5	
578·7	578·1	578 6	578·0	574·8	567·3	558·4	567·4	670·0	574·8	578·0	578·6	573·65
580·6	582·0	575·6	576·0	577·6	582·3	581·0	579·2	580·3	582·4	583·6	582·5	579·61
587·6	587·8	585·0	586·8	585·1	585·0	—	—	—	—	—	—	579·88
—	—	—	—	—	—	573·8	575·4	568·6	570·0	571·0	570·2	
566·8	572·5	568·5	566·0	571·5	682·0	578·0	569·1	570·8	573·1	566·4	560·3	567·77
575·6	575·0	576·7	571·5	569·3	574·2	572·4	567·4	570·2	572·5	573 6	576·0	568·40
579·18	578·82	578·04	575·80	574·45	575·28	576·02	576·11	576·67	577·62	578·37	579·98	577·33

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
—	—	—	—	—	—	—	—	—	—	—	—	—
46·7	46·5	46·0	45·4	45·2	46·0	45·2	45·2	45·0	44·7	44·6	44·4	45·12
47·0	47·4	47·0	46·0	45·8	45·6	46·0	46·0	45·5	45·3	45·4	45·3	45·90
47·6	47·8	47·6	47·0	47·0	47·0	47·0	46·5	46·5	46·6	46·6	46·6	46·89
46·0	46·0	45·8	45·8	46·3	46·7	47·0	47·0	47·0	47·0	47·0	47 0	46·45
46·5	46·2	46·2	46·7	47·4	47·5	47·9	47·9	48·0	48·0	48·0	48·4	47·01
49·0	48·6	48·3	47·4	46·3	45·6	—	—	—	—	—	—	46·22
—	—	—	—	—	—	36·6	36·8	37·0	37·4	37·6	37·2	
43·4	43·4	43·0	42·4	42·4	42·6	42·6	42·0	41·7	41·5	41·7	41·7	41·07
42·6	42·2	42·2	41·8	41·4	41·5	41·5	4'·4	41·3	41·4	41·7	42·0	41·88
45·0	44·5	44·4	44·1	44·0	43·7	43·8	44·0	44·0	44·0	44·5	44·5	43·89
46·2	46·0	45·8	45·6	45·6	46·2	46·4	46·4	46·9	46·9	46·4	46·4	45·29
47·2	47·2	47·0	46·6	46·2	46·4	46·2	46·6	46·8	47·0	47·0	46·8	46·49
46·4	46·0	45·7	45·2	45·0	45·2	—	—	—	—	—	—	44·00
—	—	—	—	—	—	38·0	37·8	37·6	37·7	37·8	37·7	
39·0	38·4	38·1	37·8	37·2	37·0	36·8	36·5	36·5	36·4	36·4	36·4	37·61
38·8	38·4	38·0	37·3	37·0	37·2	37·2	36·8	36·4	36·0	35·5	35·0	37·01
39·0	39·2	40·0	40·7	41·5	40·8	41·0	40·8	40·8	41·0	41·2	41·0	37·72
40·5	40·4	39·9	38·0	38·6	38·8	38·6	38·4	37·6	37·2	37·2	37·0	39·93
36·5	36·7	36·0	36·4	36·4	36·6	37·2	36·9	37·4	37·3	37·0	36·0	36·72
40·3	40·6	40·6	40·5	40·5	40·4	—	—	—	—	—	—	38·79
—	—	—	—	—	—	40·3	40·3	40·3	40·7	41·0	41·5	
39·0	38·2	38·0	37·8	38·0	38·7	38·8	39·4	39·8	40·2	40·5	40·6	39·85
44·4	44·4	44·3	44·4	44·4	44·4	—	—	—	—	—	—	42·69
—	—	—	—	—	—	42·2[f]	42·5	42·7	43·1	43·5	43·7	
46·5	46·0	45·3	44·9	44·5	44·5	44·5	44·7	44·0	44·0	43·0	42·4	45·03
42·0	41·8	41·6	41·2	41·2	39·8	39·0	38·8	37·8	37·8	37·6	37·4	40·24
41·3	41·0	41·0	4ı·0	40·5	40·3	—	—	—	—	—	—	38·77
—	—	—	—	—	—	36·6	36·8	36·6	36·6	37·2	37·9	
42·9	43·0	43·0	42·6	42·8	42·6	42·2	42·4	42·4	42·6	42·8	42·8	41·95
43·6	43·6	43·7	43·8	43·6	43·6	43·5	43·5	43·2	43·5	43·6	44·0	43·47
43·50	43·34	43·14	42·82	42·75	42·75	41 84	41·82	41·71	41·76	41·79	41·75	42·40

[d] Christmas-day. [e] Twelve minutes late. [f] Seven minutes late.

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00007.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
FEBRUARY.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8[a]	—	—	—	—	—	—	—	—	—	—	—[a]	130·5
	9	131·6	133·4	137·7	132·2	132·5	136·8	139·0	137·7	138·9[b]	138·8	137·5	137·6
	10	139·0	139·0	139·0	139·0	138·6	137·1	137·2	135·7	135·1	134·9	136·1	136·4
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	135·7	137·2	138·2	133·7	133·5	131·9	130·8[b]	129·3	128·7	127·5	125·9	125·8
	13	128·3	128·2	128·3	127·0	125·3	124·2	123·1	123·1	122·2	122·3	121·8	123·2
	14	125·7	125·7	127·6	126·8	126·9	126·1	125·1	124·5	124·4	124·0	122·5	122·1
	15	128·7	128·1	129·3	128·4	127·5	127·5	127·5	126·2	126·8	126·7	126·7	126·7
	16	124·2	124·2	124·8	124·3	122·8	121·6	121·6	120·7	121·2	121·2	120·7	120·6
	17	127·3	126·4	127·5	125·7	124·3	124·3	124·9	126·0	126·1	126·6	126·3	128·0
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	139·5	138·4	136·0	125·4	128·4	127·9	127·7	127·8	127·3	126·1	123·7	121·8
	20	125·0	126·5	125·3	123·0	120·3	119·6	118·9	118·9	118·4	117·7	116·2	114·6
	21	117·1	116·7	117·3	106·4	111·6	111·5	111·9	112·3	112·3	112·3	111·0	110·4
	22	116·2	117·6	115·9	114·0	112·7	110·5[c]	111·4	112·2	112·2	110·4	109·2	108·8
	23	115·8	117·5	119·4	120·2	120·2	120·2	120·2	122·5	123·4	123·7	123·3	123·3
	24	122·1	123·3	126·9	124·8	124·8	123·8	123·6	122·0	121·9	121·4	121·9	121·7
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	134·1	135·1	134·3	131·4	128·7	129·0	125·1	125·1	125·3	125·0	125·2	125·2
	27	125·4	125·4	127·7	124·4	124·8	124·8	124·8	125·7	126·4	126·7	126·7	125·9
	28	128·5	127·9	127·2	124·5	121·1	119·7	118·9	119·5	122·8	121·2	124·5	131·5
	29	124·1	123·4	124·4	123·5	122·4	122·2	122·4	121·1	120·7	119·9	120·4	121·6
Hourly Means		127·13	127·45	128·15	125·26	124·80	124·21	124·12	123·91	124·12	123·86	123·31	123·63

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		°	°	°	°	°	°	°	°	°	°	°	°
FEBRUARY.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8[a]	—	—	—	—	—	—	—	—	—	—	—	43·6
	9	39·2	39·2	39·1	38·6	38·0	38·0	37·9	37·6	37·7[b]	38·1	38·2	38·2
	10	37·6	37·6	37·3	37·4	37·7	38·1	38·4	39·0	39·8	40·0	40·0	40·2
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	38·4	38·4	38·3	40·0	39·9	40·6	41·6[b]	42·1	42·6	43·4	43·9	44·2
	13	43·1	43·3	43·2	43·2	43·4	44·0	45·1	45·4	45·4	45·8	46·0	45·8
	14	43·8	43·8	43·5	43·5	43·2	43·4	43·6	43·9	44·4	44·7	45·1	45·2
	15	41·5	41·5	41·5	41·2	41·5	42·1	42·6	42·9	43·3	43·3[c]	43·4	43·6
	16	44·8	44·8	44·8	44·8	45·0	45·6	46·0	46·5	46·5	46·5	46·8	47·0
	17	43·5	43·5	42·8	42·8	43·1	43·2	43·2	43·4	43·6	43·7	43·7	42·6
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	36·6	36·6	38·0	40·5	39·9	40·1	40·7	41·4	42·2	43·2	44·0	45·0
	20	43·4	43·4	43·6	41·6	46·0	46·6	47·3	47·8	48·0	48·5	48·9	49·1
	21	47·8	47·8	48·2	52·0	48·7	49·0	49·2	49·3	49·5	49·9	50·3	50·7
	22	48·3	48·1	48·1	48·7	49·1	49·4[c]	49·6	49·6	50·3	51·1	51·8	52·1
	23	48·4	48·0	47·4	47·2	46·9	46·9	46·6	46·2	45·8	45·6	45·3	45·5
	24	44·6	43·9	43·1	44·0	43·6	44·1	44·4	44·6	44·8	45·0	45·3	45·2
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	39·0	39·1	39·1	40·0	40·6	41·9	42·9	43·6	43·9	44·1	44·3	43·9
	27	44·0	43·6	43·4	44·4	43·6	43·6	43·6	43·1	43·3	43·3	43·6	44·2
	28	42·6	42·6	42·9	43·6	44·9	45·9	46·5	46·8	47·1	47·4	48·0	47·4
	29	46·1	46·1	46·2	46·5	46·5	46·9	47·3	47·5	47·6	47·8	47·8	47·9
Hourly Means		42·93	42·85	42·80	43·50	43·42	43·86	44·25	44·48	44·77	45·08	45·35	45·43

[a] Temperature experiments completed. Magnet adjusted.

[b] Not included in the means.

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

12^{h}.	13^{h}.	14^{h}.	15^{h}.	16^{h}.	17^{h}.	18^{h}.	19^{h}.	20^{h}.	21^{h}.	22^{h}.	23^{h}.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
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—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
130·5	130·4	129·3	129·4	131·2	131·2	131·2	132·5	130·2	132·0	133·0	134·6	—
137·8	138·1	138·1	138·9	139·0	139·9	139·4	138·3	138·5	138·1	138·3	139·9	137·42
137·6	134·4	134·8	134·8	135·2	135·4	—	—	—	—	—	—	136·57
—	—	—	—	—	—	137·2	137·1	137·1	135·6	135·7	135·7	
126·4	126·4	127·9	127·7	127·7	127·7	127·5	127·5	128·0	127·8	128·3	128·3	129·56
125·0	124·2	124·2	123·6	123·5	123·5	123·5	124·4	124·2	124·3	126·5	125·7	124·57
122·8	122·9	123·5	123·5	124·1	124·4	125·0	122·8	126·5	128·8	128·7	128·7	125·14
126·0	125·6	124·8	124·7	124·6	125·1	124·8	124·8	124·9	125·0	124·6	124·2	126·22
122·9	123·5	123·5	123·5	124·3	124·3	124·3	124·3	125·0	125·0	125·0	125·0	123·27
129·1	132·4	132·3	132·0	134·0	134·0	—	—	—	—	—	—	131·05
—	—	—	—	—	—	139·2	139·5	139·8	139·8	139·8	139·8	
121·6	122 4	123·7	123·7	123·7	123·7	123·7	123·7	123·9	125·6	125·3	125·3	126·51
114·6	114·3	114·5	115·6	114·5	114·9	115·9	115·8	115·6	115·6	117·1	117·1	117·91
111·4	111·4	112·5	113·0	114·2	114·2	114·8	115·4	113·5	114·0	114·0	116·2	113·14
109·1	110·1	110·6	111·4[d]	111·9	112·1	113·9	114·8	115·1	114·5	114·9	114·9	112·68
120·5	119·9	119·7	119·9	120·5	120·4	120·1	119·3	118·4	118·5	118·8	119·0	120·20
121·7	122·2	122·3	124·3	124·8	127·4	—	—	—	—	—	—	126·61
—	—	—	—	—	—	138·5	136·9	136·9	135·2	135·2	135·1	
125·2	124·3	124·8	125·3	125·9	125·7	125·7	125·5	125·5	126·1	125·7	125·4	126·90
124·9	125·1	125·9	126·6	127·8	126·8	126·9	127·6	128·0	128·6	128·7	128·0	126·40
130·3	125·0	125·0	126·7	127·7	125·1	122·9	120·2	120·5	120·5	122·5	122·5	124·17
120·9	120·2	115·8	118·0	120·2	115·8	114·8	115·8	115·6	115·6	115·4	115·4	119·57
123·77	123·52	123·55	124·07	124·64	124·47	125·45	125·21	125·39	125·48	125·80	125·90	124·88

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

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—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
43·5	43·3	43·2	47·4	43·4	43·0	42·6	42·5	41·8	41·4	40·8	39·3	—
38·0	38·0	37·8	37·7	36·6	36·8	37·0	37·1	37·3	37·3	37·3	37·3	37·83
40·4	40·8	40·2	40·0	39·6	39·4	—	—	—	—	—	—	
—	—	—	—	—	—	39·1	38·7	38·7	38·9	38·9	38·4	39·01
44·0	43·6	43·2	43·4	43·2	43·4	43·6	43·3	43·0	42·6	42·6	43·1	42·18
45·5	45·5	45·6	45·6	45·8	45·6	45·4	45·0	44·6	44·6	44·5	44·3	44·82
45·0	41·9	44·5	44·2	43·8	43·5	43·0	42·6	42·0	41·8	41·9	41·5	43·62
43·6	43·8	44 2	44·4	44·6	44·7	44·7	44·2	44·2	44·3	44·4	44·6	43·34
46·8	46·7	46·4	46·1	45·6	45·4	45·0	44·8	44·2	44·0	43·8	43·5	45·47
41·6	41·0	40·7	40·6	40·5	40·2	—	—	—	—	—	—	
—	—	—	—	—	—	35·8	36·0	36·0	36·3	36·3	36·6	40·86
45·0	45·2	44·7	44·0	43·8	43·6	43·3	43·0	43·0	43·2	43·6	43·8	42·27
49·2	49·3	49·0	48·8	48·8	49·0	49·0	49·0	49·0	48·6	48·7	48·2	47·66
50·3	50·5	50·5	50·3	49·6	48·9	49·8	49·0	48·6	48·4	48·4	48·4	49·38
51·9	51·7	51·1	50·3[d]	50·0	49·3	49·7	49·2	48·8	48·6	48·6	48·5	49·75
46·6	46·8	47·0	47·1	47·1	47·1	47·1	47·1	47·1	46·6	46·4	46·4	46·76
45·5	45·8	45·2	44·5	43·8	43·2	—	—	—	—	—	—	43·01
—	—	—	—	—	—	38·5	38·5	38·8	38·6	38·4	38·9	
44·1	44·2	44·1	44·0	44·0	44·0	44·0	44·2	44·4	44·5	44·5	44·4	43·03
44·4	44·4	44·0	43·8	43·6	43·8	43·7	43·0	42·7	42·6	42·6	42·6	43·54
47·2	46·8	46·6	46·2	46·1	46·9	47·1	47·1	46·9	46·8	46·6	46·2	46·09
48·1	48·6	51·5	50·8	49·6	49·2	49·4	49·6	50·2	50·4	50·5	50·0	48·42
45·40	45·42	45·35	45·10	44·78	44·67	44·18	43·97	43·86	43·78	43·78	43·71	44·28

[c] Five minutes late.

[d] Three minutes late.

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.,	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
MARCH.	1	115·4	115·4	116·2	115·6	114·3	113·2	113·2	113·2	113·2	113·2	112·9	112·8
	2	107·0	107·0	106·1	106·1	111·1	109·8	111·2	112 8	112·7	114·8	127·8	128·7
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	131·9	136 5	135·7	133·9	131·2	133·2	131·2	130·9	134·9	133·8	133·8	130·7
	5	130·1	134·1	134·8	136·4	130·9[a]	126·3	125·8	127·2	130·3	130·2	131·7	136·9
	6	117·9	122·6	121·9	119 0	116·7	117·4	117·7	117·3	117·7	120·2	119·0	120·1
	7	121·8	121·8	119·8	122·1	119·6	120·1	121·1	125·2	120·4	125·1	123·0	123·5
	8	120·8	120·4	120·2	120 5	117·5	116·3	116·3	116·8	116·4	118·0	120·8	120·9
	9	116·4	116·4	118·6	117·7	117·1	117·1	117·9	122·1	121·0	120·5	120·5	121·1
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	127·3	128·4	128·3	125·7	122·3	119·6	118·5	117·5	116·9	117·6	117·6	117·8
	12	119·7	119·2	118·4	118·3	115·2	115·0[a]	117·4	118·0	119·5	119·2	119·5	119·5
	13	116·0	115·9	117·0	116·2	114·5	112·8	113·9	113·9	113·9	113·9	112·6	113·2
	14	119·5	122·6	122·5	122·2	122·9	119·4[d]	119·9	120·2	120·5	119·4	119·4	118·2
	15	125·6	127·0	128·0	127·2	126·2[c]	124·8	124·8	124·7	123·4	123·3	123·3[b]	123·3
	16	118·4	119·9	121·0	121·3	120·5	118·9	118·9	118·4	118·4	118·4	117·5	117·8
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	131·4	133·9	133·4	132·3	130·4	130·2	130·4	130·9	131·7	133·5	136·9	137·7
	19	131·6	137·6	135·4	134·4	132·9	134·7	134·7	134·5	134·5	134·5	134·5	133·9
	20	132·3	131·4	131·6	131·7	129·2	126·8	125·6	126·1	126·8	126·8	128·8	130·4
	21	127·7	129·4	126·6	125·3	122·6	121·8	122·2	122·9	121·2	122·0	123·5	124·9
	22	128·8	129·8	130·3	129·8	129·3	126·2	125·4	125·4	125·9	124·2	125·4	125·4
	23	133·6	135·0	133·2	131·2	129·5	128·2	127·3	127·3	123·3	123·6	124·3	124·3
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	124·4	124·2	123·2	121·5	119·1	116·9	115·5	116·1	116·9	116·2	114·7	114·7
	26	119 0	119·0	119·2	119·1	117·1	114·6	113·7	112·5	111·1	110·3	110·9	111·9
	27	116·4	118·4	119·3	119·3	117·5	116·0	117·2	119·5	121·8	123·7	122·0	124·0
	28	119·4	119·1	119·6	118·1	116·4	115·4	116·3	117·5	118·8	118·4	118·0	116·8
	29	110·8	118·2	118·0	116·6	115·0	120·0	119·4	118·0	118·0	121·0	125·7	140·1
	30	94·6	111·5	118·2	123·9	128·6	127·7	128·6	134·8	140·5	143·0	138·8	133·5
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		121·68	123·64	123·71	123·28	121·83	120·90	120·93	121·68	121·91	122·49	123·19	123·9

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
MARCH.	1	49·6	49·6	49·6	49·6	49·5	49·6	49·8	50·0	50·2	50·5	50·6	50·8
	2	50·8	50·8	50·3	49·9	49·7	50·3	50·6	50·8	50 5	50·8	51·5	51·1
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	40·7	40·0	40·0	40·0	40·6	40·9	41·1	42·0	41·8	42·2	42·4	42·8
	5	39·7	39·2	39·0	39·8	40·6[a]	41·6	42·0	42·6	43·6	44·5	45·1	45·2
	6	45·0	45 0	44·7	45·0	46·6	47·6	48·1	48·4	48·8	48·8	49·0	48·9
	7	46·9	46·6	46·9	47·0	47·4	47·9	48·5	48·8	49·4	49·5	49·8	50·1
	8	47·8	47·6	47·6	47·6	48·0	48·6	48·8	49·2	49·7	50·0	50·4	49·7
	9	50·1	49·5	49·5	49·2	49·2	49·2	49·2	49·4	49·6	49·9	49·8	49·8
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	44·6	44·6	44·6	45·6	46·6	47·6	48·2	49·0	50·0	51·5	52·5	52·6
	12	49·6	49·2	49·0	49·0	49·2	50·0[c]	50·0	50·2	50·0	50·2	50·8	50·8
	13	50·8	50·8	50·5	50·5	50·8	51·3	51·6	51·8	51·8	51·9	52·1	52·1
	14	48·4	47·4	47·0	46 6	46·6	47·0[d]	47·4	47·4	47·4	47·8	48·2	48·6
	15	44·6	44·6	44·6	44·6	44·6	44·6	45·0	45·5	45·8	46·0	46·0[b]	45·7
	16	38·4	38·0	47·8	47·6	47·6	47·6	47·6	48 4	48·4	48·6	48·6	48·6
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	40·8	40·8	40·8	41·0	41·2	41·3	41·4	41·4	41·3	40·6	40·0	39·2
	19	36·9	36·4	36·4	37·2	37 6	38·2	39·0	39·8	40·0	40·2	40·6	40·6
	20	42·5	42·9	42·6	42·6	43 0	43 7	44·2	44·4	44·4	44·4	44·3	44·1
	21	44·6	44·0	44·9	45·3	45·9	46·2	46·4	46·6	47·0	47·1	47·3	46·8
	22	43·4	42·8	42·8	42·6	43·0	43·6	44·5	45·0	45·2	45·7	46·3	46·6
	23	41·4	41·0	41·7	42·0	42·6	43 2	43·6	44·2	44·4	44·8	45·2	45·5
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	46·0	46·0	46·0	46·6	47·4	47·7	48·0	48·1	48·5	49·2	49·8	50·7
	26	48·2	48·0	48·0	48·5	48·6	49·2	50·2	50·1	51·3	51·8	52·0	52·1
	27	51·0	49·8	48·6	48·6	48·0	47·6	47·6	47·4	47·0	47 0	46·7	46·6
	28	46·8	47·0	47·6	47·6	47·6	47·6	47·6	47 9	48·3	48·5	48·9	49·4
	29	46·4	45·8	45·6	46·0	46·4	46·6	47·0	47·4	47·6	47·6	47·6	47·6
	30	44·6	44·1	43·6	43·7	43·7	43·7	43·9	44·5	43·9	43·8	43·5	43·4
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		45·75	45·44	45·37	45·53	45·85	46·25	46·59	46·98	47·15	47·42	47·65	47·67

[a] Two minutes late. [b] Thirty-eight minutes late. [c] Three minutes late. [d] Nine minutes late.

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00007.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
113·8	113·8	114·4	114·4	114·4	114·4	114·4	114·4	112·3	109·9	105·8	107·0	113·23
125·8	124·4	118·8	122·8	115·1	120·1	—	—	—	—	—	—	118·65
—	—	—	—	—	—	130·4	130 5	124·5	121·2	128·5	130·5[a]	
132·3	132·0	132·3	129·4	126·7	127·6	120·5	124·4	126·9	120·8	126·1	125·7	130·10
136·9	135·9	138·8	139·2	139·0	134·7	128·5	127·3	127·4	127·9	126·5	122 9	131·65
122·7	126 3	125·4	124·6	120·1	96·0	85·3	98·4	109·9	114·5	115·0	121·8	116·16
121·9	123·2	120·2	115·9	107·8	112·2	101·2	104·0	104·5	105·4	112·4	118·8	117·13
119·1	118 6	114·8	113·1	115·7	112·2	110·1	109·4	114·3	113·5	114·3	114·3	116·43
121·4	121·7	122·7	121·9	122 0	118·0	—	—	—	—	—	—	120 60
—	—	—	—	—	—	122·4[b]	119·2	125·5	122·8	125·7	124·8[a]	
117·3	117·3	117·9	118·3	118·3	118·6	119·1	119·1	119·2	119 6	120·1	120·1	120·10
120·0	119·7	119·7	118·8	118·8	115·1	115·8	116·2	115·3	116·0	116·5	115·8	117·81
111·8	111·4	112·6	113·3	114·7	114·7	115·0	115·0	115·0	116·7	116·7	116·4	114·46
120·2	121·3	122·1	122·1	122·7	122·7	122·7	123·5	124·0	122·3	124·1	124·8	121·63
123·3	123 0	122·5	121·8	122·0	121·9	120·3	120·3	119·4	119 1	118·1	118·5	122·99
118·9	119·4	119·8	119·8	119·6	119·6	—	—	—	—	—	—	121·06
—	—	—	—	—	—	127·1	125·6	127·3	123·9	124·6	130·5[a]	
137 7	138·1	136·4	136·4	136·7	131·0	137·8	139·6	137·5	136·1	127·7	124·9[c]	133·98
134·6	134·7	134·0	132·7	134·7	130·8	124·9	126·8	131·3	133·5	132·3	133·0	133·31
129·9	128·4	127·2	126·4	125·9	126·9	125·3	123·1	125·3	124·8	124·0	126·4	127·55
124·9	126·4	127·3	128·4	129·6	128·8	129·5	130·2	129·3	128·8	128·8	128·8	126·29
123·6	123·7	123·0	123·1	126·1	124·6	126·3	126·7	128·3	130·4	131·6	132·1	126·89
128·3	125·8	125·8	125·8	126·6	127·5	—	—	—	—	—	—	127·23
—	—	—	—	—	—	127·9	127·1	124·6	124·6	124·4	124·4[a]	
113·0	113 0	114·3	114·3	116 6	117·4	117·4	117·6	118·1	118·1	118·1	118·1	117·48
111·1	111·5	111·8	111·8	112·6	113·3	114·0	114·3	114·0	114·4	113·9	114·7	113·96
125·0	127·8	127·8	126·1	125·4	125·4	124·9	120·3	120·3	120·5	120·9	119·9	121·64
116·0	116·0	116·0	116·7	116·8	118·8	115·8	115·8[b]	112·0	109·7	109·7	102·9	115·83
147·4	162·1	116·1	111·9	110·3	110·9	37·3	92·4	83·0	75·1	97·8	94·4	111·65
128·4	132·0	137·8	128·0	133·4	128·3	—	—	—	—	—	—	129·67
—	—	—	—	—	—	128·0	128·0	138·0	136·5	135·0	135·0[a]	
124·05	124·90	123·06	122·20	121·98	120·44	117·00	119·58	120·28	119·47	120·72	121·02	121·83

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
50·8	50·8	50·8	50·6	50·5	50·3	50·3	50·3	50 8	51·0	50·8	50·8	50·30
50·9	50 5	50·4	49·8	49·3	49·5	—	—	—	—	—	—	48·32
—	—	—	—	—	—	42·8	42·2	41·8	42·0	42·0	41·5[a]	
42·8	42·6	42·4	42·4	43·0	43·1	42·8	40·8	40·2	40·1	40·2	40·2	41·46
45·1	45·2	45·0	44·8	44·8	44·8	44·8	44·8	45·0	45·2	45·2	45·4	43·46
48·6	48·3	48·0	48·0	47·8	47·6	48·0	48·6	48·8	48·4	47·6	46·9	47·60
50·5	50·8	50·8	50·5	50·6	50·5	49·7	49·5	49·4	48·6	48·0	48·0	48·99
50·5	50·5	51·1	51·1	51·2	51·1	50·9	50·9	50·8	50·8	50 6	50·3	49·78
49·5	49·5	49·5	50·0	49·7	48·8	—	—	—	—	—	—	48·39
—	—	—	—	—	—	45·6[b]	45·6	45·1	44·6	44·6	44·4[a]	
52·4	52·2	51·3	50·3	49·6	49·3	49·3	49·3	49·3	49·3	49·3	49·3	49·10
51·2	51·8	51·5	50·8	51·1	51·1	51·1	51·3	51·4	51·7	51·4	51·1	50·56
52·1	51·8	51·8	51·5	51·1	50·9	50·5	49·7	49·1	50·0	49·5	49·5	50·98
48·3	48·1	47·8	47·4	47·2	47·0	46·6	46·2	46·5	45·8	45·0	45·0	47·11
45·7	46·0	46·3	46·8	47·0	47·2	47·5	47·6	47·8	48·0	48·4	48·4	46·18
48·4	48·0	48·0	47·8	47·4	47·0	—	—	—	—	—	—	46·60
—	—	—	—	—	—	44·2	43·4	42 4	42·0	41·6	41·1[a]	
37·5	37·4	37·6	37·6	37·0	36·5	36·5	37·0	36·9	36·8	37·2	36·9[c]	38·95
40·6	40·6	40·8	41·2	41·4	41·3	41·6	41·4	41·6	41·6	42·0	42·3	39·97
43·8	44·4	44·7	45·1	45·1	45·0	44·8	45·1	45·2	45·1	45·1	44·8	44·22
46·4	45·6	45·2	44·6	44·3	43·6	43·6	43·0	43·0	43 0	43·6	43·0	45·04
46·6	47·0	47·0	46·4	45·6	45·2	44·6	44·2	43·2	42·2	41·8	41·6	44·45
45·2	45·2	45·2	44·8	44·6	44·2	—	—	—	—	—	—	44·10
—	—	—	—	—	—	44·2	44·4	45·0	45·0	45·4	45·6[a]	
51·3	51·1	50·8	50·3	50·1	49·3	49·3	49·3	48·9	48·6	48·4	48·4	48·74
51·7	51·3	51·3	51·3	50 7	50 5	50 3	50·3	50·4	50·3	50 3	49·8	50·26
46·3	46·0	46·0	46·0	46·0	46·0	45·8	46·2	46·2	46·4	46·6	46·6	47·08
49·5	49·5	49·5	50·0	50·2	49·8	49·2	48·3[b]	48·3	48·0	47·6	47·6	48·43
47·4	47·4	49·1	48·7	48·4	47 3	47·2	46·6	45·9	45·4	45·2	44·6	46·87
43·4	42·7	42·6	42·2	42·0	42·0	—	—	—	—	—	—	42·38
—	—	—	—	—	—	40·0	39·6	39·1	39·0	39·1	39·0[a]	
47·56	47·47	47·48	47·31	47·14	46 88	46·20	45·98	45·85	45·73	45·63	45·47	46·51

[a] Five minutes late. [b] Ten minutes late. [c] Six minutes late. Eight minutes late.

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
APRIL.	1	136·1	137·1	134·0	131·8	131·8	127·9	125·2	129·8	129·2	130·2	132·9	131·5
	2	120 2	127·1	125·7	121·6	118·9	117·4	116·1	117·0	118·8	119·7	116·7	116·7
	3	112·9	117·2	115·4	113·0	110·5	110·2	111·2	113·8	111·0	107·8	104·3	103·7
	4	96·9	99·7	102·9	101·9	101·7	100·9	99·2	99·5	99·9	100·3	100·3	102·3
	5*	—	—	—	—	—	—	—	—	—	—	—	—
	6	117·3	118·1	118·3	118·2	118·9	119·4	119·4	119·8	119·8	120·1	122·2	120·7
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	115·6	114·5	113·2	111·9	111·9	110·7	110·2	109·0	107·1	105·2	102·6	102·2
	9	101·5	100·3	104·3	102·6	100·3	98·9	97·1	96·2	95·6	94·1	93·4	93·0
	10	97·0	98·7	98·3	96·3	93·3	92·2	90·1	89·0	90·1	90·3	90·1	89·1
	11	97·9	100·1	99·0	99·4	98 2	97·6	96·6	95·4	95·4	95·3	94·2	93·1
	12	98·0	97·1	94·8	92·9	91·9	89·2	85·8	85·0	85·3	85·3	85·3	86·2
	13	93·8	93·8	91·3	88·7	87·5	86·6	85·3	84·4	83·1	81·6	80·5	79·4
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	88·6	87·5	87·5	87·8	86·9	85·5	84·5	86·2	87·9	89·4	90·7	91·2
	16	94·4	94·4	95·5	94·5	94·5	94·5	93·3	91·8	91·8	91·6	91·7	92·6
	17	1·3	4·6	69·7	88·2	94·0	99·8	108·5	119·1	122·0	118·3	117·7	119·5
	18	111·6	111·6	109·4	105·7	103·4	101·4	99·8	101·0	101·3	101·2	99·9	104·9
	19	112·1	109·5	108 5	105·0	102·9	100·8	100·8	103·8	100·7	100·0	99·8	99·8
	20	106·2	104·7	101·9	100·5	99·6	98·7	98·1	96·3	96·3	95·5	94·9	95·2
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	100·0	98·9	99·4	99·3	97·7	97·7	98·1	98·8	100·5	99·8	99·2	99·2
	23	99·8	98·9	98·4	99·1	99·1	98·6	96·9	96·4	96·4	94·9	94·9	94·9
	24	95·9	94·9	93·7	93·5	91·9	90·2	87·3	85·0	85·4	85·0	85·0	84·7
	25	90 1	86·6	84·1	80·9	79·0	81·5	82·5	85·7	94·5	91·2	90·3	96·4
	26	78·8	70·1	83·0	89·5	89·5	91·2	94·9	96·8	97·7	98·2	98·2	99·4
	27	103·7	103·7	105·3	103·9	104·3	102·2	103·0	104·8	104·4	106·9	104·3	103·6
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	107·6	104·5	101·3	97·9	96·4	97·0	98·5	100·5	99·2	99·0	96 1	98·5
	30	98·3	96·9	97·3	94·7	93·6	92·5	94·5	95·5	94·4	94·6	95·2	95·7
Hourly Means		99·03	98·82	101·29	100·75	99·91	99·30	99·08	99·90	100·31	99·82	99·22	99·91

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
APRIL.	1	39·1	39·1	40·3	41·6	42·6	43·4	43·9	44·6	45·3	45·4	45·8	46·4
	2	45·0	45·0	45·8	47·0	48·4	49·3	49·9	50·6	51·0	51·2	51·6	51·9
	3	49·8	49·6	49·8	51·1	51·4	52·1	52·5	53·3	54·2	55·2	56·3	57·3
	4	56·5	56·3	56·5	57·1	57·3	57·6	57·8	58·1	58·3	58·5	58·7	58·5
	5*	—	—	—	—	—	—	—	—	—	—	—	—
	6	49·7	49·3	49·6	49·2	49·2	49·2	49·2	49·1	48·7	48·8	49·0	48·8
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	49·5	49·9	50·0	50·7	50·7	51·2	51·9	52·1	52·8	54·0	55·2	56·0
	9	54·3	54·3	55·1	55·5	56·3	56·8	57·3	57·8	58·2	59·0	59·1	59·6
	10	55·3	55·3	56·0	57·0	57·8	58·3	58·7	59·3	59·3	60·0	61·0	61·6
	11	57·2	57·0	57·2	57·2	57·3	57·8	58·0	58·3	58·6	59·2	59·8	59·1
	12	57·2	57 2	58·2	59·0	59·8	60·2	60·7	60·7	61·3	61·9	62·4	63·2
	13	59·0	59·2	59·4	60·2	61·0	62·0	62·5	63·3	63·8	54·4	65·2	65·8
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	61·6	61·6	61·4	61·4	61·4	61·6	62·2	61·9	61·9	61·9	61·9	61·3
	16	59·0	59·0	58·8	58·8	58·8	58·8	59·2	59·6	59·8	60·0	60·0	60·0
	17	57·3	56·6	56·6	55·9	55·6	56·1	56·5	56·4	56·7	57·5	58·1	58·1
	18	50·3	50·5	51·5	53·0	53·8	54·3	54·8	54·8	55·2	55·6	56·1	56·3
	19	50·8	51·5	52·3	53·3	54·0	54·8	55·2	55·7	56·5	57·2	57·3	57·5
	20	53·8	54·0	55·0	55·8	56·6	57·3	58·2	59·3	59·6	59·6	59·6	59·4
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	56·2	56·2	56·1	56·2	56·2	56·3	56·3	56·4	56·3	56·7	57·0	57·1
	23	55·6	55·6	55·6	56·2	56·3	56·7	57·4	58·0	58·6	59·0	59·4	59·3
	24	58·3	58·6	59·0	59·2	59·8	60·2	61·0	61·6	62·3	62·9	63·6	63·6
	25	59·6	60·4	60·6	61·1	61·4	61·6	61·8	61·8	62·0	62·1	62·0	61·8
	26	59·0	59·0	59·0	59·0	58·6	58·3	58·3	58·1	58·1	58·1	57·9	57·3
	27	53·6	53·2	53·3	53·8	54·4	55·0	55·3	55·1	55·3	56·1	56·2	56·1
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	52·3	52·9	54·1	55·0	55·7	56·5	56·8	57·3	57·7	58·4	59·2	59·6
	30	51·8	55·5	56·0	56·6	57·1	57·7	58·6	58·8	59·3	59·4	59·6	59·6
Hourly Means		54·19	54·27	54·69	55·24	55·66	56·12	56·56	56·88	57·23	57·68	58·08	58·22

* Good Friday.

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00007.

12^h.	13^h.	14^h.	15^h.	16^h.	17^h.	18^h.	19^h.	20^h.	21^h.	22^h.	23^h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
128·7	128·5	128·4	123·9	128·5	124·7	123·7	123·9	125·1	116·9	111·9	118·1	127·41
116·7	117·7	117·7	120·1	118·3	118·8	114·4	115·1	109·0	98·7	88·9	102·5	115·58
103·7	100·4	100·4	97·3	97·3	100·3	101·0	101·0	102·8	98·8	95·7	96·9	105·28
105·7	103·5	103·5	104·1	104·1	102·5 [a]	—	—	—	—	—	—	104·32
—	—	—	—	—	—	103·6	110·4	114·4	114·9	115·7	115·6	
118·5	119·8	121·8	121·3	110·3	115·9	—	—	—	—	—	—	117·35
—	—	—	—	—	—	111·8	112·8	111·9	111·9	113·8	114·3	
100·2	99·8	100·1	101·3	101·9	101·3	102·1	102·1	102·6	103·6	103·6	104·9	115·73
92·2	92·2	92·9	92·9	94·6	95·2	95·9	96·9	98·3	97·0	95·7	95·6	96·53
90·0	90·4	90·8	91·5	91·8	91·8	93·0	91·9	91·9	93·1	93·5	96·9	92·55
92·9	93·1	93·3	93·3	94·4	92·2	92·2	94·6	94·6	95·4	95·7	97·6	95·48
86·2	86·2	86·2	87·6	88·0	88·1	89·1	90·2	90·7	91·4	92·4	92·8	89·40
78·4	78·9	81·0	81·1	82·7	83·5	—	—	—	—	—	—	84·62
—	—	—	—	—	—	81·7	83·9	83·0	84·7	87·5	88·5	
90·5	90·5	91·1	91·1	91·2	91·2	91·2	91·5	93·2	90·1	93·1	94·0	89·68
94·1	95·0	96·6	100·0	100·0	95·0	87·0	84·7	47·9	18·8	—[b]	5·2	84·56
113·5	116·3	112·5	104·8	103·7	108·3	104·8	109·2	109·9	109·9	107·0	111·6	98·93
103·4	103·4	103·8	104·3	105·1	106·3	106·3	108·2	108·9	109·7	110·0	110·8	105·48
99·2	99·2	100·2	100·8	100·9	100·7	102·1	102·4	102·1	102·1	103·6	106·3	102·51
95·0	95·0	95·9	96·0	96·0	96·9	—	—	—	—	—	—	98·34
—	—	—	—	—	—	98·1	99·5	99·5	100·1	100·1	100·0	
99·9	99·9	100·4	100·1	100·1	100·4	100·4	101·5	101·5	101·8	101·6	101·7	99·91
93·1	91·1	92·3	92·3	92·6	94·0	93·7	95·6	94·7	93·6	95·0	95·7	95·50
84·6	83·1	81·9	83·2	84·3	84·5	85·9	86·2	86·1	86·9	87·5	89·6	87·35
104·4	98·3	93·7	89·7	89·6	84·7	91·6	92·3	91·1	92·0	92·7	93·9	89·87
101·6	100·7	100·1	102·8	98·1	96·9	95·1	86·7	91·7	93·6	102·1	100·3	94·04
106·2	104·3	99·9	101·7	89·4	93·9	—	—	—	—	—	—	102·00
—	—	—	—	—	—	94·6	98·2	98·0	98·4	104·2	105·0	
95·9	96·2	95·0	94·2	90·2	94·9	96·3	96·3	97·7	99·4	99·9	100·9	98·06
98·7	99·9	96·4	88·0	91·2	85·6	93·9	96·0	95·7	86·3	86·3	88·8	93·75
99·73	99·34	99·04	98·54	97·77	97·90	97·98	98·84	97·61	95·56	99·06	97·10	98·99

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
46·8	46·2	46·1	45·6	45·6	45·2	45·0	45·0	45·0	45·3	45·3	45·3	44·33
51·0	50·8	51·0	51·0	51·0	51·0	51·0	50·9	50·5	50·6	51·0	51·5	49·92
58·1	58·7	58·7	58·5	57·6	57·1	56·8	56·3	56·4	56·8	56·8	56·8	55·05
58·1	57·5	57·3	56·8	56·8	56·5 [a]	—	—	—	—	—	—	55·65
—	—	—	—	—	—	51·1	50·6	50·3	50·1	49·7	49·7	
48·9	48·7	48·7	48·8	48·6	48·4	—	—	—	—	—	—	49·28
—	—	—	—	—	—	50·9	50·8	50·3	49·8	49·5	49·5	
56·8	57·1	56·9	56·7	56·3	55·8	56·1	56·1	55·7	55·3	55·3	55·0	54·05
60·0	60·0	59·6	59·1	59·0	58·8	58·3	57·6	56·8	56·2	56·1	55·8	57·52
61·8	61·4	61·0	60·5	60·1	59·5	59·2	59·0	59·0	58·7	58·2	57·5	58·98
59·3	59·1	59·0	58·6	58·5	59·0	58·7	58·7	58·5	58·3	58·0	57·6	58·33
63·2	62·5	62·0	61·8	61·4	61·0	60·6	59·9	59·6	59·1	59·0	59·0	60·45
65·8	65·4	65·0	64·4	64·0	63·5	—	—	—	—	—	—	62·82
—	—	—	—	—	—	62·8	62·6	62·4	62·0	62·1	61·8	
61·6	61·6	61·6	61·1	60·8	60·4	60·0	59·6	59·1	59·0	59·0	59·0	60·97
60·0	59·6	59·5	59·1	59·0	59·0	59·0	58·0	57·1	58·7	—[b]	58·7	59·11
58·2	57·7	57·2	56·5	56·0	55·2	54·3	53·7	53·0	52·3	51·6	50·8	55·75
56·1	56·2	56·0	55·3	54·6	53·9	53·4	52·5	52·3	51·9	51·3	50·8	53·77
57·5	57·3	56·9	56·3	56·3	56·1	55·7	55·5	55·1	54·8	54·5	54·3	55·27
59·6	59·3	59·0	58 6	58·0	57·6	—	—	—	—	—	—	57·41
—	—	—	—	—	—	56·3	56·3	56·3	56·3	56·2	56·2	
57·2	56·7	56·3	56·3	56·3	56·2	56·1	56 0	55·8	55·6	55·6	55·6	56·28
59·6	59·8	59·6	59·6	59·5	59·2	59·0	59·0	58·8	59·0	58·8	58·5	58·25
63·6	63·8	64·5	63·8	63·3	62·8	61·8	61·8	61·6	61·2	60·8	60·4	61·65
61·5	61·2	61·0	61·4	60·6	60·2	59·8	59·8	59·4	59·4	59·4	59·0	60·79
57·0	56·6	56·3	56·3	56·1	56·1	56·0	55·6	55·4	55·1	54·7	54·2	57·09
56·1	56·0	56·0	55·6	55·1	54·5	—	—	—	—	—	—	54·55
—	—	—	—	—	—	54·0	53·5	53·0	52·8	52·6	52·6	
59·9	59·7	59·5	59·2	58·8	58·5	58·3	58·0	57·3	56·5	55·8	55·2	57·17
59·4	59·4	59·0	59·0	58·6	58·5	58·5	58·1	58·0	57·7	57·8	57·8	58·12
58·28	58·09	57·91	57·60	57·28	56·96	56·51	56·20	55·87	55·70	55·38	55·30	56·50

[b] Magnet vibrated out of the field of the telescope.

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00007.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
MAY.	1	90·9	94·3	92·9	90·4	86·0	83·8	85·1	86·0	89·3	90·9	90·9	94·4
	2	86·5	88·0	87·7	84·0	81·3	81·0	81·0	81·3	81·6	82·9	80·7	84·8
	3	87·3	86·5	85·6	85·0	82·2	84·1	84·3	82·4	80·3	81·8	83·3	83·6
	4	90·3	90·3	90·0	89·4	89·3	88·0	87·6	87·7	87·6	88·3	90·1	90·1
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	94·7	96·9	97·5	96·5	96·5	93·9	94·9	93·0	93·0	93·6	95·1	97·2
	7	97·4	95·5	93·7	91·9	89·5	88·7	90·4	90·5	91·9	91·3	90·6	90·4
	8	90·6	90·6	92·9	90·6	88·8[a]	84·9	85·9	88·2	88·1	88·1	89·9	94·7
	9	95·1	94·0	90·6	90·0	91·7	93·0[b]	92·5	89·4	89·2	88·3	87·8	90·0
	10	95·8	95·8	94·7	94·7	92·8	91·7	92·5	91·0	91·0	93·3	91·4	93·7
	11	98·5	98·5	98·1	96·0	93·4	91·0	91·0	91·7	90·2	88·3	87·7	87·7
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	104·4	103·0	100·7	100·3	98·4	100·4	103·5	102·8	103·3	102·9	106·2	105·8
	14	101·4	102 7	100·4	99·4	99·5	96·6	90·3	96·0	94·5	94·5	92·3	91·4
	15	97·6	94·7	92·5	89·7	90·6	88·9	89·9	88·5	86·0	84·3	89·4	90·2
	16	90·1	91·5	90·6	89·1	86·9	86·0	86·0	85·8	86 9	86·8	86·8	86·2
	17	95·7	95·7	96·3	94·7	93·1	89 6	87·8	87·8	89·0	89·4[c]	89·4	89·4
	18	95·3	95·3	92·7	91·3	89·8	89·2	88·6	89·2	90·1	90 3	89·8	88·3
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	96·4	96·6	95·5	95·5	93·6	91·6	91·6	89·9	88·9	87·9	87 5	87·1
	21	99·0	99·0	97·9	98·5	95·8	94·4	94 9	94·4	95·6	95·6	95·9	100·9
	22	102·5	96·9	92·7	91·9	89·8	89·7	88·9	89·9	90·3	93 7	96·0	96·8
	23	92·8	92·5	91·4	90·1	90·6	89·9	84·1	85·6	89·5	85·9	83·5	84·9
	24	85·0	83·8	80·5	80·0	75·9	77·7	82·2	83·5	83·6	89·7	86·9	83·8
	25	80·9	80·1	80·8	79·5	78·5	77·3	75·7	73·1	71·1	70·5	70·7	68·6
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	77·6	77·9	78·4	76·6	75·0	74·1	73·3	74·7	—	—	78·6	76·9
	28	77·0	77·4	76·5	76·9	75·0	74·3	73·1	71·8	72·8	73·8	73·3	73·6
	29	82·3	81·0	81·2	79·5	78·8	77·8	75·7	77·3	77·3	78·0	78·5	77·8
	30	85·9	85·9	85·1	86·5	85·5	84·1	83·3	81·2	81·4	83·1	83·7	83·6
	31	83·9	83·4	84·1	82·7	81·0	79·6	81·7	80·2	82·0	82·0	79 4	79·7
Hourly Means		21·66	91·40	90·41	89·29	87·75	86·71	86·73	86·40	87·10	87·51	87·24	87·84

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
MAY.	1	57·8	58·2	58·6	59·7	60·0	60·3	60·8	61·0	61 3	61·6	61·9	62·0
	2	60·8	60 6	61·0	61·6	62·3	62·8	62·8	63·0	63·6	64·4	65·2	65·0
	3	61 6	61·8	62·0	62 0	62·2	62 6	63·0	63·3	63·6	63·7	63·7	64·0
	4	60·0	59·6	59·6	59·6	59·6	59·6	59·6	59·8	59·8	60·0	60·0	59·8
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	57·2	57·0	56·8	56·6	56·4	56·4	57·0	57·1	57·8	58·3	58·7	59·0
	7	57·2	57·7	58 2	59·2	59·6	59·7	59·8	59·8	60·0	60·3	60·6	61·4
	8	59·0	59·0	59 0	58·8	59·0[a]	59·7	59·9	60·2	60·6	61·3	61·6	61·8
	9	59·0	59·2	59·6	59·8	60·0	60 0[b]	60 0	60·1	60·6	61·1	61·6	61·7
	10	57·2	58 0	58·2	58·5	59·0	59·2	59·2	59·3	59·3	59·2	59·3	58 8
	11	56·3	56·3	56·5	57·0	57·7	58·7	59 2	59·8	60·4	61·3	62·0	62·3
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	54·2	54·2	54·4	54·7	54·3	52·7	52·0	51 5	53·0	53·3	53·3	53·5
	14	52·5	52·7	53·0	53·4	54·1	55·0	56·0	56·5	57·5	58·2	59·4	59·3
	15	57·2	57·8	58·2	58 7	59·2	59·6	60·2	60·7	61·3	62·0	62·6	62·5
	16	59·2	59·2	59·2	59·2	59·4	60·3	60·8	61·3	62·0	62·1	62·1	62·4
	17	57·2	57·2	57·2	57·6	58·2	59·2	59·4	59·8	60·4	60·6[c]	60·6	60·5
	18	58·3	58·3	58·3	58·8	59·2	59·4	59·4	59·1	59·2	59·5	60·6	61·0
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	56 2	56·2	56·2	56·4	57·2	58·0	58·2	59·2	59·8	60·2	60·4	60·2
	21	54·4	54 0	53·7	54·0	54·4	55·0	55·2	55·3	55·3	55·3	55·8	56·4
	22	52·2	53·2	54·2	55·2	56·0	56·3	56·7	57·2	57·7	58·0	58·5	58·6
	23	56·0	56·0	57·7	58·7	59·2	59·8	60·7	61·4	61·8	62·4	62·8	63·1
	24	61·0	61·0	62·0	63·0	63·6	64·0	63 8	63·2	63·6	63 0	63·6	64·1
	25	63·4	64·0	64·6	64·6	64·9	66·0	67·6	68·6	69·2	70·0	70·6	70·7
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	66·0	66·0	66·5	66·0	65 8	66·5	66·8	67·	—	—	68·0	68·0
	28	65·5	65·4	65·4	65·4	65·4	65·8	66·6	66·8	67 2	67·6	68·0	68·4
	29	63·0	63·2	63·0	63·4	63·6	64·1	64·4	64·4	65·1	65·6	66·1	66·4
	30	61·6	61·6	61·4	61·2	61·2	61·2	61·6	62·0	62·5	62·8	62·6	62·8
	31	61·8	62·0	62·0	61·8	61·8	61·6	61·6	62·0	62·5	63·0	63·4	63·6
Hourly Means		58·73	58·87	59·13	59·44	59·75	60·13	60·46	60·73	60·96	61·34	61·95	62·12

[a] Three minutes late. [b] Fifteen minutes late. [c] Seven minutes late.

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00007.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
96·1	94·0	91·5	85·5	85·8	87·9	83·6	79·0	85·0	89·5	90·5	89·2	88·85
88·1	88·1	84·1	74·9	77·6	79·6	73·9	72·5	80·1	83·7	83·8	86·7	82·25
83·6	83·6	83·6	85·5	85·5	85·6	85·7	86·5	86·5	87·7	88·0	90·2	84·93
91·2	94·6	95·3	95·3	—	—	—	—	—	—	—	—	90·46
—	—	—	—	—	—	92·3	89·8	87·7	90·4	90·3	92·6	
96·5	96·5	97·4	97·8	98·1	93·8	95·3	96·4	95·8	96·4	96·6	97·4	95·87
90·0	89·4	90·4	90·4	82·5	78·7	73·4	77·6	86·8	90·0	84·4	88·6	88·50
94·0	88·6	94·0	92·7	89·2	89·6	88·9	89·0	89·9	89·7	86·1	89·4	89·73
89·2	88·9	89·3	89·7	90·7	90·6	90·6	91·0	93·0	93·3	94·2	95·2	91·15
95·2	95·2[c]	95·7	96·2	93·1	97·6	97·6[c]	98·1	98·1	98·0	99·1	99·0	95·05
87·3	86·2	85·1	84·2	85·1	85·0	—	—	—	—	—	—	92·15
—	—	—	—	—	—	95·4	96·0	96·0	97·7	99·5	102·1	
104·6	106·4	104·8	105·6	106·0	106·4	102·0	101·0	98·7	96·7	100·0	100·0	102·66
91·4	94·6	98·8	92·1	78·7	82·5	94·1	90·3	89·7	93·0	96·5	97·4	94·34
89·6	89·6	89·6	89·4	88·0	88·9	89·9	89·9	90·5	90·5	89·6	89·1	89·87
86·2	86·3	87·0	87·2[d]	88·6	89·3	90·1	90·5	91·0	93·0	93·9	96·2	88·83
90·3	90·8	90·9	91·0	90·7	91·0	91·4	91·4	90·0	90·8	93·1	94·0	91·39
86·1	86·7	86·7	90·0	90·1	90·0	—	—	—	—	—	—	91·08
—	—	—	—	—	—	93·6	92·9	94·3	95·1	94·8	95·8	
88·1	89·0	89·6	89·6	90·5	92·8	93·0	93·0	93·4	94·6	96·8	99·0	92·15
102·8	104·5	98·8	98·1	99·1	101·2	100·2	100·9	101·3	102·0	102·9	104·1	99·08
102·2	119·2	109·4	94·7	95·7	69·8	73·0	81·7	77·9	84·8	92·3	92·5	92·18
83·3	83·8	83·0	80·6	81·2	82·4	84·3	84·3	84·3	80·6	84·2	85·2	85·75
83·0	81·4	79·1	76·4	72·2	77·4	75·7	77·5	78·5	77·1	77·7	78·5	80·30
68·6	68·6	68·9	71·1	71·1	71·9	—	—	—	—	—	—	73·34
—	—	—	—	—	—	72·4	65·7	70·7	70·7	76·9	76·9	
76·9	76·9	75·6	75·7	75·7	71·5	73·6	75·1[f]	75·0	76·0	75·7	78·7	75·89
72·2	72·2	72·6	74·4	75·3	75·4	76·8	77·5	77·5	77·0	78·3	82·0	75·28
77·2	77·2	77·3	78·2	79·1	79·8	78·9	77·7	76·3	75·1	80·1	85·3	78·64
83·2	83·2	83·2	83·3	84·3	83·8	83·8	83·8	83·8	84·1	84·9	84·6	83·97
79·9	80·4	81·5	83·2	83·2	83·5	81·4	80·8	83·5	84·5	85·9	87·8	82·30
88·10	88·74	88·23	87·14	86·04	85·62	86·33	86·29	87·23	88·22	89·49	91·02	88·03

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
62·1	62·0	61·9	61·7	61·5	61·5	61·4	61·2	61·0	61·0	60·7	60·8	60·83
64·9	64·6	64·6	64·2	63 8	63·5	63·3	63·2	63·0	62·6	62·4	62·0	63·13
64 0	63·5	63·0	63·0	62·8	62·6	62·5	62·0	61·4	61·1	60·6	60·6	62·52
59·6	59·2	59·2	58·8	—	—	—	—	—	—	—	—	59·35
—	—	—	—	—	—	59·4	59·0	58·9	58·7	58·3	57·6	
58·8	58·4	58·2	58·0	57·8	57·8	57·8	57·6	57·3	57·3	57·3	57·2	57·57
61·8	61·8	61·7	61·2	60·9	60·6	60·4	60·0	59·8	59·5	59·0	59·0	59·97
62·3	62·1	61·6	61·1	61·1	60·7	60·2	60·2	59·7	59·5	59·2	58·8	60·27
62·0	62·0	61·8	61·3	60·7	60·2	59·6	59·1	58·8	58·6	58·2	57·4	60·10
58·2	57·6[e]	57·4	57·1	57·0	56·5	56·5	56·3	56·3	56·3	56·3	56·3	57·79
62·4	62·5	62·6	62·5	62·5	62·0	—	—	—	—	—	—	59·07
—	—	—	—	—	—	57·3	56·9	56·3	55·8	55·1	54·4	
53·2	53·8	52·9	52·3	51·9	51·7	51·4	51·5	51·5	51·8	52·0	52·0	52·80
59·4	59·1	59·0	58·7	60·0	60·0	59·3	58·5	58·1	57·5	57·3	56·7	57·13
62·4	62·4	62·0	61·8	61·2	60 6	60·2	60·1	60·0	59·8	59·6	59·4	60·40
62·4	62·0	61·4	60·8[d]	60·1	59·6	59·1	58·8	58·2	57·7	57·5	57·5	60·10
60·4	60·1	60·0	60·0	59·7	59·5	59·2	59·0	59·2	59·4	59·0	58·7	59·25
61·2	61·2	61·2	60·6	60·0	59·6	—	—	—	—	—	—	59·05
—	—	—	—	—	—	57·5	57·4	57·2	57·0	56·8	56·4	
59·8	59·3	59·3	59·2	58·6	57·8	57·3	56·5	55·7	55·0	55·7	55·0	57·81
56·4	56·5	56·5	56·3	55·5	55·1	54·9	54·4	53·6	53·1	52·6	52·2	54·83
59·2	58·8	59·1	59·3	58·8	59 3	59·1	58·7	58·3	57·0	56·3	56·0	57·24
63·1	63·1	63·1	63·0	62·5	62·0	62·0	61·6	61·3	61·2	60·7	60·4	60·98
64·8	65·2	66 0	66·6	66·6	66·0	65·6	65·4	64·9	65·3	64·9	65·0	64·26
71·0	70·8	70·4	69·7	69·5	69·3	—	—	—	—	—	—	67·78
—	—	—	—	—	—	67·6	67·4	67·2	66·7	66·5	66·4	
68·0	68·0	67·8	68·0	67·6	67·6	67·2	66·7[f]	66·4	66·2	66·0	65·6	66·90
68·4	68·0	67·8	67·3	66·6	66·2	65·6	65·2	64·8	64·3	64·0	63·2	66·20
66·4	66·4	66·1	65·6	65·0	64·6	64·1	63·4	63·0	62·8	62·2	61·6	64·31
62·6	62·5	62·5	62·8	62·6	62·5	62·4	62·2	62·2	62·0	62·0	61·8	62·11
63·6	63·4	63·0	62·8	62·4	62·0	61·5	61·0	60·8	60 5	60·0	59·6	61·99
62·16	62·01	61·86	61·62	61·41	61·11	60·46	60·12	59·81	59·54	59·27	58·95	60·49

[d] Eleven minutes late. [e] Two minutes late. [f] Twenty minutes late.

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00007.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
JUNE.	1	86·3	86·2	85·2	85·7	82·8	80·3	80·8	80·9	79·8	78·0	80·7	75·2
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	89·5	89·5	88·6	86·0	89·3	84·6	84·6	89·7	85·1	83·4	83·4	83·6
	4	91·2	89·2	89·2	88·2	85·8	84·5	83·9	82·0	82·0	79·0	78·8	81·0
	5	86·6	85·7	83·5	82·2	82·3	82·4	78·8	80·1 [b]	77·8	78·4	78·5	78·5
	6	82·8	83·6	80·8	77·4	76·0	75·9	73·3	73·2	73·0	72·6	71·8	71·9
	7	81·1	80·1	80·1	80·1	78·1	75·9	75·7	74·4	74·3	75·6	75·6	74·9
	8	85·0	84·3	84·3	85·5	84·3	85·6	86·7	83·5	82·4	84·2	82·6	82·6
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	87·1	87·2	85·9	85·1	86·2	84·6 [c]	86·2	86·2	88·4	89·0	89·8	90·3
	11	92·3	92·3	90·8	89·9	88·3	87·4 [d]	85·5	84·2	84·2	84·8	84·8 [d]	84·8
	12	88·9	89·3	88·3	87·2	85·1	83·6	82·0	80·7	80·4	80·6	80·4	79·3
	13	85·4	85·9	82·6	80·8	78·7	78·4	79·1	79·1	77·6	77·9	78·5	77·7
	14	75·5	75·9	73·6	73·0	75·3	76·1	74·4	74·2	74·2	73·1	72·6	71·1
	15	78·2	77·0	76·4	76·7	75·8	73·3	72·5	71·1	69·8	70·1	69·8	69·7
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	72·8	72·8	73·2	73·2	73·3	73·2	72·6	72·2	73·4	72·9	72·6	72·9
	18	70·0	70·1	69·8	69·8	68·9	66·1	67·0	67·4	66·4	64·3	65·4	64·7
	19	65·9	65·3	64·4	64·4	63·2	63·6	63·6	62·7	64·3	63·8	63·6	63·2
	20	62·5	64·0	64·9	65·3	64·1	63·4	63·4	62·9	63·6	64·3	64·5	65·9
	21	69·7	69·7	69·7	69·4	69·4	70·1	70·6	70·6	72·2	71·0 [a]	72·2	71·8
	22	73·7	73·7	73·8	73·3	72·9	72·3	71·3	71·3	72·9	72·9	73·0	72·0
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	70·0	70·0	69·4	69·2	69·9	69·5	69·4	67·2	67·2	66·0	66·0	65·6
	25	67·2	68·2	68·2	68·0	68·0	67·6	67·6	65·9	66·4	66·4	66·4	63·8
	26	65·8	65·8	66·1	63·8	63·5	63·5	62·3	64·7	65·9	65·9	65·2	66·7
	27	70·1	70·1	69·8	69·8	71·0	71·0	71·0	72·6	72·5	71·9	71·9	72·8
	28	73·9	73·1	70·7	70·5	70·4	68·4	68·7	68·7	68·0	68·0	68·6	69·5
	29	72·7	72·4	72·7	72·7	73·2	75·5	72·5	72·8	72·8	74·1	76·3	74·8
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		77·77	77·66	76·88	76·29	75·83	75·07	74·54	74·33	74·18	73·93	74·12	73·77

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
JUNE.	1	59·6	59·8	60·0	60·0	60·2	61·1	61·6	62·1	62·6	63·5	63·7	64·0
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	58·1	58·6	59·0	60·0	60·4	60·8	61·0	60·6	61·1	62·0	62·1	62·1
	4	58·3	58·5	59·0	59·6	60·6	61·2	61·6	61·8	62·2	63·0	63·6	63·8
	5	59·8	59·6	60·1	60·1	60·1	60·6	61·1	61·6 [b]	62·8	63·2	63·8	64·0
	6	62·5	62·8	63·7	64·4	65·6	66·1	67·0	67·0	67·6	68·1	67·8	67·7
	7	62·5	62·1	62·0	62·1	62·6	63·1	63·6	64·0	64·6	65·1	65·6	66·0
	8	59·2	59·5	58·6	59·5	60·0	59·8	60·4	60·6	60·6	61·0	61·6	61·4
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	57·4	59·0	59·1	58·6	59·6	59·6 [c]	59·6	58·8	58·6	59·1	58·2	58·4
	11	56·2	57·1	57·9	58·3	58·2	58·6 [d]	59·0	59·0	59·4	60·0	60·6 [d]	60·8
	12	57·3	58·3	58·8	59·2	60·0	61·0	61·6	62·0	62·6	63·0	63·4	63·6
	13	59·0	59·2	59·6	60·2	61·0	61·6	62·6	63·1	63·6	64·2	64·6	65·1
	14	62·0	62·1	62·8	63·6	64·0	64·6	65·0	65·4	65·8	66·6	67·1	67·6
	15	63·4	63·4	63·6	64·0	64·6	65·6	66·1	66·8	67·1	67·6	67·6	68·0
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	65·4	65·1	65·1	65·1	65·2	65·6	66·4	66·8	67·2	67·6	67·6	68·0
	18	67·0	66·6	67·1	68·0	68·6	69·6	70·1	70·5	71·0	72·2	72·5	72·7
	19	70·0	70·1	70·5	71·0	72·0	71·3	71·5	71·5	71·7	72·2	72·5	73·2
	20	71·0	69·5	68·8	68·5	68·6	68·7	69·1	69·5	70·0	70·0	70·3	70·3
	21	64·9	64·6	64·6	64·8	65·1	65·6	65·8	66·2	66·6	67·0	67·6	67·6
	22	62·6	62·6	62·6	62·6	63·0	63·4	64·2	64·4	65·1	65·6	66·6	66·8
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	66·6	66·0	66·4	66·6	67·4	67·6	68·0	68·2	68·7	69·2	69·6	69·7
	25	68·4	68·0	67·6	67·6	67·6	68·4	69·0	69·5	70·1	70·3	70·7	71·5
	26	69·3	68·8	68·7	68·7	68·4	68·7	69·0	69·3	69·3	69·3	69·2	69·5
	27	66·8	66·8	66·5	66·1	65·8	65·8	65·6	65·6	65·6	65·6	65·8	65·6
	28	64·6	64·6	64·8	64·6	64·6	65·0	65·4	65·6	65·8	66·4	66·8	67·0
	29	63·2	62·8	63·0	63·6	64·0	64·6	65·0	65·4	65·8	66·0	66·2	66·6
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		63·00	63·02	63·20	63·47	63·89	64·32	64·77	65·01	65·42	65·91	66·20	66·44

[a] Eighteen minutes late. [b] Ten minutes late. [c] Three minutes late.

VERTICAL FORCE.

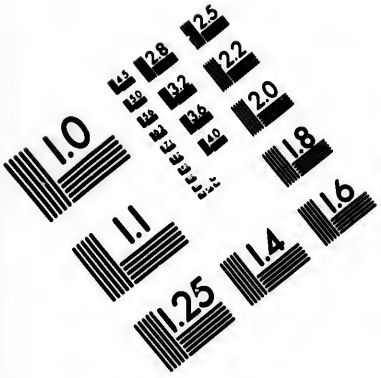
One Scale Division = ·000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah. = ·00007.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
79·2	79·3	77·4	77·8	77·8	78·8	—	—	—	—	—	—	82·30
—	—	—	—	—	—	85·9	85·4	87·5	88·8	90·3	90·1	
83·8	82·8	83·4	84·1	84·4	85·8[a]	85·7	86·9	87·2	89·0	89·3	91·2	86·20
80·2	80·6	81·8	83·7	83·5	84·5	84·5	84·9	85·7	86·1	86·1	88·2	84·29
77·8	77·2	80·1	79·3	79·3	79·3	79·3	80·2	81·6	81·8	83·0	84·3	80·74
73·4	74·8	75·6	75·4	75·9	76·4	77·1	77·9	78·8	79·8	80·8	81·3	76·05
74·3	76·2	76·7	77·2	79·5	80·5	80·5	82·2	82·2	83·3	85·0	87·3	78·78
84·3	85·4	85·5	85·5	56·0	84·1	—	—	—	—	—	—	85·77
—	—	—	—	—	—	89·3	88·6	88·6	89·7	90·6	89·6	
88·0	88·0	88·4	88·5	[illegible]1	91·1	90·3	92·1	92·2	88·2	86·9	91·3	88·42
83·5	83·5	83·7	85·8	[illegible]8	86·3	85·7	85·7	88·5	88·8	91·2	90·2	87·07
79·1	79·1	78·6	80·2	80·2	79·5	79·5	81·8	81·8	83·0	82·3	84·0	82·20
76·9	76·0	76·4	77·3	77·1	78·2	78·1	78·0	80·0	80·8	82·6	83·6	79·48
70·2	70·2	70·1	71·3	71·1	71·9	71·9	71·3	71·4	75·3	75·3	78·2	73·22
67·7	68·1	69·4	69·4	69·4	69·4	—	—	—	—	—	—	71·22
—	—	—	—	—	—	68·0	66·0	66·4	70·1	72·2	72·8	
72·9	72·9	71·4	71·4	71·4	71·8	71·8	70·1	70·1	70·1	71·7	71·3	72·17
64·7	63·5	62·8	62·8	61·9	61·9	61·9	62·3	62·3	63·0	65·0	65·0	65·33
63·3	62·8	62·8	61·4	60·7	61·8	61·8	61·7	62·7	63·0	63·3	64·6	63·25
65·4	66·0	66·2	67·5	68·4	67·4	65·0	66·0	67·0	68·0	66·6	68·9	65·47
71·6	70·9	70·1	69·8	69·8	69·4	68·0	71·2	71·4	72·1	72·1	73·7	70·69
73·1	70·7	70·7	71·0	71·1	72·2	—	—	—	—	—	—	72·10
—	—	—	—	—	—	70·9	70·3	71·4	71·4	71·4	73·0	
66·0	65·1	64·9	64·9	66·0	66·0	65·8	66·2	64·6	64·6	66·4	66·0	66·01
61·1	60·1	59·7	61·6	61·2	61·8	61·8	61·7	63·0	63·0	64·5	65·7	64·54
66·5	66·5	65·6	64·4	66·0	66·6	67·5	66·6	66·6	66·6	68·6	68·6	65·80
72·8	72·4	72·2	71·9	71·0	72·3	71·6	71·6	71·6	71·6	71·6	73·7	71·62
68·5	68·5	69·8	69·8	70·7[f]	68·9	71·4	71·2	72·5	73·6	72·4	72·7	70·35
73·1	73·1	70·7	70·7	71·9	71·9	—	—	—	—	—	—	72·33
—	—	—	—	—	—	72·1	71·5	71·5	68·6	67·5	70·7	
73·34	73·38	73·36	73·71	74·11	74·31	74·62	74·86	75·47	76·04	76·67	77·74	75·08

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
64·0	64·0	64·0	63·8	63·5	63·5	—	—	—	—	—	—	61·53
—	—	—	—	—	—	59·6	59·4	59·4	59·3	59·3	58·8	
62·2	62·1	62·1	61·8	61·4	60·8[a]	60·4	60·0	59·6	59·3	58·9	58·4	60·53
63·8	63·6	63·2	62·6	62·1	61·6	61·4	61·1	60·6	60·6	60·2	60·0	61·42
64·2	64·0	63·8	63·9	63·6	63·1	63·0	62·8	62·5	62·2	62·2	62·3	62·27
67·1	67·0	66·4	66·2	65·8	65·4	65·0	64·2	63·6	63·2	62·8	62·5	65·39
66·0	65·8	65·0	64·7	64·5	64·2	62·9	61·6	61·0	60·4	60·0	59·5	63·29
61·2	60·8	60·6	60·8	60·8	60·6	—	—	—	—	—	—	59·97
—	—	—	—	—	—	59·4	59·0	58·8	58·6	58·4	58·1	
58·6	58·3	59·8	59·0	59·0	58·5	58·0	57·7	57·4	56·7	56·5	55·8	58·39
61·2	61·4	61·6	60·8	60·3	60·0	59·6	59·0	59·0	58·2	57·3	57·3	59·20
63·6	63·4	63·4	63·1	62·6	62·6	61·8	61·4	60·4	60·0	59·4	59·2	61·32
65·4	65·6	65·5	65·0	64·6	64·2	63·6	63·2	62·8	62·0	61·4	60·8	62·83
67·8	68·2	67·6	67·4	67·0	66·6	66·1	65·6	65·1	64·6	64·1	63·6	65·43
68·4	68·2	68·0	67·6	67·0	67·0	—	—	—	—	—	—	66·22
—	—	—	—	—	—	66·4	66·2	65·8	65·7	65·5	65·6	
68·4	68·0	68·0	67·8	67·5	67·3	67·2	67·0	67·0	66·6	66·5	66·4	66·78
72·3	72·4	72·3	73·0	72·9	72·4	72·3	72·1	71·7	71·5	71·0	70·5	70·85
73·1	72·7	72·7	72·8	72·3	71·9	71·7	71·5	71·1	70·6	70·4	69·4	71·57
70·1	70·3	70·3	69·6	69·0	68·5	68·5	67·5	67·0	66·6	66·0	65·0	68·86
67·6	67·6	67·6	67·4	67·0	66·6	66·0	65·1	64·6	64·0	63·6	63·2	65·86
66·8	66·6	66·6	66·4	65·8	65·6	—	—	—	—	—	—	65·11
—	—	—	—	—	—	66·6	66·3	66·0	65·6	65·4	65·4	
69·7	69·3	69·6	69·7	69·2	69·0	69·0	69·0	68·9	69·0	68·4	68·4	68·47
72·5	73·4	73·0	73·8	72·0	71·5	71·3	71·0	70·5	70·2	70·0	69·5	70·31
68·3	69·0	68·9	68·7	68·4	68·2	68·1	68·0	67·6	67·6	67·4	67·0	68·56
65·6	65·6	65·6	65·6	65·6	65·4	65·4	65·2	65·0	65·0	64·8	64·8	65·63
67·2	67·0	66·9	66·4	65·6[f]	65·6[d]	65·6	64·8	64·6	64·1	63·6	63·4	65·42
67·0	68·0	67·6	66·8	66·6	66·4	—	—	—	—	—	—	65·78
—	—	—	—	—	—	66·6	66·8	66·8	66·8	66·6	66·6	
66·48	66·49	66·40	66·19	65·76	65·46	65·02	64·62	64·27	63·94	63·59	63·26	64·84

[a] Two minutes late. [d] Four minutes late. [f] Two minutes early.



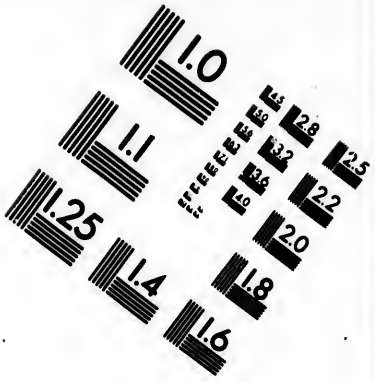
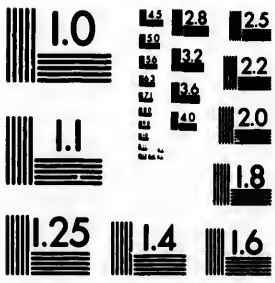
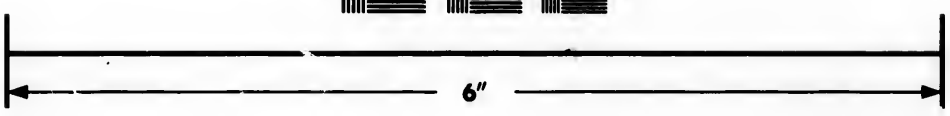


IMAGE EVALUATION TEST TARGET (MT-3)





Photographic Sciences Corporation

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WEBSTER, N.Y. 14580
(716) 872-4503

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
JULY.	1	71·5	70·2	70·2	69·1	66·4	63·7	62·8	62·7	62·1	61·0	60·1	58·9
	2	69·6	69·7	68·3	66·6	64·0	62·9	60·7	60·7	60·7	61·8	61·8	64·3
	3	66·8	66·8	66·8	65·8	63·9	63·9	63·9	64·2	63·8	65·7	66·2	67·2
	4	71·6	74·5	73·7	73·0	73·0	71·6	70·0	70·2	73·5	73·5	72·7	73·0
	5	78·6	78·6	78·6	76·4	76·4	76·1	76·1	75·5	76·9	78·2	78·2	77·0
	6	77·4	76·3	73·5	70·9	68·4	66·0	64·9	65·5	65·7	63·9	63·9	64·6
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	69·7	69·7	70·8	69·6	68·1	69·6	70·0	71·1	68·1	68·7	67·0	66·5
	9	68·8	70·0	70·0	68·0	67·1	65·8	65·7	63·5	63·5	63·9	64·1	63·1
	10	63·0	64·0	62·0	61·6	59·2	58·7	57·4	57·8	57·2	58·7	58·7	59·8
	11	67·6	65·4	65·4	65·1	61·8	60·4	59·3	56·1	58·9	58·9	58·5	58·5
	12	65·0	66·4	64·8	64·3	61·7	60·3	60·4	60·3	60·4	60·4	60·4	59·0
	13	61·0	62·2	62·2	62·2	62·0	59·9	58·1	60·1	59·4	60·0	62·3	60·1
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	61·0	61·5	61·5	60·4	60·6	59·2	60·6	60·6	60·2	60·9	61·5	62·7
	16	65·2	66·3	67·2	67·1	65·0	63·7	61·7	61·3	61·8	63·5	65·2	61·9
	17	66·5	66·7	65·9	66·0	63·4	59·5[a]	57·8	58·9	58·8	58·5	61·3	63·6
	18	62·7	64·5	62·7	62·2	63·0	59·8	60·7	59·7	58·9	58·2	61·8	61·5
	19	58·9	58·9	60·1	60·1	56·6	55·9	54·6	54·6	56·6	58·3	58·6	57·2
	20	62·9	61·8	60·4[b]	58·8	58·3	57·6	56·5	56·0	56·2	57·7	57·7	55·7
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	59·9	59·3	59·3	57·9	55·3	55·2	52·9	50·4	48·2	50·3	50·3	50·3
	23	54·4	54·0	53·0	52·2	50·7	49·1	45·3	47·4	47·5	47·7	48·3	49·2
	24	55·7	57·1	57·0	55·6	54·2	54·5	54·8	54·8	53·6	55·9	55·0	53·9
	25	44·0	43·1	46·3	52·5	52·4	51·5	53·7	56·3	56·8	60·0	61·5	59·7
	26	63·3	60·9	59·9	59·9	60·2	59·2	58·1	57·2	58·3	59·6	55·1	62·0
	27	55·7	57·7	59·5	59·5	54·7	57·1	57·1	56·3	58·7	58·0	62·3	63·1
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	61·4	61·4	60·0	58·9	58·1	54·9	52·9	49·5	50·3	51·7	51·2	51·2
	30	53·9	54·5	54·3	54·3	54·7	54·7	54·7	54·1	54·3	55·1[d]	56·6	56·6
	31	55·8	55·5	55·5	54·7	51·1	50·1	50·0	49·3	48·4	50·5	48·8	50·3
Hourly Means		63·40	63·59	63·29	62·69	61·12	60·03	59·29	59·04	59·21	60·02	60·48	60·40

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
JULY.	1	66·0	66·5	67·4	67·5	68·4	68·6	70·3	71·0	71·9	73·0	73·5	74·1
	2	67·6	67·8	68·0	68·5	68·8	69·3	69·9	70·5	71·0	71·3	71·5	71·7
	3	68·5	68·4	68·5	68·7	68·8	69·0	69·1	69·5	69·8	69·7	69·7	69·7
	4	64·4	64·6	63·8	64·2	64·2	64·6	64·8	64·6	64·6	65·0	65·4	65·8
	5	61·6	61·6	61·6	61·6	61·8	62·2	62·6	62·8	62·9	62·9	63·0	63·0
	6	62·8	63·4	64·4	65·0	65·5	66·4	67·4	68·4	68·8	69·8	70·3	70·5
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	63·6	63·6	63·6	63·9	64·2	64·6	65·0	65·6	66·0	66·6	67·4	68·0
	9	65·8	65·8	66·1	66·8	67·6	68·6	69·0	69·5	69·8	70·3	70·5	70·3
	10	69·7	69·7	70·3	70·7	71·3	71·7	72·3	72·3	72·3	72·5	73·0	73·3
	11	68·4	68·4	68·6	68·8	69·5	70·0	70·6	71·1	71·6	72·1	72·7	73·2
	12	68·4	68·6	68·8	68·9	69·5	69·8	70·2	70·4	71·3	71·7	72·5	72·9
	13	70·2	69·9	69·6	69·7	69·7	70·1	70·4	71·0	71·2	71·5	71·7	72·0
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	69·6	69·4	69·4	69·6	69·5	69·5	69·6	70·0	70·0	70·1	70·0	70·0
	16	67·0	66·6	66·6	66·6	67·0	67·1	67·6	67·8	67·8	68·2	68·4	68·7
	17	65·8	66·0	66·4	66·6	67·4	68·3	68·5	69·0	69·5	69·9	70·5	70·7
	18	67·4	66·4	67·3	67·5	68·3	68·8	69·5	70·2	70·6	71·0	71·2	71·5
	19	69·9	69·8	69·6	69·5	69·7	70·0	70·2	70·5	70·7	71·3	71·5	72·0
	20	69·1	69·3	69·5[b]	69·9	69·8	70·3	70·5	70·8	71·0	71·2	71·6	71·6
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	69·5	69·5	69·7	70·2	70·7	72·1	72·5	73·3	73·4	73·7	74·4	74·6
	23	71·5	71·5	71·5	71·8	72·4	73·0	73·6	73·9	74·6	74·8	74·8	75·0
	24	70·5	70·3	70·3	70·7	71·0	70·9	71·1	71·5	71·5	71·9	72·3	72·2
	25	71·8	70·9	70·0	70·0	70·2	70·4	70·6	70·8	71·0	71·2	71·4	71·4
	26	67·6	67·6	67·6	67·8	67·9	68·4	68·6	69·0	69·0	69·2	69·4	69·7
	27	65·6	66·0	66·4	67·0	67·8	69·0	69·4	69·8	70·2	70·4	70·6	70·9
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	67·4	67·6	68·0	68·6	69·4	71·0	71·6	72·2	72·9	73·2	73·7	73·9
	30	71·2	70·9	70·9	70·9	71·2	71·2	71·3	71·4	71·6	71·8	71·6	71·5
	31	71·0	71·0	71·5	72·0	72·5	73·3	73·9	74·0	74·5	75·2	75·5	75·5
Hourly Means		67·85	67·82	67·98	68·26	68·67	69·19	69·63	70·03	70·35	70·72	71·04	71·28

[a] Seven minutes late. [b] Two minutes late.

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00007.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
58·8	58·8	58·8	59·7	60·4	60·4	62·0	62·0	64·3	65·6	67·2	68·8	63·56
64·5	64·5	62·9	62·9	62·9	63·0	64·1	64·7	64·7	64·7	65·5	67·5	64·29
66·5	66·5	66·5	67·8	67·8	69·0	70·8	63·8	69·0	71·8	71·8	75·0	67·14
72·0	70·9	70·6	71·5	72·6	73·4	73·4	74·8	74·8	75·1	77·4	77·4	73·09
77·0	77·0	77·0	77·0	77·0	77·0	76·2	75·2	76·2	76·5	77·2	77·4	76·97
63·9	63·4	64·9	64·6	64·6	66·5	—	—	—	—	—	—	66·64
—	—	—	—	—	—	63·7	64·2	64·2	68·9	64·4	65·0	
68·3	67·6	67·0	68·1	66·1	60·8	59·0	55·9	55·9	56·2	62·6	66·1	65·94
64·6	64·6	64·6	65·3	63·0	63·0	63·4	63·4	63·4	59·8	59·8	62·0	64·60
58·9	60·0	59·3	59·3	61·4	61·4	61·9	60.5	63·7	63·7	65·6	65·6	61·06
57·9	56·7	55·0	55·4	57·3	57·3	56·8	59·2	59·2	58·2	61·9	64·4	59·80
56·8	56·8	56·8	57·2	58·1	58·8	53·6	56·6	59·7	60·9	59·9	59·9	59·94
60·1	59·2	59·2	59·2	59·2	58·6	—	—	—	—	—	—	59·61
—	—	—	—	—	—	51·9	56·4	57·8	58·8	59·7	61·0	
62·7	62·7	63·7	64·1	62·3	62·9	59·9	63·0	63·0	64·4	64·3	66·9	62·11
64·1	62·9	62·4	60·9	62·4	62·4	61·6	62·2	63·6	63·6	65·2	64·7	63·58
63·6	61·1	60·3	58·3	60·2	58·5	58·5	59·4	60·0	61·1	61·6	63·2	61·36
58·6	57·8	57·8	56·0	57·5	54·7	55·5	55·8	57·8	57·8	57·9	57·9	59·20
55·9	56 0	56·2	55·1	56·3	58·0	58·0	59·5	60·0	60·5	60·5	61·3	57·80
55·7	55·1	54·3	55·6	53·6	57·5	—	—	—	—	—	—	57·33
—	—	—	—	—	—	56·1	56·1	56·1	58·1	58·1	59·9	
50·5	50·5	47·7	48·2	48·2[a]	48·2	50·2	50·4	50·4	52·9	52·9	53·4	52·20
49·2	49·2	49·2	49·2	50·7	49·9	51·1	51·2	52·8	53·6	53·6	54·2	50·53
53·3	53·5	50·4	49·5	50·8	52·3	50·9	47·6	21·4	34·0	35·9	45·9	50·35
58·9	58·7	56·9	56·9	56·4	51·2	52·4	50·4	49·2	54 1	58·6	62·1	54·32
59·9	59·9	59·2	59·2	59·2	60·2	58·3	57·2	57·2	53·5	51·5	56·0	58·73
60·0	60·0	56·4	58·4	58·4	55·3	—	—	—	—	—	—	58·50
—	—	—	—	—	—	55·4	58·2	60·0	60·0	59·7	62·5	
51·2	50·2	48·4	48·4	48·4	50·7	50·7	51·7	52·8	53 3	53·3	52·8	53·06
56·6	56·4	56·4	56·2	56·2	55·4	52·3	48·5	53·6	54·3	55·8	55·8	54·80
50·4	44·2	45·8	45·8	45·6	47·0	47·0	46·9	53·3	53·3	53·1	55·0	50·31
60·00	59·41	58·80	58·88	59 13	59·01	58·32	58·55	58·67	59·84	60·56	62·29	60·25

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
74·4	74·5	73·5	73·0	72·3	71·5	70·1	70·0	69·2	68·6	68·3	67·6	70·47
71·5	71·5	71·5	71·5	71·0	70·5	70·0	69·6	69·3	69·0	69·0	68·5	69·95
69·7	69·3	69·0	68·4	67·6	67·2	66·6	66·0	65·6	65·1	64·4	63·8	68·00
65·9	66·0	65·6	66·0	65·6	65·0	64·7	64·2	64·0	63·4	63·0	62·5	64·67
62·9	62·8	63·3	63·0	63·0	63·0	63·0	63·0	63·0	62·6	62·6	62·6	62·60
70·5	70·5	70·0	69·7	69·1	68·6	—	—	—	—	—	—	67·14
—	—	—	—	—	—	66·0	66·0	65·4	64·8	64·4	63·6	
68·6	68·6	68·7	68·6	68·6	68·0	67·4	67·8	67·5	67·0	66·6	66·1	66·48
70·3	70·3	70·3	70·5	70·1	69·9	69·7	69·5	69·4	69·3	69·2	68·7	69·05
73·2	72·6	72·3	71·8	71·6	71·6	71·0	70·8	70·1	69·8	69·0	68·6	71·31
73·3	73·5	74·1	73·7	72·9	72·7	72·5	71·4	70·8	70·2	69·8	68·6	71·19
73·2	73·1	73·4	72·6	72·2	72·0	71·6	71·2	70·8	70·6	70·4	70·8	71·04
72·0	72·0	72·0	71·5	71·3	71·3	—	—	—	—	—	—	71·07
—	—	—	—	—	—	72·5	72·2	72·0	71·4	70·6	70 0	
69·5	69·5	69·2	69·4	69·0	68·8	68 5	68·4	68·1	68·0	67·6	67·4	69·17
68·8	69·0	69·5	69·3	69·2	69·0	68·8	68·6	68·0	67·8	67·4	66·6	67·97
70·7	71·0	71·8	71·9	70·8	70·7	70·0	69·8	69·4	69·0	68·0	67·4	69·13
71·5	71·5	71·8	71·6	71·4	71·2	71·0	70·8	70·7	70·5	70·4	70·1	70·10
72·0	71·5	71·5	71·3	70 9	70·6	70·2	69·8	69·4	69·0	68·6	68·3	70 32
71·8	72·1	72·1	72·0	71·5	71·0	—	—	—	—	—	—	70·73
—	—	—	—	—	—	71·5	71·0	70·9	70·2	69·6	69·3	
74·4	74·4	75·2	74·8	74·6	74·6	74·0	73·5	73·1	72·7	72·5	71·9	72·89
75·0	74·7	74·7	74·5	74·0	73·8	73·5	72·8	72·2	71·8	71·4	71·1	73·25
72·2	72·0	72·6	72·9	72·9	72·6	72·6	72·6	72·6	72·0	72·2	72·2	71·82
71·4	71·2	71·0	70·6	70·5	69·8	69·3	69·0	68·6	68·0	67·6	67·4	70·17
69·7	69·7	69·7	69·5	69·0	68·2	68·0	67·6	67·1	66·6	66·6	65·6	68·30
70·8	71·0	70·8	69·8	69·5	66·8	—	—	—	—	—	—	69·02
—	—	—	—	—	—	69·5	69·3	68 7	68·2	68·9	68·0	
74·3	74·3	74·5	74·5	74·1	73·8	73·5	73·0	72·4	72·0	72·0	71·4	72·05
71·5	71·5	71·5	71·5	71·5	71·4	71·4	71·6	71·6	71·4	71·3	71·3	71·38
75·5	75·5	75·5	75·5	75·3	75·3	74·8	73·5	73·0	72·6	72·3	71·5	73·76
71·28	71·24	71·31	71·10	70·72	70·40	70·06	69·74	69·37	68·95	66·66	68·18	69·74

[a] Eight minutes late.

[b] Four minutes late.

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00007.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
AUGUST.	1	52·6	50·5	48·6	47·4	45·3	36·9	42·8	56·9	64·3	61·5	56·0	55·7
	2	48·9	51·8	52·9	53·2	53·2	49·0	48·7	49·0	51·2	52·3	56·5	56·5
	3	51·0	50·5	53·5	55·5	54·4	53·9	54·7	54·7	57·3	58·4	60·1	62·4
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	64·3	64·8	65·2	63·7	63·7	62·8	60·0	60·0	60·2	60·7	60·5	60·5
	6	61·6	61·6	61·6	60·9	60·9	59·6	59·0	58·2	59·1	59·9	58·6	58·5
	7	65·1	63·7	63·0	62·4	61·8	60·8	60·8	60·7	59·7	59·7	59·7	58·6
	8	57·0	57·7	57·7	58·8	55·8	55·8	54·6	55·6	55·9	55·9	55·0	55·0
	9	49·9	47·3	41·8	45·7	43·5	46·1	48·6	50·2	53·3	54·4	53·7	58·4
	10	58·0	57·4	57·4	57·2	56·3	54·1	54·3	54·9	54·9	55·6	55·6	55·7
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	68·6	70·9	69·6	68·7	67·1	67·1	64·1	63·6	66·0	64·9	64·3	63·0
	13	68·9	69·3	67·8	65·7	64·8	65·4 a	64·7	63·3	62·5	61·5	61·0	61·0
	14	64·2	64·2	63·9	64·7	63·7	63·5	63·5	62·5	62·5	61·8	61·4	61·4
	15	62·6	62·4	60·8	59·5	57·7	56·1	55·1	55·2	55·2	55·4	54·9	54·3
	16	58·7	58·7	57·3	55·9	53·5	50·5	50·5 b	51·7	51·7	54·5	54·3	55·6
	17	54·0	53·1	53·1	51·3	49·1	49·1	49·7	49·2	50·9	50·9	51·4	51·9
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	55·3	55·4	56·7	55·3	54·7	53·6	52·4	51·9	50·6	50·0	50·0	51·0
	20	52·2	53·5	54·1	55·2	55·1	53·2	51·9	52·1	53·2	53·9	54·8	54·7
	21	59·1	60·5	60·5	57·8	57·0	57·0	55·6	55·6	55·6	56·4	56·4	58·0
	22	60·6	60·6	60·6	58·6	58·6	59·8	59·8	62·6	66·5	64·3	65·3	68·2
	23	51·1	51·2	56·3	55·1	59·2	60·4	64·7	60·9	61·2	60·0	58·3	58·3
	24	61·7	62·2	60·2	60·4	62·3	62·3	60·2	60·7	65·0	66·1	72·5	70·0
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	67·9	68·8	68·8	65·8	65·5	64·4	64·4	64·4	64·8	64·8	65·5	66·1
	27	67·3	67·3	67·3	66·0	63·7	62·9	64·3	66·0	67·5	67·5	67·1	66·4
	28	70·0	70·0	69·4	69·2	67·9 b	67·4 a	67·2	67·2	67·9	67·6	68·4	67·3
	29	70·3	69·3	68·9	66·9 a	66·7	65·7	64·8	64·8	66·1	67·3	66·9	69·1
	30	64·6	63·6	62·2	63·5	63·5	65·9	67·6	68·2	69·8	69·8	68·8	67·1
	31	59·4	61·0	60·2	58·9	59·3	59·7	61·7	62·2	61·9	62·3	61·2	59·9
	32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		60·18	60·27	59·98	59·27	58·68	57·89	57·99	58·57	59·81	59·90	59·93	60·17

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
AUGUST.	1	72·1	72·3	73·4	73·4	73·6	73·5	74·5	75·0	75·5	75·9	76·2	76·6
	2	71·8	72·0	72·2	72·5	73·0	73·5	74·0	73·8	74·3	74·4	74·6	75·0
	3	68·7	68·5	68·7	68·7	69·0	69·5	69·7	70·4	70·7	71·0	71·3	71·4
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	65·3	65·5	66·0	66·5	67·0	67·5	68·0	68·5	68·8	69·3	69·5	69·5
	6	67·6	67·6	67·4	67·6	68·1	68·7	69·0	69·2	69·7	70·1	70·5	70·5
	7	66 0	66·5	66·8	67·6	67·6	68·6	68·9	69·2	69·5	70·0	70·0	70·2
	8	68·4	68·4	68·4	68·4	68·6	69·0	69·6	70·1	70·5	70·8	71·3	71·7
	9	70·5	70·3	70·3	70·5	71·0	71·9	72·5	73·0	73·0	73·2	73·2	73·3
	10	70·0	70·2	70·0	69·9	69 7	70·0	70·0	70·3	70·5	70·7	71·0	71·0
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	63·4	63·1	63·3	63·6	64·0	64·4	65·0	65·6	66·0	66·4	66·6	66·4
	13	63·6	63·5	63·6	64·1	64·8	65·0 a	65·8	66·5	66·9	67·2	67·6	67·6
	14	65·4	65·4	65·4	65·2	65·4	65·6	66·0	66·4	66·8	67·4	67·8	68·4
	15	66·2	66·0	67·0	67·4	68·0	68·6	69·3	69·9	70·3	71·0	71·3	71·7
	16	68·4	68·6	69·0	69·0	69·5	70·0	70·4 b	71·3	71·9	72·2	72·7	72·7
	17	71·0	71·0	71·2	71·5	71·7	72·3	72·5	73·0	73·0	73·4	73·6	73·7
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	69·5	69·2	69·3	69·5	69·9	70·5	71·3	71·5	71·7	72·4	73·0	73·4
	20	70·6	70·6	70·6	70·6	70·6	70·6	70·6	70·6	70·6	70·7	70·7	70·9
	21	66·4	66·4	67·2	67·5	68·1	68·4	68·5	68·5	68·5	68·5	68·0	68·4
	22	65·0	65·0	65·0	65·0	65·0	65·0	65·0	65·4	65·6	66·2	67·0	67·2
	23	68·0	68·4	68·5	68·6	68·6	68·6	68·8	69·0	69·0	69·0	69·4	69·5
	24	65·0	65·5	65·5	66·0	66·4	66·7	67·0	67·6	67·6	67·6	67·6	67·4
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	62·6	62·4	62·6	63 0	63·7	64·3	64·6	65·0	65·4	65·6	65·6	65·6
	27	63·3	62·8	63·0	63·1	63·5	63·8	64·0	64·0	64·4	64·4	64·8	65·0
	28	62·1	62·0	62·4	62·4	63·0 b	63·2 a	63·5	63·5	64·0	64·2	64·4	64·4
	29	62·0	62·0	62·2	63·0 a	63·3	63·6	64·2	64·3	64·5	65 0	65·3	65·6
	30	63·4	62·8	62·2	62·7	63·0	63·6	63·8	64·4	64·8	65·0	65·3	65·6
	31	66·2	66·2	66·3	66·6	67·0	67·6	68·2	68·4	68·5	68 7	69·4	69·5
	32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		66·76	66·76	66·94	67·18	67·52	67·93	68·32	68·68	68·96	69·27	69·54	69·71

a Three minutes late. b Two minutes late. c Four minutes late.

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00007.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
56·0	56·0	49·8	46·1	46·1	44·5	39·6	36·9	35·5	33·5	40·8	43·5	47·78
58·6	55·3	53·2	41·0	49·2	49·2	48·1	42·4	47·4	46·0	49·8	51·0	50·60
62·1	60·6	57·6	57·8	52·5	40·4	—	—	—	—	—	—	55·70
—	—	—	—	—	—	53·2	50·4	57·5	55·5	58·8	63·7	
62·3	60·7	58·8	58·8	59·1	59·7	59·7	60·0	58·5	58·5	59·8	59·7	60·90
58·0	57·8	57·8	58·8	58·8	59·2	59·6	59·8	61·0	61·0	63·0	64·4	59·95
57·9	56·9	56·9	57·8	57·8	58·1	58·1	57·9	57·6	56·8	56·8	58·5	59·46
54·4	54·4	53·1	54·0	53·1	53·5	50·9	50·9	53·1	53·9	53·1	54·7	54·62
59·8	57·7	59·0	57·1	54·8	48·6	49·0	48·7	51·7	45·5	48·2	50·1	50·96
55·7	55·9	57·0	51·5	56·0	57·0	—	—	—	—	—	68·6	58·33
—	—	—	—	—	—	64·0	65·6	64·5	64·0	68·6		
62·9	62·2	63·2	63·9	64·7	63·5	62·8	60·6	60·6	60·2	67·5	68·9	64·95
61·0	61·0	60·1	60·7	60·7	61·3	61·3	62·7	63·6	63·6	64·3	64·2	63·35
61·4	58·9	58·9	59·3	59·3	60·4	60·4	60·4	60·1	60·1	61·0	62·1	61·65
53·7	52·8	54·2	54·2	54·6	54·6	55·4	55·6	55·8	55·8	57·9	57·9	56·32
54·0	52·7	52·7	52·8	52·8	51·9	52·7	52·7	51·4	51·4	53·4	54·3	53·57
51·9	51·6	51·5	53·2	51·3	51·9	—	—	—	—	—	—	52·03
—	—	—	—	—	—	54·8	54·8	52·0	52·0	55·0	55·0	
49·1	48·7	47·5	47·5	48·6	48·6	48·6	48·5	50·4	51·5	53·3	53·3	51·35
54·7	54·7	54·7	55·7	55·7	55·0	55·0	56·3	57·4	56·3	58·7	59·1	54·88
57·7	57·0	56·2	57·5	59·5	60·2	60·5	60·5	60·5	61·1	60·8	60·8	58·41
65·8	67·7	64·3	54·5	54·5	59·2	59·2	58·2	51·7	48·8	52·1	47·8	59·55
57·0	58·7	58·6	55·0	57·6	42·6	50·1	52·3	56·3[a]	52·7	57·3	58·5	56·40
67·5	64·8	64·8	63·8	63·8	63·8	—	—	—	—	—	—	63·73
—	—	—	—	—	—	54·0	60·9	62·1	64·4	67·9	68·0	
66·1	65·0	65·0	63·3	64·3	65·4	64·8	64·8	64·8	65·8	67·0	67·0	65·60
65·7	65·4	65·4	65·0	62·0	64·1	65·7	65·7	66·3	66·3	67·4	69·5	65·91
63·8	65·8	65·8	64·5	65·5	66·2	67·1	67·6	67·6	67·2	68·9	69·3	67·53
71·0	72·7	70·4	77·1	44·4	68·5	69·0	60·7	52·0	60·3	64·3	64·0	65·88
68·1	65·2	57·1	61·7	61·7	57·0	41·7	54·0	56·8	60·8	55·1	54·3	62·00
59·9	59·9[d]	59·0	57·3[e]	57·0	54·4	—	—	—	—	—	—	58·63
—	—	—	—	—	—	52·6	55·4	55·1	55·3	56·1	58·5	
59·93	59·26	58·25	57·41	56·50	56·25	56·23	56·46	56·71	56·60	58·78	59·51	58 52

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
76·7	76·7	76·7	76·3	75·8	75·5	74·7	74 3	74·0	73·3	72·5	71·8	74·60
73·0	74·9	74·8	74·2	73·9	73·3	72·3	71·4	71·0	70·6	70·0	69·3	72·99
71·3	71 0	71·0	70·6	70·8	70·5	—	—	—	—	—	—	69·23
—	—	—	—	—	—	67·6	67·0	66·8	66·0	65·6	65·4	
69·5	69·5	69·5	69·2	69·0	68·5	68·5	68·3	68·1	68·1	68·0	67·6	68·13
70·5	70·5	70·1	69·5	69·4	69·0	68·5	68·1	67·6	67·3	66·9	66·5	68·75
70·4	70·5	70·4	70·3	70·1	69·8	69·8	69·5	69·5	69·3	69·0	68·8	69·09
72·0	71·8	72·3	72·4	72·4	71·9	72·0	71·8	71·0	71·0	71·0	70·8	70·65
73·3	73·5	73·5	73 2	73·0	72·6	72·3	71·7	71·5	71·0	70·5	70·2	72·04
71·0	70 8	70·6	70·4	70 0	70·0	—	—	—	—	—	—	68·88
—	—	—	—	—	—	65·6	65·0	64·8	64·5	63·8	63·4	
66·6	66·6	66·6	66·6	66·4	65·8	65·6	65·0	64·7	64·1	63·7	63·6	65·13
67·6	67·6	67·6	67·4	67·1	66·9	66·4	66·6	66·4	66 0	65·0	65·6	66·13
69·4	69·4	69·5	68·6	68·4	68·2	67 9	67·4	67·0	67 0	66 6	66·4	67·13
71·9	71·7	71·3	71·0	70·7	70·4	70·2	70·0	69·7	69·4	68·8	68·1	69 58
72·6	72·4	72·4	72·4	72·4	72 4	72·4	72·0	71·9	71·5	71·5	71·3	71·29
73·5	73·5	73·1	72·5	71·7	71·0	—	—	—	—	—	—	71·70
—	—	—	—	—	—	69·8	69 6	69·8	69·5	69·5	69·5	
73·5	73·7	73·7	73·9	73·3	72·8	72·5	72·5	72·2	72·2	71·9	71·4	71 87
71·0	70·8	70·5	69·5	69·2	69 0	68·4	67·6	67·3	67·3	67·3	66·7	69·68
68·5	68·6	68·5	68·4	67·8	67·4	66·8	66·4	65·8	65·6	65·5	65·4	67·46
67·6	68·2	68·5	68·4	68·5	68·4	68·4	68·3	68·2	68·1	68·0	68·0	66·88
69·5	70·0	69·2	68·6	68·1	67·7	67·3	67·1	66·8[e]	66·6	66·0	65·5	68·24
67·0	67·0	67·0	66·6	66·2	66·0	—	—	—	—	—	—	65·89
—	—	—	—	—	—	64·3	64·3	63·8	63·6	63·0	62·6	
65·5	65·4	65·0	65·3	65·0	64·6	64·6	64·0	63·6	63·6	63·6	63·5	64·34
63·2	65·3	65·1	64·8	64·4	64·4	63·8	63·4	63·2	62·8	62·5	62·5	63 90
64·2	64·4	64·4	64·0	64·0	63·6	63·4	63·0	62·7	62·5	62·4	62·2	63·33
65·9	66·4	66·4	66·0	66·9	66·4	65·0	64·8	65·4	64·0	63·6	63·4	64·55
65·6	66·8	67·6	67·6	67·4	67·0	66·8	66·8	66·7	66·6	66·6	66·8	65·37
69·5	69·3[d]	69·3	69·1[e]	68·6	68·6	—	—	—	—	—	—	68·25
—	—	—	—	—	—	68·5	68·5	68·5	68·5	68·5	68·5	
69·79	69·86	69·80	69·52	69·28	68·95	68·27	67·94	67·70	67·41	67·11	66·84	68·33

[a] Nine minutes late. [e] Ten minutes late.

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
SEPTEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	58·5	58·5	56·3	56·8	56·8	55·4	56·1	56·5	57·4	57·4	55·3	54·3
	3	61·7	61·7	60·9	60·9	58·8	58·0	59·0	58·7	58·4	58·4	57·4	56·2
	4	58·4	60·2	58·7	57·5	57·7	57·7	57·7	57·9	58·5	60·5	61·6	59·3
	5	64·5	65·0	64·2	63·4	62·5	61·1	61·1	62·0	61·2	61·2	60·9	59·6
	6	64·7	64·7	63·3	60·9	59·6	58·3	57·4	58·4	57·9	57·6	57·8	56·6
	7	61·7	60·7	59·0	58·0	56·0	55·8	55·8	56·9	57·3	56·4	56·4	56·4
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	58·4	57·4	56·9	58·1	59·2	59·9	59·2	59·8	59·8	58·2	60·3	58·2
	10	62·0	62·3	61·5	61·7	61·7	61·8	61·7	60·5	59·4	57·3	56·4	54·4
	11	58·7	58·9	57·5	57·5	57·5	56·9	56·2	56·3	55·3	56·4	54·8	54·1
	12	58·6	60·5	59·3	58·7	57·3	57·8	57·0	58·1	58·1	59·2	58·5	56·8
	13	61·6	61·6	60·0	59·4	57·1	57·0	56·7	57·5	56·4	56·9	56·3	54·9
	14	61·3	59·3	58·8	58·3	57·2	56·1	58·1	56·6	56·9	55·0	53·3	52·2
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	54·7	54·3	53·0	52·1	50·9	49·5	49·5	49·1	49·1	48·9	48·9	46·0
	17	54·1	54·6	52·9	50·8	50·5	51·1	51·0	49·4	49·2	48·2	45·4	45·4
	18	54·9	53·1	51·9	50·1	49·4	49·6	50·6	51·3	51·7	53·3	51·3	49·8
	19	52·9	51·6	51·5	52·2	51·3	50·7	50·7	51·5	52·9	50·9	50·8	49·9
	20	39 3	47·4	48·3	47·6	47·3	49·7	48·9	47·8	52·6	50·7	49·4	48·5
	21	44·1	46·1	47·5	46·7	46·7	46·1	46·1	48·5	50·8	52·6	54·3	54·3
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	73·1	73·1	73·2	71·0	71·6	70 6	71·6	72·6	72·6	72·0	72·0	72·0
	24	76·6	78·7	77·8	76·7	78·2	76·8	79·1	79·9	79·5	78·9	77·1	76·3
	25	71·1	75·4	76·5	76·5	76·4	77·6	77·6	81·0	82·3	83·9	84·1	84·1
	26	68·7	78·5	77·3	79·4	78·2	82·4	83·2	88·7	90·8	94·5	87·8	87·3
	27	66·9	81·4	83·4	82·5	82·2	83·5	79·8	86·7	88·1	87·7	85·6	85·5
	28	89·3	89·7	90·0	89·7	87·8	85·8	88·5	87·8	86·5	86·9	86·2	86·2
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	87·8	87·3	85·9	84·9	86·9	86·9	86·2	84·6	83·1	83·1	83·1	82·5
Hourly Means		62·54	64·08	63·42	62·86	62·33	62·24	62·36	63·12	63·43	63·45	62·60	61·66

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
SEPTEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	68·2	68·3	68·4	68·4	68·5	68·6	69·0	69·0	69·6	70·1	70·6	71·4
	3	66·8	66·6	67·2	67·6	69·2	68·4	68·6	68·7	69·2	69·5	70·0	70·6
	4	66·0	67·0	67·6	67·9	68·3	68·6	68·6	69·0	69·2	69·3	69·6	69·7
	5	64·2	64·0	64·0	64·5	65·5	66·0	66·5	66·6	66·8	67·0	67·3	67·3
	6	63·8	64·4	64·8	65·4	66·2	66·8	67·4	68·0	68·4	68·7	69·0	69·2
	7	65·6	65·8	66·5	67·4	67·7	68·0	68·6	69·0	69·2	69·3	69·7	69·5
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	67·4	67·4	67·4	67·4	67·4	67·6	67·6	68·2	68·2	68·6	68·6	68·6
	10	66·6	66·4	66·4	66·5	66·4	66·6	67·0	67·5	68·0	68·6	69·0	69·0
	11	67·4	67·4	67·4	67·4	67·4	67·6	68·0	68·4	68·7	69·0	69·0	69·1
	12	66·7	65·5	66·4	66·6	67·2	67·6	68·0	68·4	68·6	68·8	69·3	69·3
	13	66 6	66·2	66·2	66·8	67·0	67·8	68·3	68·5	68·8	69·0	69·3	69·3
	14	65·6	66·0	66·2	66·6	67·3	67·7	68·3	69·0	69·5	70·0	70·5	71·0
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	69·5	69·4	69·5	70 0	70·5	71·5	72·0	72·3	72·7	73·0	73·9	74·3
	17	69·0	68·7	69·0	69·5	70·0	71·0	71·5	72·1	72·7	73·5	74·1	74 6
	18	69·3	69·9	70·0	70·2	70·2	70·8	70·9	71·1	71·3	71·3	71·4	71·5
	19	68·3	67·9	68·0	68·1	68·3	68·9	69·5	69·5	70·0	70·7	71·3	71·6
	20	69·5	69·7	70·1	70·5	71·0	71·5	72·0	72·6	73·0	73·5	73·7	73·8
	21	71·0	70·8	71·3	72·0	72·4	72·4	72·0	71·4	70·7	70·2	69·5	69·1
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	57·8	57·8	57·8	58·4	59·0	59·2	59·4	59·2	59·3	59·3	59·3	59·6
	24	56·5	56·6	56·5	56·5	56·3	56 9	57·1	57·3	57·5	57·9	58·3	58·3
	25	56·0	55·5	55·0	55·0	55·2	55·4	55·5	55·5	55·6	55·7	55·8	55·6
	26	53·6	54·0	54·3	54·3	55 3	55·3	55·6	56·0	56·2	56·2	56·2	56·3
	27	52·0	52·0	53·0	52·8	53·3	53·6	53·8	53·8	54·1	54·3	54·8	55·1
	28	51·2	50·6	50·3	50·2	50·4	51·0	51·4	52·1	52·1	52·5	52·8	53·1
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	52·0	51·6	52·2	52·4	53·0	54·0	54·8	55·3	55·7	56·3	57·0	57·1
Hourly Means		63·62	63·62	63 82	64·10	64·52	64·91	65·26	65·54	65·60	66·09	66·40	66·56

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^r. = ·00007.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
—	—	—	—	—	—	—	—	—	—	—	—	—
53·1	53·7	55·0	56·4	54·2	55·6	55·6	58·7	58·8	59·3	58·2	57·3	56·47
54·2	54·2	54·2	54·9	56·5	54·9	52·5	58·4	59·7	59·7	59·7	61·2	57·92
58·8	58·2	58·2	60·2	60·2	60·2	60·3	62·3	61·7	61·4	62·4	63·7	59·72
59·5	59·5	59·5	60·9	61·9	61·8	61·9	62·2	62·7	62·9	63·6	64·7	62·00
56·7	56·7	56·7	56·7	56·7	57·9	56·7	56·8	58·0	59·3	59·9	59·7	58·72
56·8	56·5	56·5	56·5	56·5	53·6	—	—	—	—	—	—	55·89
—	—	—	—	—	—	50·0	47·3	46·3	54·3	58·3	58·3	
58·2	55·8	57·8	57·8	60·1	60·1	59·6	56·8	56·8	56·8	59·9	61·7	58·62
54·4	54·4	55·6	56·0	56·0	56·0	56·0	57·8	57·8	57·6	57·8	58·3	58·27
55·0	54·9	54·9	56·5	56·8	57·6	56·7	57·5	57·5	58·3	58·6	58·6	56·79
55·7	54·6	54·6	54·9	55·3	56·9	56·9	56·9	59·1	58·8	60·2	60·2	57·67
54·1	54·4	53·8	53·8	56·3	56·8	58·3	58·7	58·7	59·0	59·0	58·7	57·37
52·2	50·5	52·3	50·4	44·3	50·3	—	—	—	—	—	—	53·39
—	—	—	—	—	—	50·7	44·7	45·7	51·5	49·9	55·8	
46·0	46·3	51·7	51·7	50·8	50·8	50·8	51·7	51·7	53·0	54·1	54·1	50·78
42·3	42·3	46·3	42·9	47·7	48·3	49·5	49·1	49·0	49·7	51·8	54·1	48·98
49·5	46·9	47·5	48·0	46·5	48·5	44·8	49·2	51·3	50·9	51·3	53·0	50·19
49·9	49·3	50·7	33·8	45·3	47·3	38·9	47·9	47·5	52·3	52·3	36·7	48·70
46·8	46·6	47·1	43·7	44·3	47·0	42·0	36·8	43·1	41·2	43·3	43·7	45·96
56·4	57·1	56·3	60·7	60·7	60·6	—	—	—	—	—	—	55·63
—	—	—	—	—	—	70·7	68·3	54·6	65·4	69·7	70·9	
72·0	71·7	72·7	72·9	75·1	70·3	70·0	68·8	69·3	71·2	71·2	75·9	71·91
76·3	75·4	75·4	73·0	69·9	73·2	74·6	76·4	77·0	77·6	77·0	77·0	76·60
93·9	96·3	83·0	80·8	78·1	81·3	83·9	83·2	73·2	70·0	73·7	63·8	79·49
88·0	84·0	83·9	83·5	83·5	78·2	78·2	63·2	46·3	68·4	68·0	64·2	78·60
84·8	84·7	84·7	81·8	75·8	70·3	83·2	85·7	86·9	87·5	88·0	88·3	83·12
87·4	87·4	87·4	87·4	87·4	89·0	--	—	—	—	—	—	84·22
—	—	—	—	—	—	65·6	65·6	67·6	75·9	79·6	86·5	
81·9	83·6	73·8	73·9	74·4	69·9	62·9	17·5	3·8	2·2	34·5	32·8	68·06
61·76	61·40	61·18	60·36	60·57	60·66	59·61	57·66	56·16	58·75	60·88	60·77	61·40

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
—	—	—	—	—	—	—	—	—	—	—	—	—
71·5	71·5	71·2	70·5	70·0	69·3	69·3	68·5	68·4	68·2	67·8	67·2	69·31
70·4	70·4	70·4	69·7	69·0	68·6	68·5	68·0	67·7	67·4	67·1	66·6	68·57
69·5	69·0	68·6	68·4	67·3	66·9	66·0	66·0	65·8	65·6	65·0	64·6	67·65
67·4	67·3	66·8	66·9	66·8	66·6	66·0	65·5	65·0	64·8	64·3	63·8	65·87
69·2	69·2	68·9	68·7	68·3	68·0	67·6	67·4	67·0	66·7	66·4	66·0	67·31
69·5	69·5	69·5	69·5	69·0	68·5	—	—	—	—	—	—	68·41
—	—	—	—	—	—	68·7	68·5	68·3	68·3	68·3	67·9	
68·6	69·0	69·0	68·6	68·4	68·0	67·6	67·6	67·4	67·4	67·1	66·8	67·91
69·3	69·5	69·3	69·1	68·8	68·5	68·3	68·4	68·2	68·0	68·0	67·6	67·96
69·3	69·5	69·0	68·7	68·5	68·5	68·2	68·0	67·5	67·5	67·0	66·8	68·14
69·7	69·8	69·7	69·3	69·0	68·6	68·4	67·6	67·2	66·8	66·6	66·4	68·03
69·5	69·8	69·5	69·1	68·8	68·5	67·8	67·4	67·0	66·6	66·1	65·8	67·91
71·0	71·4	71·2	71·0	72·0	72·0	—	—	—	—	—	—	69·45
—	—	—	—	—	—	70·0	70·6	70·2	70·0	70·0	69·6	
74·5	74·3	74·0	73·7	73·0	72·6	72·0	71·7	71·0	70·3	70·2	69·7	71·90
74·6	74·5	74·1	73·8	73·7	73·5	73·0	72·5	72·0	70·8	70·3	69·6	72·00
71·8	72·5	72·5	72·1	72·5	72·9	72·1	71·3	70·5	70·1	69·4	69·0	71·03
71·6	72·0	72·0	71·8	71·4	71·2	71·5	70·9	70·4	70·0	69·8	69·5	70·18
73·8	73·7	73·7	73·5	73·2	72·6	72·5	72·5	72·3	72·0	71·7	71·4	72·24
68·5	68·0	67·3	66·4	65·8	65·0	—	—	—	—	—	—	66·95
—	—	—	—	—	—	59·6	59·3	58·8	58·8	58·6	58·0	
59·6	59·0	58·9	58·7	59·3	59·0	59·3	58·6	58·2	57·6	57·3	56·9	58·69
58·6	58·5	58·8	58·4	58·2	58·0	57·6	57·4	57·0	56·6	56·4	56·3	57·40
55·9	55·7	55·6	55·5	55·4	55·1	55·0	54·7	54·5	54·3	54·1	54·3	55·25
56·3	56·6	56·1	56·0	55·7	55·2	55·0	54 7	54·3	53·3	52·6	52·6	55·07
55·2	55·2	54·8	54·3	53·8	53·5	52·7	52·3	52·0	51·6	51·3	51·0	53·35
53·1	53·1	53·0	52·7	52·4	52·4	—	—	—	—	—	—	52·12
—	—	—	—	—	—	53·2	53·2	52·8	52·6	52·6	52·1	
57·3	56·6	56·1	55·5	55·0	54·6	54·3	55·1	55·3	54·9	54·9	54·5	54·81
66·63	66·62	66·40	66·08	65·81	65·50	64·97	64·71	64·35	64·01	63·72	63·36	65·10

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00007.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
OCTOBER.	1	39·4	49·6	63·3	73·1	80·0	91·5	89·3	97·4	94·4	92·8	101·2	96·2
	2	86·3	88·3	85·7	85·6	84·8	83·8	83·6	83 6[a]	81·3	82·4	79·7	79·5
	3	79·3	78·8	77·0	77·0	76·3	74·5	74·5	74·6	75·9	75·5	73·4	73·4
	4	79·3	79·3	78·1	78·0	76·9	75·3	75·7	75·1	76·4	77·1	76·0	76·0
	5	80·7	80·7	81·2	81·2	79·8	78·9	80·7	81·6	84·6	82·7[b]	82·7	82·0
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	86·3	88·3	88·3	89·3	86·9	86·0	86·0	87·5	87·6	86·6	85·6	85·2
	8	91·4	91·2	91·6	87·3	87·3	85·1	84·8[c]	84·8	84·8	81·1	79·3	78·0
	9	77·8	74·5	74·5	79·3	74·8	73·6	73·6	75·2	74·4	74·4	74·4	68·1
	10	76·4	76·4	76·4	76·4	75·5	74·7	74·7	77·6	77·6	78·1	76·5	76·5
	11	84·2	84·2	84·2	83·5	80·8	78·5	79·5	81·8	80·5	80·0[d]	79·1	78·0
	12	86·3	87·8	86·8	85·6	84·3	81·5	82·8	81·2	81·2	81·3	79·3	80·6
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	84·3	84·3	82·2	83·9	80·3	80·1	78·3	79·0	79·7	82·0	82·7	79·6
	15	78·9	78·8	81·0	79·0	76·7	75·1	75·3	76·4	76·9	76·7	76·9	76·9
	16	83·3	83·8	84·8	81·9	80·5	79·4	80·0	80·0	80·2	80·2	80·1	79·4
	17	84·2	82·7	84·4	85·1	83·4	83·4	83·4	83·5	82·2	83·5	85·3	84·5
	18	82·6	84·4	87·1	86·6	85·4	85·4	85·4	85·4	85·4	85·0	85·5	84·4
	19	85·1	86·4	84·0	84·3	85·1	83·3	83·5	83·9	85·6	85·6	86·4	86·2
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	68·6	78·8	82·5	91·6	94·2	94·1	94·1	94·1	94·5	94·7	95·0	93·0
	22	89·6	90·4	91·1	90·1	89·0	88·1	86·6	86·6	86·6	85·9	83·4	83·3
	23	85·3	86·4	86·4	88·0	88·0	88·0	89·1	88·2	87·3	86·1	84·5	84·4
	24	81·6	83·7	83·5	81·3	79·5	78·4	79·2	79·8	79·1	78·2	77·9	77·6
	25	64·9	73·5	76·1	75·3	75·7	74·7	74·8	76·2	79·2	83·9	80·7	81·2
	26	72·4	78·3	78·9	78·9	79·9	82·1	84·0	83·5	85·8	88·5	88·5	90·8
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	93·4	97·7	97·7	97·8	96·0	96·0	96·1	97·3	97·3	99·0	100·2	102·2
	29	100·5	100·5	101·0	100·5	101·9	104·0	103·4	104·1	104·1	106·0	102·6	105·1
	30	95·8	98·0	98·8	98·8	97·5	97·4	97·4	96·2	96·2	97·7	98·2	98·7
	31	98·7	99·9	98·8	97·2	96·2	94·4	94·4	94·4	94·8	95·1	94·4	92·3
Hourly Means		82·10	83·95	84·64	85·06	84·32	83·97	84·08	84·78	84·95	85·20	84·80	84·19

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
OCTOBER.	1	53·8	53·1	54·0	53·9	53·9	54·5	54·8	55·2	55·5	56·1	56·5	56·8
	2	52·7	52·6	54·9	54·3	54·6	55·1	55·3	55·8[a]	56·3	56·8	57·3	57·7
	3	57·5	57·3	57·5	58·0	58·4	58·7	59·2	59·3	59·4	59·8	60·2	60·6
	4	57·0	56·6	57·0	57·0	57·2	57·9	58·5	59 2	59·2	59·2	59·2	59·3
	5	56·1	56·1	55·8	55·7	55·6	55·6	55·7	56·1	56·1	56·3[b]	56·3	56·3
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	52·1	52·1	51·8	51·0	51·4	51·8	52·0	52·6	52·6	53·0	53·5	53·8
	8	49·3	49·5	49·8	51·0	50·8	51·6	52·4[c]	53·3	54·2	55·6	56·3	57·0
	9	56·3	56·3	56·6	56·8	58·0	58·8	59·2	59·5	60·0	60·5	61·0	62·0
	10	58·0	57·8	57·5	57·7	57·4	57·6	57·6	57·8	57·5	57·8	58·3	58·2
	11	53·5	53·3	53·3	53·8	54·2	54·9	55·0	55·3	55·9	56·3[d]	56·7	57·3
	12	52·1	51·9	52·1	52·5	53·1	53·9	54·5	54·9	55·3	55·5	56·2	56·5
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	54·4	54·5	54·4	54·1	54·3	54·8	54·6	54·8	54·8	54·8	55·0	55·4
	15	56·0	55·7	56·0	56·0	56·3	56·8	57·0	57·0	57·0	57·0	57·1	57·1
	16	53·7	53·3	53·5	54·7	54·5	54·5	54·7	55·0	55·0	55·3	55·8	55·3
	17	53·9	53·9	53·5	53·3	53·4	53·4	53·4	53·5	53 5	53·5	53·3	53·5
	18	53·0	52·7	52·3	52·2	52·0	52·2	52·3	52·3	52·3	52·3	52·3	52·5
	19	52·3	52·0	52·0	52·0	51·7	51·8	51·5	51·5	51·4	51·5	51·3	51·1
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	46·0	46·0	48·1	46·6	47·0	47·6	48·0	48·4	48·6	48·8	49·4	49·5
	22	50·1	50·1	49·8	49·9	50·9	51·6	52 3	53·0	53·3	54·0	54·7	54·9
	23	51·4	51·4	51·2	51·1	51·1	51·5	52·0	52·6	53·0	53·9	54·5	54·9
	24	55·1	54·3	55·1	55·3	56·1	56·3	56·5	57·0	57·7	58·3	58·3	58·4
	25	56·5	56·5	57·0	57·0	57·2	57·4	57·8	57·9	58·4	58·4	59·0	59·4
	26	55·5	55·3	55·2	5 ·1	55·0	5 ·1	55·3	55·8	55·5	55·5	55·3	55·5
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	46·0	45·5	45·5	45·0	45·0	45·3	45·4	45·4	45·4	45·4	45·2	45·1
	29	4 ·1	42·9	42·5	42·4	42·2	41·6	41·8	41·8	41·8	42·2	43·0	43·0
	30	4 ·1	44·1	44·0	44·0	44 1	45·0	45·4	45·8	45·8	45·8	45·8	45·6
	31	4 ·8	44·4	44·4	45·1	45·7	46·6	46·8	47·6	48·3	48·7	49·0	49·5
Hourly Means		52·38	52·19	52·40	52·43	52·63	53·03	53·30	53·64	53·84	54·16	54·46	54·67

[a] Five minutes late. [b] Two minutes late. [c] Eight minutes late. [d]

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

12^{h}.	13^{h}.	14^{h}.	15^{h}.	16^{h}.	17^{h}.	18^{h}.	19^{h}.	20^{h}.	21^{h}.	22^{h}.	23^{h}.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
82·1	81·9	80·6	80·3	79·7	79·7	82·9	82·8	82·8	84·5	84·5	85·3	81·47
79·5	80·2	79·1	74·3	74·3	77·5	77·5	—	75·1[b]	74·9	79·0	77 8	80·80
73·8	73·8	75·2	76·0	76·0	76·0	73·5	73·5	75·8	77·8	78·0	78·3	75·75
74·3	75·9	80·7	82·6	83·0	84·0	84·0	74·8	72·2	79·8	79·8	79·8	78·09
82·5	82·8	81·7	81·7	83·0	83·0	—	—	—	—	—	—	82·31
—	—	—	—	—	—	81·1	83·6	84·5	84·9	84·7	85·2	
84·7	86·3	87·4	85·3	86·4	76·7	83·0	87·0	87·0	87·0	89·4	91·4	86·48
78·0	78·7	78·9	78·8	78·8	80·4	80·4	79·8	79·8	79·0	78·8	77·8	82·33
68·1	69·4	69·4	71·9	73·2	73·4	75·1	75·1	77·0	77·0	76·2	76·2	74·03
76·6	77·9	77·4	78·0	78·3	78·7	79·0	79·2	80·2	83·6	84·0	84·3	78·08
78·0	78·4	79·0	79·9	79·8	80·8	80·8	81·4	81·4	83·6	83·6	84·7	81·07
78·1	77·9	80·4	80·4	80·4	80·4	—	—	—	—	—	—	82·10
—	—	—	—	—	—	80·2	82·6	82·6	82·1	84·0	82·6	
79·9	80·9	79·7	79·7	80·0	78·9	78·9	75·3	77·5	71·0	74·4	76·8	79·56
10·6	78·9	78·9	78·9	78·9	79·9	78·3	78·7	78·7	80·1	79·2	81·6	78·22
79·4	80·2	79·4	79·8	80·2	80·9	79·9	79·9	84·3	84·1	84·2	83·3	81·22
85·0	84·2	84·1	84·3	83·7	83·1	82·6	83·7	83·7	84·1	84·1	81·5	86·74
84·7	85·1	85·7	85·7	85·7	85·3	85·3	83·3	84·3	84·3	84·3	84·3	85·02
86·3	86·3	87·6	87·6	87·6	85·8	—	—	—	—	—	—	79·23
—	—	—	—	—	—	—[a]	40·0	69·9	61·7	50·8	59·4	
94·1	91·3	91·3	86·6	85·9	85·9	85·9	88·2	89·2	87·4	87·4	89·6	89·08
81·9	84·3	84·3	84·3	83·5	84·7	84·9	84·9	83·4	81·3	82·8	82·8	85·57
84·2	83·1	83·2	82·7	81·7	80·3	80·0	78·9	80·1	80·8	80·4	80·2	84·05
79·8	82·0	84·7	81·8	81·8	81·8	81·7	78·4	68·0	69·2	62·6	51·0	59·0	77·08
86·3	85·3	83·2	81·7	75·8	75·8	76·8	66·2	65·2	59·6	60·8	64·7	74·90
87·2	84·8	87·8	85·9	78·2	76·2	—	—	—	—	—	—	85·20
—	—	—	—	—	—	80·3	90·4	91·9	94·6	94·6	92·2	
99·5	101·6	101·1	100·5	99·8	98·1	98·6	96·9	96·6	100·3	100·3	100·4	98·52
103·5	102·7	102·1	101·3	99·4	100·7	100·7	100·7	100·7	93·5	92·6	97·4	101·21
98·9	98·5	98·1	98·4	98·4	96·6	97·7	96·7	98·3	102·0	101·8	97·5	98·07
92·3	92·3	93·7	93·7	93·5	93·5	—	92·6	94·0	94·8	93·9	96·9	94·86
83·53	83·88	84·25	83·78	83·22	82·89	82·99	81·32	82·42	82·09	81·65	82·63	83·62

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
57·0	56·8	56·8	56·3	55·5	55·2	55·0	54·5	54·0	53·5	53·1	53·0	54·95
58·1	58·1	58·3	58·8	58·8	58·5	58·1	—	58·3[b]	58·3	58·3	57·8	56·73
60·2	59·0	59·8	59·4	58·9	58·5	59·1	58·7	58·5	58·2	57·8	57·3	58·85
59·6	59·6	59·1	59·2	58·6	58·3	57·8	57·5	57·2	56·8	56·7	56·4	58·09
56·3	55·3	56·3	56·1	56·0	55·8	—	—	—	—	—	—	55·37
—	—	—	—	—	—	54·7	54·1	53·5	53·0	52·8	52·3	
53·8	53·6	53·3	52·9	52·4	52·2	52·0	51·5	51·1	50·8	50·2	49·8	52·14
57·3	57·1	57·1	57·1	57 0	56·8	56·8	57·3	56·8	56·7	56·3	56·3	54·72
61·8	61·0	60·6	60·6	60·2	59·6	59·1	59·2	59·0	58·4	58·0	57·8	59·18
58·0	57·8	57·3	57·3	56·8	56·4	55·8	55·5	54·8	54·4	54·0	53·7	56·88
57·3	57·0	56·7	56·3	55·7	55·4	55·1	54·3	53·5	53·0	52·3	52·3	54·93
56·4	56·3	56·0	55·5	55·5	55·5	—	—	—	—	—	—	54·60
—	—	—	—	—	—	54·6	54·4	54·4	54·4	54·4	54·0	
55·8	56·9	56·1	56·3	56·1	56·1	56·1	56·4	56·5	56·5	56·4	56·0	55·42
56·5	56·1	56·3	55·9	55·6	55·3	55·3	55·0	55·0	54·7	54·5	54·0	55·97
55·5	55·3	55·3	55·3	55·0	54·7	54·7	54·3	54·1	54·0	54·0	54·0	54·65
53·5	53·8	54·2	53·9	53·7	53·7	53·7	53·7	53·5	53·3	53·3	53·3	53·57
52·5	52·3	52·3	52·3	52·5	52·5	52·7	53·3	53·6	53·6	53·6	52·5	52·59
51·1	50·5	50·2	49·9	49·8	49·2	—	—	—	—	—	—	50·20
—	—	—	—	—	—	—[a]	47·2	47·6	46·6	46·4	46 0	
49·5	49·7	49·9	50·3	50·3	50·5	50·5	50·3	50·0	50·2	50·2	49 9	48·97
55·1	54·9	54·3	53·8	53·5	53·3	53·0	52·4	52·2	52·1	52·0	51·9	52·63
55·3	56·0	56·1	55·9	56·2	56 3	56·4	56·1	55·6	55·5	55·5	55·6	54 13
58·2	57·7	57·4	57·1	57·0	57·0	57·0	57·2	57·0	57·0	56·7	56·5	56·84
58·7	58·3	58·8	58·3	57·9	57·7	57·3	57·2	56·8	56·3	56·2	56·0	57·58
55·5	55·7	55·5	55·5	55·3	55·3	—	—	—	—	—	—	53·19
—	—	—	—	—	—	47·0	47·0	47·0	46·4	46·2	46·1	
44·9	44·6	44·5	44·1	44·0	44·0	43·7	43·6	43·4	43·3	43·3	43·3	44·62
43·0	43·6	43·6	43·9	43·9	43·8	43·8	44·1	44·2	44·3	43·6	44·0	43·10
45·7	45·7	45·7	45·7	46·0	46·3	46·1	45·9	45 8	45·6	45·6	45·1	45·30
49·5	49·1	48·7	48·0	47·7	47·3	—	46·8	46·8	46·6	46·2	46·0	47·11
54·67	54·55	54·46	54·29	54·07	53·90	53·82	52·98	52·97	52·72	52·50	52·27	53·43

[a] Three minutes late.

[b] Out of the field of the telescope.

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·00007.

	Mean Göttingen Time.	0^h.	1^h.	2^h.	3^h.	4^h.	5^h.	6^h.	7^h.	8^h.	9^h.	10^h.	11^h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
NOVEMBER.	1	98·2	98·3	97·5	95.0	93·7	92·3	92·3	90·6	91·6	92·8	94·3	93·8
	2	90·4	90·4	95·6	88·7	86·8	85·8	84·8	85·3	86·7	88·5	87·5	86·4
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	90·3	90·9	92·3	91·0	90·9	90·9	89·8	89·8	91·6	91·2	91·2	92·4
	5	90·6	91·7	91·3	90·4	89·0	90·4	90·2	90·2	89·7	88·3	87·9	87·9
	6	88·7	90·1	89·5	88·4	92·0	92·6	88·8	90·7	90·0	88·3	88·3	87·3
	7	91·1	91·5	91·5	90·2	89·4	87·7	86·8	85·1	85·9	86·2	86·2	85·3
	8	87·6	87·6	89·6	88·6	88·6	87·9	88·3	90·3	89·6	89·6	89·6	89·4
	9	93·1	93·1	95·2	95·2	95·7	95·1	95·1	94·8	94·8	94·3	91·0	91·0
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	92·3	87·7	90·2	90·2	91·6	92·0	93·6	93·0	93·8	100·4	101·4	95·9
	12	90·8	91·1	91·4	90·4	89·8	91·7	91·2	91·2	90·7	90·0	90·0	90·0
	13	89·9	90·4	89·1	85·4	89·1	88·7	90·1	91·3	91·9	92·9	92·9	91·3
	14	93·3	97·8	92·9	91·2	92·6	92·6	94·1	94·0	94·0	94·0	94·0	93·3
	15	94·0	94·3	94·0	93·3	93·3	93·9	93·9	94·8	94·8	93·5	92·8	91·0
	16	74·0	71·5	87·8	88·9	91·2	94·8	94·2	100·6	104·6	105·0	99·4	99·9
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	91·2	94·9	96·1	96·1	95·4	96·3	96·3	97·4	98·3	99·5	101·1	101·1
	19	91·5	95·6	96·7	97·6	97·9	99·9	99·9	100·5	100·9	100·9	100·2	100·2
	20	97·9	99·3	100·3	99·7	98·1	98·2	98·3	98·3	98·8	97·0	96·3	94·8
	21	98·1	99·0	99·0	96·5	95·7	95·0	93·5	92·2	93·6	93·6	93·1	92·7
	22	75·6	84·3	88·2	90·5	90·5	90·8	92·3	96·5	104·8	105·1	99·8	105·1
	23	85·5	91·9	91·9	91·2	93·2	93·2	92·5	93·2	97·3	96·0	92·8	92·7
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	107·1	106·9	105·5	107·8	107·5	108·0	108·0	109·1	109·9	109·9	109·6	109·6
	26	109·2	109·2	110·2	110·2	110·2	108·8	108·8	110·3	110·3	110·0[b]	109·7	108·9
	27	109·4	109·2	112·0	109·5	107·2	106·3	106·0	106·3	107·6	108·1	107·7	107·3
	28	107·0	107·0	106·5	106·5	106·5	108·5	108·8	108·8	107·4	107·4	105·7	109·6
	29	108·8	108·8	107·0	106·6	104·6	104·5	104·5	103·1	102·5	102·5	102·3	99·6
	30	88·1	90·0	90·1	93·3	92·8	92·4	92·7	93·5	94·3	94·2	93·7	93·5
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		93·61	94·71	95·82	95·09	95·13	95·32	95·18	95·80	96·76	96·89	96·10	95·73

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
NOVEMBER.	1	45·6	45·4	45·0	45·5	46·2	47·4	48·0	48·8	49·0	49·4	49·6	49·5
	2	49·6	49·6	50·2	50·0	50·6	51·1	51·5	52·1	52·3	52·7	53·3	53·8
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	49·4	49·2	48·8	49·0	49·4	49·4	49·6	50·0	50·1	50·5	50·7	50·3
	5	49·6	49·4	49·4	49·8	50·2	50·3	50·3	50·7	51·2	51·5	51·6	51·6
	6	49·7	49·5	49·5	49·5	50·2	50·0	50·1	50·3	50·3	50·8	51·5	52·1
	7	49·7	49·5	50·0	49·8	50·2	51·0	51·5	52·8	53·2	53·2	53·2	53·9
	8	51·5	51·3	50·7	50·6	50·8	50·8	50·8	51·0	51·1	50·9	50·8	50·8
	9	48·4	48·6	48·0	47·6	47·9	48 0	48·2	48·6	48·6	49·0	49·4	49·3
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	48·1	48·3	48·0	47·8	47·8	48·0	48·2	48·6	48·6	49·0	49·2	49·0
	12	50·0	49·8	49·6	49·5	49·4	49·6	50·1	50·2	50·4	50·7	51·3	51·3
	13	50·6	50·5	50·9	51·3	50·5	50·3	50·0	49 8	49·8	49·6	49·6	49 9
	14	46·4	46·0	49·2	47·2	47·0	47·0	47·0	47·2	47·3	47·6	48·0	48·2
	15	47·2	47·2	47·2	47·6	47·5	47·5	47·5	47·5	47·7	48·0	48·4	48·8
	16	47·5	47·5	46·8	47·4	47·6	48·4	49·1	49·6	50·1	50·5	50·7	50·4
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	45·9	45·5	45·2	45·2	45·5	45·6	45·8	45·6	45·8	45·8	45·6	45·6
	19	43·6	43·0	43·4	43·8	43·9	44·0	44·2	44·2	44·5	44·9	45·2	45·5
	20	45·0	44·7	45·0	45·0	45·9	46·0	46·6	46·9	47·5	48·3	48·8	49·0
	21	46 0	45·8	45·8	46·0	46·9	47·4	47·8	48·4	48·6	49·0	49·6	49·6
	22	48·0	47·6	47·6	47·6	48·0	48·5	48·5	48·8	48·8	49·0	49·4	49·4
	23	49·6	49·6	49·6	49·6	49·4	49·4	49·6	49·8	49·8	50·0	50·0	50·3
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	38·2	38·0	38·3	38·2	38·3	38·3	38·4	38·6	38·6	39·1	38·9	39·9
	26	39·0	39·0	38·9	38·5	38·1	38·5	38·8	38·8	38·9	39·4[b]	39·8	40·0
	27	39·9	39·5	39·1	39·3	39·6	39·9	39·8	40·1	40·4	40·5	40·8	40·6
	28	38·0	38·2	38·3	38·2	38·0	37·8	37·5	38·0	39·4	39·4	39·4	39·6
	29	40·0	40·0	40·0	41·0	41·2	42·2	42·4	42·8	43·0	43·6	44·2	44·6
	30	49·8	49·4	48·8	48·1	48·1	48·5	48·6	48·5	48·6	49·1	49·2	49·4
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		46·40	46·23	46·28	46·27	46·47	46·73	46·92	47·23	47·45	47·75	48·01	48·17

[b] Three minutes late.

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

12^{h}.	13^{h}.	14^{h}.	15^{h}.	16^{h}.	17^{h}.	18^{h}.	19^{h}.	20^{h}.	21^{h}.	22^{h}.	23^{h}.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
93·2	92·8	92·8	92·8	94·3	93·3	93·3	93·2	87·2	87·2	87·2	87·5	92·72
86·4	88·1	99·0	89·4	88·3	84·3	—	—	—	—	—	—	87·82
—	—	—	—	—	—	82·6	83·9	87·2	87·5	90·3	90·8	
91·8	91·8	91·8	91·0	91·0	90·5	90·5	89·0	88·5	90·1	90·1	90·8	90·80
87·9	88·4	89·2	89·2	89·2	88·3	89·9	89·4	89·4	89·4	90·9	88·7	89·49
87·5	87·5	88·7	89·6	89·6	90·5	90·1	90·3	90·3	90·7	90·7	91·1	89·65
86·7	86·5	86·5	86·0	86·0	86·0	86·5	86·8	86·8	86·8	87·6	87·4	87·36
89·8	90·3	90·3	90·7	91·0	91·0	91·5	91·8	91·8	92·2	92·4	93·1	90·11
91·3	93·4	91·4	91·4	91·4	91·4	—	—	—	—	—	—	93·09
—	—	—	—	—	—	94·5	93·5	93·5	91·3	91·3	91·3	
98·0	99·4	99·4	94·2	93·8	93·8	93·7	89·4	90·5	91·0	92·4	92·5	93·76
89·8	89·8	89·8	89·8	89·1	88·0	87·5	88·0	88·0	86·7	88·3	89·0	89·97
93·1	94·1	94·3	92·8	94·4	89·2	89·9	92·8	87·3	89·3	93·6	93·9	91·15
93·3	93·3	93·3	93·5	93·6	93·6	93·6	93·6	94·0	94·1	94·0	91·0	93·65
90·2	91·3	91·2	92·7	91·5	92·8	92·8	92·2	88·9	58·6	76·6	70·8	89·97
99·9	103·2	99·8	99·8	99·9	99·3	—	—	—	—	—	—	94·68
—	—	—	—	—	—	93·1	90·6	92·1	94·7	94·7	93·2	
100·2	100·2	100·2	98·6	95·9	99·0	99·0	94·7	96·3	99·3	98·8	91·9	97·41
99·9	99·7	99·7	98·7	98·7	98·7	98·7	97·8	97·9	98·0	97·9	97·9	98·56
94·8	94·8	94·8	94·8	95·0	95·2	95·5	96·2[a]	96·2	96·2	96·2	98·9	96·00
92·8	93·4	93·4	93·4	93·0	93·0	93·8	93·0	90·3	91·6	75·0	75·3	92·51
105·1	106·6	105·0	91·3	90·7	60·8	60·5	80·1	79·3	79·5	80·1	83·9	89·43
91·4	92·4	92·4	93·5	92·9	90·6	—	—	—	—	—	—	96·23
—	—	—	—	—	—	108·1	108·1	108·1	107·2	106·7	106·7	
109·1	108·8	108·9	108·6	108·9	108·6	109·1	107·3	109·2	109·1	109·3	109·2	108·54
107·6	107·1	106·4	106·2	106·8	106·8	106·8	108·2	108·4	108·6	108·6	109·4	108·01
108·6	106·1	112·8	112·8	111·2	111·8	111·8	111·8	111·8	108·3	109·4	110·4	109·31
109·6	110·5	110·9	110·9	111·7	111·7	108·1	109·0	110·0	110·0	110·4	110·2	108·86
97·3	95·9	95·8	95·8	94·0	92·3	91·3	91·5	91·2	91·2	90·0	89·8	98·79
92·3	91·4	93·8	92·7	92·3	90·2	—	—	—	—	—	—	93·24
—	—	—	—	—	—	92·7	96·9	96·0	97·0	97·0	96·8	
95·68	96·03	96·33	95·39	95·16	93·49	94·03	94·58	94·24	93·29	93·83	93·87	95·09

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
49·7	49·9	49·9	50·0	50·0	50·0	50·0	49·5	49·6	49·6	49·6	49·5	48·61
53·8	53·8	53·0	32·8	52·5	52·3	—	—	—	—	—	—	51·27
—	—	—	—	—	—	49·2	49·0	49·2	49·3	49·4	49·4	
50·3	50·3	50·3	50·2	50·3	50·4	50·2	50·3	50·1	50·0	49·8	49·5	49·92
51·4	51·3	51·3	51·3	50·8	50·8	50·5	50·3	50·3	50·1	49·9	49·9	50·56
51·6	51·3	51·3	51·3	51·2	50·6	50·3	50·0	49·8	49·8	49·8	49·8	50·43
53·5	53·3	53·0	53·3	53·2	53·2	53·0	52·6	52·3	52·3	52·1	52·0	52·16
50·6	50·6	50·3	50·2	50·0	49·8	49·6	49·8	49·6	49·5	49·1	48·6	50·37
49·3	49·2	49·0	48·7	48·5	48·5	—	—	—	—	—	—	48·31
—	—	—	—	—	—	47·5	47·4	47·3	47·3	47·3	47·8	
49·5	49·3	49·5	49·5	49·5	49·5	49·4	49·8	49·9	50·0	50·0	50·0	49·01
51·3	51·5	51·5	51·9	51·9	52·0	51·9	51·7	51·7	51·3	51·3	51·1	50·87
49·3	49·2	49·0	49·0	48·5	48·3	48·0	47·8	47·5	47·2	46·8	46·6	49·17
48·2	48·4	48·4	48·0	47·8	47·6	47·5	47·5	47·3	47·3	47·3	47·3	47·53
49·0	49·0	49·1	48·6	48·5	48·0	47·9	47·8	47·5	47·5	47·5	47·5	47·92
50·4	50·4	50·3	49·9	49·5	49·3	—	—	—	—	—	—	48·65
—	—	—	—	—	—	47·8	47·6	47·2	47·0	46·5	46·2	
45·0	45·0	44·6	44·6	44·6	44·6	44·6	44·8	44·5	44·5	43·0	43·0	45·00
45·6	45·5	45·6	45·4	45·4	45·4	45·4	45·6	45·2	45·0	45·0	45·0	44·76
48·5	48·5	48·5	48·5	48·1	47·7	47·6	47·4[a]	47·2	47·0	46·7	46·5	47·12
49·4	49·4	48·8	48·5	48·5	48·3	48·3	48·4	48·5	48·3	48·3	48·0	48·07
49·3	49·3	49·3	49·5	49·5	49·5	49·5	49·7	49·5	49·5	49·5	49·7	48·96
50·3	50·1	49·5	49·4	49·0	48·6	—	—	—	—	—	—	46·81
—	—	—	—	—	—	38·4	38·5	38·6	38·2	38·1	38·0	
39·7	39·7	39·8	39·8	39·8	39·6	39·6	39·4	39·3	39·3	39·2	39·0	39·04
40·1	40·4	40·6	40·0	40·0	40·4	40·4	40·0	40·0	40·0	40·0	40·0	39·57
40·4	40·0	39·4	39·8	39·4	39·4	39·4	39·2	39·0	38·2	38·1	37·8	39·57
39·4	39·3	39·1	38·9	38·6	38·7	38·7	39·1	39·3	39·4	39·5	39·7	38·81
45·6	46·1	46·6	46·6	47·4	47·7	48·2	48·4	48·2	48·6	48·4	49·4	44·84
49·2	49·0	48·9	49·2	49·5	49·7	—	—	—	—	—	—	47·95
—	—	—	—	—	—	45·4	45·2	45·0	44·6	44·5	44·4	
48·09	48·07	47·95	47·88	47·77	47·69	46·86	46·80	46·68	46·57	46·41	46·37	47·13

[a] Seven minutes late.

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
DECEMBER.	2	98·6	99·8	99·8	97·9	95·9	95·4	96·3	99·9	98·4	97·2	97·3	96·9
	3	98·9	98·9	98·3	98·1	96·5	96·5	95·0	95·3	95·3	93·8	95·6	94·4
	4	95·0	93·4	94·1	93·0	92·8	92·3	91·7	91·8	91·8	93·1	92·5	93·7
	5	94·5	94·5	94·5	96·6	93·8	93·9	94·7	95·7	96·4	95·9	97·4	97·4
	6	93·7	92·9	96·9	94·3	96·0	93·4	94·3	94·3	97·3	97·3	96·2	96·1
	7	91·6	91·2	88·8	88·8	86·3	84·3	84·3	86·4	87·6	88·9	90·0	89·4
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	109·0	109·0	106·7	108·9	108·0	107·4	106·4	105·8	104·8	103·6	101·2	99·8
	10	100·6	100·2	101·4	102·5	101·6	101·6[a]	102·7	101·0	100·1	100·2	99·5	99·5
	11	100·0	98·5	98·5	98·5	97·6	96·7	96·7	96·7	96·7	96·7	96·1	96·1
	12	96·8	96·7	96·8	97·9	96·8	95·4	95·0	95·3	96·8	95·6[b]	95·0	93·6
	13	92·5	93·2	92·0	92·0	93·9	91·5	93·4	94·2	94·6	94·6	94·5	93·6
	14	92·9	92·3	91·7	91·5	91·3	91·3	92·5	97·1	99·7	97·8	94·4	94·4
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	105·1	105·5	107·5	107·5	105·8	106·3	108·2	107·3	107·3	107·3	107·1	109·6
	17	110·5	111·9	105·4	109·7	108·4	108·4	109·2	108·8	107·9	108·6	109·4	109·2
	18	113·1	114·1	114·1	114·8	114·7	113·1	112·5	112·5	112·5	112·5	110·4	108·2
	19	98·6	98·2	97·0	98·6	100·6	102·3	102·7	104 5	103·5	104·0	105·7	105·7
	20	109·7	106·5	112·3	101·2	113·4	113·0	111·6	111·6	113·3	115·0	114·7	113·6
	21	106·7	107·9	109·0	109·5	109·5	112·0	112·0	111·9	110·8	109·5	108·1	107·6[c]
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	102·6	102·6	103·3	102·8	102·8	103·7	104·3	104·3	103·7	104·7	106·3	104·1
	24	105·1	104·3	104·3	103·5	102·9	102·9	102·9	102·6	101·5	101·2	100·0	99·1
	25[d]	—	—	—	—	—	—	—	—	—	—	—	—
	26	93·3	95·3	95·5	95·9	95·7	94·9	95·3	95·0	95·1	97·5	95·2	94·1
	27	99·0	100·9	102·9	100·6	104·3	104·3	105·1	105·1	104·5	103·3	103·0	102·8
	28	107·9	107·9	109·6	108·3	108·3	108·3	108.3	106·8	106·8	105·1	105·1	103·0
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	111·5	107·9	107·9	107·9	105·1	103·6[f]	103·4	102·1	102·1	104·1	104·1	103·3
	31	101·1	101·1	99·4	100·4	104·3	103·4	102·1	102·1	104·1	104·1	103·3	103·8
Hourly Means		101·21	100·99	101·11	100·83	101·05	100·64	100·89	101·27	101·53	101·43	100·97	100·62

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
DECEMBER.	2	44·0	43·8	43·8	44·0	44·1	44·3	44·4	44·8	45·4	46·3	46·5	46·5
	3	44·5	44·4	44·4	44·6	44·8	45·4	45·8	46·6	46·7	47·0	47·2	47·4
	4	45·6	45·8	45·8	45·8	46·4	46·8	47·0	47·4	47·0	46·2	48·0	47·6
	5	46·6	46·6	46·6	46·7	46·4	46·4	47·0	46·6	46·6	46·6	46·5	46·4
	6	47·0	47·0	47·0	47·4	46·4	46·4	46·8	46·8	46·6	46·8	47·2	47·0
	7	48·3	48·5	48·7	49·3	50·8	51·5	51·4	51·0	50·5	50·3	50·0	49·1
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	38·2	38·2	38·6	38·6	38·9	39·3	39·8	40·1	41·0	41·7	42·7	43·0
	10	42·4	42·6	42·3	41·6	41·6	41·6[e]	41·8	42·7	43·0	43·4	43·2	43·0
	11	42·5	42·8	42·8	42·8	43·0	42·8	43·2	43·4	44·0	45·0	44·6	44·8
	12	44·4	44·4	44·0	43·5	43·5	43·7	44·0	44·4	44·6	45·6[b]	46·0	46·0
	13	46·6	46·6	46·4	46·4	45·8	45·8	46·0	46·0	46·4	46·6	47·0	47·0
	14	47·0	47·0	46·5	46·5	46·6	46·6	46·6	46·8	46·8	46·8	46·8	46·8
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	38·9	38·6	38·4	38·4	38·4	38·6	39·0	38·8	39·0	40·0	40·0	40·0
	17	37·0	37·0	37·0	37·0	36·8	37·3	37·6	38·0	38·5	38·8	39·0	39 3
	18	35·3	35·0	34·8	34·5	34·2	35·2	35·6	36·1	36·2	36·6	36·9	38·1
	19	42·6	42·8	42·8	41·6	41·6	41·6	41·0	41·6	41·7	41·6	41·6	41·1
	20	38·1	37·9	37·2	37·2	37·2	37·5	38·0	37·1	36·9	37·1	37·1	36·3
	21	36·2	36·1	36·0	36·6	37·0	37·0	37·0	37·2	37·5	38·5	38·7	39·4[c]
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	41·6	41·5	41·5	41·3	41·0	40·9	41·0	41·0	41·0	40·8	40·2	40·1
	24	40·6	40·6	40·8	40·6	40·4	40·6	41·4	42·0	42·4	42·6	43·0	43·1
	25[d]	—	—	—	—	—	—	—	—	—	—	—	—
	26	43·9	43·9	44·4	44·6	44·6	44·8	45·4	46·0	46·2	46·6	47·0	47·0
	27	42·8	42·0	41·2	40·7	40·4	40·4	40·4	40·7	41·0	41·3	41·6	41·8
	28	38·1	38·1	37·3	37·7	38·0	38·3	38·8	40·0	40·1	40·1	40·6	41·0
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	38·8	39·3	39·8	40·0	40·8	40·8[f]	41·3	41·6	41·6	41·6	42·2	42·3
	31	42·6	42·6	42·6	43·0	43·0	43·6	43·6	43·6	43·6	44·0	44·4	44·6
Hourly Means		42·14	42·12	42·03	42·02	42·07	42·29	42·56	42·81	42·97	43·28	43·52	43·63

[a] Ten minutes late. [b] Four minutes late. [c] Three minutes late.

VERTICAL FORCE.

One Scale Division = ·000002 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
97·5	97·5	97·5	97·5	98·3	98·6	98·0	98·0	98·0	98·0	100·2	100·2	98·02
94·4	94·1	97·6	96·7	96·7	96·7	97·0	97·0	97·0	95·4	95·4	96·1	96·28
97·0	94·4	94·4	94·9	94·9	94·6	93·1	93·5	96·0	96·0	94·5	94·5	93·96
97·4	98·2	98·2	97·1	96·3	90·3	96·3	94·4	94·4	94·4	94·4	94·4	95·71
96·4	95·8	95·5	95·5	95·8	94·1	94·1	94·2	92·1	92·7	92·5	91·6	94·71
89·8	90·3	90·3	90·3	92·2	94·0	—	—	—	—	—	—	94·07
—	—	—	—	—	—	108·4	109·2	109·2	108·8	108·8	108·8	
99·6	100·9	100·9	101·9	102·2	102·2	102·8	101·9	101·9	101·9	100·3	101·9	103·71
99·8	100·2	100·2	100·2	100·0	100·0	100·5	100·5	99·3	100·3	100·3	100·0	100·51
93·6	90·2	96·2	96·2	97·4	97·6	98·1	97·2	96·5	96·5	95·8	96·6	97·03
96·4	95·1	95·6	95·5	95·5	95·5	93·4	92·7	92·7	93·4	93·6	93·8	95·26
92·4	91·9	91·9	91·9	92·7	92·7	93·4	92·8	91·2	92·2	92·2	92·7	92·81
93·1	96·4	97·5	99·4	97·6	92·3	—	—	—	—	—	—	97·10
—	—	—	—	—	—	103·1	103·1	102·6	105·5	105·5	105·5	
109·6	107·9	107·9	107·9	109·8	109·8	109·1	108·0	108·0	109·6	110·7	111·5	108·10
109·2	109·2	108·6	108·4	110·3	109·7	109·3	109·3	109·0	109·9	109·7	109·4	109·18
105·0	104·2	104·1	102·4	102·4	100·6	100·1	100·5	98·3	93·2	90·0	94·4	100·19
103·7	106·3	106·7	112·0	111·5	111·5	112·2	107·7	108·4	109·5	109·7	109·7	105·51
112·1	112·9	113·5	115·5	112·7	110·4	106·3	106·7	109·2	109·2	109·2	107·9	110·92
108·6	107·0	106·3	107·0	107·0	107·1	—	—	—	—	—	—	107·79
—	—	—	—	—	—	105·3	103·8	105·0	103·8	103·8	107·6	
104·7	106·4	106·4	106·4	106·4	106·7	108·0	106·9	105·7	105·7	105·3	105·3	104·99
99·1	99·1	99·1	97·7	96·9	96·9	—	—	—	—	—	—	100·41
—	—	—	—	—	—	100·1[*]	99·3	99·3	98·8	97·1	96·2	
94·7	96·6	95·9	94·9	96·2	96·2	96·2	95·4	97·6	98·8	98·7	98·1	96·03
103·6	104·8	106·1	107·5	106·1	106·1	104·2	106·7	106·7	107·0	106·6	106·6	104·49
104·4	104·4	104·1	104·4	104·4	104·4	—	—	—	—	—	—	108·21
—	—	—	—	—	—	114·5	114·5	115·4	115·1	113·9	112·1	
107·2	107·2	107·2	105·3	104·1	103·4	103·1	103·3	104·1	104·1	98·6	92·4	105·10
102·6	102·9	102·9	102·9	102·9	102·0	102·0	102·0	102·0	103·2	102·9	102·3	102·49
100·74	100·80	100·98	101·18	101·21	100·78	101·94	101·54	101·62	101·72	101·22	101·20	101·14

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
46·4	46·2	46·0	46·0	45·0	45·2	46·0	45·4	45·0	44·8	44·6	44·5	45.13
47·0	47·2	46·0	46·0	45·8	45·2	45·6	46·0	45·6	45·6	45·6	45·6	45.83
47·3	47·5	47·4	47·0	47·0	47·0	47·0	47·0	46·9	46·8	46·8	46·8	46.84
46·2	46·4	46·1	46·2	46·6	46·6	47·0	47·0	47·0	47·0	47·0	47·0	46·63
46·8	46·6	46·6	46·6	47·1	47·6	47·7	47·8	47·6	47·6	47·7	48·0	47·08
49·3	49·4	49·0	48·8	47·6	47·0	—	—	—	—	—	—	46·68
—	—	—	—	—	—	38·1	38·0	38·0	38·3	38·4	38·2	
43·4	43·4	42·7	42·2	42·2	42·4	42·4	42·4	42·1	42·2	42·2	42·3	41·25
42·8	42·4	42·4	42·2	42·0	42·0	41·8	42·0	41·9	41·8	41·7	42·1	42·26
44·6	44·6	44·6	44·6	44·6	44·3	44·0	44·0	44·0	44·0	44·6	44·6	43·92
46·0	46·2	45·9	45·8	45·7	46 0	46·5	46·6	46·8	46·6	46·8	46·4	45·39
47·2	47·4	47·2	47·5	47·3	47·2	46·8	46·7	46·8	47·0	47·0	47·0	46·74
46·8	46·8	47·0	46·2	45·8	46·0	—	—	—	—	—	—	44·76
—	—	—	—	—	—	39·5	39·2	39·0	39·1	39·1	39·0	
39·8	39·3	39·0	38·9	38·6	38·2	38·0	37·7	37·7	37·6	37·4	37·3	38·65
39·1	39·0	38·7	38·3	38·0	38·1	38·1	38·1	37·8	37·4	37·0	36·6	37·90
39·6	39·8	40·4	41·4	41·6	41·6	41·8	41·9	41·6	42·1	42·4	42·7	38·58
40·9	40·6	40·4	39·6	39·8	40·0	39·5	39·4	39·0	38·5	38·2	37·7	40·63
36·1	36·4	36·0	36·2	36·2	36·2	36·5	36·4	36·8	36·9	37·0	36·4	36·87
39·9	40·0	40·2	40·4	40·0	40·0	—	—	—	—	—	—	38·92
—	—	—	—	—	—	40·8	40·8	40·8	41·0	41·3	41·6	
40·0	39·5	39·2	39·2	39·0	39·2	39·3	39·9	40·1	40·2	40·4	40·6	40·35
44·0	44·0	44·2	44·2	44·4	44·4	—	—	—	—	—	—	42·61
—	—	—	—	—	—	42·6[*]	42·9	43·0	43·2	43·4	43 6	
46·6	46·4	45·8	45·4	45·0	44·8	44·6	44·6	44·6	44·4	43·8	43·1	45·15
41·6	41·6	41·6	41·2	41·0	40·0	40·1	39·8	39·1	39·0	38·8	38·6	40·69
41·0	41·3	41·3	40·9	40·6	40·4	—	—	—	—	—	—	39·15
—	—	—	—	—	—	37·5	37·5	37·5	37·4	37·8	38·3	
42·6	42·6	42·6	42·3	42·4	42·4	42·6	42·4	42·4	42·6	42·6	42·8	41·69
44·3	44·5	44·6	44·0	43·8	43·7	43·6	43·8	43·6	43·6	43·8	44·0	43·69
43·50	43·56	43·40	43·24	43·08	43·02	42·30	42·28	42·19	42·19	42·22	42·19	42·70

[*] Christmas Day. [*] Twelve minutes late. Seven minutes late.

January 24th and 25th. MAGNETICAL OBSERVATIONS.

Mean Göttingen Time.		Angular Value of one Scale Division = 0′·721. DECLINATION.										
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	125·6	126·5	128·0	127·8	127·1	126·2	134·7	131·0	138·1	135·6	129·5
5	0	125·3	126·6	128·0	128·0	127·2	125·8	137·4	135·0	136·0	133·9	128·5
10	0	125·9	126·8	128·1	127·9	126·9	126·0	138·0	139·8	135·0	129·3	128·8
15	0	125·0	126·9	128·2	127·5	126·9	126·7	135·3	140·2	140·0	126·8	130·9
20	0	125·4	127·2	127·0	127·0	127·6	127·0	132·0	132·2	139·0	127·4	132·1
25	0	125·6	127·8	126·7	127·1	127·0	127·4	128·1	130·5	136·9	130·2	134·2
30	0	125·6	127·3	126·9	127·2	128·0	127·4	126·0	131·3	135·0	132·2	133·5
35	0	125·8	127·1	128·2	127·1	126·1	128·2	126·9	131·0	137·4	131·2	132·6
40	0	125·9	126·8	128·3	127·1	124·5	130·0	127·1	129·2	139·7	131·1	132·2
45	0	125·8	127·2	129·1	127·1	125·1	129·9	126·6	126·0	139·1	131·3	133·1
50	0	125·8	127·4	129·4	126·7	126·5	131·8	130·8	128·8	136·7	132·3	134·1
55	0	126·0	127·8	128·7	126·9	126·5	133·1	131·0	136·0	136·0	131·6	134·1
		One Scale Division = ·000087 parts of the H. F. HORIZONTAL FORCE.										
M.	S.											
2	0	530·8	530·7	529·3	533·0	528·9	517·8	506·2	496·5	500·0	502·6	508·3
7	0	531·9	530·4	528·0	532·0	528·9	516·3	507·9	503·9	500·3	505·0	507·4
12	0	534·4	530·0	529·1	531·2	529·2	516·1	514·3	524·0	495·6	505·0	507·8
17	0	531·3	530·6	528·4	530·9	529·8	514·6	516·8	532·9	501·0	504·3	503·8
22	0	530·8	531·7	527·2	530·0	525·0	514·7	519·0	523·5	505·1	504·4	504·3
27	0	530·7	530·9	527·5	529·8	526·5	512·3	514·7	513·3	507·0	505·2	503·9
32	0	531·4	529·3	529·7	529·5	523·4	507·5	512·4	509·5	503·4	507·4	501·7
37	0	531·6	528·3	530·4	529·8	523·7	506·9	507·8	510·5	503·9	507·5	501·7
42	0	531·8	528·8	531·8	529·9	521·7	505·1	502·8	505·4	505·1	508·7	500·0
47	0	531·3	529·9	534·6	529·0	519·7	504·1	498·0	496·8	505·8	509·6	498·3
52	0	531·1	529·7	534·8	527·9	518·9	503·5	498·5	493·1	502·5	509·5	502·3
57	0	531·0	529·1	532·9	529·6	518·0	502·9	495·3	497·9	503·0	508·6	503·1
Thermometer		41°·6	41°·6	42°·0	41°·9	41°·8	41°·6	41°·4	40°·0	38°·8	38°·0	37°·3
		VERTICAL FORCE.[b]										

Increasing numbers denote decreasing Westerly Declination, and increasing Horisontal Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
24	10	0	29·490	10·2	16·4	N. W. b. W.	Brisk.	Clouded; cir.-cum. and haze.
	11	0	29·522	17·4	15·1	N. W.	Moderate.	Clouded; cum.-strat., cir.-cum., and haze; a few flakes of snow.
	12	0	29·552	14·7	12·9	N. W.	Brisk.	Zenith clear; clouded round horison.
	13	0	29·577	12·4	11·1	N. W.	Moderate.	Clouded; cum.-strat. and cir.-cum.
	14	0	29·581	11·4	10·0	N. W.	Brisk with gusts	Clouded; cum.-strat., cir.-cum., and haze.
	15	0	29·596	10·4	8·0	N. W.	Moderate.	Clear above; cir.-strat. and haze round horison.
	16	0	29·612	7·8	7·0	N. N. W.	Moderate.	Overcast; dense haze.
	17	0	29·611	5·6	5·0	N. N. W.	Brisk with gusts	Clouded; cir.-cum. and haze; auroral light in N.
	18	0	29·614	4·0	3·6	N. N. W.	Brisk.	Overcast with haze; no auroral light.
	19	0	29·615	2·6	2·0	N. N. W.	Brisk.	Overcast; stars visible in zenith.
	20	0	29·637	1·3	0·7	N. N. W.	Moderate.	Overcast with light haze; stars visible in zenith.
	21	0	29·638	0·9	0·2	N. N. W.	Moderate.	Overcast with haze.

[b] Vertical Force Magnetometer not in adjustment.

MAGNETICAL OBSERVATIONS. January 24th and 25th.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
134·2	131·3	130·1	128·2	124·9	125·2	121·3	119·5	124·0	123·8	123·0	125·1	126·4
133·6	130·3	130·9	127·9	124·5	124·9	122·5	119·9	124·7	123·7	123·0	124·2	126·3
133·2	128·4	131·8	127·0	124·2	124·1	122·0	120·8	124·3	123·6	123·0	124·2	126·7
133·2	129·2	132·5	127·4	124·0	123·7	121·3	122·0	124·8	123·7	123·2	124·4	127·0
132·8	130·2	133·1	128·0	124·6	123·0	119·9	122·9	124·7	123·1	123·3	124·2	127·0
132·4	129·9	133·0	128·7	125·0	122·2	119·4	122·7	124·2	123·0	123·9	124·5	127·0
131·5	129·1	132·9	129·0	125·1	122·0	118·6	123·1	124·0	123·0	123·7	125·0	127·2
131·6	127·9	133·0	129·2	124·7	121·6	118·0	123·4	123·0	123·0	122·8	125·0	127·3
132·0	126·3	132·4	129·0	124·5	121·7	119·6	123·4	123·4	123·0	123·0	125·3	127·2
132·2	126·0	131·4	127·9	125·1	121·3	120·3	123·4	123·5	122·3	123·1	125·6	127·4
132·5	127·2	130·2	126·6	125·7	121·0	120·4	124·5	124·0	122·8	123·3	125·8	127·2
132·0	128·6	129·1	126·0	125·2	121·7	118·8	124·7	123·9	123·0	124·8	126·1	127·3

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00027.

507·9	525·3	530·3	527·5	531·1	535·0	530·4	534·8	525·6	522·6	526·3	534·2	536·4
508·4	525·9	531·5	527·9	531·6	536·0	532·9	534·7	524·5	523·0	526·4	533·6	534·8
510·3	525·5	530·4	526·8	532·8	534·8	531·0	533·0	523·7	523·0	525·7	532·8	535·9
510·9	527·9	528·6	528·3	536·1	534·1	535·0	531·1	524·9	524·0	527·7	534·0	536·2
512·9	528·6	528·5	528·9	536·1	534·5	533·6	531·4	525·0	523·8	528·1	533·4	536·3
509·3	530·0	528·6	529·0	534·5	534·8	534·8	530·4	524·8	523 8	530·9	532·9	537·4
512·8	529·8	524·4	530·6	536·0	535·9	536·9	529·6	525·5	523·1	529·1	533·7	537·8
513·8	530·2	523·0	530·3	535·8	535·2	537·0	528·8	523·1	524·2	527·7	534·1	537·9
515·0	529·6	523·3	529·8	536·5	532·8	536·6	529·0	523·0	524·7	527·2	533·6	538·2
517·5	529·4	525·4	528·8	534·7	532·9	536·1	526·6	522·0	524·9	527·4	534·4	539·5
520·6	528·4	525·9	528·8	534·7	532·2	536·1	525·9	522·4	525·0	526·8	535·3	539·0
522·6	528·4	527·6	529·6	535·9	533·0	539·1	526·9	523·0	525·8	533·0	535·8	537·7
°	°	°	°	°	°	°	°	°	°	°	°	°
36·6	36·2	35·0	34·5	34·0	32·8	32·0	31·6	32·0	32·5	32·5	32·4	32·4*

Vertical Force.[b]

* At 25d 0h Thermometer of H. F. 32°·4.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
D.	H.	M.	In.	Dry.	Wet.	Direction.	Force.	
				°	°			
24	22	0	29·635	0·5	0·3	N. N. W.	Moderate.	Overcast with haze.
	23	0	29·636	0·1	−0·6	N.	Very light.	Overcast with haze.
25	0	0	29·628	−0·6	−1·2	N.	Very light.	Clouded; cir.-cum. and haze.
	1	0	29·637	−1·8	−2·3	N.	Light.	Clouded; cir.-cum. and haze.
	2	0	29·651	−2·8	−3·4	N.	Brisk with gusts	Clouded; cir., cir.-strat., and light haze. [Lake Ontario.
	3	0	29·662	−3·4	−3 8	N. by E.	Brisk.	Light flexuous cir. overspreading the sky; a dense mist rising from
	4	0	29·660	−3·0	−4·4	N. E.	Brisk.	Light flexuous cir. overspreading the sky; fair.
	5	0	29·650	−0·4	−1·0	N. by E.	Brisk.	Light flexuous cir. overspreading the sky; fair.
	6	0	29·634	0·6	0·0	N.	Brisk.	Light flexuous cir. overspreading the sky; fair. [diameter about 35°.
	7	0	29·615	1·8	1·0	N. by W.	Brisk.	Generally overcast with light flexuous cir. and haze; halo round the ☉,
	8	0	29·614	3·5	2·4	N. by W.	Moderate.	Generally overcast; very light streaky cir. and cir.-strat.
	9	0	29·622	5·4	4·2	N. by W.	Light.	Light cir. and cir.-strat.; generally fine.

February 23rd and 24th. **MAGNETICAL OBSERVATIONS.**

DECLINATION.

Mean Göttingen Time. Angular Value of one Scale Division = 0′·721.

M.	S.	10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	124·8	124·7	125·2	125·5	126·2	125·5	126·2	127·0	126·8	127·0	127·0
5	0	125·0	124·8	125·2	125·5	126·4	125·7	126·5	127·0	126·6	127·0	127·0
10	0	125·0	124·8	125·2	125·5	126·2	125·8	127·1	126·7	127·0	127·0	127·0
15	0	125·0	124·8	125·3	125·5	126·4	125·8	127·2	126·8	127·0	126·9	127·2
20	0	125·1	124·8	125·7	125·9	126·7	125·8	127·1	127·0	127·0	127·0	127·0
25	0	125·1	124·9	125·8	126·0	126·8	125·8	127·0	127·0	126·9	126·8	128·0
30	0	125·0	124·9	125·9	126·0	126·5	126·0	126·6	127·0	126·7	127·0	128·2
35	0	125·0	124·9	126·0	126·1	126·0	126·2	126·8	127·0	126·7	127·0	128·1
40	0	125·0	125·6	125·6	126·4	125·9	126·1	126·8	127·0	126·6	127·0	128·4
45	0	124·7	125·6	125·4	126·2	125·7	126·0	127·0	127·0	126·9	127·1	128·4
50	0	124·8	125·7	125·2	126·2	125·3	126·1	127·0	127·0	127·0	127·1	128·4
55	0	124·8	125·4	125·5	126·4	125·1	125·9	126·8	127·0	127·0	127·0	128·4

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F.

M.	S.											
2	0	517·5	519·0	520·7	522·0	519·2	519·5	519·6	519·0	519·0	520·0	520·9
7	0	517·6	518·5	520·1	521·0	519·0	519·5	519·3	518·0	519·0	520·0	521·8
12	0	518·3	518·3	520·2	521·0	519·0	519·2	518·8	518·4	519·0	519·0	522·1
17	0	517·8	519·2	520·3	520·9	519·2	519·4	519·1	518·0	519·0	519·2	521·8
22	0	518·1	519·5	520·8	519·9	519·0	519·6	519·0	518·0	519·1	519·7	521·9
27	0	518·9	520·4	520·8	520·0	519·0	519·4	519·6	518·0	519·0	520·0	521·8
32	0	519·0	519·9	521·5	520·0	519·0	519·2	519·9	518·0	519·0	520·2	521·7
37	0	519·5	518·4	520·9	519·7	519·6	519·5	520·0	519·0	519·0	520·2	521·4
42	0	519·8	518·6	520·9	519·6	519·8	519·9	519·5	519·3	520·0	520·2	521·8
47	0	520·0	519·3	520·9	519·5	519·6	520·0	520·0	519·9	520·0	520·1	522·0
52	0	518·6	519·7	521·1	519·1	519·5	520·3	520·0	519·0	520·0	520·2	522·0
57	0	519·2	520·9	521·3	519·0	519·5	520·1	520·0	519·0	520·0	520·8	522·0
Thermometer		44·5	45·0	45·3	45·5	45·7	45·8	46·2	46·0	46·0	45·5	45·2

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F.

M.	S.											
3	0	123·3	123·3	120·5	119·9	119·7	119·9	120·5	120·4	120·1	119·3	118·4
8	0	123·3	123·0	120·5	119·9	119·7	119·9	120·2	120·4	120·1	119·3	118·4
13	0	123·3	123·0	120·5	119·9	119·5	120·1	120·2	120·4	120·1	119·3	118·4
18	0	123·3	122·7	120·4	119·9	119·5	120·1	120·2	120·0	120·1	119·0	118·4
23	0	123·3	122·5	119·9	119·9	119·5	120·1	120·2	120·1	120·1	119·0	118·4
28	0	123·4	122·1	119·9	119·9	119·5	120·1	120·2	120·1	120·1	118·5	118·4
33	0	123·5	121·7	120·1	119·9	119·5	120·1	120·2	120·1	120·4	118·5	118·4
38	0	123·5	121·2	119·9	119·6	119·5	120·1	120·2	120·1	120·4	118·5	118·3
43	0	123·5	121·2	119·8	119·6	119·5	120·1	120·0	120·1	120·4	118·4	118·3
48	0	123·5	121·2	119·8	119·8	119·5	120·1	120·0	120·1	119·7	118·4	118·2
53	0	123·3	121·0	119·9	119·7	119·9	120·5	120·4	120·1	119·7	118·4	118·2
58	0	123·2	120·5	119·8	119·7	119·9	120·6	120·4	120·1	119·5	118·4	118·2
Thermometer		45·3	45·5	46·6	46·8	47·0	47·1	47·1	47·1	47·1	47·1	47·1

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
23	10	0	29·337	28·6	26·8	E. S. E.	Light.	Densely overcast; snowing heavily.
	11	0	29·371	27·2	25·7	E.	Very light.	Densely overcast; moderate snow.
	12	0	29·403	26·6	25·5	E.	Very light.	Densely overcast; snowing slightly.
	13	0	29·444	26·2	25·3	E. by N.	Very light.	Densely overcast; snowing slightly.
	14	0	29·486	26·4	25·0	E. by N.	Very light.	Densely overcast; snowing slightly.
	15	0	29·524	25·8	24·0	E. by N.	Very light.	Overcast; dense haze; slight snow.
	16	0	29·554	25·9	23·4	E. by N.	Very light.	Overcast; dense haze; slight snow.
	17	0	29·564	24·0	23·0	—	Calm.	Clear in zenith, remainder hazy; ceased snowing.
	18	0	29·560	22·8	20·4	E.	Light.	Clear, except haze round horizon.
	19	0	29·596	19·2	17·0	E.	Light.	Clear.
	20	0	29·643	17·0	15·2	N. E.	Light.	Clear.
	21	0	29·665	14·6	12·5	N. E.	Light.	Clear.

MAGNETICAL OBSERVATIONS. February 23rd and 24th.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
128·0	128·8	128·1	129·0	129·9	130·2	129·1	127·0	122·2	122·0	123·0	124·6	126·1
128·5	128·2	128·5	129·0	129·8	130·3	129·3	127·0	122·0	122·0	123·0	125·0	126·1
128·4	128·7	128·7	128·9	129·4	130·0	129·2	127·0	122·4	122·0	122·9	125·1	126·4
128·4	128·8	128·2	129·5	130·0	129·8	129·3	126·8	122·4	122·0	122·9	125·3	126·1
128·0	129·0	128·7	129·5	130·0	130·3	129·3	126·4	123·0	122·0	123·1	125·3	126·6
128·0	128·8	128·4	129·2	130·0	130·4	129·8	125·6	122·9	122·2	123·7	125·4	126·5
128·1	128·7	128·8	129·4	129·6	130·7	129·0	125·1	122·9	122·2	124·0	125·1	126·5
128·2	128·8	128·8	129·3	130·1	130·1	129·4	125·1	122·5	122·5	123·8	125·3	126·4
128·8	128·8	128·7	129·8	130·2	129·6	129·3	125·0	122·1	122·6	124·5	125·3	126·8
128·6	128·8	128·7	129·5	130·1	129·2	128·5	123·9	122·0	122·9	124·9	125·7	126·6
129·0	128·8	128·9	129·6	130·0	129·1	128·0	123·4	122·0	122·9	124·8	125·7	126·8
129·0	128·3	129·0	129·6	129·6	128·6	127·9	122·4	121·9	123·0	124·8	125·9	126·1

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fah′. = ·00027.

521·9	524·1	523·4	524·4	523·3	519·8	518·6	519·1	521·9	527·0	528·0	530·6	527·4
521·5	523·2	523·5	524·6	522·5	519·4	518·5	519·0	522·6	527·0	528·4	530·8	527·4
522·0	523·3	523·8	524·2	521·7	519·7	518·7	519·0	522·1	527·3	529·1	530·1	528·5
521·8	523·1	523·9	524·5	522·3	519·8	519·2	520·0	524·4	527·7	530·1	530·5	528·7
522·8	523·4	524·3	524·1	522·2	519·6	518·8	520·4	524·3	528·0	528·7	530·7	524·6
522·9	523·1	524·2	523·7	522·5	519·5	518·6	521·0	524·6	528·0	528·2	530·4	527·9
523·2	523·6	524·6	522·9	522·8	520·1	518·0	521·2	523·9	529·0	529·8	529·4	526·6
523·2	523·5	524·2	523·4	522·2	519·9	518·0	521·5	525·3	529·0	529·9	530·2	528·9
522·9	523·0	524·2	523·5	523·0	520·0	518·6	521·6	525·0	528·8	529·4	530·3	529·8
522·9	523·1	524·2	523·7	521·8	519·7	518·5	522·0	526·0	528·4	531·3	529·9	530·0
522·9	523·9	523·6	524·1	519·7	519·8	518·0	521·6	526·1	530·5	530·6	529·5	530·2
522·6	524·2	523·3	523·2	519·3	519·5	519·0	521·4	526·7	530·1	530·8	529·2	530·2
°	°	°	°	°	°	°	°	°	°	°	°	°
44·8	44·2	43·5	43·0	42·6	42·8	42·4	43·0	43·6	44·0	44·4	44·6	45·0[a]

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fah′. = ·00007.

118·5	118·8	119·0	122·1	123·3	126·9	124·8	124·8	123·8	123·6	122·0	121·9	121·4
119·5	118·8	119·3	122·2	123·3	127·0	124·8	124·8	123·9	123·6	122·1	121·9	121·3
119·5	118·8	120·0	122·2	123·3	127·0	125·0	124·4	123·6	122·8	122·1	121·9	121·3
119·4	118·8	120·6	122·5	123·3	126·0	124·8	124·4	123·6	122·8	122·0	121·9	121·1
119·4	118·9	120·9	122·5	123·3	125·8	124·8	124·4	123·6	122·8	122·0	121·7	121·1
119·1	118·9	121·1	122·6	124·7	125·5	124·8	124·4	123·6	122·8	122·0	121·7	121·1
119·1	119·0	121·1	123·0	123·6	125·5	124·8	124·4	123·6	122·8	121·9	121·7	121·7
119·0	118·9	121·1	123·2	124·8	125·8	124·8	123·8	123·6	122·8	121·9	121·6	121·7
119·0	118·9	121·1	123·0	126·5	126·3	124·8	124·1	123·6	122·0	121·9	121·6	121·7
119·0	118·9	121·5	123·0	126·5	127·9	124·8	124·2	123·6	122·0	121·9	121·6	121·7
119·0	118·9	121·8	123·0	126·4	124·8	124·8	123·8	123·6	122·0	121·9	121·6	121·7
118·9	119·1	122·0	123·3	126·5	125·0	124·8	123·8	123·6	122·0	121·9	121·5	121·7
°	°	°	°	°	°	°	°	°	°	°	°	°
46·6	46·4	46·4	44·6	43·9	43·1	44·0	43·6	44·1	44·4	44·6	44·8	45·0[a]

[a] At 24d 10h Thermometer of H. F. 45°·6; of V. F. 45°·3.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Weather.
		Dry.	Wet.	Direction.	Force.	
D. H. M.	in.	°	°			
23 22 0	29·682	12·9	10·9	N. E.	Light.	Clear.
23 0	29·705	11·7	9·9	N. E.	Light.	Clear.
21 0 0	29·745	10·0	8·4	N. E.	Very light.	Clear.
1 0	29·784	9·1	7·8	N. E.	Very light.	Clear, except haze round horizon; fair.
2 0	29·810	10·5	8·8	N. E.	Light.	Clear, except a few cir.-strat. and light haze round horizon.
3 0	29·834	12·4	10·2	N. E.	Very light.	Clear.
4 0	29·838	14·8	12·4	—	Calm.	Clear.
5 0	29·865	17·8	15·6	—	Calm.	Clear.
6 0	29·864	19·0	17·0	—	Calm.	Clear.
7 0	29·841	21·4	19·8	S. E.	Very light.	Light cir.; haze round horizon, otherwise clear.
8 0	29·841	22·9	21·2	S. E.	Very light.	Light cir. and haze in West, remainder clear; fair.
9 0	29·845	24·3	22·2	S. E.	Very light.	Light cir. and haze round horizon, remainder clear; fair.

March 20th and 21st — MAGNETICAL OBSERVATIONS.

Mean Göttingen Time.		Angular Value of one Scale Division = 0′·721. DECLINATION.									
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	120·3	123·8	126·1	127·2	126·8	126·0	126·1	126·4	133·4	130·9	126·2
5	0	120·4	124·0	127·0	127·1	126·5	125·8	126·1	126·5	133·1	130·3	126·3
10	0	120·3	124·5	126·4	127·0	126·3	125·9	126·1	126·5	132·6	129·2	126·6
15	0	120·4	125·3	126·6	126·9	126·1	125·9	126·0	126·5	132·1	129·0	127·0
20	0	120·4	125·7	125·8	126·6	126·0	125·9	126·2	126·4	131·8	128·3	127·2
25	0	121·1	126·0	125·8	126·4	126·1	125·9	126·2	127·2	131·5	127·2	127·2
30	0	121·9	126·1	126·0	126·2	126·1	126·1	126·2	128·6	132·0	127·2	127·0
35	0	122·2	126·2	126·5	126·6	126·1	126·1	126·4	128·8	132·7	127·2	126·9
40	0	122·7	126·2	126·3	126·8	126·1	126·3	126·4	129·0	132·8	127·0	127·0
45	0	122·9	126·1	126·6	126·8	126·3	126·2	126·3	130·5	132·3	126·8	127·0
50	0	123·3	126·3	127·3	126·8	126·3	125·9	125·3	132·1	131·0	126·8	127·0
55	0	123·4	126·4	127·2	126·9	126·2	126·1	126·4	133·7	130·1	126·4	126·9

		One Scale Division = ·000087 parts of the H. F. HORIZONTAL FORCE.									
M.	S.										
2	0	524·0	520·6	520·5	526·4	528·1	527·4	526·4	524·2	524·6	522·0	524·0
7	0	523·0	521·5	521·0	526·2	527·9	527·2	526·1	524·3	525·8	519·9	524·6
12	0	521·2	521·0	521·8	526·8	527·7	527·4	525·2	524·4	527·1	519·0	524·0
17	0	518·1	519·9	524·0	527·2	527·8	527·8	525·2	524·3	527·8	519·1	524·0
22	0	516·8	520·5	524·5	528·0	527·8	527·4	525·0	524·2	525·2	520·0	523·0
27	0	516·3	522·8	525·5	527·7	528·0	527·8	525·0	523·7	524·3	521·1	521·8
32	0	518·4	521·6	525·7	526·8	528·0	527·9	525·0	523·8	523·9	522·5	520 5
37	0	521·2	519·5	525·2	527·2	527·2	527·8	524·9	523·7	524·2	522·9	520·0
42	0	522·2	521·1	525·6	527·2	527·0	527·6	524·8	523·8	524·5	523·0	520·0
47	0	519·9	519·6	525·7	528·0	528·0	527·6	524·9	523·7	524·9	522·9	519·0
52	0	519·4	519·7	525·6	528·0	528·0	526·3	524·5	523·4	523·9	523·3	520·0
57	0	520·9	518·7	526·1	527·7	527·8	526·7	524·2	523·8	523·0	524·0	520·0
Thermometer		44°·2	43°·8	43°·6	44°·2	44°·1	44°·6	44°·8	44°·6	44°·4	44°·2	44°·0

		One Scale Division = ·000062 parts of the V. F. VERTICAL FORCE.									
M.	S.										
3	0	128·8	130·4	129·9	128·4	127·2	126·4	125·9	126·9	125·3	123·1	125·3
8	0	128·8	130·1	130·2	128·4	126·8	126·4	125·9	126 9	125·1	123·5	125·3
13	0	128·8	130·1	130·2	128·4	126·6	126·4	125·9	126·9	124·8	123·8	125·3
18	0	128·8	130·4	130·2	128·2	126·6	125·9	125·9	127·1	124·6	123·9	125·3
23	0	129·1	130·4	131·1	127·8	126·6	125·9	126·5	127·1	124·3	124·6	125·3
28	0	129·4	130·4	130·8	127·6	126·6	125·9	126·5	127·1	124·3	124·9	125·3
33	0	129·9	130·4	130·8	127·2	126·6	125·9	126·5	127·1	123·9	125·3	125·3
38	0	130·2	130·2	129·3	127·2	126·6	125·8	126·7	127·1	123·6	125·3	125·3
43	0	130·2	130·2	129·3	127·2	126·4	125·9	126·7	126·5	123·3	125·3	125·3
48	0	129·8	129·9	128·9	127·2	126·4	125·9	126·7	126·2	123·1	125·3	125·3
53	0	129·7	129·9	128·4	127·2	126·4	125·9	126·8	126·1	123·2	125·3	125·3
58	0	129·7	129·9	128·4	127·2	126·4	125·9	126·8	125·4	123·2	125·3	125·3
Thermometer		44°·3	44°·1	43°·8	44°·4	44°·7	45°·1	45°·1	45°·0	44°·8	45°·1	45°·2

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind		Weather
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
20	10	0	29·527	29·5	26·0	N.	Brisk with gusts	Overcast with dense haze; constant slight snow. [fallen
	11	0	29.562	29·7	27·8	N.	Brisk with gusts	Overcast with cir-cum. and haze; a few light particles of snow
	12	0	29·594	29·5	26·8	N.	Brisk.	Overcast with cir-cum. and haze.
	13	0	29·624	29·1	26·3	N.	Moderate.	Densely overcast.
	14	0	29·660	28·0	26·2	N.	Moderate.	Densely overcast; light snow falling.
	15	0	29·688	26·7	25·3	N.	Brisk.	Densely overcast; a few flakes of snow falling.
	16	0	29·705	25·5	23·9	N.	Brisk with gusts	Densely overcast; very dark; a few flakes of snow falling.
	17	0	29·694	24·5	22·8	N.	Brisk.	Densely overcast; ceased snowing.
	18	0	29·694	22·5	20·8	N.	Brisk.	Densely overcast.
	19	0	29·704	20·6	19·0	N.	Light.	Perfectly clear, except a bank of heavy cum. on S. horizon.
	20	0	29·704	18·4	17·0	—	Calm.	Clear and unclouded.
	21	0	29·702	16·8	15·6	—	Calm.	Clear and unclouded.

MAGNETICAL OBSERVATIONS. March 20th and 21st.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
125·6	125·3	128·0	130·0	131·0	132·7	132·2	129·5	124·6	121·2	118·5	118·0	119·1
125·5	125·7	128·1	130·1	131·0	133·0	131·8	129·9	124·6	120·7	118·4	118·0	119·1
124·1	126·0	128·2	130·1	131·2	132·9	131·9	129·8	123·8	120·3	118·1	118·0	119·2
123·6	126·0	128·4	130·0	131·5	132·2	131·5	128·5	123·3	120·1	118·2	118·1	119·5
123·1	127·4	128·3	130·7	131·4	132·7	131·5	128·0	123·7	120·4	117·8	118·2	119·6
123·0	127·2	128·5	130·1	131·7	132·3	131·1	127·9	122·8	119·8	117·6	118·2	119·4
123·0	127·1	129·0	130·3	132·2	133·6	130·9	126·7	122·8	119·6	117·8	118·2	119·8
122·9	127·5	129·6	130·2	132·1	133·1	130·4	126·1	122·4	119·0	117·8	118·8	119·8
123·0	127·5	129·9	130·2	132·0	133·0	130·2	125·8	122·0	118·7	117·8	118·8	120·0
123·7	127·5	130·1	130·1	132·8	132·7	130·0	125·1	121·9	118·6	117·9	118·8	120·0
124·5	127·7	130·3	130·8	133·0	132·5	130·2	125·0	121·3	118·7	118·1	118·9	120·1
125·1	127·9	130·0	130·8	132·9	132·2	129·8	125·0	121·3	118·8	118·0	119·1	120·4

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

519·3	526·5	526·8	527·1	524·0	522·1	519·3	510·4	505·7	504·7	505·8	516·3	519·4
519·4	527·0	526·2	527·2	524·0	522·6	518·3	511·1	507·1	504·9	506·2	516·0	519·8
520·5	527·0	525·8	526·6	524·0	522·1	518·0	510·9	507·0	505·5	506·2	516·0	519·9
520·0	525·9	526·7	525·8	524·1	522·2	517·0	509·9	506·0	506·2	508·3	516·0	521·0
522·0	526·5	526·2	524·5	523·4	521·6	516·0	509·6	505·0	507·0	510·2	517·2	520·9
523·5	526·8	526·3	524·4	523·6	520·7	516·9	507·4	504·0	507·6	510·6	517·8	520·8
524·0	526·8	526·6	524·5	523·4	520·6	516·3	507·3	503·1	506·9	510·7	518·2	521·0
524·5	527·2	527·4	524·4	523·3	521·1	514·5	506·1	502·5	505·0	511·5	518·3	521·0
525·0	527·2	527·1	523·6	523·0	520·3	514·3	506·1	503·2	504·7	512·1	518·4	521·9
525·0	526·9	527·3	523·6	523·1	520·1	512·3	505·4	503·0	505·2	512·4	518·0	521·0
526·0	527·1	527·5	524·0	522·8	519·8	512·6	504·5	504·0	504·2	514·4	517·7	521·6
526·5	527·0	527·7	524·4	523·5	519·1	512·1	504·9	503·7	504·4	516·2	517·8	521·0
°	°	°	°	°	°	°	°	°	°	°	°	°
44·0	44·0	44·0	43·6	43·0	44·4	45·0	45·5	46·0	46·2	46·5	47·0	47·0*

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

124·8	124·0	126·4	127·7	129·4	126·6	125·3	122·6	121·8	122·2	122·9	121·2	122·0
124·8	124·4	126·4	127·8	129·0	126·6	124·8	122·6	121·9	122·2	122·3	121·2	122·0
124·7	124·4	126·4	127·4	128·8	126·4	124·8	122·6	121·9	122·4	122·1	121·2	122·0
124·3	124·7	126·4	127·4	128·7	126·4	124·8	122·1	121·9	122·4	122·1	121·2	123·2
124·3	124·4	126·3	127·3	128·6	126·3	124·6	122·0	121·9	122·7	122·2	121·5	122·8
124·3	124·4	126·3	128·5	128·5	125·7	124·4	122·0	121·7	122·7	122·0	121·5	122·9
124·1	124·7	126·9	129·0	128·1	125·7	124·4	122·0	121·8	122·7	121·9	121·5	123·0
123·7	125·3	126·9	129·3	127·7	125·4	124·0	121·7	121 8	122·7	121·9	121·5	123·0
123·7	126 0	126·9	129·3	127·5	125·4	124·0	121·7	121·8	122·8	121·9	121·5	123·6
123·9	126·0	127·2	129·3	126·9	125·4	123·5	121·7	121·8	122·9	121·4	121·4	123·6
124·2	126·0	127·2	129·4	126·9	125·4	123·2	122·0	121·9	122·9	121·6	121·4	123·6
124·1	126·0	127·4	129·4	126·8	125·3	123·2	122·0	121·9	123 1	121·6	121·4	123·6
°	°	°	°	°	°	°	°	°	°	°	°	°
45·1	45.1	44·8	44·6	44·0	44·9	45·3	45·9	46·2	46·4	46·6	47·0	47·1*

* At 21^{d} 10^{h} Thermometer of H. F. 47°·4; of V. F. 47°·3.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Weather.
		Dry.	Wet.	Direction.	Force.	
D. H. M	in.	°	°			
20 22 0	29.712	16·8	15·0	—	Calm.	Clouded round horizon with cir.-cum. and cir.-strat.; remainder clear.
23 0	29·729	16·5	15·2	N.	Very light.	Partially clouded with light cir.-strat. and haze. [mainder clear.
21 0 0	29·724	15·4	13·9	N. by W.	Light.	Dense cum.-strat. and cir.-strat. on the S. and East horizons; re-
1 0	29·720	14·8	13·5	—	Calm.	Dense cum.-strat. in S. horizon.
2 0	29·721	16·7	14·8	—	Calm.	Dense cum.-strat. in S. horizon; remainder clear; fair.
3 0	29·718	19·1	16·9	—	Calm.	Dense cum.-strat. along S. horizon; remainder clear; fair.
4 0	29·703	20·8	18·3	—	Calm.	Dense cum.-strat. along S. horizon; remainder clear; fair.
5 0	29·692	22·8	20·8	—	Calm.	Detached cum.-strat. and cir.-cum. round horizon; zenith clear; fair.
6 0	29·674	24·4	22·4	N. N. W.	Very light.	Detached cum.-strat. and cir.-cum. round horizon; zenith clear; fair.
7 0	29·658	26·5	24·8	S. S. W.	Very light.	Detached cir.-cum. and cum.-strat.; generally fair.
8 0	29·628	28·0	26·2	S. S. E.	Very light.	Detached cir.-cum. round horizon; remainder clear; fair.
9 0	29·608	29·1	27·2	S. S. E.	Very light.	Light cir.-cum. generally round horizon; remainder clear; fair.

April 24th and 25th. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0′·721. DECLINATION.									
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	121·2	122·3	123·0	123·0	123·3	123·0	123·5	130·9	120·1	127·9	125·5
5	0	121·2	122·4	123·0	122·5	123·6	123·4	123·8	131·7	120·5	127·5	125·1
10	0	121·2	122·4	123·0	122·5	123·1	123·0	123·7	132·1	121·1	127·6	125·1
15	0	121·2	122·9	123·1	122·2	123·1	123·0	123·7	132·1	122·3	127·3	125·0
20	0	121·5	123·0	123·0	122·5	123·0	123·2	123·6	132·0	123·8	127·7	125·0
25	0	121·7	123·0	123·0	123·0	123·0	123·1	123·5	129·6	124·3	127·5	125·0
30	0	121·8	123·0	123·4	123·1	123·0	123·2	123·3	128·1	126·2	127·3	124·8
35	0	122·0	123·1	123·3	123·7	123·0	123·8	123·4	128·2	126·9	127·1	124·9
40	0	122·0	123·1	123·4	123·0	123·0	123·9	123·5	127·5	128·1	126·4	125·0
45	0	122·0	123·1	123·4	123·0	122·9	123·8	125·0	127·0	128·2	126·4	125·0
50	0	122·1	123·1	123·4	123·0	123·0	123·5	127·1	125·3	128·0	126·3	125·1
55	0	122·2	123·1	123·7	123·1	123·0	123·4	129·0	122·6	128·3	126·0	125·7
		One Scale Division = ·000087 parts of the H. F. HORIZONTAL FORCE.										
M.	S.											
2	0	500·0	503·0	502·6	497·1	495·5	496·0	497·0	494·1	492·9	499·7	500·7
7	0	500·0	502·9	502·5	497·0	496·0	496·0	497·0	493·6	493·2	500·4	501·1
12	0	500·0	501·9	503·2	496·5	496·0	495·6	496·8	494·0	494·1	500·4	501·5
17	0	500·1	501·1	501·4	496·8	496·8	495·6	496·6	493·6	494·9	500·4	502·1
22	0	500·0	500·7	599·2	496·0	496·8	495·9	496·6	493·7	495·4	500·1	502·1
27	0	500·0	500·9	599·1	497·0	496·0	496·0	496·7	494·0	498·9	499·8	502·4
32	0	500·7	500·3	598·6	498·0	496·0	496·4	496·5	493·7	497·9	500·1	502·9
37	0	501·9	500·0	598·1	498·0	496·0	497·4	496·0	492·0	498·3	500·5	503·0
42	0	503·9	500·0	597·8	498·0	495·7	497·9	495·8	491·6	498·7	500·0	503·4
47	0	504·0	501·7	597·8	498·0	495·5	498·0	494·8	491·5	499·0	499·9	504·3
52	0	502·5	502·8	597·4	496·8	495·6	497·2	493·5	492·9	499·1	499·7	505·0
57	0	502·4	502·5	597·6	496·1	496·0	497·0	493·0	492·5	499·6	499·7	504·8
Thermometer		65°·0	65°·2	65°·0	65°·0	64°·5	63°·5	62°·7	62°·1	61°·4	61°·2	61°·0
		One Scale Division = ·000062 parts of the V. F. VERTICAL FORCE.										
M.	S.											
3	0	85·0	84·7	84·6	83·1	81·9	83·2	84·3	84·5	85·9	86·2	86·1
8	0	85·0	84·3	84·6	83·1	81·9	83·2	84·3	84·5	85·9	86·5	86·3
13	0	85·0	84·3	84·4	82·2	81·9	83·2	84·3	84·5	85·7	85·9	86·3
18	0	85·0	84·3	84·5	82·2	81·9	83·1	83·8	84·6	85·7	85·9	86·1
23	0	85·0	84·3	84·5	82·2	82·4	83·6	83·8	84·8	85·7	85·4	86·1
28	0	85·0	84·3	84·5	82·2	82·3	83·8	83·7	84·8	86·2	85·2	86·1
33	0	84·8	84·5	84·5	82·2	82·3	83·8	84·5	84·8	85·8	85·2	86·1
38	0	85·0	84·5	84·2	82·2	82·5	84·3	84·8	85·1	85·7	85·1	86·1
43	0	85·0	84·5	84·2	82·2	82·9	84·3	84·8	85·1	87·7	85·1	86·1
48	0	85·0	84·6	84·2	82·2	82·8	84·3	84·8	85·8	86·7	83·1	86·5
53	0	84·6	84·6	84·7	81·9	82·8	84·3	83·8	85·9	86·7	85·1	86·7
58	0	84·7	84·6	83·1	81·9	83·2	84·3	83·8	85·9	86·8	85·1	86·7
Thermometer		63°·6	63°·6	63°·6	63°·8	64°·5	63°·8	63°·3	62°·8	61°·8	61°·8	61°·6

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
24	10	0	29·391	68·0	57·4	N.	Brisk with gusts.	Generally cloudy, with heavy detached cir.-cum.
	11	0	29·454	66·4	58·4	N. N. W.	Brist.	Detached cir.-cum., with clear intervals.
	12	0	29·464	62·6	54·8	N.	Moderate.	Detached cir.-cum. and cum.-strat., with clear intervals.
	13	0	29·520	57·4	51·6	N. N. W.	Brisk.	Heavy cir.-strat. and cir.-cum. round horizon; zenith clear; hazy.
	14	0	29·618	52·8	47·0	N. W.	Brisk.	Densely clouded cir.-cum. and cum.-strat.
	15	0	29·647	49·2	44·2	N. W.	Brisk.	Densely clouded cir.-cum. and cum.-strat.
	16	0	29·673	48·2	44·0	N. N. W.	Moderate.	Densely clouded cir.-cum. and cum.-strat.
	17	0	29·711	46·8	43·2	N. N. W.	Moderate.	Generally overcast with cir.-cum. and cum.-strat; clear spaces.
	18	0	29·748	45·5	42·1	N. N. W.	Moderate.	Generally clear, a few cir.-cum. passing rapidly across zenith from N.W.
	19	0	29·776	44·4	41·4	N. N. W.	Moderate.	Clear.
	20	0	29·811	42·9	40·3	—	Calm.	Clear.
	21	0	29·809	39·9	38·1	—	Calm.	Clear.

MAGNETICAL OBSERVATIONS. April 24th and 25th.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
126·3	128·2	129·5	127·0	129·1	122·8	117·0	117·7	121·0	118·7	117·1	115·2	117·7
126·5	128·6	128·9	126·8	128·5	121·8	117·8	118·0	122·0	120·3	117·0	115·3	118·0
128·6	129·4	128·3	127·1	127·8	122·7	116·9	120·1	122·8	120·9	116·2	115·9	118·1
127·0	130·5	128·0	126·8	128·3	119·2	116·0	122·0	122·8	121·3	116·9	115·8	118·2
127·0	130·5	128·0	126·6	129·0	115·7	116·7	124·3	123·0	120·4	115·9	115·6	118·3
126·8	130·4	127·6	127·1	129·8	114·9	117·9	125·2	122·6	118·8	114·9	116·1	118·1
127·0	130·5	127·9	128·2	129·9	114·1	117·3	123·8	122·9	118·8	115·2	115·8	118·1
127·0	130·1	128·0	128·8	129·4	114·5	118·3	122·8	122·2	121·1	115·1	115·5	118·1
127·5	129·5	127·8	129·9	124·5	115·1	119·1	123·6	120·9	121·2	114·3	116·1	118·3
127·9	128·9	127·3	130·4	123·9	114·9	117·8	124·0	118·5	119·4	112·6	116·6	118·3
127·9	129·4	126·9	129·0	123·5	115·4	117·1	122·8	118·2	117·1	113·1	117·0	118·5
128·2	129·6	126·8	128·8	123·0	116·9	117·4	121·7	117·4	116·4	113·7	117·7	118·8

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fah'. = ·00027.

505·0	503·8	505·4	506·1	501·6	488·3	493·1	507·3	494·7	487·4	478·9	479·5	492·4
504·9	503·3	505·2	507·0	502·4	487·6	499·0	506·5	493·7	489·8	481·6	480·5	496·3
504·6	503·0	505·9	507·7	500·8	482·0	503·7	505·1	491·5	493·4	475·0	481·6	498·9
505·0	503·7	505·6	507·7	497·4	481·6	408·4	504·6	490·4	494·4	478·9	480·0	497·1
505·4	503·3	504·2	507·4	494·3	480·8	509·1	505·5	488·6	493·6	479·9	479·7	494·8
505·0	503·1	503·6	507·3	491·4	481·9	510·9	503·4	483·1	494·2	478·9	481·0	494·4
505·0	503·0	505·2	508·7	489·6	481·4	510·5	501·8	485·1	495·9	472·7	479·7	494·7
504·2	503·0	505·6	508·1	487·8	485·0	507·2	500·8	481·4	495·5	474·5	482·1	494·8
503·2	504·1	504·6	507·4	488·3	488·8	503·5	499·1	482·5	494·0	480·0	481·7	494·5
504·1	505·6	503·5	508·2	490·7	489·3	505·7	497·1	481·9	481·5	478·9	483·1	494·2
504·3	507·4	504·6	506·2	492·8	491·1	507·8	497·3	483·3	478·4	482·0	485·6	494·4
504·9	506·3	504·3	503·8	499·0	491·5	508·5	494·8	483·9	477·4	480·4	490·7	495·0
°	°	°	°	°	°	°	°	°	°	°	°	°
60·0	59·9	59·6	58·8	59·6	61·0	61·8	62·3	62·5	62·4	62·5	62 6	62·6*

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fah'. = ·00007.

86·9	87·5	89·6	90·1	86·6	84·1	80·9	79·0	81·5	82·5	85·7	94·5	91·2
87·1	87·5	89·0	90·1	87·2	83·0	81·6	79·0	80·6	82·9	85·8	94·2	92·2
87·1	87·5	89·0	90·3	86·9	82·0	81·5	79·0	80·6	83·5	86·8	93·8	92·2
87·2	87·5	89·1	90·3	86·6	82·7	80·4	79·8	81·0	83·8	88·5	92·2	92·2
87·3	87·5	89·5	90·1	86·6	81·1	79·9	80·6	80·8	84·1	89·4	91·4	91·2
87·3	87·2	89·5	89·7	86·6	80·1	79·3	80·6	80·8	84·6	89·8	90·5	90·9
87·5	87·5	89·5	88·9	86·6	80·1	78·9	80·6	81·2	85·1	90·3	99·5	90·9
87·5	87·9	89·9	87·7	86·6	80·1	78·4	80·6	81·7	85·1	92·2	90·3	90·4
87·3	88·6	90·0	87·7	87·4	80·4	78·7	81·2	81·7	85·0	94·1	89·9	90·2
87·2	89·0	90·0	87·7	87·3	80·4	79·1	80·7	81·9	84·4	94·2	89·8	90·2
87·2	89·0	90·4	87·7	86·8	80·4	79·1	81·5	81·9	84·4	95·2	80·4	89·7
87·2	89·4	90·3	87·6	86·5	80·4	79·1	81·5	81·9	85·0	94·9	81·2	89·7
°	°	°	°	°	°	°	°	°	°	°	°	°
61·2	60·8	60·4	59·6	60·4	60·6	61·1	61·4	61·6	61·8	61·8	62·0	62·1*

* At 25d 10h Thermometer of H. F. 62°·4; of V. F. 62°·0.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction	Force.	
D.	H.	M.	in.	°	°			
24	22	0	29·810	41·0	38·7	—	Calm.	Unclouded, but hazy.
	23	0	29·824	40·4	38·0	N. N. W.	Very light.	Clear.
25	0	0	29·831	39·6	38·2	N. N. W.	Very light.	Quite clear.
	1	0	29·830	43·0	40·8	—	Calm.	Quite clear.
	2	0	29·828	47·8	43·4	—	Calm.	Quite clear.
	3	0	29·835	50·6	45·6	—	Calm.	Quite clear.
	4	0	29·833	52·2	47·4	'S. W.	Very light.	Generally clear; very light cir. scattered; fair.
	5	0	29·816	54·9	48·4	S. S. W.	Very light.	Light cir. haze scattered generally; clear intervals.
	6	0	29·808	56·2	47·9	S. S. W.	Very light.	Very light cir. haze generally diffused; fair [diameter about 35° perfect.
	7	0	29·793	57·7	48·4	S. S. W.	Very light.	Overspread with very light cir. and haze; fair; halo round the ⊙
	8	0	29·782	59·0	50·6	S. S. W.	Light.	Overcast; cir. and haze.
	9	0	29·735	56·3	47·1	S. S. W.	Light.	Thickly overcast cir.; cir.-strat. and haze.

May 24th and 25th. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0′·721. **Declination.**									
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	122·0	119·4	119·0	114·1	115·8	122·0	115·0	117·0	116·1	123·3	117·0
5	0	124·0	119·4	119·0	113·7	116·1	122·7	115·6	117·1	118·1	124·2	116·8
10	0	124·0	119·5	119·0	114·0	116·2	119·7	116·4	116·8	118·9	124·0	117·1
15	0	123·9	120·2	119·1	115·0	117·7	115·0	116·8	116·7	119·9	123·3	118·2
20	0	122·7	120·2	121·6	117·5	121·0	114·4	117·2	116·6	120·2	121·4	118·8
25	0	121·9	120·2	132·7	119·8	122·0	113·1	117·8	117·8	121·3	120·8	119·2
30	0	121·3	120·2	131·6	120·0	120·5	114·8	118·9	118·1	121·5	120·7	120·0
35	0	121·2	119·9	124·3	119·4	119·0	115·4	118·8	117·6	122·4	120·6	120·7
40	0	121·1	119·2	122·8	117·6	119·0	114·5	118·2	117·7	123·4	120·5	120·8
45	0	119·9	119·3	119·7	116·9	116·9	114·8	117·1	116·7	123·6	120·4	121·2
50	0	119·7	119·2	119·3	116·0	118·0	115·4	116·6	116·2	124·1	120·4	121·3
55	0	119·8	118·9	115·0	115·1	120·1	115·0	116·2	115·0	123·9	120·4	121·0
		One Scale Division = ·000087 parts of the H. F. **Horizontal Force.**										
M.	S.											
2	0	502·0	499·0	498·0	494·4	496·9	490·0	495·0	493·2	495·3	496·0	491·6
7	0	511·5	499·6	497·2	490·0	496·0	490·0	494·0	493·3	494·8	496·0	491·4
12	0	515·3	501·0	496·0	488·0	494·0	492·5	493·0	493·3	495·5	495·8	492·6
17	0	515·6	500·7	494·8	488·0	491·9	494·5	492·5	493·4	496·0	494·4	492·9
22	0	512·6	500·4	494·2	487·4	492·4	495·0	493·0	493·6	496·0	493·4	493·9
27	0	508·0	501·2	506·3	491·4	494·0	494·0	492·2	493·9	495·8	494·4	494·6
32	0	506·7	500·8	515·8	495·0	493·0	495·5	492 3	495·9	496·0	495·1	495·0
37	0	508·3	500·2	515·6	496·3	491·0	496·5	492·7	495·2	495·1	494·8	495·0
42	0	506·9	499·7	508·6	495·6	492·5	496·8	492·9	495·0	496·1	494·3	495·1
47	0	505·4	501·5	505·1	495·0	493·0	496·5	492·9	494·2	495·9	496·0	495·0
52	0	501·7	501·5	501·3	495·0	491·0	496·0	492·9	494·1	495·6	496·0	495·9
57	0	499·5	500·4	497·8	495·0	488·5	496·5	493·4	495·6	495·8	496·0	496·3
Thermometer		64°·6	65°·5	66°·2	65°·4	66°·0	66°·1	66°·0	65°·8	65°·5	65°·6	65°·5
		One Scale Division = ·000062 parts of the V. F. **Vertical Force.**										
M.	S.											
3	0	86·9	83·8	83·0	81·4	79·1	76·4	72·2	77·4	75·7	77·5	78·5
8	0	88·0	83·8	83·0	80·9	78·4	75·9	73·1	77·4	75·7	77·5	78·1
13	0	88·3	84·1	83·2	81·7	77·7	74·8	73·5	77·5	75·7	77·5	78·7
18	0	88·0	84·1	83·0	82·2	77·7	74·8	74·5	77·5	75·7	77·5	78·7
23	0	86·8	84·1	83·0	82·2	77·7	72·4	74·9	77·5	75·4	77·2	78·3
28	0	86·0	84·1	84·4	82·2	77·7	72·4	75·2	77·5	75·4	77·3	78·3
33	0	86·0	83·8	82·8	82·1	77·7	73·3	75·2	75·9	75·3	77·3	77·4
38	0	86·0	83·7	83·1	82·1	77·7	70·3	75·4	75·9	78·6	77·2	77·4
43	0	85·2	83·7	81·6	81·2	77·7	70·3	75·4	75·9	78·5	77·2	77·4
48	0	85·2	83·0	81·6	80·5	77·7	70·3	75·5	75·5	78·6	77·0	77·4
53	0	83·4	83·0	81·6	80·6	77·7	70·7	76·5	75·5	78·6	77·1	77·4
58	0	83·4	83·0	80·8	79·8	76·4	71·5	76·5	75·5	78·5	77·3	77·2
Thermometer		63°·6	64°·1	64°·8	65°·2	66°·0	66°·6	66°·6	66°·0	65°·6	65°·4	64°·9

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
24	10	0	29·730	68·2	61·0	E.	Very light.	Detached cir. and cir.-cum. scattered; fair.
	11	0	29·715	72·4	64·8	—	Calm.	Detached cir. and cir.-cum. scattered; fair.
	12	0	29·712	71·0	63·8	—	Calm.	Flexuous cir. generally over the sky; fair.
	13	0	29·693	65·4	58·8	—	Calm.	Unclouded, hazy round horizon.
	14	0	29·684	59·8	56·8	—	Calm.	Cir. and base round horizon; clear in south.
	15	0	29·676	57·6	55·6	—	Calm.	Unclouded, hazy round horizon.
	16	0	29·672	56·2	54·6	—	Calm.	Unclouded, hazy in W.
	17	0	29·676	56·7	54·7	—	Calm.	Clear except a few light cir.-cum. in S.
	18	0	29·674	55·1	54·0	—	Calm.	Clear except a few light cir.-cum. in S.
	19	0	29·642	53·9	53·1	—	Calm.	Clear except light cir.; haze round horizon.
	20	0	29·632	53·7	52·6	—	Calm.	Clear except cir.; haze round horizon.
	21	0	29·628	53·9	53·2	—	Calm.	Clouded cir.-cum. and base.

MAGNETICAL OBSERVATIONS. May 24th and 25th.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
120·5	123·7	126·9	128·4	130·4	129·9	127·2	123·6	121·1	115·4	115·9	118·5	118·0
121·2	124·4	127·3	128·8	131·1	129·1	127·5	124·0	121·0	115·0	115·3	118·5	118·1
121·6	124·1	127·9	128·4	130·0	129·0	127·0	124·0	121·0	115·5	115·0	118·2	118·1
121·5	124·3	127·8	128·8	131·0	128·2	127·0	124·1	119·6	115·4	115·0	118·3	119·3
121·1	125·0	128·0	129·7	131·8	128·1	126·3	123·7	119·4	115·7	116·1	118·5	120·9
121·5	125·5	128·4	129·9	131·3	128·0	126·0	122·3	119·2	115·0	116·2	118·5	121·1
121·9	126·0	128·1	130·0	132·0	128·0	126·0	122·0	118·4	115·1	115·8	118·2	121·1
122·4	126·6	127·8	130·0	132·0	128·0	125·9	122·1	118·0	115·0	116·5	118·5	121·0
122·8	126·4	127·9	130·0	131·8	128·0	124·9	121·2	117·8	115·1	117·0	119·1	121·2
122·9	126·9	128·0	130·0	130·7	127·7	123·9	121·0	117·7	115·1	118·2	119·2	121·2
123·6	126·8	128·2	130·0	131·3	127·7	123·4	121·3	116·9	115·4	117·9	119·2	121·0
123·4	126·1	128·5	129·6	129·9	127·3	124·0	121·0	115·6	116·0	118·1	119·3	120·6

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

496·2	496·4	496·0	495·2	493·6	488·3	488·3	493·0	490·7	488·0	495·4	500·6	487·7
495·7	495·9	496·0	494·0	493·3	487·9	490·0	494·4	490·9	487·6	493·0	501·3	485·2
496·5	496·5	496·0	495·2	493·3	488·4	489·7	494·8	490·2	492·3	489·9	501·8	485·2
496·1	495·8	496·2	495·3	491·2	489·3	490·0	493·9	490·0	491·6	489·8	502·7	489·1
496·4	496·1	496·5	495·4	489·2	489·9	489·8	490·6	489·8	490·0	494·7	501·9	496·9
495·6	496·0	496·9	496·3	491·0	489·6	489·4	492·7	491·7	489·9	494·6	503·8	500·2
495·0	495·9	497·0	495·1	491·0	489·0	480·6	491·9	488·7	493·0	493·0	504·5	499·4
495·0	496·2	495·9	493·8	491·0	488·6	491·9	493·7	488·6	492·9	496·6	505·0	498·9
495·8	496·2	495·1	492·9	489·0	488·6	493·4	494·3	488·3	490·8	501·1	506·7	501·7
495·0	496·0	495·0	492·7	490·9	490·0	493·4	493·4	489·6	490·8	502·5	505·9	502·7
495·3	496·3	495·6	494·2	487·5	488·5	492·9	491·8	488·9	491·9	501·4	501·5	502·4
495·0	496·4	495·9	494·4	488·8	488·9	492·9	491·8	487·0	495·2	504·0	497·4	501·9
°	°	°	°	°	°	°	°	°	°	°	°	°
65·4	65·2	65·0	64·5	64·8	65·0	65·0	66·0	67·2	68·5	70·2	70·7	71·4*

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

77·1	77·7	78·5	80·9	80·1	80·8	79·5	78·4	77·3	75·7	73·1	71·1	70·5
76·9	77·7	79·1	80·9	80·1	80·8	79·5	78·4	77·3	75·9	71·2	71·5	70·5
77·0	78·2	79·1	80·9	79·9	80·4	79·4	78·1	77·7	75·9	70·8	71·5	71·4
77·0	78·2	79·1	80·9	80·4	80·4	79·4	78·1	77·7	75·9	70·8	71·5	72·5
77·0	78·2	79·1	81·3	80·4	80·4	79·3	78·1	77·6	74·8	70·6	71·5	73·2
76·7	78·2	79·1	81·3	80·4	80·4	78·8	78·1	77·6	74·8	70·4	71·5	73·2
76·6	78·5	79·8	81·3	80·4	80·1	79·1	78·1	76·6	74·8	70·3	71·8	73·3
76·5	78·5	79·8	81·4	81·1	79·9	79·1	78·1	76·6	73·5	70·4	72·3	73·4
76·5	78·5	79·8	81·4	81·1	80·1	79·2	78·1	76·6	73·1	70·6	72·3	72·3
76·7	78·5	80·3	80·6	81·1	79·7	79·2	78·0	76·6	73·1	71·4	72·3	72·3
77·2	78·5	81·0	80·6	80·8	79·5	78·8	77·3	76·6	73·1	71·2	71·7	72·3
77·2	78·5	81·0	80·6	80·8	79·5	78·8	77·3	75·7	73·1	71·2	71·4	72·3
°	°	°	°	°	°	°	°	°	°	°	°	°
65·3	64·9	65·0	63·4	64·0	64.6	64·6	64·9	66·0	67·6	68·6	69·2	70·0*

* At 25^{d} 10^{h} Thermometer of H. F. 71°·9; of V. F. 70°·6.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
24	22	0	29·618	54·3	53·1	—	Calm.	Clouded cir.-cum. and haze.
	23	0	29·620	54·5	53·0	—	Calm.	Clouded cir.-cum. and haze.
25	0	6	29·620	55·8	54·4	—	Calm.	Clouded cir.-cum. and haze.
	1	0	29·624	59·5	57·6	—	Calm.	Clouded cir.-cum. and haze.
	2	6	29·614	62·8	60·6	—	Calm.	Clouded cir.-cum. and haze; distant thunder in W.
	3	0	29·612	64·8	62·4	—	Calm.	Overcast light cir.-cum. and haze.
	4	9	29·591	69·4	65·4	—	Calm.	Partially overcast with light cir.-cum. and haze. [zenith.
	5	0	29·581	70·3	67·5	S.	Very light.	Dense cum.-strat. round horizon; light cir.; haze generally diffused in
	6	0	29·560	74·0	69·6	S.	Very light.	Dense cir.-strat. in N. W. and W. light cir.; haze diffused over remainder
	7	0	29·530	75·5	69·7	S. E. by S.	Light.	Partially clear above; cir. and cum. over remainder. [of sky.
	8	0	29·510	75·8	68·3	S. by E.	Moderate.	Partially clouded cir. and detached cum.
	9	0	29·480	76·6	68·4	S. S. E.	Moderate.	Light cir. generally over the sky; hazy.

June 19th and 20th. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0′·721. DECLINATION.										
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	S. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	116·9	120·1	122·0	122·5	121·4	122·6	121·0	123·0	—	121·3	123·1
5	0	117·3	120·2	122·0	122·9	122·2	121·5	121·0	123·0	122·6	122·0	124·0
10	0	117·8	120·3	122·3	122·4	122·4	121·3	120·9	123·0	122·2	122·7	123·7
15	0	118·1	120·7	122·2	122·0	122·0	121·3	121·0	122·1	122·0	122·5	123·9
20	0	118·5	120·9	122·0	122·0	121·3	122·0	121·0	122·0	122·2	123·0	123·9
25	0	119·0	121·0	122·4	122·8	121·1	121·3	121·2	122·2	122·0	123·2	123·9
30	0	119·2	121·0	122·9	122·1	121·2	120·0	122·0	122·6	122·0	124·3	123·3
35	0	119·7	121·2	122·9	121·7	121·0	119·2	122·8	122·8	121·6	123·9	123·1
40	0	119·7	121·4	122·9	121·8	120·9	119·7	123·0	122·8	121·3	123·2	123·9
45	0	119·5	121·3	123·0	121·3	121·0	121·0	122·8	122·3	121·1	123·0	124·2
50	0	119·9	121·8	123·0	120·9	121·0	121·8	122·8	122·0	120·9	122·8	124·2
55	0	120·0	121·7	122·8	120·6	122·0	121·7	122·8	122·7	121·0	123·0	124·5

		One Scale Division = ·000087 parts of the H. F. HORIZONTAL FORCE.										
M.	S.											
3	0	496·9	500·1	498·5	493·4	492·3	494·0	497·0	495·8	495·0	497·0	497·0
8	0	494·6	499·7	498·4	492·7	492·2	491·8	497·0	495·4	495·3	496·8	496·7
13	0	496·2	500·3	498·2	493·0	494·5	491·3	496·0	495·2	495·6	497·2	495·9
18	0	497·1	500·1	497·9	494·8	493·8	491·7	495·0	495·3	496·0	496·2	495·3
23	0	500·0	500·0	496·0	493·8	494·1	496·1	493·8	495·2	496·3	495·8	495·6
28	0	502·6	499·2	496·6	495·5	494·4	497·9	492·1	495·4	496·7	495·5	495·3
33	0	503·6	498·0	496·5	494·8	493·6	497·3	492·0	495·1	496·0	496·9	495·0
38	0	503·4	498·0	496·5	493·7	492·2	495·8	492·0	495·0	495·8	495·8	495·2
43	0	502·8	498·3	498·0	493·4	493·0	496·9	493·0	495·0	496·0	495·7	495·2
48	0	501·0	498·0	497·6	492·6	492·8	496·1	493·8	494·6	496·8	495·8	495·0
53	0	500·0	499·9	497·6	492·8	493·2	495·4	494·2	494·0	497·2	496·8	495·5
58	0	500·0	499·2	495·3	491·3	493·8	495·7	495·3	494·0	497·4	496·7	495·0
Thermometer		73°·5	74°·0	73°·7	73°·7	73°·2	72°·8	72°·0	71°·8	71°·6	71°·5	71°·0

		One Scale Division = ·000062 parts of the V. F. VERTICAL FORCE.										
M.	S.											
3	0	63·6	63·2	63·3	62·8	62·8	61·4	60·7	61·8	61·8	61·7	62·1
8	0	63·2	63·1	63·2	62·8	62·8	61·4	60·7	61·8	62·1	61·7	62·1
13	0	63·4	63·1	63·2	62·8	62·1	61·4	60·7	61·8	62·1	61·7	62·1
18	0	63·4	63·1	63·0	62·8	62·1	61·4	61·0	61·8	61·8	61·8	62·1
23	0	63·7	63·0	63·0	62·8	62·1	61·4	60·8	61·8	61·8	61·6	62·1
28	0	63·9	63·1	63·0	63·1	62·1	61·4	60·8	61·8	61·8	61·8	62·1
33	0	63·9	63·1	63·0	63·1	62·1	61·4	61·2	61·8	61·8	61·6	62·1
38	0	63·8	63·2	63·0	63·1	61·8	61·4	61·2	61·8	61·8	61·8	62·1
43	0	63·6	63·2	63·1	63·1	61·8	61·4	61·8	61·8	61·8	62·2	62·1
48	0	63·4	63·2	63·1	62·8	61·8	60·8	61·8	61·8	61·8	62·2	62·1
53	0	63·4	63·4	63·1	62·8	61·8	60·8	61·8	61·8	61·8	62·7	62·1
58	0	63·4	63·3	63·1	62·8	61·4	60·9	61·8	61·8	61·8	62·7	63·0
Thermometer		72°·5	73°·2	73°·1	72°·7	72°·7	72°·8	72°·3	71°·9	71°·7	71°·5	71°·1

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
19	10	0	29·279	75·6	69·1	—	—	No remark.
	11	0	29·320	76·2	68·7	N.	Light.	Partially overcast, with heavy masses of cum. and cum.-strat.
	12	0	29·357	72·1	66·6	N. W.	Very light.	Partially overcast; cir.-cum. and cum.-strat.
	13	0	29·368	74·3	66·0	N.	Mod. with gusts	A few detached cir.-cum. round horizon.
	14	0	29·402	68·2	63·2	N.	Light.	Unclouded; light haze round horizon.
	15	0	29·435	64·7	61·1	—	Calm.	Clear.
	16	0	29·448	63·0	60·0	—	Calm.	Clear.
	17	0	29·463	62·4	60·2	—	Calm.	Clouded; cir.-cum. and haze. [and clear alternately.
	18	0	29·465	63·2	61·2	—	Calm.	Clear in N.W., remainder clouded; cir.-cum. and haze; clouds
	19	0	29·466	61·6	60·2	—	Calm.	Unclouded; slight haze round horizon; sheet lightning in N.
	20	0	29·476	60·4	59·9	N. N. W.	Very light.	Clear. [horizon.
	21	0	29·479	60·2	59·1	N. N. W.	Very light.	Clear, except very light fleecous cir.-haze rising in N.

MAGNETICAL OBSERVATIONS. June 19th and 20th.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
124·8	125·5	128·7	130·0	130·5	131·0	129·2	125·4	121·5	116·7	115·8	112·3	115·1
124·9	125·5	128·0	130·3	129·8	131·0	129·4	124·7	120·9	116·2	115·1	114·3	115·8
124·9	126·0	128·1	130·9	130·5	130·9	129·2	124·4	120·1	116·2	113·9	112·9	115·4
125·0	126·0	128·2	130·7	131·0	130·8	129·0	123·7	119·6	115·9	114·7	112·9	115·1
125·0	126·3	128·6	130·9	130·3	130·9	128·8	123·7	119·2	115·5	114·2	112·9	115·1
124·6	126·9	129·0	130·9	130·0	131·0	128·6	124·0	118·4	115·6	114·1	113·7	116·0
124·4	127·0	129·0	130·3	130·4	131·0	128·3	123·8	118·0	115·5	114·1	113·7	116·0
124·4	127·3	129·1	130·0	130·6	130·9	127·4	123·8	117·8	115·6	113·9	114·0	116·6
124·0	127·3	129·3	129·2	131·0	130·4	127·0	123·3	117·2	115·4	113·9	114·1	117·1
124·0	127·8	129·3	130·0	131·1	130·3	126·7	123·7	117·0	115·1	113·8	114·0	117·7
124·4	128·8	129·9	130·2	131·6	130·0	126·3	123·2	116·9	114·9	113·9	114·1	118·2
125·2	123·6	130·0	130·9	131·0	129·7	125·7	122·2	116·8	115·3	113·1	115·0	119·0

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

498·7	495·4	498·4	499·6	498·0	497·5	491·0	485·6	489·5	493·4	490·9	515·7	510·7
495·1	495·8	498·9	500·1	497·2	497·4	491·0	487·4	490·1	494·3	500·9	508·8	510·2
494·6	496·3	498·9	500·6	497·9	496·9	489·6	487·3	490·2	495·9	502·7	504·9	505·0
494·7	496·7	498·9	500·5	497·0	496·8	489·5	488·2	490·5	496·4	503·3	505·2	504·7
494·6	496·8	498·9	500·8	497·0	496·4	488·9	489·3	491·5	498·2	502·7	507·8	507·9
494·6	497·3	499·5	501·4	497·0	496·5	488·0	488·9	491·9	498·9	504·8	513·2	506·9
494·8	497·6	499·2	501·0	498·4	496·1	487·0	489·6	492·1	499·6	504·2	511·9	507·2
495·4	497·6	499·7	500·8	498·3	494·4	487·1	489·8	492·7	500·2	505·9	512·6	504·8
496·0	497·9	499·8	502·5	497·7	494·3	486·9	490·0	493·4	500·5	503·6	514·1	506·0
495·3	497·3	499·1	499·5	498·0	493·4	487·3	490·3	493·6	498·8	504·9	511·2	510·6
495·0	497·4	499·4	498·2	498·1	492·8	486·8	490·1	493·9	498·5	506·4	510·2	509·8
495·1	497·8	499·4	498·4	497·8	492·0	486·9	489·9	493·9	499·1	506·8	509·0	510·5
°	°	°	°	°	°	°	°	°	°	°	°	°
70·4	70·0	69·5	69·5	69·0	68·5	68·5	69·0	69·2	69·6	70·2	70·5	71·0*

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

63·0	63·3	64·6	62·5	64·0	64·9	65·3	64·1	63·4	63·4	62·9	63·6	64·3
63·6	63·3	64·6	62·5	64·0	64·9	65·3	64·1	63·4	63·4	62·9	63·6	64·3
63·6	63·3	64·0	63·1	64·0	64·9	65·3	64·1	63·4	63·4	62·9	63·6	63·6
63·6	63·3	64·0	63·1	64·5	64·9	65·3	63·7	63·4	63·0	62·9	63·6	63·6
63·6	63·3	63·4	63·2	64·9	64·9	64·9	63·7	63·4	63·0	63·4	63·6	64·0
63·3	64·2	63·4	63·6	64·9	64·9	64·9	63·4	63·4	63·0	63·4	64·3	64 0
63·3	64·2	62·6	63·6	64·9	65·3	64·5	63·4	63·4	63·0	63·4	64·3	64·0
63·3	64·2	62·6	63·6	64·9	65·3	64·5	63·4	63·4	63·0	63·4	64·3	64·0
63·3	64·6	62·1	63·6	64·9	65·3	64·5	63·3	63·4	63·0	63·4	64·3	64·0
63·3	64·6	62·1	64·0	64·9	65·3	64·3	63·3	63·4	62·9	63·6	64·3	64·0
63·3	64·6	62·1	64·0	64·9	65·3	64·2	63·3	63·4	62·9	63 6	64·3	64·0
63·3	64·6	62·1	64·0	64·9	65·3	64·1	63·4	63·4	62·9	63·6	64·3	64·0
°	°	°	°	°	°	°	°	°	°	°	°	°
70·6	70·4	69·4	71·0	69·5	68·8	68·5	68·6	68·7	69·1	69·5	70·0	70·0*

* At 20^{h} 10^{h} the Thermometer of H. F. 71°·2; of V. F. 70°·3.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
19	22	0	29·487	58·9	58·0	—	Calm.	Light cir. round horizon; zenith clear.
	23	0	29·508	58·7	55·4	N. N. W.	Very light.	Light cir. round horizon; zenith clear.
20	0	0	29·517	59·5	55·6	N. by W.	Light.	Light cir.-strat. generally dispersed round horizon, otherwise clear.
	1	0	29·535	61·0	55·6	N. by W.	Light.	Light cir.-strat. round S. horizon, remainder clear.
	2	0	29·528	63·4	57·4	N. by W.	Light.	Clear.
	3	0	29·529	66·0	58·4	N. by W.	Light.	Clear.
	4	0	29·545	67·9	56·6	N. N. W.	Light.	Zenith clear; light detached cir.-cum. round N. W. and S. horizon; fair.
	5	0	29·545	69·7	61·8	N. N. W.	Light.	Overcast, with detached cir.-cum. and cum.-strat.; clear intervals; fair.
	6	0	29·548	69·0	59·1	N. N. W.	Light.	Overcast; well-defined cir.-cum. and cum.-strat.; clear intervals; fair.
	7	0	29·546	71·1	61·7	N. N. W.	Light.	Overcast; dense masses of cir.-cum. interspersed with clear spaces.
	8	0	29·546	72·3	62·0	N. N. W.	Light.	Overcast; dense masses of cum. and cir.-cum.
	9	0	29·544	71·2	60·6	N. N. W.	Light.	Clouded; cum., cir.-cum. and haze.

July 24th and 25th. MAGNETICAL OBSERVATIONS.

Mean Göttingen Time.		Angular Value of one Scale Division = 0'·721. DECLINATION.										
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	119·9	120·2	121·1	121·5	121·4	120·9	121·0	124·3	127·0	128·2	128·8
5	0	119·6	120·2	121·3	121·3	121·5	121·0	120·7	126·6	131·9	128·1	128·2
10	0	119·6	120·4	121·4	121·4	121·7	121·0	120·8	130·0	130·7	130·5	127·2
15	0	119·8	120·5	121·4	124·7	121·2	120·8	121·0	130·7	139·2	129·0	128·6
20	0	119·8	119·7	121·4	124·9	121·0	121·1	121·0	129·5	139·8	126·5	129·3
25	0	119·8	120·9	121·8	122·1	121·1	122·9	121·1	120·0	139·3	121·0	127·1
30	0	119·9	120·8	121·8	121·0	121·6	122·4	121·5	127·0	139·8	114·7	127·3
35	0	120·0	120·8	121·9	120·5	122·0	122·4	121·9	126·3	137·2	115·4	124·2
40	0	120·0	119·9	121·6	120·2	122·0	122·4	122·3	125·3	134·1	115·5	119·3
45	0	120·0	120·7	121·5	120·9	121·0	122·0	122·8	124·5	132·0	115·6	121·1
50	0	120·0	121·1	121·9	121·0	121·2	121·1	123·3	123·5	130·8	118·9	123·9
55	0	120·1	121·2	121·9	120·8	120·8	121·0	123·9	125·8	129·6	122·5	126·9
		One Scale Division = ·000087 parts of the H. F. HORIZONTAL FORCE.										
M.	S.											
2	0	511·8	509·2	510·6	512·1	522·9	523·1	525·0	522·9	518·9	522·2	491·6
7	0	511·4	508·3	510·0	512·4	523·2	523·7	524·4	523·9	523·5	519·8	495·0
12	0	510·5	508·9	510·8	512·4	524·0	525·0	523·8	522·8	528·4	518·1	493·0
17	0	510·1	507·1	511·8	529·6	524·2	523·0	523·6	521·1	532·4	519·0	492·3
22	0	509·3	505·6	511·5	524·5	525·4	526·4	523·8	518·1	529·8	517·2	495·1
27	0	509·7	509·1	512·7	523·5	526·3	528·8	524·0	518·7	525·7	513·9	489·8
32	0	508·0	510·8	512·9	520·5	528·1	527·0	523·3	526·5	523·5	512·5	489·5
37	0	508·5	510·5	512·8	519·5	530·9	526·2	523·3	515·8	520·1	507·7	489·6
42	0	508·6	511·3	512·5	518·4	525·6	527·4	524·1	532·9	518·4	504·0	486·3
47	0	508·9	510·9	512·2	519·4	522·0	526·7	525·2	538·8	519·9	502·3	494·6
52	0	509·7	510·7	512·5	520·9	521·6	525·5	524·5	518·4	520·3	503·4	503·8
57	0	510·8	510·9	513·0	521·0	521·7	525·0	524·4	512·4	521·6	497·3	510·5
Thermometer		72°·8	72°·7	72°·7	72°·5	72°·5	72°·5	72°·5	72°·2	72°·0	72°·0	71°·8
		One Scale Division = ·000062 parts of the V. F. VERTICAL FORCE.										
M.	S.											
3	0	55·0	53·9	53·3	53·5	50·4	49·5	50·8	52·3	50·9	47·6	21·4
8	0	55·0	53·9	53·5	54·0	50·4	49·5	50·8	52·7	49·5	45·8	22·2
13	0	55·0	53·9	53·5	54·0	50·4	49·5	50·8	51·5	48·5	39·4	21·9
18	0	55·0	53·9	53·5	56·5	49·7	49·5	51·0	51·5	46·8	39·4	23·8
23	0	55·0	53·9	53·5	54·6	49·7	49·9	52·0	51·5	45·6	37·4	25·5
28	0	55·0	53·8	53·5	53·5	49·7	49·9	52·0	51·5	45·1	37·8	24·6
33	0	53·9	53·8	53·5	52·7	49·7	49·9	52·0	51·5	45·1	35·5	24·6
38	0	53·9	53·8	53·5	52·1	49·7	49·9	51·6	51·5	46·7	31·9	26·4
43	0	53·9	53·3	53·5	51·0	49·5	50·1	51·6	51·0	46·7	30·9	26·4
48	0	53·9	53·3	53·5	51·0	49·5	50·1	52·8	48·5	48·0	28·6	30·9
53	0	53·9	53·3	53·5	51·0	49·5	50·5	52·3	48·5	48·0	27·5	33·1
58	0	53·9	53·3	53·5	51·0	49·5	50·5	52·3	49·8	48·0	23·8	34·9
Thermometer		72°·3	72°·2	72°·2	72°·0	72°·6	72°·9	72°·9	72°·6	72°·6	72°·6	72°·8

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°		lbs.	
24	10	0	29·502	70·0	63·6	E. by S.	Very light.	Overcast; cir.-cum., cir.-strat., and cum.-strat.; fair.
	11	0	29·594	89·3	64·0	—	Calm.	Overcast; cir.-cum., cir.-strat., and cum.-strat.; fair.
	12	0	29·598	67·0	62·6	—	Calm.	Clouded; cir.-cum., cir.-strat., and haze.
	13	0	29·594	65·3	61·6	—	Calm.	Clouded; cir.-strat. and haze.
	14	0	29·564	63·8	61·2	—	Calm.	Overcast; dense cir.-strat. and haze.
	15	0	29·585	64·6	61·8	—	Calm.	Overcast; dense haze; commenced raining.
	16	0	29·569	62·8	61·6	—	Calm.	Clouded; cir.-strat. and haze; a few drops of rain.
	17	0	29·573	62·8	61·2	—	Calm.	Overcast with cir.-strat. and haze; commenced raining at 17h 45m.
	18	0	29·573	62·3	61·2	—	Calm.	Overcast dense cir.-strat. and haze; raining heavily since 17h 45m.
	19	0	29·571	62·1	61·1	—	Calm.	Densely overcast cir.-strat. and haze; raining mod. since midnight.
	20	0	29·551	61·6	61·0	—	Calm.	Densely clouded; raining mod. ately since last observation.
	21	0	29·525	61·8	61·2	—	Calm.	Densely clouded; raining moderately since last observation.

MAGNETICAL OBSERVATIONS. July 24th and 25th.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
129·8	139·1	132·1	127·4	120·2	129·0	131·1	125·0	120·6	115·6	117·0	112·1	118·0
130·0	144·0	131·0	125·9	121·0	129·1	130·0	122·8	121·7	116·7	116·3	112·4	117·9
136·1	145·2	128·7	128·2	119·8	127·2	120·9	119·6	122·4	115 9	116·3	113·7	117·0
136·4	145·1	129·1	128·3	121·6	126·0	127·3	120·0	122·1	115·0	116·8	116·4	117·5
134·5	144·0	128·9	127·8	122·9	125·2	131·5	121·1	123·3	116·4	116·8	116·7	117·7
134·8	143·8	129·0	124·9	123·5	125·1	131·0	120·0	122 7	116·7	116·8	117·8	117·4
136·1	141·5	131·4	121·5	122·9	126·1	130·0	119·1	120·3	116·1	116·2	119·2	118·0
138·3	139·8	133·0	120·4	124·0	157·9	130·1	119·1	117·3	116·3	116·7	119·0	118·0
138·7	136·5	133·6	122·0	123·7	127·5	129·7	118·4	116·6	115·0	117·7	119·0	118·2
138·0	133·1	129·9	121·0	125·5	127·4	127·9	118·7	115 4	115·6	116·4	118·9	119·2
139·6	131·0	128·0	122·2	126·3	127·1	127·0	118·7	114·0	117·2	115·1	118·2	119·0
138·4	131·5	127·3	120·6	126·3	131·8	127·2	119·2	113 6	117·0	114·1	117·5	119·2

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00027.

513·5	501·1	510·2	508·6	509·0	523·5	509·3	505·5	485·7	492·6	504·0	504·9	522·7
511·3	507·4	508·3	505·5	509·5	525·8	513·1	505·6	489·7	495·5	502·5	507·0	525·6
512·0	516·1	506·5	509·2	507·0	525·6	514·3	499·5	491·2	496·5	502·2	508·7	520·7
511·3	515·6	505·1	509·4	508·5	526·2	509·2	492·3	490·2	494·3	502·9	514·7	519·6
508·5	514·7	506·0	510·4	509·0	522·7	504·7	494·6	490·6	495·6	502·5	515·5	518·5
508·9	513·9	506·4	508·2	508·0	518·4	501·6	494·9	491·0	494·8	502·5	521·1	519·0
507·6	508·2	504·7	503·4	508·6	517·1	498·1	498·9	491·4	497·2	501·8	523 6	519·0
509·7	511·7	503·4	511·4	509·0	518·0	497·1	497·5	489·7	500·5	503·5	522·8	519·8
508·2	513·4	501·7	510·2	507·6	519·1	500·1	496·3	489·8	500·6	505·7	524·1	516·5
503·3	514·2	499·5	506·8	509·5	513·0	497·4	492·7	493·3	500·7	506·9	523·4	518·1
499·4	512·4	504·1	509·6	514·4	504·6	495·3	490·5	493·3	502·3	507·4	523·2	518·1
497·4	511·0	505·5	508·9	516·9	506·4	497·8	488·7	490·1	503·4	507·2	524·3	520·5
°	°	°	°	°	°	°	°	°	°	°	°	°
71·5	71·5	71·0	71·0	71·0	70·0	70·0	70·0	70·5	71·0	71·4	71·5	71·7*

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

34·9	35·9	45·9	44·0	43·1	46·3	52·5	52·4	51·5	53·7	56·3	56·8	60·0
35·4	39·4	46·2	44·0	42·4	46·3	52·5	52·4	52·0	54·7	56·4	57·3	60·0
36·4	39·9	45·9	43·3	43·6	46·7	51·9	50·9	52·0	54·7	56·4	58·4	59·9
36·4	42·6	45·0	44·6	44·2	48·1	51·0	50·1	52·0	54·7	56·4	58·4	59·9
36·3	43 6	45·0	44·6	44·8	48·1	51·7	51·4	52·7	54·7	56·9	59·3	59·7
36·1	44·2	45·9	40·4	44·0	48·1	51·7	51·4	53·2	54·7	56·9	59·3	59·7
37·1	45·2	44·1	41·5	44·1	50·0	51·7	51·4	53·2	55·6	56·7	60·5	60·6
40·0	45·2	44·1	40·6	44·1	50·6	52·0	52·4	53·2	55·9	56·3	60·5	60·8
40·1	46·2	44·1	43·0	44·1	51·5	52·0	52·4	53·2	55·6	57·2	60·4	60·6
37·9	46·2	44·1	43·0	44·1	49·5	52·0	51·7	54·2	55·6	56·8	60·0	60·6
36·6	46·1	44·1	43·0	45·6	49·2	50·9	51·7	53·7	55·6	56·8	60·0	60·6
35·4	46·1	44·1	43·0	45·8	51·5	51·5	51·2	53·7	56·3	56·8	60·0	61·6
°	°	°	°	°	°	°	°	°	°	°	°	°
72·0	72·2	72·2	71·8	70.9	70·0	70·0	70·2	70·4	70·6	70·8	71·0	71·2*

* At 25h 10h Thermometer of H. F. 72°·0; of V. F. 71°·4.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Weather.
		Dry.	Wet.	Direction.	Force.	
D. H. M	In.	°	°			
24 22 0	29·541	61·7	60·9	—	Calm.	Densely clouded; raining moderately and heavily since last observation.
23 0	29·554	60·6	59·8	—	Calm.	Overcast; cir.-cum. and haze; raining heavily and constant.
25 0 0	29·560	60·0	59·2	E.	Very light.	Clouds passing rapidly to W.; ceased raining.
1 0	29·562	60·2	59·2	N. E. by E.	Very light.	Dense cir.-cum. and haze passing rapidly from E.
2 0	29·572	62·0	60·6	N. E. by E.	Light.	Clouded; cir.-cum. and cum.-strat. passing rapidly.
3 0	29·569	63·6	61·6	N. E. by E.	Light.	Clouded; cir.-cum. and cum.-strat. passing rapidly.
4 0	29·579	65·4	60·6	N. E. by E.	Light.	Clouded with cir.-cum., cir.-strat., and haze; a few clear spaces.
5 0	29·578	66·9	62·3	E. N. E.	Light.	Clouded with cir.-cum., cir.-strat., and haze; a few clear spaces; clearing.
6 0	29·596	68·7	61·8	E. N. E.	Light.	Clouded with cir.-cum., cir.-strat., and haze; a few clear spaces.
7 0	29·600	71·6	64·0	E.	Light.	Clouded; cum.-strat., cir.-cum., and cir.-strat.; fair.
8 0	29·604	68·7	62·1	E.	Light.	Clouded; cum.-strat., cir.-cum., and cir.-strat.; fair.
9 0	29·601	69·2	62·8	—	Calm.	Clouded; cir.-cum. and cir.-strat.; fair.

August 30th and 31st. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0′·721. DECLINATION.										
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	116·6	117·0	117·8	122·4	124·0	117·4	118·8	125·0	128·2	118·8	116·5
5	0	117·0	117·7	117·2	129·4	124·4	118·0	118·0	124·8	127·3	117·3	115·8
10	0	117·2	117·1	117·8	138·5	125·0	119·3	117 5	125·0	123·3	116·7	115·0
15	0	117·1	116·8	117·6	155·8	126·1	120·3	118·2	125·6	122·0	116·6	114·8
20	0	117·1	116·4	117·3	169·3	127·9	121·6	118·0	126·2	125·3	116·5	115·0
25	0	117·2	116·9	117·8	168·4	125·0	122·6	118·8	126·3	130·8	116·3	115·6
30	0	118·0	117 0	117·9	156·0	122·0	121·5	112·0	127·8	130·8	116·9	116·8
35	0	118·0	117·1	118·3	142·7	118·9	121·1	120·9	130·0	128·4	116·3	117·1
40	0	118·1	117·6	118·2	131·6	115·7	121·0	122·4	129·1	125·3	116·2	116·4
45	0	116·8	118·0	117·6	128·4	113·9	120·3	121·7	127·8	123·0	116·8	116·7
50	0	116·9	117·9	118·2	126·4	115·7	120·2	123·7	125·5	121·7	117·3	117·4
55	0	116·8	117·4	119·7	122·0	117·7	119·8	125·3	127·0	119·0	116·6	117·7

		One Scale Division = ·000087 parts of the H. F. HORIZONTAL FORCE.										
M.	S.											
2	0	536·8	521·8	520·9	508·8	518·3	524·2	524·9	521·8	530·3	521·0	515·6
7	0	531·9	521·2	519·3	504·4	518·9	524·3	524·0	522·0	530·0	520·9	516·5
12	0	531·6	524·4	521·9	503·1	518·3	523·6	523·4	521·0	524·6	519·4	520·7
17	0	533·0	520·6	521·2	506·7	514·9	523·0	524·1	519·0	516·2	518·5	517·2
22	0	533·7	520·6	519·7	523·6	516·7	521·5	523·8	519·0	515·0	517·3	519·4
27	0	534·5	519·7	521·5	533·1	517·6	520·9	523·1	517·8	521·8	514·7	517·8
32	0	539·4	523·5	526·2	539·4	520·0	520·1	520·0	519·0	526·5	513·1	517·3
37	0	539·4	527·8	526·6	539·7	521·0	519·7	519·1	521·9	527·4	513·9	518·7
42	0	533·9	529·9	526·7	534·4	521·2	519·2	521·7	526·7	526·3	515·5	520·0
47	0	529·4	529·7	523·5	531·3	521·1	520·0	521·0	533·6	525·8	514·8	522·3
52	0	526·6	527·6	520·8	529·9	521·9	522·3	522·0	534·6	523·9	515·9	522·6
57	0	521·7	525·2	516·9	523·0	524·7	523·9	522·0	533·0	521·5	415·0	527·2
Thermometer		65°·8	66°·2	66°·4	66°·4	66°·6	66°·7	66°·6	66°·4	66°·4	66°·4	66°·4

		One Scale Division = ·000062 parts of the V. F. VERTICAL FORCE.										
M.	S.											
3	0	68·8	67·1	68·1	65·2	57·1	61·7	61·7	57·0	41·7	54·0	56·8
8	0	67·7	67·1	68·1	65·6	57·9	61·7	61·7	57·0	41·7	54·7	56·8
13	0	68·2	67·1	68·4	65·6	57·7	60·1	60·9	57·0	41·8	54·7	56·8
18	0	68·0	66·5	68·4	66·1	57·7	60·1	60·9	57·0	43·3	54·7	9·3
23	0	68·0	66·5	68·2	63·8	59·4	60·1	60·9	57·9	45·4	54·7	59·3
28	0	69·4	66·5	68·2	59·7	59·4	60·1	60 9	56·9	47·8	54·5	58·6
33	0	70·5	67·8	68·2	55·9	61·3	60·3	59·5	56·1	48·5	54·5	57·8
38	0	70·2	67·8	68·2	56·7	61·3	60·9	60·0	54·6	48·5	55·9	57·8
43	0	70·2	68·9	67·6	56·7	61·3	60·9	60·0	50·1	49·2	55·9	59·3
48	0	78·5	68·8	66·4	57·1	61·7	60 9	58·7	48·7	49·2	56·8	59·8
53	0	78·0	68·8	65·6	57·1	61·7	60·9	57·8	45·8	49·8	56·8	59·8
58	0	77·1	68·8	65·6	57·1	61·7	60·9	57·6	43·8	51·9	56·8	62·6
Thermometer		65°·3	65°·6	65°·6	66°·8	67°·6	67°·6	67°·4	67°·0	66°·8	66°·8	66°·7

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
30	10	0	29·561	66·3	64·1	E by S.	Very light.	Generally overcast; cir.-cum., cir.-strat., and haze; clear spaces.
	11	0	29·559	64·6	64·6	—	Calm.	Densely clouded; cum.-strat. and cir.-cum.
	12	0	29·553	64·6	63 6	—	Calm.	Densely clouded; raining moderately; commenced at 11h 30m. T
	13	0	29·560	63·3	62·4	—	Calm.	Densely overcast; cir.-cum. and cum.-strat. [M. T.
	14	0	29·572	62·8	61·8	—	Calm.	Densely overcast; cir.-cum. and cum.-strat.
	15	0	29·564	63·2	61·2	—	Calm.	Densely overcast; cir.-cum. and cum.-strat.
	16	0	29·562	61·8	60·7	—	Calm.	Densely clouded; cir.-cum. and haze.
	17	0	29·566	61·8	61·0	S. E.	Very light.	Densely clouded; cir-cum. and haze; commenced to rain.
	18	0	29·566	62·2	61·4	—	Calm.	Overcast; dense cir.-cum., slight rain continuing since 17 hours.
	19	0	29·566	61·2	60·8	—	Calm.	Clouded; cir.-cum. and haze; ceased raining at 19h 30m.
	20	0	29·568	62·2	61·2	—	Calm.	Clouded with light cir.-strat. and haze; very light drizzling rain.
	21	0	29·570	61·8	61·1	—	Calm.	Densely overcast; with cir.-strat. and haze.

MAGNETICAL OBSERVATIONS. August 30th and 31st.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
115·5	115·6	112·8	121·5	120·4	118·7	120·3	116·8	111·3	110·5	110·6	112·2	114·7
115·1	115·1	115·0	122·3	119·3	119·8	120·1	114·9	112·1	110·4	111·8	111·0	115·3
115·6	116·7	117·1	122·8	118·8	121·0	119·8	113·9	112·2	110·3	112 0	110·9	115·4
116·3	114·7	117·8	122·0	118·8	120·8	119·8	114·7	113·1	110·3	111·4	110·3	115·9
117·3	114·0	119·2	121·6	119·1	120·4	119·8	115·4	113·4	110·5	111·5	110·0	116·0
119·2	112·1	121·2	122·0	119·3	120·1	119·3	115·3	112·8	111·0	112·1	110·0	116·0
120·4	111·2	122·4	—	119·2	119·5	117·9	114·1	112·3	111·0	112·7	110·1	115·6
119·6	110·7	124·6	121·8	119·2	120·3	117·2	111·7	112·6	110·4	112·8	111·0	116·0
117·8	110·4	124·1	121·7	120·1	119·8	117·3	111·0	112·3	110·3	112·2	112·0	116·0
117·0	110·3	122·7	121·5	120·4	118·8	118·5	110·7	111·0	110·2	112·3	113·1	116·2
116·2	110·3	124·2	122·0	119·6	119·6	118·0	111·7	110·1	110·5	112·4	113·5	116·3
115·5	111·7	124·8	121·4	119·1	119·9	117·5	112·0	110·3	110·8	112·0	114·0	116·3

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

524·6	514·8	519·9	521·1	509·4	513·6	514·3	506·1	512·5	521·3	525·0	520·6	534·5
520·8	511·2	523·7	521·5	507·6	510·5	516·4	507·3	514·8	522·5	528·6	519·7	533·7
527·0	509·5	527·0	521·3	508·4	510·7	516·4	507·3	514·9	522·5	529·4	519·1	530·5
528·7	508·7	527·4	518·1	508·4	513·3	515·2	508·8	514·4	522·2	528·0	519·4	532·2
517·5	512·7	527·5	514·4	508·3	514·2	512·3	507·3	514·2	523·8	530·0	520·3	531·0
516·6	511·3	527·7	514·5	511·1	515·9	510·0	507·8	514·6	524·8	532·1	523·0	532·8
519·2	509·5	528·0	515·0	510·7	516·2	508·7	507·8	515·6	525·5	533·8	527·0	536·3
519·1	510·1	529·7	514·3	510·4	516·4	507·5	510·3	516·5	525·3	524·9	528·8	533·9
520·2	513·8	528·6	511·5	511·6	515·0	509·7	511·2	519·5	525·6	532·0	533·2	532·3
521·7	513·7	523·9	511·4	513·3	513·2	510·2	509·8	522·0	525·9	530·4	533·7	532·9
519·7	515·6	524·8	511·8	512·4	513·2	509·4	508·3	519·7	526·0	526·6	536·3	531·7
518·6	517·9	526.0	510·5	513·0	514·0	509·3	512·6	520·2	526·1	524·6	536·1	531·9
°	°	°	°	°	°	°	°	°	°	°	°	°
66·4	66·4	66·5	66·5	66·0	66·2	66·8	67·2	67·6	68·2	68·6	69·0	69·4[a]

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

60·8	55·1	54·3	59·4	61·0	60·2	58·9	59·3	59·7	61·7	61·2	61·9	62·3
59·5	55·1	55·3	59·4	60·6	60·2	58·9	59·3	59·7	61·9	61·5	61·9	62·3
57·8	55·7	55·3	50·0	60·6	60·2	58·9	60·3	60·7	61·0	61·5	61·9	62·3
57·8	58·3	56·3	59·7	60·6	60·9	58·9	60·3	60·7	60·7	61·8	61·4	62·1
57·2	59·6	57·2	59·7	60·4	60·0	58·9	59·9	60·7	61·3	61·9	61·4	62·4
57·2	58·9	57·2	59·7	60·7	60·0	58·9	60·9	60·7	61·3	62·5	61·7	62·4
57·2	58·9	57·9	60·5	60·5	59·6	59·7	60·9	60·7	61·8	62·5	61·7	62·4
58·9	56·6	58·6	60·9	60·5	58·6	59·7	60·7	60·7	61·8	62·9	61·7	61·4
58·9	56·1	58·6	60·9	60·7	60·0	59·5	60·7	62·3	61·6	62·9	62·3	61·4
58·9	55·1	58·5	61·6	60·8	58·9	59·5	59·7	62·3	61·6	62·6	62·3	61·4
57·9	55·1	59·1	61·6	60·3	58·9	59·5	59·7	61·7	61·2	62·6	62·3	61·4
57·1	55·1	59·1	61·6	60·2	58·9	59·3	59·7	61·7	61·2	61·9	62·3	61·4
°	°	°	°	°	°	°	°	°	°	°	°	°
66·6	66·6	66·8	66·2	66·2	66.3	66·6	67·0	67·6	68·2	68·4	68·5	68·7[a]

[a] At 31d 10h Thermometer of H. F. 69°·8; of V. F. 69°·4.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
D.	H.	M.	In.	Dry.	Wet.	Direction.	Force.	
				°	°			
30	22	0	29·576	61·8	61·2	—	Calm.	Densely clouded; cir.-cum. and haze.
	23	0	29·581	61·6	61·0	—	Calm.	Densely clouded; cir.-cum. and haze.
31	0	0	29·592	61·6	61·0	—	Calm.	Clouded; strat. and cir.-cum.
	1	0	29·616	63·4	62·2	—	Calm.	Overcast; cir. and cir.-strat., detached strat.; fair.
	2	0	29·614	64·6	63·0	—	Calm.	Generally overcast; cir. and cir.-cum.; fair.
	3	0	29·618	65·8	63·0	—	Calm.	Clouded; cir.-cum. and cir.-strat. dispersed; fair.
	4	0	29·622	70·2	66·9	S. by E.	Very light.	Densely overcast; cir.-cum. and cum.-strat.; fair.
	5	0	29·629	69·2	66·8	S. by E.	Very light.	Densely overcast; cir.-cum. and cum.-strat. and haze.
	6	0	29·629	70·2	66·4	—	Calm.	Overcast with cir.-cum. and cum.-strat.; a few clear spaces.
	7	0	29·627	71·6	67·4	S.	Very light.	Generally overcast with light cir.-cum.; clear spaces; fair.
	8	0	29·627	71·8	67·2	S.	Very light.	Generally overcast with light detached cir.-cum.; clear spaces.
	9	0	29·614	73·0	66·9	S. by E.	Very light.	Generally overcast with light detached cir.-cum.; clear spaces.

September 18th and 19th. MAGNETICAL OBSERVATIONS.

Mean Göttingen Time.		Angular Value of one Scale Division = 0′·721. DECLINATION.										
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	115·6	116·8	117·2	118·6	119·4	120·0	120·0	117·0	117·5	118·9	119·5
5	0	116·0	117·0	117·2	118·0	118·6	119·2	119·8	117·1	118·0	118·3	120·0
10	0	115·9	117·2	116·9	117·5	119·0	119·1	119·3	117·9	118·2	118·0	119·7
15	0	116·1	117·4	117·3	117·0	119·5	119·2	119·1	118·2	117·8	118·0	119·6
20	0	116·2	117·6	117·4	117·0	121·0	120·1	118·5	119·0	118·0	119·3	119·3
25	0	116·4	117·8	117·5	117·0	120·3	121·0	119·5	117·5	117·9	120·3	119·3
30	0	116·5	117·7	117·0	117·0	120·8	120·0	119·8	117·7	117·1	120·7	119·7
35	0	116·5	117·5	118·3	117·1	119·8	120·4	119·0	116·0	117·4	120·9	120·0
40	0	116·6	117·5	118·7	118·2	119·9	120·7	118·7	114·6	117·8	120·3	120·0
45	0	116·6	117·6	118·2	118·8	121·0	121·0	118·2	113·8	118·6	119·8	120·7
50	0	116·7	117·4	118·0	119·0	120·5	120·7	117·9	114·3	118·9	119·1	120·8
55	0	116·7	117·4	117·5	120·2	120·8	120·2	117·5	116·1	119·3	119·2	120·9
		One Scale Division = ·000087 parts of the H. F. HORIZONTAL FORCE.										
M.	S.											
2	0	524·8	529·3	528·4	526·5	520·0	520·0	524·0	533·0	529·5	528·0	528·1
7	0	525·8	528·3	528·5	526·8	518·5	517·7	521·0	532·7	528·9	528·2	527·1
12	0	528·7	525·7	527·9	526·4	520·0	516·8	522·1	532·8	528·7	528·3	527·4
17	0	528·8	525·6	528·0	526·7	521·8	516·5	521·4	531·4	528·8	526·5	527·5
22	0	529·4	526·0	527·8	528·0	521·0	516·3	520·8	530·3	528·8	526·0	527·8
27	0	531·1	528·1	528·6	528·0	520·6	517·8	520·9	529·8	527·9	526·7	528·0
32	0	530·7	528·9	526·2	527·7	522·0	517·0	522·9	528·9	527·6	527·0	528·3
37	0	530·9	529·1	526·2	526·5	521·6	517·5	523·1	532·4	528·2	527·0	528·1
42	0	529·5	529·6	526·0	523·4	521·0	518·8	522·5	533·5	528·1	527·8	528·3
47	0	530·1	530·2	526·4	520·7	522·0	522·0	522·9	532·3	529·4	527·7	528·9
52	0	530·3	528·8	525·4	522·5	522·0	523·5	523·1	530·8	528·9	526·9	529·0
57	0	529·5	528·2	525·6	521·0	521·0	524·0	523·3	530·2	528·8	526·9	529·3
Thermometer		72°·4	72°·8	72°·8	72°·8	72°·2	71°·9	71°·5	71°·3	70°·8	70°·4	70°·0
		One Scale Division = ·000062 part of the V. F. VERTICAL FORCE.										
M.	S.											
3	0	51·3	49·8	49·5	46·9	47·5	48·0	46·5	48·5	44·8	49·2	51·3
8	0	51·3	49·8	49·5	46·9	47·5	48·0	46·5	48·5	44·8	50·6	50·2
13	0	51·3	49·8	49·3	47·6	47·5	48·0	46·1	48·5	44·9	50·1	50·2
18	0	51·4	49·8	49·5	47·6	47·5	48·0	46·2	48·2	45·8	50·1	50·2
23	0	51·4	49·7	49·5	47·6	47·5	48·2	46·2	48·2	45·8	50·1	50·2
28	0	50·7	50·1	49·0	47·6	47·9	48·7	46·2	48·2	49·0	50·1	50·2
33	0	50·7	50·1	47·3	47·6	47·8	48·7	48·0	47·9	49·0	50·1	50·0
38	0	50·7	50·2	47·3	47·6	47·8	47·9	48·1	47·4	49·8	50·1	50·0
43	0	50·3	50·2	46·9	46·3	47·8	47·7	48·1	46·1	49·8	50·8	50·0
48	0	50·3	49·7	46·9	46·7	48·1	47·7	48·1	45·5	49·2	51·1	50·0
53	0	50·3	49·5	46·9	46·7	48·1	47·7	48·5	44·8	49·2	51·1	50·0
58	0	50·3	49·5	46·9	46·7	48·1	46·5	48·5	44·6	49·2	51·1	50·0
Thermometer		71°·4	71°·5	71°·8	72°·5	72°·5	72°·1	72°·5	72°·9	72°·1	71°·3	70°·5

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
18	10	0	29·631	71·1	62·4	S. S. W.	Very light.	Clear and unclouded.
	11	0	29·619	71·2	64·4	—	Calm.	Unclouded; haze round horizon.
	12	0	29·614	62·0	58·4	—	Calm.	Unclouded haze round horizon.
	13	0	29·620	58·2	55·8	—	Calm.	Haze round horizon; otherwise clear.
	14	0	29·620	56·2	54·0	—	Calm.	Unclouded; hazy.
	15	0	29·617	58·2	55·0	—	Calm.	Clear and unclouded.
	16	0	29·619	55·8	53·0	—	Calm.	Unclouded; hazy.
	17	0	29·622	53·5	51·6	—	Calm.	Unclouded; haze round horizon.
	18	0	29·618	51·9	50·4	—	Calm.	Unclouded; haze round horizon.
	19	0	29·616	50·2	49·3	—	Calm.	Clear and unclouded.
	20	0	29·619	48·2	47·2	—	Calm.	Clear and unclouded.
	21	0	29·620	47·6	46·8	—	Calm.	Clear and unclouded.

MAGNETICAL OBSERVATIONS. September 18th and 19th.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
121·0	121·7	121·7	117·0	119·8	121·1	120·0	119·8	118·0	115·2	112·5	112·0	113·8
120·6	121·3	121·2	118·3	120·1	121·2	122·0	119·2	118·0	114·5	112·6	112·0	114·0
120·8	121·1	122·0	116·0	120·4	121·1	121·9	118·8	118·0	114·3	112·8	112·1	114·1
121·6	121·0	120·9	116·1	120·8	121·5	122·0	119·0	117·3	114·1	112·8	112·2	114·1
121·7	120·4	119·8	116·8	120·3	121·2	121·7	119·0	116·9	114·1	112·4	112·2	114·3
122·9	120·3	119·0	117·2	120·2	121·0	121·9	118 8	116·5	114·1	112·8	112·4	114·6
123·5	120·8	118·4	117·0	120·2	121·3	121·2	118·3	116·1	113·7	112·3	112·5	114·8
123·2	121·7	118·0	116·5	119·9	122·0	121·8	118·4	116·2	113·3	112·0	112·5	114·9
122·7	122·0	117·8	117·3	120·5	121·8	121·2	118·0	116·1	113·2	112·0	112·6	115·0
122·0	122·4	117·5	117·9	120·3	121·5	120·7	118·0	115·5	113·0	112·1	112·9	115·1
121·9	122·4	117·0	118·9	120·4	121·5	120·0	117·9	115·3	112·9	112·2	113·0	115·4
121·8	122·0	117·0	119·8	120·7	121·3	120·0	118·0	115·0	112·7	112·2	113·0	115·5

Horizontal Force. Change in the Magnetic moment of the Bar for 1 Fah^{t}. = ·00027.

529·9	531·6	531·0	525·7	528·8	523·2	520·3	518·3	520·5	524·4	530·3	535·3	522·8
530·0	532·1	529·6	525·9	527·8	522·6	520·4	518·7	520·5	526·1	529·0	533·5	521·7
529·9	532·2	528·3	526·4	527·8	520·0	514·6	517·5	521·4	526·0	528·8	532·9	526·3
530·0	532·4	527·8	527·1	527·2	519·4	521·0	518·0	522·3	526·0	531·0	532·3	526·5
530·0	532·4	529·0	527·8	527·8	518·5	521·0	517·8	522·2	526·7	530·9	532·4	528·9
529·9	531·7	528·2	529·6	528·1	518·8	520·7	518·0	523·0	527·0	531·2	533·3	528·8
529·1	532·1	525·9	529·6	527·6	519·5	520·4	518·5	522·1	528·7	532·0	530·8	529·0
529·0	531·4	524·8	529·5	527·0	520·7	520·4	518·9	522·6	527 9	530·4	525·0	529·3
530·7	531·3	525·6	528·3	526·4	521·6	520·4	519·5	523·8	528·0	528·1	520·6	530·0
530·6	530·7	526·2	527·7	526·0	520·6	519·6	519·5	524·6	528·5	527·9	518·1	530·9
530·8	531·0	525·4	529·2	523·8	520·6	518·8	519·5	525·2	529·5	531·4	519·9	530·6
530·8	531·2	524·9	530·0	524·3	520·8	518·5	520·0	524·6	530·0	534·5	518·5	529·9
°	°	°	°	°	°	°	°	°	°	°	°	°
69·2	69·0	68 0	67·5	67·3	67 6	68·0	68·5	69 0	69·5	70·2	71·0	71·8*

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

50·9	51·3	53 0	52·9	51·6	51·5	52·2	51·3	50 7	50·7	51·5	52·9	50·9
50·9	51·1	53·0	52·0	51·6	51·2	52·2	51·2	50·7	50·7	51·5	52·6	50·9
50·8	51·3	52·3	51·9	52·1	51·2	52·2	51·2	50·7	50·7	51·5	52·4	50·9
50·8	52·5	52·3	51·9	52·4	51·2	51·6	51·2	50·7	50·7	52·5	52·3	50 9
50·8	52·5	52·3	51·9	52·7	51·2	51·6	51·2	50·7	50·4	52·5	52·3	51·4
50·8	52·2	52·3	51·8	52·7	51·8	51·6	51·2	50·7	50·4	52·5	52·3	51·4
50·6	52·0	52·3	51·8	52·7	52·6	51·6	51·2	50·7	50·6	52·5	51·9	51·4
50·6	52·0	52·3	51·6	52·5	52·2	51·6	51·2	50·7	50·6	51·9	51·0	51·0
52·3	52·0	52·3	51·6	52·5	53·0	51·6	51·2	50·7	50·6	51·8	50·3	51·0
52·3	52·0	52·3	51·6	53·0	52·4	51·6	50·7	50·7	50·9	51·7	50·3	51·1
52·1	52·0	52·3	51·6	52·5	52·4	51·8	50·6	50·7	50·9	52·1	50·3	51·1
52·1	53·0	53·7	51·6	51·9	52·4	51·6	50·6	50·7	51·5	52·9	50·7	50·8
°	°	°	°	°	°	°	°	°	°	°	°	°
70·1	69·4	69·0	68·3	67·9	68·0	68·1	68·3	68·9	69·5	69·5	70·0	70·7*

* At 19^{h} 10^{m} Thermometer of H. F. 72°·8; of V. F. 71°·3.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction	Force.	
D.	H.	M.	In.	°	°			
18	22	0	29·625	47·0	46·2	—	Calm.	Clear and unclouded.
	23	0	29·628	46·6	45·8	—	Calm.	Unclouded; slight fog.
19	0	0	29·630	45·2	44 6	N.	Very light.	Unclouded, but hazy; very dense round horizon.
	1	6	29·635	49·2	48·6	—	Calm.	Unclouded, but hazy; dense in horizon.
	2	0	29·646	57·8	51·8	—	Calm.	Unclouded, but hazy.
	3	0	29·637	61·4	58·0	—	Calm.	Unclouded, but hazy.
	4	0	29·619	63·6	61·2	S. S. W.	Light.	Unclouded; hazy.
	5	0	29·609	69·0	64·2	S. S. W.	Light.	Unclouded; hazy.
	6	0	29·598	71·6	65·8	S. S. W.	Light.	Unclouded; hazy. [horizon.
	7	0	29·569	75·1	68·4	S. by W.	Moderate.	Generally clear; light cir.-cum. rising in W. and N. W.; haze round
	8	0	29·546	77·2	69·2	S. by W.	Moderate.	Light cir.-cum. and haze round horizon, light haze in zenith; fair.
	9	0	29·544	76·7	70·4	S. by W.	Moderate.	Cir.-cum. in N.W. horizon, haze round horizon; light haze in zenith; fair.

October 23rd and 24th. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0′·721. DECLINATION.										
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	116·0	116·8	122·2	122·7	122·9	118·2	118·8	120·2	117·0	109·3	116·2
5	0	116·2	116·8	124·8	120·8	123·5	118·9	118·1	119·9	115·0	109·7	116·9
10	0	116·8	116·1	127·1	119·6	121·6	119·0	118·2	119·7	114·3	110·0	117·2
15	0	116·7	116·2	128·7	119·3	121·4	118·3	117·9	119·6	115·0	110·0	117·2
20	0	116·2	117·0	125·6	119·1	122·0	118·1	119·5	119·0	115·5	111·1	118·0
25	0	116·2	116·9	125·7	120·3	121·5	118·5	120·0	118·1	116·0	112·7	118·2
30	0	116·0	116·4	124·0	119·7	121·6	118·8	119·0	117·1	113·2	113·0	118·0
35	0	116·0	116·4	125·6	119·8	120·0	119·0	119·2	117·2	111·0	114·1	118·0
40	0	115·5	116·3	128·0	119·7	118·2	118·5	119·9	117·8	110·9	115·0	118·8
45	0	115·2	117·0	126·6	119·3	118·0	118·0	120·2	118·2	112·1	115·2	119·5
50	0	115·8	117·8	126·0	120·0	118·0	118·4	120·3	117·8	113·1	115·7	119·9
55	0	116·0	121·4	123·7	121·9	118·0	118·8	120·4	118·0	111·3	115·8	119·3

		One Scale Division = ·000087 parts of the H. F. HORIZONTAL FORCE.									
M.	S.										
2	0	550·9	551·0	546·0	550·9	545·0	541·8	548·0	547·2	550·6	549·3	554·5
7	0	550·4	549·8	546·0	550·7	546·7	541·3	547·2	546·9	551·4	549·5	554·0
12	0	552·5	547·7	547·6	548·7	546·8	543·7	546·7	547·0	551·3	550·7	554·5
17	0	552·0	545·6	555·5	546·3	547·2	544·0	545·9	548·5	551·3	551·6	554·5
22	0	552·3	547·1	554·1	546·3	547·9	543·9	545·3	548·6	551·7	552·4	554·1
27	0	552·0	546·5	553·0	549·1	548·2	544·8	547·7	549·1	551·3	552·4	555·0
32	0	552·0	546·0	550·1	542·2	546·8	546·0	548·9	549·1	551·4	552·7	555·5
37	0	553·0	546·5	546·4	541·9	546·1	546·9	548·1	548·3	550·7	553·9	556·0
42	0	552·5	546·8	549·0	542·1	543·8	546·8	548·0	549·0	550·9	554·0	555·4
47	0	552·0	547·0	547·9	542·1	544·1	546·9	548·1	551·9	548·9	554·2	555·0
52	0	552·0	544·8	550·3	543·1	542·2	545·5	547·8	552·2	548·8	554·8	555·0
57	0	550·3	546.4	550·6	544·2	542·1	546·0	547·6	551·3	550·8	554·7	555·0
Thermometer		° 55·3	56·0	56·4	56·5	56·3	56·1	56·2	56·5	56·5	56·0	55·0

		One Scale Division = ·000062 parts of the V. F. VERTICAL FORCE.									
M.	S.										
3	0	84·5	84·4	84·2	83·1	83·2	82·7	81·7	80·3	80·0	78·9	80·1
8	0	84·5	84·4	84·2	82·7	83·1	82·9	81·5	80 3	80·0	78·7	80·1
13	0	85·6	84·4	84·2	83·0	82·9	82·9	81·5	80·3	79·6	78·7	80·7
18	0	85·6	84·8	83·8	82·7	82·2	83·0	81·5	81·1	79·6	78·7	80·7
23	0	85·6	84·8	82·8	82·4	82·2	83·0	81·5	81·1	79·6	78·7	80·7
28	0	85·6	84·6	82·8	82·1	82·2	83·0	81·6	80·6	79·6	78·7	80·7
33	0	85·6	84·6	82·3	82·1	82·2	83·0	80·7	80·6	76·6	78·4	80·7
38	0	85·6	84·6	81·7	82·1	82·1	82·6	80·7	80·6	79·6	78·4	81·0
43	0	85·1	84·6	81·7	83·2	82·1	82·5	80·7	80·6	79·6	78·4	81·0
48	0	85·1	84·2	81·9	83·2	82·1	82·3	80·7	80·5	79·6	79·4	81·0
53	0	85·1	84·2	82·2	83·2	82·1	82·3	80·3	80·5	78·9	79·4	79·8
58	0	84·4	84·2	82·2	83·2	82·7	81·7	80·3	80·0	78·9	79·4	79·8
Thermometer		° 54·5	54·9	55·3	56·0	56·1	59·0	56·2	56·3	56·4	56·1	55·6

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
23	10	0	29·896	51·8	48·4	—	Calm.	Light cir. in W. and N., remainder clear; 0·2 clouded.
	11	0	29 905	48·2	45·4	—	Calm.	Clear.
	12	0	29·895	44·0	42·6	—	Calm.	Clear.
	13	0	29·897	45·2	43·2	—	Calm.	Clear.
	14	0	29·887	47·4	45·5	—	Calm.	Clear.
	15	0	29·871	46·8	45·3	—	Calm.	Clear.
	16	0	29·867	44·2	43·2	—	Calm.	Clear.
	17	0	29·864	41·4	41·0	—	Calm.	Clear.
	18	0	29·870	38·2	37·8	—	Calm.	Clear; slight fog on the ground.
	19	0	29·869	37·3	37·0	—	Calm.	Clear.
	20	0	29·885	35·8	35·2	—	Calm.	Unclouded; hazy.
	21	0	29·887	36·0	35·8	—	Calm.	Light cir. and cir.-strat. in N.N.W. and W.; hazy.

MAGNETICAL OBSERVATIONS. October 23th and 24th.

Declination. Angular Value of one Scale Division = 0'·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
119·5	117·7	118·1	118·8	120·2	118·5	115·8	115 0	111·8	110·2	112·1	114·6	117·0
119·8	117·8	118·6	119·3	119·5	118·5	115·6	114·1	111·7	110·2	112·1	114·8	117·0
119·7	117·5	118·6	120·0	119·0	118·0	115·5	113·8	111·2	110·3	112·5	115·0	117·2
119·7	117·5	118·8	120·1	118·4	117·1	115·2	113·2	111·2	110·7	112·8	115·1	117·3
119·0	117·5	118·8	120·4	117·7	117·3	115·2	113·1	111·1	110·7	113·0	115·2	117·4
118·8	117·8	118·4	120·1	117·8	117·5	115·9	113·0	111·0	110·9	113·2	115·5	117·5
118·2	117·4	118·5	120·1	118·0	117·4	115·8	113·0	110·7	111·0	113·5	115·8	117·6
118·3	117·7	119·0	120·5	118·0	117·7	115·7	112·8	110·3	111·2	113·5	116·0	117·8
118·4	117·7	119·0	121·0	118·1	117·5	115·5	112·3	110·2	111·2	113·9	116·1	117·8
117·7	117·9	118·9	120·7	117·8	117·9	115·5	112·4	110·8	111·7	114·0	116·4	118·0
117·2	118·0	118·6	120·4	118·4	117·2	115·2	112·0	110·0	111·8	114·2	116·7	118·0
117·7	118·1	119·0	120·3	118·2	116·3	115·1	112·0	110·1	111·9	114·4	116·9	118·1

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00027.

555·0	554·7	550·0	556·0	552·3	545·8	544·6	544·8	544·8	544·2	545·7	549·8	551·3
555·4	555·0	555·8	556·0	549·8	545·6	544·4	545·9	545·3	544·2	546·5	549·4	551·8
555·3	555·1	556·0	556·1	550·1	546·1	544·5	545·9	545·2	544·2	547·1	549·7	551·8
555·2	555·6	556·2	557·0	550·0	544·5	544·8	544·5	543·9	543·9	547·9	550·5	552·4
554·8	555·1	556·5	557·0	549·5	544·8	544·9	544·5	545·0	543·6	547·9	550·5	552·7
554·8	555·5	556·6	556·0	549·2	544·8	545·1	544·9	545·7	543·9	548·0	550·9	553·0
554·5	555·8	556·0	556·0	548·9	544·6	545·9	545·4	545·	541·0	547·9	551·0	552·7
555·0	555·9	556·0	555·0	548·1	544·0	545·6	545·5	545·8	544·5	548·6	550·8	552·2
554·5	555·5	556·3	554·9	547·1	543·5	545·5	545·4	546·0	544·0	549·0	550·7	552·2
555·0	555·8	556·1	554·0	547·1	543·8	544·7	545·3	545·0	544·9	549·0	551·0	552·1
554·7	556·0	556·0	554·0	547·1	542·7	545·5	545·6	544·6	545·5	549·0	551·1	552·6
554·9	557·0	557·0	553·5	546·2	543·4	544·3	544·3	544 1	545·6	548·5	551·6	552·5
°	°	°	°	°	°	°	°	°	°	°	°	°
54·6	54·6	54·3	54·0	54·0	54·2	55·2	56·0	56·8	57 0	57·5	58·0	58·6*

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

80·8	80·4	80 2	81·6	83·7	83·5	81·3	79·5	78·4	79·2	79·8	79·1	78·2
80·8	80·4	80·2	81·6	83·4	83·0	81·3	79·5	78·4	79·9	79·8	79·1	78·2
80·8	80·2	80·2	81·6	83·4	83·0	80·6	79·5	78·4	79·9	79·8	78·9	77·9
80·8	80·2	80·5	81·6	83·4	83·0	80·7	79·3	78·4	79·8	79·8	79·1	77·9
80·8	80·2	80·5	81·6	83·4	83·0	80·5	79·3	78·4	80·0	79·7	79·1	77·9
80·8	80·1	80·6	81·6	83·4	83·0	80·5	78·9	78·7	80·0	79·4	78·9	78·1
80·8	80·1	80·6	81·6	83·4	83·0	80·5	78·9	78·1	80·0	79·4	78·9	77·9
80·5	80·1	80·6	82·7	83·4	81·9	80·1	78·9	79·2	80·0	79·2	78·4	77·9
80·5	80·1	81·0	83·3	83·3	82·1	79·5	78·7	79·2	80·0	79·2	78·2	77·9
80·8	80·1	81·4	83·3	83·5	82·1	79·5	78·4	79·2	80·2	79·4	78·2	78·2
80·8	80·1	81·4	83·7	83·2	81·8	79·5	78·4	79·2	80·0	79·4	78·2	77·9
80·8	80·2	81·6	83·7	83·5	81·8	79·5	78·4	79·2	79·8	79·1	78·2	77·9
°	°	°	°	°	°	°	°	°	°	°	°	°
55·5	55·5	55·6	55·1	54·3	55·1	55·3	56·1	56·3	56·5	57·0	57·7	58·3*

* At 24h 10h the Thermometer of H. F. 59°·0; of V. F. 58°·3.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
23	22	0	29·892	35·6	35·4	—	Calm.	Light cir. in W.; remainder clear.
	23	0	29·894	36·4	36·0	—	Calm.	Clear.
24	0	0	29·895	36·4	36·0	—	Calm.	Hazy round horizon; light cir. in W.
	1	0	29·899	38·0	37·8	—	Calm.	Light cir. and haze round horizon; zenith clear; fair.
	2	0	29·901	44·0	43·7	—	Calm.	Light flexuous cir. and cir.-strat. scattered about; generally clear; fair.
	3	0	29 900	47·2	46·0	E.	Very light.	Generally clear; light cir.-strat. generally diffused; fair.
	4	0	29·891	49·8	47·6	E.	Very light.	A few light cir.-strat dispersed round horizon, otherwise clear; fair.
	5	0	29·886	51·4	48·6	E.	Very light.	A few light cir.-strat, dispersed round horizon, otherwise clear; fair.
	6	0	29·878	53·9	50·2	E.	Very light.	A few light cir. strat. dispersed round horizon, otherwise clear; fair.
	7	0	29·853	55·6	51·8	E.	Very light.	Clear.
	8	0	29·844	55·9	51·3	E.	Very light.	Clear.
	9	0	29·830	55·5	50·8	E. by N.	Light.	Clear.

November 29th and 30th. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0'·721. DECLINATION.										
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	114·5	117·1	117·7	118·0	119·0	118·8	119·0	118·0	118·0	117·0	117·6
5	0	115·0	117·2	117·7	118·0	118·9	119·2	118·6	118·0	117·8	117·0	117·4
10	0	115·6	117·1	117·6	118·2	119·4	119·6	118·4	118·2	117·5	117·0	117·8
15	0	115·2	117·0	117·5	118·2	119·8	119·3	118·4	118·1	117·6	117·4	117·8
20	0	115·3	117·0	117·7	118·4	119·6	119·2	118·2	118·1	117·5	117·6	117·9
25	0	115·3	117·0	118·1	118·2	119·5	119·0	118·2	118·2	117·2	117·4	117·8
30	0	116·2	117·0	117·7	118·2	119·4	118·9	118·2	118·3	117·1	117·8	117·6
35	0	116·1	117·4	117·8	118·1	119·1	118·7	118·5	118·5	117·2	117·6	117·6
40	0	116·2	117·4	117·9	118·2	119·2	118·3	118·4	118·3	117·3	117·2	117·6
45	0	116·3	117·7	117·9	118·5	119·0	118·3	118·2	118·3	117·2	117·4	117·6
50	0	116·5	117·9	117·9	118·8	119·0	119·1	118·0	118·3	117·3	117·6	117·4
55	0	116·5	117·8	117·8	118·6	118·8	119·1	118·0	118·1	117·3	117·8	117·8
		One Scale Division = ·000087 parts of the H. F. HORIZONTAL FORCE.										
M.	S.											
2	0	578·6	578·6	580·3	577·5	574·8	575·6	576·1	575·0	574·0	575·0	574·4
7	0	577·4	579·0	579·3	577·5	574·5	575·4	576·3	575·0	574·0	575 2	574·4
12	0	579·5	578·7	579·0	577·6	572·9	575·0	575·9	575·0	574·5	575·1	575·0
17	0	578·0	578·6	579·6	577·0	573·2	575·5	575·6	575·0	575·0	575·0	574·6
22	0	577·8	578·6	579·9	577·8	573·6	575·6	575·6	575·0	575·0	575·0	574·6
27	0	576·3	579·6	578·6	577·0	573·6	575·7	575·0	574·9	575·0	574·7	574·6
32	0	577·9	579·4	580·3	576·5	574·3	576·2	575·0	574·4	574·5	575·0	574·3
37	0	578·1	579·7	578·9	576·0	574·4	576·6	575·0	574·0	574·5	574·4	575·0
42	0	578·6	579·3	580·2	575·6	574·8	576·0	575·0	574·0	574·0	574·0	575·4
47	0	578·2	580·0	578·6	575·0	575·3	576·1	575·0	574·0	574·0	573·6	575·2
52	0	577·9	581·3	578·2	574·6	576·0	575·8	575·0	574·0	573·0	573·9	575·5
57	0	577·7	580·3	577·6	575·2	575·8	575·7	575·0	574·0	574·4	574·6	574·0
Thermometer		44·6	44·5	44·8	45·0	45·2	45·5	46·0	46·5	47·0	47·0	47·0
		One Scale Division = ·000062 parts of the V. F. VERTICAL FORCE.										
M.	S.											
3	0	102·3	99·6	97·3	95·9	95·8	95·8	94·0	92·3	91·3	91·5	91·2
8	0	102·3	99·2	96·5	95·9	95·8	96·1	94·0	91·8	91·3	91·5	91·2
13	0	101·5	98·9	96·5	95·7	95·8	95·9	94·0	91·8	91·3	91·5	91·2
18	0	101·5	98·9	96·5	95·7	95·8	95·1	93·4	91·8	91·3	91·5	91·2
23	0	101·5	98·3	96·5	95·9	95·8	95·1	93·0	91·8	91·3	91·5	91·2
28	0	101·5	98·5	96·5	95·9	95·9	94·9	93·0	91·8	91·3	91·5	91·2
33	0	101·5	98·2	95·9	95·9	95·9	94·9	92·7	91·8	91·3	91·5	91·1
38	0	101·5	97·9	95·9	95·9	96·1	94·9	92·7	91·9	91·6	91·5	91·0
43	0	101·5	98·1	95·9	96·0	96·8	94·7	92·7	91·9	91·6	91·5	91·0
48	0	100·5	97·7	95·8	96·0	96·0	94·7	92·7	91·9	90·5	91·5	91·0
53	0	99·6	97·3	95·8	96·0	95·8	94·0	92·3	91·9	90·5	91·5	90·8
58	0	99·6	97·3	95·8	95·8	95·8	94·0	92·3	91·3	91·0	91·5	90·9
Thermometer		44·2	44·6	45·6	46·1	46·6	46·6	47·4	47·7	48·2	48·4	48·2

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	in.	°	°			
29	10	0	29·756	32·2	30·8	S. E.	Very light.	Densely clouded; cum.-strat. and cir.-cum.
	[illegible]	0	29·770	32·1	30·5	S. E.	Very light.	Densely clouded; cum.-strat., cir.-cum., and haze.
	[illegible]	0	29·763	32·0	30·5	S. E.	Very light.	Densely overcast.
	13	0	29·768	32·0	30·4	S. E.	Very light.	Densely overcast; cir.-cum. and haze.
	14	0	29·758	32·5	31·0	S. E.	Very light.	Densely overcast; cir.-cum. and haze.
	15	0	29·761	31·6	30·2	—	Calm.	Densely overcast; cir.-cum. and haze.
	16	0	29·746	31·4	30·0	—	Calm.	Overcast; cir.-cum. and haze.
	17	0	29·732	32·2	31·2	—	Calm.	Overcast; cir.-cum. and haze.
	18	0	29·719	33·6	32·4	—	Calm.	Overcast; cir.-cum. and haze.
	19	0	29·693	34·2	32·6	S. E. by S.	Light.	Overcast; cir.-cum. and haze.
	20	0	29·689	33·4	32·4	S. S. E.	Very light.	Thickly overcast.
	21	0	29·678	33·4	32·5	S. E. by S.	Very light.	Thickly overcast.

MAGNETICAL OBSERVATIONS. November 29th and 30th.

DECLINATION. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
117·8	118·0	118·2	117·9	118·5	119·8	119·7	120·0	118·1	115·3	114·2	114·4	114·2
117·6	118·2	118·0	118·3	118·8	120·4	120·1	120·0	118·0	115·0	114·2	114·8	114·2
117·6	117·4	118·3	118·4	119·0	120·3	120·6	119·8	117·4	115·0	114·2	114·8	114·1
117·5	117·8	118·0	118·2	119·0	119·8	120·5	119·8	117·1	115·0	114·0	115·0	114·2
118·0	117·6	117·9	118·3	119·1	120·0	120·2	119·4	116·7	115·0	114·0	115·1	114·1
118·0	117·6	117·9	118·7	119·2	119·7	120·0	119·6	116·3	114·9	113·8	115·2	114·3
117·5	117·6	118·2	118·6	119·0	119·8	119·9	120·3	116·7	114·9	114·0	114·3	114·2
117·6	118·3	118·2	118·4	119·1	119·8	120·1	119·1	116·8	114·5	114·3	114·7	114·2
117·6	118·3	118·0	118·4	119·5	119·5	120·4	119·0	116·1	114·5	114·8	114·5	114·8
117·5	118·9	118·3	118·2	119·7	119·6	120·4	118·7	115·7	114·4	114·5	114·5	114·9
117·4	118·0	118·2	118·1	120·1	119·5	120·1	118·2	115·6	114·3	114·5	114·2	115·0
117·8	118·2	118·7	118·3	120·0	119·6	120·0	119·2	115·6	114·2	114·5	114·2	115·1

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00027.

574·6	575·0	574·7	572·9	573·2	571·3	568·4	565·0	561·5	560·8	562·1	565·1	571·0
574·6	574·5	574·7	574·8	573·7	570·7	568·2	564·5	562·3	560·7	562·2	565·5	571·2
574·6	575·0	575·2	575·8	573 0	571·6	568·1	564·7	562·0	560·6	562·6	565·0	571·5
574·4	574·9	574·7	573·8	573·4	571·4	568·3	565·2	560·6	561·1	563·5	564·8	573·3
573·7	575·4	574·2	574·4	573·3	570·5	567·4	564·6	560·0	560·7	563·8	564·7	572·2
574·0	575·0	574·8	575·3	572·9	570·7	567·0	562·9	558·8	561·0	563·3	569·4	572·8
573·8	573·8	573·8	575·1	572·9	570·4	566·4	564·0	559·2	561·1	562·8	568·3	572·3
574·0	574·4	573·7	575·1	572·2	570·4	565·8	563·7	560·5	561·8	562·7	568·8	572·7
573·7	573·9	574·0	574·5	572·4	570·6	565·6	563·6	560·3	561·3	563·3	569·1	572·8
574·6	574·4	573·9	574·9	571·9	569·8	565·7	562·4	560·9	562·0	563·8	569·4	573·4
574·4	573·9	573·2	574·0	571·8	569·1	565·2	560·8	559·6	562·2	563·8	570·0	573·9
575·0	573·6	574·8	573·9	571·9	568·6	564·3	562·0	560·2	561·9	564·5	570·3	574·0
°	°	°	°	°	°	°	°	°	°	°	°	°
47·5	47·4	48·5	48·6	48·2	47·5	47·5	47·7	48·2	48·2	48·4	48·6	49·0*

VERTICAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

91·2	90·0	89·8	88·1	90·0	90·1	93·3	92·8	92·4	92·7	93·5	94·3	94·2
91·2	90·0	89·5	88·5	89·7	90·1	93·3	92·8	92·4	92·7	93·5	94·3	93·9
91·1	89·7	89·3	88·4	89·7	91·9	93·3	92·8	92·7	92·9	93·7	94·1	93·9
91·1	89·7	89·1	88·2	90·2	91·9	93·3	93·4	92·7	92·9	93·7	94·1	93·9
90·4	89·7	89·0	88·2	90·1	91·9	93·3	93·4	92·7	92·9	94·0	94·1	93·9
90·4	90·0	88·7	88·2	90·1	92·8	93·3	93·4	92·7	92·9	94·0	94·1	93·9
90·4	90·1	88·6	88·5	90·1	92·8	93·3	92·9	92·4	92·9	94·0	94·0	93·9
90·4	90·1	87·4	88·5	90·1	93·3	93·1	92·9	92·4	93·2	94·0	94·0	93·9
90·5	90·1	87·6	88·5	90·1	93·3	93·1	92·5	92·7	93·2	94·0	94·0	93·9
90·6	90·0	87·1	89·3	90·1	93·3	93·3	92·5	92·7	93·5	94·0	94·2	93·7
90·5	90·0	87·1	89·3	90·1	93·3	93·3	92·5	92·7	93·5	94·0	94·2	93·7
90·0	90·0	88·1	89·3	90·1	93·3	92·8	92·5	92·7	93·5	94·0	94·2	93·7
°	°	°	°	°	°	°	°	°	°	°	°	°
48·6	48·4	49·4	49·8	49·4	48·8	48·1	48·1	48·5	48·6	48·5	48·6	49·1*

* At 30^{d} 10^{h} Thermometer of H. F. 49°·0; of V. F. 49°·2.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers. Dry.	Thermometers. Wet.	Wind. Direction.	Wind. Force.	Weather.
D. H. M.	in.	°	°			
29 22 0	29·672	33·4	32·4	S.	Very light.	Thickly overcast.
23 0	29·669	33·6	32·7	S.	Very light.	Overcast with dense haze.
30 0 0	29·671	33·6	32·8	S.	Very light.	Overcast with dense haze.
1 0	29·679	34·0	33·2	S.	Very light.	Densely overcast; light cir.-strat. and haze.
2 0	29·683	34·6	34·2	—	Calm.	Slight spitting rain.
3 0	29·677	35·4	35·2	—	Calm.	Densely overcast, spitting rain.
4 0	29·679	36 8	36·4	—	Calm.	Densely overcast, a few drops of rain.
5 0	29·671	37·7	37·0	—	Calm.	Overcast, drizzling rain.
6 0	29·671	37·6	36·8	S.	Very light.	Overcast dense haze, thick mist.
7 0	29·641	37·3	36·4	S.	Very light.	Overcast with dense cir. and haze.
8 0	29·626	37·5	36·9	S.	Very light.	Overcast with dense cir. and haze.
9 0	29·613	37·0	36·4	—	Calm.	Overcast with dense haze; Scotch mist.

December 18th and 19th. **MAGNETICAL OBSERVATIONS.**

DECLINATION.

Angular Value of one Scale Division = 0′·721.

Mean Göttingen Time.	10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M. S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0 0	116·8	116·9	117·1	118·0	119·5	119·7	119·0	118·6	119·8	117·4	116·0
5 0	116·9	117·1	117·9	118·0	119·0	119·8	119·0	119·2	119·4	117·0	116·4
10 0	117·0	117·2	118·0	118·1	118·9	119·8	119·0	119·8	119·3	117·0	116·5
15 0	117·0	117·0	118·3	118·4	118·8	120·0	119·0	120·0	119·5	117·2	117·0
20 0	117·0	117·9	118·5	118·8	119·0	119·5	119 0	120·8	119·2	117·0	118·0
25 0	117·6	117·4	118·0	118·2	118·8	119·6	119·0	121·4	119·0	117·0	118·8
30 0	117·3	117·1	117·2	119·0	118·9	119·5	119·0	121·4	118·8	117·2	119·0
35 0	116·8	118·0	117·0	118·3	119·1	119·0	119·0	121·2	118·4	115·4	120·4
40 0	116·8	117·6	117·2	118·6	119·7	119·0	119·0	120·4	118·4	111·4	121·9
45 0	116·5	117·0	117·0	118·2	119·0	119·0	119·0	120·0	118·0	111·5	122·3
50 0	116·8	117·0	118·0	118·2	119·9	119·0	118·6	120·0	118·0	112·3	121·8
55 0	116·2	117·0	118·0	119·1	120·0	118·8	118·2	121·0	117·6	114·3	120·8

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F.

M. S.											
2 0	594·7	594·0	586·5	589·0	593·4	587·6	587·5	584·0	585·8	583·6	590·2
7 0	594·9	594·0	584·4	588 8	592·9	587·7	587·3	583·6	586·0	585·8	591·2
12 0	595·5	594·0	584·1	589·3	592·0	587·9	587·0	584·0	585·0	585·0	589·4
17 0	595·9	593·6	583·5	589·5	591·5	587·8	585·5	585·4	585·0	584·7	589·4
22 0	595·7	593·6	584·0	590·2	590·4	537·9	586·0	584·4	585·4	584·7	589·2
27 0	596·8	593·0	585·1	589·7	589·3	587·4	585·2	583·8	586·0	585·1	589·9
32 0	597·8	593·1	586·3	590·4	588·2	587·0	585·0	584·3	586·0	585·6	589·8
37 0	596·3	592·8	586·8	591·0	587·1	587·0	585·3	583·0	586·6	587·4	587·9
42 0	595·5	591·5	587·0	592·0	587·9	586·9	585·4	582·8	587·0	589·8	587·2
47 0	595·5	590·5	587·0	592·7	588·3	586·9	584·0	583·8	584·8	590·9	586·3
52 0	595·5	589·7	587·5	594·0	589·2	587·2	583·8	584·7	583·6	590·6	586·2
57 0	595·1	588·1	588·4	592·9	588·7	587·3	584·0	584·6	583·0	590·1	583·1
Thermometer	37°0	37°5	39°0	39°2	40°0	40°7	41°5	40°8	41°0	40°8	40°8

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F.

M. S.											
3 0	110·4	108·2	105·0	104·2	104·1	102·4	102·4	100·6	100·1	100·5	98·3
8 0	110·6	108·2	105·0	104·2	103·8	102·4	101·9	100·6	100·1	100·9	98·3
13 0	110·6	107·0	105·0	104·8	103·8	102·4	101·9	100·5	100·2	100·5	96·2
18 0	109·1	106·4	105·0	104·8	102·9	102·4	101·9	99·7	100·2	100·5	98·2
23 0	109·1	106·4	105·0	104·8	102·9	102·2	101·9	99·7	100·2	100·9	97·5
28 0	109·1	106·0	105·0	104·8	102·9	102·2	102·0	99·7	100·2	100·9	97·2
33 0	109·1	106·0	105 0	104·8	102·7	102·2	101·9	99·2	100·7	100·9	96·0
38 0	109·1	106·0	105·0	105·0	102·7	102·2	102·2	99·2	100·7	101·2	94·8
43 0	109·1	106·0	105·0	105·0	103·1	102·2	102·1	99·2	100·7	100·3	94·1
48 0	108·8	106·0	104·2	105·0	103·1	102·0	102·1	99·2	100·7	99·9	94·1
53 0	108·2	106·0	104·2	104·7	102·9	102·2	102·1	100·1	100·5	98·9	93·4
58 0	108·2	106·0	104·2	104·3	102·4	102·4	102·2	100·1	100·5	98·9	93·2
Thermometer	36°9	38°7	39°6	39°8	40°4	41°4	41°6	41°6	41°8	41°9	41°5

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
18	10	0	29·510	24·6	23·3	W. S. W.	Very light.	Densely overcast; cum.-strat., cir.-cum., and haze.
	11	0	29·503	24·0	23·0	—	Calm.	Clouded with cir.-cum. and haze.
	12	0	29·510	24·6	21·4	—	Calm.	Overcast with dense haze.
	13	0	29·535	23·2	21·0	—	Calm.	Overcast with dense haze.
	14	0	29·540	23·2	21·0	—	Calm.	Overcast; cir.-cum. and haze.
	15	0	29·540	22·8	21·0	—	Calm.	Overcast; cir.-cum. and haze.
	16	0	29·543	22·2	20·4	—	Calm.	Cir.-cum. and cir.-strat. dispersed round the horizon.
	17	0	29·547	20·4	19·4	—	Calm.	Overcast with mottled cir.-cum. in uniformity.
	18	0	29·545	19·0	18·4	—	Calm.	Mottled cir.-cum. to westward, near horizon; remainder uncloud.
	19	0	29·538	17·0	16·4	—	Calm.	Clouded with cir.-cum. and haze.
	20	0	29·556	18·7	17·9	—	Calm.	Overcast with cir.-strat. and haze.
	21	0	29·556	19·2	18·7	—	Calm.	Overcast with cir.-strat. and haze.

MAGNETICAL OBSERVATIONS. December 18th and 19th.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
120·6	132·8	125·0	118·2	115·8	118·2	119·5	114·7	113·0	112·2	114·3	114·5	114·8
119·3	132·6	123·9	117·0	115·3	118·2	119·9	113·0	113·0	113·1	112·6	114·9	115·0
118·5	132·5	122·9	116·8	116·8	118·7	118·6	112·9	112·4	113·6	112·7	115·4	115·0
118·6	132·0	121·4	116·1	117·5	119·3	119·2	114·1	112·0	113·6	113·4	115·8	115·5
119·8	129·8	121·3	116·0	116·8	118·1	125·3	114·4	113·8	113·5	113·7	115·5	115·6
121·2	127·3	122·1	115·8	117·3	119·3	122·9	114·5	112·6	114·0	113·9	115·8	115·5
123·7	126·4	121·9	115·8	117·7	119·3	120·5	114·5	113·0	113·2	113·1	115·5	115·6
127·5	125·9	121·8	115·8	118·3	119·9	118·1	113·5	112·8	112·9	113·5	115·5	116·7
129·5	125·8	121·8	115·9	118·4	120·7	116·8	116·2	112·2	113·0	113·9	115·6	116·2
130·4	125 0	121·1	115·9	117·3	118·8	116·0	115·0	112·2	113·1	114·2	115·7	113·8
132·3	125·0	120·0	116·1	118·1	119·1	116·1	113·6	112·4	113·0	114·1	115·2	112·3
132·8	124·3	119·3	115·0	118·2	119·0	115·2	113·5	112·3	113·2	114·0	115·1	112·9

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fah. = ·00027.

583·7	578·9	584·9	585·9	590·4	589·0	586·9	574·5	571·6	572·3	583·5	580·8	580 5
582·8	579·6	585·2	586·8	589·3	588·1	586·9	573·4	571·0	572·5	581·7	581·6	581·0
584·5	578·9	585·9	587·1	588·2	588·9	586·9	574·0	570·5	574·0	581·8	581·9	579·2
585·1	579·2	583·8	587·7	591·4	588·1	577·4	575·0	571·0	574·4	581·2	581·5	579·5
585·2	580·2	584 5	587·1	589·1	588·5	583·0	575·8	570·4	573·9	581·4	580·7	580·8
581·2	580·4	585·7	587·3	590·8	590·6	583·9	577·5	570·7	574·3	581·4	580·8	581·5
579·6	580·4	584·8	587·9	590·4	587·8	582·3	578·1	566·6	579·7	582·6	581·0	582·0
578·3	580·9	584·4	587·7	590·9	588·1	581·0	575·4	570·4	580·2	582·0	582·5	587·1
578·9	581·9	584·4	588·0	591·0	589·0	581·5	577·0	568·2	581·5	581·4	583·0	587·2
578·6	582·0	586·3	587·6	587·3	587·6	580·1	576·8	567·0	580·0	582·3	582·0	583·5
578·9	583·3	585·9	590·1	588·6	587·8	578·7	574·1	569·8	579·6	582·9	582·5	581·2
579·6	582·9	586·6	588·6	588·8	587·4	575·5	573·0	570·7	578·7	580·4	583·5	583·1
°	°	°	°	°	°	°	°	°	°	°	°	°
41·0	41·2	41·0	41·2	41·6	41·8	41·3	41·0	41·0	40·8	41·8	41·8	41·6*

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fah. = ·00007.

93·2	90·9	94·4	98·6	98·2	97·0	98·6	100·6	102·3	102·7	104·5	103·5	104·0
92·1	92·9	94·2	98·6	98·2	97·0	98·6	100·6	102·3	102·7	103·9	103·5	104·0
92·1	92·7	94·2	98·6	97·9	97·0	98·6	100·6	102·3	102·8	103·9	103·5	104·0
92·1	92·9	94·2	98·8	97·9	97·0	98·3	100·6	102·1	102·9	103·9	103·5	103·5
90·5	92·9	94·2	99·0	97·9	96·3	99·4	100·6	102·1	102·6	103·9	103·7	103·5
90·3	94·6	94·4	99·0	97·4	96·3	99·4	100·8	102·1	103·5	103·9	103·7	103·5
88·6	94·6	94·4	98·6	97·4	97·3	99·2	101·6	102·1	103·5	103·9	103·7	104·5
88·0	94·6	94·4	98·6	97·4	97·3	99·2	101·4	102·2	103·5	103·9	103·7	105·7
89·2	94·6	94·4	98·8	97·1	97·7	99·2	101·7	102·6	104·4	103·9	103·7	105·7
89·9	94·6	96·4	98·8	97·1	97·7	100·6	101·7	102·4	103·7	103·7	104·0	105·7
89·9	94·4	96·4	98·2	97·1	97·7	100·6	101·7	102·8	103·6	103·7	104·0	105·7
90·9	94·4	96·4	98·2	97·0	97·7	100·6	101·7	102·7	103·6	103·5	104·0	105·7
°	°	°	°	°	°	°	°	°	°	°	°	°
49·1	42·4	42·7	42·6	42·8	42·8	41·6	41·6	41·6	41·0	41·6	41·7	41·6*

* At 19h 10m Thermometer of H. F. 41°·5; of V. F. 41°·6.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Weather.
		Dry.	Wet.	Direction.	Force.	
D. H. M.	In.	°	°			
18 22 0	29·541	19·3	17 8	—	Calm.	Overcast with cir.-strat. and haze.
23 0	29·532	19·8	19·0	—	Calm.	Overcast with dense haze.
19 0 0	29·538	20·4	19·6	—	Calm.	Overcast with dense haze.
1 0	29·571	21·0	20·2	—	Calm.	Overcast with dense haze.
2 0	29·583	21·4	21·0	—	Calm.	Densely overcast; snowing.
3 0	29·594	24·3	21·5	—	Calm.	Densely overcast; snowing slightly.
4 0	29·605	23·4	22·6	—	Calm.	Overcast; constant slight snow.
5 0	29·605	24·2	23·6	W.	Very light.	Thickly overcast; constant slight snow.
6 0	29·579	23·6	22·8	W.	Very light.	Overcast; moderate snow.
7 0	29·578	23·6	22·7	—	Calm.	Densely overcast; snowing constantly and moderately.
8 0	29·580	23·0	22·0	—	Calm.	Densely overcast; snowing constantly and moderately.
9 0	29·595	22·2	21·2	S. W.	Very light.	Densely overcast; snowing slightly.

TORONTO, 1844.

METEOROLOGICAL OBSERVATIONS.

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

Hours of Mean Göttingen Time.		0	1	2	3	4	5	6	7	8	9	10	11
Hours of Mean Toronto Time.		18	19	20	21	22	23	0	1	2	3	4	5
JANUARY.	1	2·886	2·904	2·952	2·980	2·980	2·955	2·937	2·916	2·900	2·914	2·899	2·890
	2	2·758	2·756	2·748	2·734	2·704	2·670	2·612	2·542	2·538	2·525	2·493	2·457
	3	2·191	2·185	2·173	2·193	2·185	2·175	2·161	2·149	2·151	2·157	2·168	2·179
	4	2·229	2·283	2·327	2·366	2·399	2·409	2·421	2·441	2·469	2·507	2·549	2·578
	5	2·834	2·855	2·892	2·910	2·924	2·935	2·906	2·902	2·902	2·907	2·901	2·911
	6	2·873	2·872	2·892	2·898	2·892	2·872	2 834	2·807	2·793	2·779	2·759	2·743
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	2·806	2·840	2·852	2·864	2·868	2·858	2·841	2·825	2·844	2·844	2·846	2·847
	9	2·675	2·637	2·631	2·588	2·561	2·509	2·457	2·396	2·373	2·339	2·304	2·280
	10	2·440	2·474	2·544	2·558	2·568	2·578	2·592	2·631	2·663	2·706	2·731	2·769
	11	3·091	3·110	3·120	3·134	3·120	3·098	3·092	3·063	3·058	3·039	3·027	2·987
	12	2·665	2·564	2·564	2·508	2·472	2 446	2·371	2·336	2·297	2·269	2·245	2·233
	13	1·682	1·726	1·773	1·846	1 974	2·082	2·189	2·260	2·355	2·435	2·485	2·528
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	2·751	2·759	2·787	2·780	2·757	2·721	2·687	2·670	2·652	2·620	2·612	2·600
	16	2·269	2·247	2·257	2·243	2·227	2·194	2·147	2·124	2·092	2·087	2·067	2·066
	17	1·921	1·911	1·907	1·883	1·869	1·848	1·825	1·779	1·793	1·813	1·839	1·861
	18	2·186	2·232	2·288	2·322	2·360	2·382	2·396	2·419	2·447	2·489	2·521	2·553
	19	2·884	2·896	2·911	2·911	2·941	2·931	2·915	2·903	2·895	2·902	2·914	2·925
	20	3·101	3·122	3·138	3·172	3·188	3·173	3·151	3·125	3·107	3·106	3·092	3·082
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	2·815	2·826	2·837	2·849	2·857	2·856	2·825	2·811	2·774	2·747	2·717	2·696
	23	2·012	2·011	2·005	2·008	2·007	2·015	2·030	2·059	2·082	2·134	2·161	2·176
	24	2·314	2·326	2·334	2·351	2·371	2·381	2·391	2·395	2·433	2·458	2·480	2·522
	25	2·628	2·637	2·653	2·662	2·660	2·650	2·634	2·645	2·614	2·622	2·636	2·656
	26	2·677	2·697	2·729	2·745	2·755	2·765	2·752	2·742	2·742	2·749	2·763	2·785
	27	2·922	2·935	2·949	2·963	2·962	2·959	2·937	2·921	2·900	2·891	2·884	2·880
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	3·054	3·054	3·072	3·085	3·079	3·066	3·027	2·996	2·964	2·929	2·904	2·862
	30	2·483	2·469	2·463	2·453	2·444	2·437	2·422	2·416	2·414	2·441	2·474	2·524
	31	2·963	2·985	3·021	3·036	3·056	3·055	3·031	3·015	3·013	3·012	3·007	3·019
Hourly Means		2·5944	2·6042	2·6229	2·6312	2·6363	2·6304	2·6142	2·6021	2·6024	2·6082	2·6102	2·6161
FEBRUARY.	1	2·915	2·906	2·926	2·898	2·880	2·845	2·815	2·766	2·707	2·697	2·677	2·646
	2	2·722	2·748	2·780	2·808	2·836	2·841	2·857	2·854	2·851	2·862	2·883	2·897
	3	3·045	3·059	3·083	3·100	3·079	3·082	3·054	3·039	3·021	3·012	3·006	3·001
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	2·378	2·384	2·398	2·399	2·409	2·422	2·407	2·409	2·406	2·405	2·418	2·422
	6	2·406	2·425	2·425	2·411	2·419	2·427	2·412	2·414	2·414	2·433	2·453	2·456
	7	2·495	2·519	2·543	2·543	2·541	2·528	2·512	2·490	2·480	2·462	2·446	2·445
	8	2·442	2·467	2·486	2·500	2·504	2 504	2·492	2·481	2·477	2·480	2·482	2·504
	9	2·604	2·630	2·657	2·683	2·701	2·706	2·694	2·696	2·684	2·686	2·691	2·695
	10	2·673	2·679	2·703	2·705	2·699	2·698	2·686	2·678	2·677	2·687	2·708	2·732
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	2·795	2·817	2·813	2·855	2·884	2·881	2·876	2·869	2·857	2·855	2·853	2·834
	13	2·560	2·548	2·532	2 498	2·478	2·467	2·443	2·441	2·447	2·480	2·512	2·548
	14	2·879	2·908	2·929	2·946	2·966	2·979	2·963	2·955	2·925	2·928	2·924	2·920
	15	2·693	2·687	2·657	2·609	2·597	2·576	2·539	2·493	2·460	2·451	2·434	2·422
	16	2·459	2·467	2·487	2·495	2·503	2·501	2·466	2·448	2·438	2·428	2·426	2·437
	17	2·544	2·558	2·589	2·617	2·635	2·649	2·645	2·632	2·636	2·650	2·692	2·720
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	2·751	2·775	2·790	2·796	2·808	2·799	2·782	2·756	2·721	2·700	2·695	2·688
	20	2·551	2·555	2·568	2·561	2·542	2·533	2·504	2·485	2·468	2·462	2·466	2·483
	21	2·541	2·571	2·585	2·593	2·611	2·592	2·578	2·570	2·568	2·562	2·540	2·537
	22	2·519	2·535	2·561	2·575	2·582	2·567	2·564	2·550	2·532	2·521	2·519	2·524
	23	2·369	2·360	2·365	2·346	2·310	2·284	2·280	2·262	2·268	2·293	2·337	2·371
	24	2·745	2·784	2·810	2·834	2·838	2·865	2·864	2·841	2·841	2·845	2·854	2·868
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	2·854	2·854	2·844	2·851	2·827	2·808	2·794	2·751	2·722	2·711	2·693	2·653
	27	2·661	2·696	2·749	2·786	2·801	2·821	2·839	2·857	2·865	2·895	2·899	2·920
	28	3·051	3 065	3·077	3·075	3·072	3·074	3·055	3·035	3·031	3·038	3·008	2·982
	29	2·702	2·692	2·680	2·680	2·678	2·659	2·659	2·634	2·623	2·625	2·611	2·625
Hourly Means		2·6538	2·6676	2·6827	2·6866	2·6880	2·6843	2·6712	2·6562	2·6448	2·6467	2·6491	2·6525

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
2·914	2·899	2·890	2·898	2·916	2·933	2·913	2·888	2·878	2·866	2·862	2·856	2·844	2·804	2·776	2·8978
2·525	2·493	2·487	2·483	2·440	2·430	2·405	2·377	2·353	2·327	2·311	2·294	2·276	2·240	2·199	2·4863
2·157	2·166	2·179	2·179	2·181	2·175	2·169	2·162	2·172	2·166	2·158	2·166	2·170	2·184	2·186	2·1722
2·507	2·549	2·579	2·595	2·626	2·656	2·686	2·711	2·713	2·725	2·733	2·761	2·779	2·796	2·796	2·5648
2·907	2·901	2·918	2·921	2·925	2·912	2·897	2·897	2·893	2·885	2·886	2·898	2·892	2·879	2·873	2·8975
2·779	2·759	2·749	2·739	2·725	2·700	2·660	2·633	2·601	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	2·622	2·671	2·703	2·745	2·768	2·778	2·7650
2·841	2·846	2·847	2·852	2·856	2·845	2·841	2·838	2·822	2·820	2·805	2·799	2·787	2·759	2·717	2·8282
2·339	2·304	2·290	2·274	2·267	2·243	2·255	2·270	2·288	2·281	2·301	2·340	2·372	2·388	2·396	2·3927
2·706	2·731	2·769	2·809	2·840	2·893	2·901	2·911	2·929	2·948	2·980	3·025	3·055	3·052	3·057	2·7772
3·039	3·027	2·994	2·989	2·965	2·944	2·922	2·870	2·826	2·792	2·759	2·729	2·708	2·683	2·633	2·9483
2·209	2·245	2·231	2·207	2·162	2·095	2·025	1·914	1·816	1·770	1·701	1·649	1·614	1·622	1·642	2·1279
2·435	2·485	2·526	2·576	2·604	2·654	2·680	2·684	2·714	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	2·795	2·793	2·793	2·789	2·783	2·751	2·4145
2·620	2·612	2·600	2·582	2·552	2·528	2·510	2·500	2·480	2·435	2·407	2·390	2·356	2·306	2·296	2·5724
2·087	2·067	2·066	2·045	2·027	2·029	2·030	2·038	2·038	2·026	2·013	2·017	2·005	1·977	1·957	2·0926
1·813	1·839	1·861	1·904	1·934	1·950	1·968	1·983	1·996	2·039	2·055	2·102	2·138	2·160	2·178	1·9140
2·489	2·521	2·553	2·628	2·654	2·693	2·722	2·742	2·771	2·805	2·841	2·861	2·863	2·882	2·861	2·5807
2·902	2·914	2·926	2·936	2·952	2·980	2·994	3·009	3·011	3·025	3·042	3·052	3·070	3·068	3·073	2·9642
3·106	3·092	3·082	3·076	3·072	3·045	3·019	3·011	2·991	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	2·738	2·770	2·802	2·804	2·804	2·816	3·0215
2·747	2·717	2·696	2·666	2·614	2·549	2·501	2·439	2·371	2·302	2·209	2·163	2·120	2·071	2·038	2·5689
2·134	2·161	2·176	2·117	2·195	2·211	2·225	2·241	2·268	2·280	2·296	2·319	2·321	2·326	2·314	2·1614
2·458	2·480	2·522	2·552	2·577	2·581	2·596	2·612	2·611	2·614	2·615	2·637	2·638	2·635	2·636	2·5050
2·622	2·636	2·656	2·670	2·671	2·664	2·659	2·655	2·642	2·640	2·619	2·619	2·639	2·663	2·655	2·6443
2·749	2·763	2·785	2·804	2·820	2·835	2·855	2·861	2·874	2·861	2·871	2·889	2·909	2·916	2·924	2·8050
2·891	2·884	2·880	2·880	2·878	2·862	2·857	2·840	2·828	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	3·003	3·020	3·027	3·033	3·045	2·9294
2·929	2·904	2·862	2·842	2·810	2·775	2·781	2·718	2·682	2·652	2·630	2·600	2·572	2·530	2·499	2·8401
2·441	2·474	2·524	2·587	2·606	2·656	2·711	2·755	2·778	2·824	2·848	2·901	2·920	2·927	2·943	2·6207
3·012	3·007	3·019	3·020	3·034	3·034	3·024	3·014	3·008	3·015	2·998	2·987	2·977	2·967	2·935	3·0094
2·6082	2·6102	2·6161	2·6256	2·6260	2·6249	2·6217	2·6138	2·6079	2·5847	2·5991	2·6064	2·6070	2·6008	2·5916	2·6118
2·697	2·677	2·646	2·604	2·568	2·511	2·551	2·550	2·590	2·610	2·616	2·632	2·654	2·670	2·692	2·7052
2·862	2·883	2·897	2·936	2·943	2·948	2·966	2·975	3·001	3·005	3·013	3·029	3·031	3·033	3·033	2·9105
3·012	3·006	3·004	2·996	2·997	2·990	2·988	2·981	2·973	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	2·407	2·405	2·393	2·382	2·368	2·375	2·8679
2·405	2·418	2·422	2·452	2·466	2·474	2·474	2·475	2·475	2·474	2·464	2·462	2·466	2·449	2·412	2·4333
2·433	2·453	2·456	2·468	2·472	2·484	2·498	2·493	2·505	2·511	2·504	2·505	2·520	2·516	2·506	2·4615
2·462	2·436	2·445	2·449	2·443	2·435	2·428	2·419	2·422	2·417	2·417	2·417	2·419	2·425	2·429	2·4635
2·480	2·482	2·504	2·508	2·526	2·533	2·525	2·521	2·521	2·517	2·527	2·538	2·551	2·564	2·592	2·5101
2·686	2·691	2·695	2·707	2·719	2·720	2·718	2·711	2·711	2·707	2·692	2·684	2·683	2·686	2·673	2·6891
2·687	2·708	2·732	2·761	2·788	2·791	2·797	2·812	2·814	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	2·709	2·717	2·738	2·740	2·753	2·759	2·7293
2·855	2·853	2·834	2·841	2·835	2·817	2·815	2·792	2·778	2·758	2·744	2·704	2·670	2·636	2·591	2·8000
2·480	2·512	2·548	2·576	2·610	2·642	2·646	2·674	2·706	2·733	2·760	2·777	2·803	2·823	2·851	2·6065
2·928	2·924	2·920	2·916	2·912	2·919	2·905	2·874	2·865	2·846	2·832	2·801	2·779	2·755	2·719	2·8894
2·451	2·434	2·422	2·415	2·420	2·422	2·426	2·420	2·417	2·417	2·438	2·440	2·444	2·448	2·448	2·4905
2·428	2·426	2·427	2·435	2·451	2·474	2·472	2·479	2·481	2·488	2·487	2·490	2·493	2·502	2·524	2·4715
2·650	2·692	2·720	2·736	2·799	2·817	2·832	2·845	2·843	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	2·772	2·762	2·756	2·750	2·744	2·746	2·7079
2·700	2·695	2·688	2·676	2·684	2·682	2·659	2·641	2·622	2·607	2·593	2·577	2·564	2·558	2·552	2·6865
2·462	2·466	2·483	2·495	2·509	2·517	2·510	2·504	2·502	2·502	2·506	2·510	2·511	2·527	2·527	2·5124
2·562	2·540	2·537	2·535	2·535	2·545	2·539	2·542	2·523	2·506	2·502	2·498	2·479	2·493	2·503	2·5437
2·521	2·519	2·524	2·550	2·505	2·566	2·561	2·557	2·559	2·528	2·501	2·475	2·459	2·425	2·391	2·5286
2·293	2·337	2·371	2·403	2·444	2·486	2·524	2·554	2·564	2·580	2·596	2·643	2·665	2·682	2·705	2·4463
2·845	2·854	2·848	2·868	2·862	2·864	2·879	2·880	2·885	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	2·872	2·873	2·864	2·858	2·853	2·847	2·8489
2·711	2·693	2·663	2·650	2·648	2·633	2·622	2·600	2·586	2·580	2·570	2·577	2·583	2·601	2·635	2·6940
2·895	2·899	2·929	2·958	2·972	2·976	2·997	3 021	3·021	3·029	3·030	3·031	3·023	3·049	3·051	2·9145
3·038	3·008	2·992	2·978	2·953	2·925	2·888	2·874	2·826	2·808	2·776	2·764	2·746	2·734	2·702	2·9390
2·625	2·611	2·623	2·641	2·655	2·670	2·670	2·676	2·674	2·676	2·678	2·681	2·663	2·657	2·659	2·6612
2·6467	2·6491	2·6525	2·6630	2·6710	2·6736	2·6756	2·6748	2·6746	2·6424	2·6401	2·6394	2·6376	2·6380	2·6369	2·6604

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

	Hours of Mean Göttingen Time,	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time,	18	19	20	21	22	23	0	1	2	3	4	5
MARCH.	1	2·637	2·623	2·611	2·583	2·555	2·533	2·492	2·449	2·407	2·359	2·367	2·333
	2	2·419	2·443	2·438	2·434	2·433	2·417	2·407	2·410	2·404	2·411	2·423	2·437
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	2·757	2·829	2·872	2·906	2·936	2·955	2·969	2·958	2·979	2·938	2·995	3·001
	5	3·123	3·126	3·127	3·127	3·102	3·099	3·068	3·050	3·034	3·031	3·018	3·012
	6	3·134	3·138	3·138	3·146	3·150	3·160	3·146	3·125	3·078	3·066	3·056	3·042
	7	2·986	2·990	3·012	3·005	3·011	2·996	2·986	2·959	2·927	2·913	2·908	2·894
	8	2·680	2·674	2·654	2·618	2·589	2·551	2·476	2·454	2·413	2·378	2·364	2·365
	9	2·600	2·629	2·666	2·688	2·688	2·684	2·674	2·656	2·660	2·653	2·659	2·650
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	2·818	2·836	2·838	2·857	2·853	2·834	2·824	2·802	2·773	2·762	2·757	2·738
	12	2·648	2·648	2·668	2·622	2·598	2·573	2·546	2·518	2·486	2·472	2·454	2·446
	13	2·304	2·329	2·371	2·395	2·417	2·442	2·467	2·485	2·513	2·557	2·591	2·623
	14	2·850	2·903	2·905	2·926	2·956	2·922	2·907	3·879	2·859	2·854	2·840	2·833
	15	2·627	2·620	2·600	2·578	2·562	2·542	2·519	2·485	2·462	2·456	2·428	2·422
	16	2·289	2·277	2·265	2·253	2·253	2·253	2·241	2·211	2·207	2·210	2·210	2·214
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	2·197	2·207	2·232	2·244	2·272	2·267	2·298	2·315	2·355	2·394	2·426	2·455
	19	2·693	2·713	2·713	2·717	2·709	2·706	2·688	2·661	2·628	2·602	2·597	2·585
	20	2·431	2·416	2·398	2·424	2·430	2·423	2·426	2·446	2·470	2·494	2·527	2·562
	21	2·724	2·720	2·721	2·718	2·705	2·692	2·674	2·658	2·628	2·608	2·570	2·560
	22	2·428	2·443	2·443	2·443	2·443	2·450	2·463	2·464	2·441	2·440	2·446	2·463
	23	2·652	2·671	2·703	2·727	2·736	2·746	2·739	2·729	2·712	2·705	2·693	2·692
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	2·502	2·534	2·563	2·608	2·641	2·685	2·722	2·739	2·724	2·713	2·712	2·717
	26	2·718	2·750	2·742	2·758	2·764	2·763	2·761	2·765	2·752	2·750	2·750	2·750
	27	2·763	2·779	2·774	2·794	2·774	2·774	2·758	2·719	2·677	2·661	2·635	2·639
	28	2·334	2·327	2·333	2·303	2·289	2·261	2·241	2·229	2·212	2·212	2·246	2·261
	29	2·856	2·882	2·913	2·894	2·921	2·925	2·923	2·902	2·912	2·872	2·864	2·852
	30	2·679	2·698	2·714	2·719	2·765	2·765	2·750	2·755	2·771	2·773	2·817	2·837
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		2·6480	2·6617	2·6698	2·6726	2·6751	2·6699	2·6602	2·6470	2·6340	2·6263	2·6290	2·6315
APRIL.	1	3·203	3·227	3·231	3·244	3·265	3·248	3·245	3·240	3·230	3·219	3·215	3·214
	2	3·224	3·236	3·243	3·224	3·211	3·199	3·175	3·164	3·136	3·096	3·064	3·021
	3	2·827	2·835	2·825	2·808	2·807	2·792	2·773	2·746	2·722	2·697	2·671	2·662
	4	2·625	2·624	2·606	2·591	2·567	2·544	2·533	2·495	2·491	2·500	2·554	2·596
	5	—*	—	—	—	—	—	—	—	—	—	—	—
	6	2·907	2·917	2·955	2·927	2·936	2·948	2·962	2·938	2·938	2·931	2·929	2·911
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	2·630	2·610	2·587	2·571	2·546	2·565	2·540	2·522	2·499	2·470	2·466	2·483
	9	2·710	2·733	2·748	2·757	2·764	2·762	2·760	2·763	2·757	2·761	2·758	2·735
	10	2·821	2·832	2·835	2·829	2·808	2·798	2·789	2·772	2·744	2·735	2·725	2·714
	11	2·720	2·738	2·750	2·744	2·756	2·725	2·724	2·727	2·703	2·695	2·686	2·685
	12	2·790	2·806	2·812	2·823	2·830	2·827	2·827	2·839	2·824	2·817	2·811	2·812
	13	2·833	2·847	2·860	2·861	2·864	2·842	2·833	2·821	2·807	2·787	2·770	2·763
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	2·677	2·687	2·695	2·695	2·699	2·694	2·692	2·684	2·660	2·648	2·632	2·623
	16	2·507	2·502	2·532	2·534	2·556	2·546	2·545	2·552	2·580	2·572	2·571	2·577
	17	2·726	2·751	2·787	2·807	2·821	2·817	2·819	2·836	2·816	2·816	2·816	2·834
	18	2·950	2·962	2·962	2·968	2·965	2·952	2·940	2·928	2·905	2·889	2·872	2·866
	19	2·866	2·860	2·855	2·853	2·844	2·833	2·801	2·785	2·756	2·738	2·721	2·709
	20	2·663	2·679	2·677	2·669	2·658	2·638	2·615	2·600	2·579	2·564	2·552	2·548
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	2·728	2·728	2·736	2·750	2·762	2·750	2·748	2·756	2·740	2·718	2·709	2·715
	23	2·586	2·586	2·594	2·593	2·577	2·553	2·539	2·514	2·514	2·494	2·508	2·509
	24	2·476	2·464	2·464	2·463	2·446	2·417	2·390	2·371	2·378	2·383	2·394	2·454
	25	2·831	2·830	2·828	2·835	2·833	2·818	2·808	2·793	2·782	2·735	2·698	2·655
	26	2·432	2·422	2·410	2·408	2·442	2·445	2·485	2·505	2·537	2·563	2·597	2·632
	27	2·858	2·859	2·855	2·866	2·876	2·874	2·843	2·817	2·805	2·793	2·789	2·791
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	2·885	2·903	2·908	2·933	2·929	2·926	2·898	2·883	2·855	2·827	2·812	2·796
	30	2·789	2·789	2·782	2·761	2·737	2·727	2·681	2·649	2·628	2·589	2·562	2·542
Hourly Means		2·7706	2·7771	2·7815	2·7806	2·7799	2·7696	2·7580	2·7480	2·7354	2·7215	2·7153	2·7163

* Good Friday.

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
2·333	2·345	2·345	2·337	2·335	2·339	2·345	2·355	2·383	2·401	2·413	2·413	2·4289
2·443	2·477	2·510	2·521	2·551	2·554	—	—	—	—	—	—	2·5023
—	—	—	—	—	—	2·590	2·616	2·637	2·665	2·695	2·721	
3·022	3·042	3·055	3·066	3·068	3·085	3·089	3·094	3·093	3·096	3·121	3·123	3·0020
3 024	3·042	3·056	3·058	3·068	3·068	3·072	3·080	3·088	3·094	3·116	3·120	3·0751
3·037	3·032	3·028	3·020	3·020	3·015	3·015	3·013	3·005	2·991	2·991	2·991	3·0640
2·882	2·872	2·872	2·860	2·836	2·817	2·807	2·792	2·757	2·740	2·721	2·700	2·8851
2·359	2·373	2·397	2·421	2·447	2·463	2·489	2·517	2·525	2·545	2·569	2·586	2·4961
2·669	2·669	2·669	2·674	2·673	2·677	—	—	—	—	—	—	2·6934
—	—	—	—	—	—	2·762	2·770	2·767	2·792	2·796	2·808	
2·764	2·753	2·752	2·728	2·724	2·705	2·699	2·697	2·680	2·668	2·660	2·674	2·7590
2·433	2·421	2·407	2·393	2·369	2·363	2·331	2·316	2·283	2·273	2 273	2·274	2·4506
2·653	2·673	2·708	2·731	2·750	2·766	2·796	2·825	2·844	2·838	2·823	2·819	2·6133
2·827	2·807	2·796	2·782	2·768	2·743	2·725	2·710	2·690	2·663	2·639	2·627	2·8088
2·412	2·403	2·409	2·404	2·394	2·376	2·369	2·353	2·331	2·325	2·308	2·289	2·4448
2·217	2·227	2·221	2·221	2·221	2·223	—	—	—	—	—	—	2·2223
—	—	—	—	—	—	2·166	2·181	2·187	2·195	2·198	2·196	
2·479	2·498	2·524	2·544	2·550	2·551	2·573	2 597	2·613	2·631	2·653	2·683	2·4399
2·581	2·589	2·589	2·586	2·566	2·540	2·527	2·505	2·487	2·449	2·437	2·432	2·5958
2·594	2·624	2·660	2·688	2·705	2·693	2·694	2·704	2·704	2·702	2·712	2·729	2·5690
2·544	2·536	2·525	2·536	2·530	2 526	2·502	2·491	2·477	2·455	2·452	2·436	2·5828
2·475	2·480	2·492	2·509	2·520	2·531	2·560	2·581	2·574	2·583	2·606	2·616	2·4956
2·708	2·708	2·713	2·717	2·707	2·706	—	—	—	—	—	—	2·6446
—	—	—	—	—	—	2·447	2·449	2·442	2·444	2·456	2·468	
2·728	2·722	2·719	2·719	2·720	2·720	2·707	2·715	2·700	2·688	2·706	2·700	2·6835
2·752	2·751	2 745	2·750	2·744	2·758	2·745	2·735	2·733	2·725	2·731	2·755	2·7478
2·616	2·585	2·574	2·550	2·528	2·520	2·482	2·438	2·398	2·374	2·361	2·355	2·6053
2 323	2 381	2·450	2·510	2·538	2·583	2·606	2·662	2·706	2·740	2·763	2·793	2·4295
2·826	2·801	2·825	2·832	2·805	2·769	2·735	2·715	2·685	2 687	2·650	2·639	2·8202
2·877	2·920	2·948	2·980	3·010	3·032	—	—	—	—	—	—	2·9069
—	—	—	—	—	—	3·144	3·145	3·146	3·158	3·171	3·191	
2·6376	2·6435	2·6534	2·6591	2·6595	2·6586	2·6530	2·6560	2·6513	2·6508	2·6547	2·6592	2·6526
3·206	3·203	3·208	3·209	3·200	3·199	3·186	3·178	3·178	3·186	3·184	3·196	3·2131
2·998	2·950	2·918	2·915	2·931	2·923	2·915	2·899	2·877	2·859	2·847	2·827	3 0357
2·660	2·656	2·656	2·650	2·635	2·628	2·615	2·605	2·594	2·603	2·603	2·613	2·6951
2·615	2 650	2·670	2·681	2·693	2·712	—	—	—	—	—	—	2·6791
—	—	—	—	—	—	2·940	2·948	2·928	2·922	2·907	2·907	
2·941	2·937	2·951	2·940	2·926	2·930	—	—	—	—	—	—	2·8656
—	—	—	—	—	—	2·696	2·671	2·651	2·650	2·630	2·622	
2·501	2·505	2·533	2·534	2·565	2·597	2·617	2·627	2·635	2·642	2·660	2·670	2·5656
2·752	2·754	2·773	2·782	2·784	2·781	2·775	2·761	2·762	2·766	2·769	2·781	2·7612
2·702	2·704	2·711	2·704	2·703	2·705	2·712	2·706	2·703	2·702	2·694	2·701	2·7437
2·687	2·693	2·703	2·708	2·708	2·720	2·722	2·731	2·737	2·743	2·758	2·759	2·7218
2·811	2·812	2·820	2·827	2 833	2·832	2·833	2·820	2·821	2·816	2·812	2·821	2·8200
2·752	2·749	2·754	2·744	2·743	2·733	—	—	—	—	—	—	2·7629
—	—	—	—	—	—	2·661	2·657	2·652	2·652	2·662	2·663	
2·615	2·614	2·618	2·622	2·605	2·575	2·537	2 510	2·498	2·502	2·501	2·501	2·6160
2·571	2·570	2·584	2·576	2·582	2·597	2·605	2·608	2·615	2·643	2·662	2·689	2·5782
2·827	2·842	2·863	2·866	2·867	2·870	2·878	2·882	2·887	2·908	2·923	2·942	2·8417
2·856	2·848	2·851	2·853	2·860	2·860	2·864	2·857	2·856	2·849	2·851	2·842	2·8919
2·699	2·686	2·685	2·682	2·674	2·680	2·672	2·664	2·657	2·650	2·644	2·643	2·7357
2·540	2·540	2·541	2·536	2·534	2·535	—	—	—	—	—	—	2·6140
—	—	—	—	—	—	2·680	2·673	2·673	2·684	2·680	2·679	
2·709	2·662	2·665	2·661	2·657	2·639	2·635	2·609	2·596	2·580	2·556	2·550	2·6816
2·517	2·516	2·535	2·543	2·543	2·538	2·530	2·524	2·529	2·499	2·481	2·489	2·5338
2·464	2·520	2·618	2·647	2·673	2·711	2·748	2·776	2·811	2·809	2·810	2·824	2·5630
2·616	2·594	2·574	2·582	2·569	2·543	2·508	2·470	2·483	2·481	2·426	2·402	2·6539
2·653	2·680	2·714	2·759	2·769	2·799	2·797	2·803	2·815	2·823	2·830	2·843	2·6318
2·766	2·764	2·759	2·761	2·751	2·744	—	—	—	—	—	—	2·8124
—	—	—	—	—	—	2·800	2·798	2·806	2·821	2·843	2·859	
2·785	2 802	2·821	2·820	2·809	2·803	2·796	2·788	2·787	2·782	2·773	2·781	2·8376
2·523	2·520	2·491	2·479	2·484	2·482	2·462	2·452	2·443	2·441	2·444	2·444	2·5792
2·7106	2·7108	2·7206	2·7232	2·7239	2·7254	2·7274	2·7207	2·7198	2·7205	2·7180	2·7219	2·7374

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

Hours of Mean Göttingen Time.		0	1	2	3	4	5	6	7	8	9	10	11
Hours of Mean Toronto Time.		18	19	20	21	22	23	0	1	2	3	4	5
MAY.	1	2·461	2·467	2·458	2·460	2·457	2·436	2·418	2·368	2·373	2·365	2·338	2·322
	2	2·266	2·276	2·298	2·288	2·269	2·268	2·257	2·271	2·254	2·247	2·243	2·241
	3	2·397	2·399	2·396	2·413	2·394	2·385	2·373	2·355	2·346	2·334	2·318	2·306
	4	2·381	2·382	2·384	2·384	2·384	2·354	2·353	2·345	2·349	2·347	2·367	2·379
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	2·187	2·156	2·129	2·105	2·106	2·083	2·078	2·062	2·063	2·060	2·058	2·052
	7	2·452	2·479	2·502	2·527	2·547	2·548	2·540	2·524	2·523	2·528	2·518	2·519
	8	2·346	2 335	2·349	2·341	2·370	2·373	2·361	2·357	2·372	2 392	2·437	2·490
	9	2·763	2·787	2·797	2·796	2 798	2·797	2·797	2·793	2·786	2·795	2·814	2·826
	10	3·044	3·048	3·035	3·036	3·037	3·045	2·999	2·977	2·947	2·899	2·845	2·829
	11	2·512	2·520	2·511	2·455	2·459	2·440	2·408	2·415	2·396	2·358	2·354	2·322
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	2·894	2·906	2·914	2·913	2·911	2·886	2·861	2·841	2·791	2·768	2·752	2·702
	14	2·618	2·664	2·673	2·700	2·724	2·721	2·725	2·756	2·770	2·769	2·776	2·789
	15	2·854	2·853	2·846	2·829	2·821	2·790	2·757	2·744	2·701	2·671	2·644	2·619
	16	2·505	2·531	2·538	2·537	2·538	2·535	2·537	2·538	2·525	2·514	2·495	2·479
	17	2·619	2·641	2·661	2·661	2·709	2·674	2·693	2·693	2·672	2·664	2·673	2·667
	18	2·640	2·640	2·632	2·622	2·621	2·580	2·612	2·617	2·617	2·623	2·633	2·642
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	2·459	2·449	2·429	2·415	2·404	2·401	2·398	2·381	2·379	2·403	2·403	2·412
	21	2·717	2·734	2·758	2·772	2·710	2·797	2·796	2·795	2·797	2·797	2·795	2·798
	22	2·940	2·949	2·952	2·941	2 931	2·913	2·896	2·885	2·864	2·851	2·829	2·834
	23	2·887	2·906	2·915	2·914	2·907	2·855	2 874	2 864	2·836	2·813	2·809	2·812
	24	2·881	2·891	2·883	2·875	2·859	2·855	2·816	2·796	2·774	2·760	2·730	2·715
	25	2·620	2·624	2·614	2·612	2·591	2·581	2·560	2·530	2·510	2·480	2·461	2·441
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	2·367	2·367	2·379	2·371	2 361	2·347	2·332	2·315	—	—	2·295	2·295
	28	2·471	2·480	2·494	2 494	2·516	2·521	2·530	2·518	2·515	2·515	2·515	2 516
	29	2·669	2·687	2·687	2·679	2·679	2 676	2·657	2·634	2·604	2·580	2·564	2·540
	30	2·225	2·226	2·206	2·174	2·152	2·130	2·140	2·133	2·123	2·104	2 099	2·087
	31	2·035	2·081	2·139	2·179	2·212	2,251	2·275	2·312	2·331	2·349	2·376	2·392
Hourly Means		2 5633	2·5733	2·5770	2·5738	2·5758	2·5660	2·5557	2·5500	2·5468	2·5379	2·5237	2 5195
JUNE.	1	2·542	2·554	2·549	2·521	2·487	2·474	2·449	2·432	2·428	2·485	2·398	2·374
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	2·727	2·731	2·733	2·730	2·735	2·733	2·747	2·743	2·725	2·704	2·697	2·700
	4	2·675	2·683	2·683	2·680	2·685	2·693	2·693	2·686	2·682	2·667	2·636	2·639
	5	2·575	2·571	2·571	2·549	2·537	2·532	2·514	2·503	2·481	2·480	2·482	2·472
	6	2·382	2·382	2·403	2·432	2·438	2·473	2·488	2·507	2·526	2·545	2·567	2·571
	7	2·561	2·561	2·548	2·524	2·516	2·497	2·493	2·480	2·472	2·480	2 513	2·528
	8	2·828	2·834	2·835	2·837	2·834	2·818	2·794	2·779	2·775	2·725	2·713	2·700
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	2·606	2·620	2·627	2·630	2·632	2·646	2·656	2·672	2·684	2·706	2 729	2·749
	11	3·018	3·042	3·046	3·042	3·033	3·020	3·008	2 994	2·982	2·971	2·954	2·955
	12	3·021	3·036	3·035	3·038	3·021	3·000	2·989	2·966	2·947	2·917	2·907	2·895
	13	2·782	2·778	2·778	2·779	2·773	2·773	2·764	2·747	2·730	2·720	2·718	2·713
	14	2·779	2·791	2·800	2·817	2·831	2·831	2·830	2 828	2·823	2·818	2·812	2·797
	15	2·877	2·881	2·889	2·907	2·909	2·902	2·899	2·881	2·873	2·864	2·859	2·845
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	2·524	2·516	2·504	2·488	2·484	2·473	2·466	2·448	2·434	2·420	2·402	2·375
	18	2 352	2·364	2·372	2·372	2·371	2·379	2·380	2·376	2·373	2·369	2·366	2·354
	19	2·376	2·364	2·368	2·356	2·318	2·291	2·223	2·219	2·240	2·261	2·279	2·320
	20	2·517	2·535	2 528	2·529	2·545	2·545	2·548	2·546	2·548	2·544	2·544	2·548
	21	2·628	2·638	2·638	2·636	2·644	2·654	2·641	2·630	2·620	2·614	2·603	2·563
	22	2·599	2·609	2·601	2·609	2·609	2·609	2·602	2·584	2·568	2·561	2·560	2·561
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	2·478	2·468	2·451	2·437	2·424	2·413	2·408	2·395	2·367	2·355	2·354	2·358
	25	2·375	2·386	2·396	2·396	2·395	2·385	2·376	2·373	2·364	2·364	2·359	2·372
	26	2·576	2·575	2·597	2·609	2·605	2·607	2·612	2·613	2·607	2·601	2·569	2·555
	27	2·509	2·512	2·514	2·488	2·478	2·444	2·410	2·381	2·373	2·343	2·315	2·279
	28	2·450	2·480	2·504	2·524	2·564	2·582	2·695	2·617	2·632	2·640	2·638	2·654
	29	2·839	2·857	2·861	2·856	2·860	2·853	2·852	2·835	2·815	2·787	2·782	2·759
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		2·6238	2·6307	2·6332	2·6315	2·6291	2·6251	2·6215	2·6094	2·6028	2·5976	2·5904	2·5866

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
2·292	2·272	2·254	2·243	2·258	2·273	2·266	2·280	2·280	2·278	2·278	2·278	2·3419
2·255	2·257	2·276	2·305	2·340	2·392	2·349	2·351	2·359	2·371	2·386	2·387	2·3005
2·308	2·326	2·316	2·347	2·327	2·333	2·339	2·346	2·338	2·350	2·368	2·379	2·3539
2·384	2·303	2·424	2·440	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	2·374	2·365	2·331	2·324	2·286	2·235	2·3620
2·050	2·051	2·085	2·135	2·165	2·190	2·252	2·301	2·335	2·364	2·396	2·426	2·1620
2·522	2·524	2·522	2·523	2·494	2·485	2·466	2·429	2·407	2·398	2·380	2·360	2·4882
2·538	2·574	2·597	2·618	2·632	2·644	2·653	2·661	2·673	2·684	2·701	2·729	2·5095
2·859	2·878	2·910	2·937	2·948	2·953	2·969	2·964	2·981	3·003	3·008	3·025	2·8750
2·811	2·792	2·779	2·748	2·718	2·684	2·639	2·570	2·536	2·560	2·542	2·524	2·8185
2·333	2·327	2·377	2·397	2·427	2·452	—	—	—	—	—	—	
—	—	—	—	—	—	2·811	2·818	2·810	2·833	2·843	2·893	2·5196
2·629	2·605	2·622	2·544	2·556	2·517	2·499	2·501	2·501	2·505	2·539	2·551	2·6962
2·788	2·789	2·795	2·826	2·834	2·844	2 845	2 849	2·844	2·843	2·848	2·858	2·7770
2·589	2·597	2·612	2·597	2·580	2·566	2 535	2·527	2·520	2·517	2·506	2·520	2·6585
2·470	2·463	2·498	2·519	2·528	2·519	2·523	2·527	2·524	2·526	2·545	2·575	2·5204
2·668	2·668	2·683	2·679	2·675	2 670	2·662	2·661	2·637	2·631	2·623	2·632	2·6632
2·656	2·685	2·717	2·756	2·771	2·771	—	—	—	—	—	—	
—	—	—	—	—	—	2·615	2·577	2·554	2·533	2·503	2·483	2·6292
2·443	2·485	2·510	2·513	2 516	2·537	2·556	2·590	2 607	2·620	2·662	2 696	2·4862
2·804	2·810	2·834	2·864	2 876	2·873	2·883	2·892	2·894	2·896	2·903	2·919	2·8247
2·822	2·812	2·826	2·834	2·841	2·843	2·844	2·849	2·849	2·854	2·867	2·889	2·8715
2·816	2·828	2·849	2·863	2·867	2·868	2·862	2·860	2·858	2 863	2·870	2·871	2·8628
2·712	2·693	2·684	2·676	2·672	2·676	2 674	2·642	2·632	2·622	2·618	2·620	2·7398
2·417	2·403	2·408	2·402	2·407	2·378	—	—	—	—	—	—	
—	—	—	—	—	—	2·310	2·307	2·303	2·304	2·318	2·326	2·4545
2·303	2·329	2·359	2·365	2·374	2·379	2·407	2·410	2·416	2·420	2·427	2·449	2·3667
2·538	2·545	2·565	2·582	2·589	2·599	2·597	2·605	2·625	2·644	2·658	2·659	2·5534
2·516	2·498	2·478	2·479	2·462	2·445	2·416	2·372	2·345	2·333	2·281	2·249	2·5221
2·081	2·061	2·049	2·079	2·044	2·006	2·012	1·988	1·978	1·973	1·966	1·985	2·0843
2·407	2·425	2·454	2·477	2·497	2·511	2·512	2·514	2·522	2·527	2·537	2·542	2·3690
2·5190	2·5219	2·5364	2 5462	2·5540	2·5538	2·5507	2·5165	2 5429	2·5474	2·5503	2·5578	2·5496
2·367	2·368	2·354	2·379	2·405	2·468	—	—	—	—	—	—	
—	—	—	—	—	—	2·681	2·682	2·685	2·688	2·698	2·703	2·5071
2·658	2·658	2·663	2·684	2·686	2·681	2·683	2·691	2·680	2·664	2·665	2·658	2·6990
2·629	2·622	2 618	2·635	2·619	2·622	2·619	2·618	2·606	2·593	2·583	2·583	2·6437
2·466	2·467	2·444	2·434	2·428	2·426	2·425	2·419	2·411	2·387	2·377	2·375	2·4719
2·590	2·618	2·610	2·608	2·609	2·593	2·584	2·589	2·586	2·582	2·581	2·575	2·5350
2·562	2·598	2 617	2·662	2·691	2·698	2·735	2·740	2·751	2·758	2·785	2·818	2·6078
2·677	2·683	2·692	2·657	2·649	2·603	—	—	—	—	—	—	
—	—	—	—	—	—	2·545	2·553	2·554	2·561	2·555	2·580	2·6992
2·775	2·801	2·829	2·848	2·864	2·881	2·917	2·922	2·944	2·963	2·988	3·002	2·7788
2·949	2·963	2·963	2·971	2·976	2·985	2·983	2 982	2·986	2·993	2·996	3·001	2·9922
2·879	2·868	2·853	2·859	2·845	2·842	2·832	2·805	2·796	2·783	2·777	2·784	2·9040
2·713	2·713	2·710	2·718	2·728	2·729	2·730	2·726	2·727	2·734	2·749	2·767	2·7416
2·811	2·817	2·818	2·844	2·855	2·863	2·864	2·859	2·856	2·862	2·867	2·872	2 8310
2·837	2·823	2·831	2·822	2·821	2·823	—	—	—	—	—	—	
—	—	—	—	—	—	2·582	2·560	2·533	2·529	2·529	2·521	2·7832
2·369	2·359	2·361	2·364	2·351	2·347	2·329	2 322	2·316	2·320	2·328	2·336	2·4015
2·357	2·356	2·365	2·380	2·376	2·391	2·403	2·425	2·427	2·381	2·382	2·382	2·3773
2·357	2·368	2·402	2·435	2·448	2·463	2·465	2·466	2·476	2·479	2·487	2·508	2·3737
2·562	2 568	2·576	2·591	2·596	2·603	2·605	2·608	2·599	2·598	2·599	2·613	2·5665
2·577	2·577	2·595	2·608	2·613	2·608	2·604	2·595	2·582	2·577	2·580	2·574	2·6097
2·571	2·563	2·566	2·578	2·590	2·595	—	—	—	—	—	—	
—	—	—	—	—	—	2·518	2·505	2·492	2·481	2·481	2·482	2·5622
2·366	2·372	2·385	2·397	2·417	2·414	2·409	2·393	2·375	2·377	2·375	2·377	2·3085
2·385	2·404	2·432	2·453	2·460	2·475	2·477	2·488	2·510	2·514	2·532	2·561	2·4263
2·358	2·564	2·568	2·566	2·557	2·553	2·547	2·541	2·536	2·528	2·531	2·518	2·5705
2·289	2·289	2·281	2·283	2·277	2·273	2·273	2·287	2·335	2·377	2·399	2·434	2·3685
2·666	2·696	2·714	2·749	2·758	2·781	2·787	2·794	2·790	2·805	2·812	2·818	2·6729
2·751	2·740	2·734	2·741	2·733	2·726	—	—	—	—	—	—	
—	—	—	—	—	—	2·466	2·438	2·434	2·432	2·412	2·418	2·7075
2·5888	2·5942	2·5992	2·6100	2·6141	2·6177	2·6025	2·6003	2·5995	2·5986	2·6027	2·6104	2·6092

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
JULY.	1	2·438	2·438	2·437	2·436	2·433	2·435	2·444	2·434	2·443	2·442	2·439	2·451
	2	2·548	2·554	2·555	2·546	2·525	2·510	2·490	2·464	2·457	2·451	2·454	2·474
	3	2·462	2·468	2·483	2·511	2·527	2·532	2·543	2·561	2·569	2·578	2·586	2·588
	4	2·826	2·840	2·856	2·857	2·862	2·861	2·864	2·840	2·836	2·812	2·801	2·785
	5	2·658	2·636	2·612	2·582	2·562	2·531	2·473	2·455	2·413	2·366	2·334	2·318
	6	2·327	2·342	2·346	2·357	2·363	2·374	2·370	2·359	2·367	2·488	2·409	2·413
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	2·702	2·716	2·716	2·716	2·707	2·704	2·688	2·658	2·649	2·624	2·613	2·596
	9	2·517	2·507	2·509	2·470	2·446	2·419	2·410	2·370	2·360	2·354	2·338	2·319
	10	2·164	2·175	2·194	2·197	2·197	2·206	2·215	2·230	2·246	2·260	2·276	2·298
	11	2·455	2·465	2·463	2·466	2·482	2·490	2·483	2·485	2·479	2·473	2·472	2·472
	12	2·628	2·635	2·605	2·615	2·629	2·634	2·623	2·620	2·607	2·591	2·583	2·562
	13	2·660	2·678	2·668	2·688	2·698	2·692	2·688	2·680	2·665	2·643	2·638	2·629
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	2·611	2·607	2·605	2·603	2·603	2·603	2·535	2·600	2·570	2·570	2·560	2·514
	16	2·327	2·320	2·320	2·316	2·336	2·357	2·367	2·390	2·397	2·409	2·421	2·426
	17	2·576	2·588	2·598	2·618	2·629	2·631	2·641	2·631	2·630	2·622	2·618	2·625
	18	2·630	2·628	2·620	2·617	2·586	2·593	2·569	2·546	2·505	2·463	2·449	2·435
	19	2 328	2·334	2·358	2·366	2·326	2·324	2·344	2·358	2·338	2·351	2·345	2·335
	20	2·403	2·418	2·424	2·433	2·433	2·434	2·438	2·446	2·443	2·441	2·437	2·446
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	2·643	2·642	2·644	2·629	2·622	2·617	2·607	2·594	2·561	2·578	2·591	2·575
	23	2·657	2·659	2·659	2·648	2·637	2·616	2·618	2·607	2·588	2·579	2·573	2·581
	24	2·608	2·612	2·632	2·634	2·634	2·639	2·625	2·623	2·619	2·610	2·602	2·594
	25	2·560	2·562	2·572	2·562	2·570	2·578	2·596	2·600	2·604	2·601	2·601	2·584
	26	2·654	2·670	2·676	2·684	2·688	2·693	2·691	2·690	2·690	2·689	2·688	2·698
	27	2·773	2·779	2·798	2·796	2·794	2·791	2·789	2·778	2·768	2·757	2·745	2·742
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	2·772	2·768	2·764	2·761	2·748	2·736	2·719	2·697	2·676	2·662	2·653	2·630
	30	2·585	2·599	2·593	2·589	2·575	2·561	2·545	2·531	2·503	2·494	2·464	2·450
	31	2·364	2·360	2·378	2·379	2·386	2·378	2·370	2·360	2·353	2·341	2·340	2·338
	Hourly Means	2·5508	2·5555	2·5587	2·5583	2·5554	2·5533	2·5461	2·5410	2·5310	2·5277	2·5197	2·5140
AUGUST.	1	2·460	2·504	2·507	2·509	2·522	2·540	2·539	2·538	2·535	2·528	2·522	2·525
	2	2·723	2·723	2·733	2·754	2·765	2·764	2·768	2·763	2·748	2·723	2·713	2·707
	3	2·674	2·651	2·663	2·641	2·646	2·630	2·595	2·562	2·538	2·498	2·463	2·451
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	2·581	2·571	2·569	2·560	2·556	2·551	2·526	2·517	2·507	2·484	2·473	2·456
	6	2·350	2·353	2·354	2·361	2·371	2·363	2·378	2·373	2·373	2·390	2·410	2·426
	7	2·551	2·551	2·550	2·554	2·547	2·535	2·533	2·520	2·518	2·518	2·522	2·524
	8	2·503	2·529	2·545	2·545	2·553	2·558	2·557	2·568	2·560	2·553	2·539	2·532
	9	2·256	2·246	2·218	2·224	2·235	2·246	2·256	2·260	2·213	2·246	2 229	2·236
	10	2·480	2·500	2·511	2·518	2·519	2·521	2·519	2·499	2·492	2·492	2·503	2·507
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	2·729	2·737	2·743	2·738	2·741	2·734	2·734	2·733	2·723	2·718	2 695	2·697
	13	2·696	2·707	2·717	2·716	2·705	2·690	2·685	2·673	2·653	2·652	2·638	2·632
	14	2·649	2·649	2·665	2·671	2·687	2·685	2·670	2·666	2·647	2·656	2·663	2·661
	15	2·687	2·701	2·705	2·716	2·707	2·701	2·700	2·678	2·663	2·653	2·632	2·618
	16	2 591	2·577	2·583	2·591	2·604	2·591	2·562	2·547	2·538	2·527	2·514	2·501
	17	2·613	2·612	2·624	2·641	2·639	2 636	2·635	2·635	2·630	2·638	2·641	2 649
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	2·562	2·574	2·574	2·576	2·590	2.578	2·571	2·565	2·563	2·564	2·561	2·599
	20	2·673	2·699	2·713	2·757	2·775	2·791	2·813	2·833	2·821	2·807	2·801	2·803
	21	2·883	2·917	2·918	2·921	2·922	2·909	2·905	2·894	2·875	2·849	2·851	2·819
	22	2·577	2·541	2·511	2·477	2·421	2·403	2·349	2·313	2·275	2·256	2·253	2·272
	23	2·157	2·167	2·167	2·177	2·179	2·165	2·166	2·174	2·169	2·157	2·.64	2·182
	24	2·178	2·176	2·168	2·163	2·152	2 126	2·126	2·129	2·136	2·140	2·151	2·179
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	2·299	2·327	2·331	2·333	2·340	2·332	2·329	2·330	2·335	2·335	2·353	2·361
	27	2·368	2·372	2·375	2·378	2·382	2·384	2·382	2·375	2·370	2·352	2·364	2·362
	28	2·385	2·379	2·385	2·389	2·387	2·372	2·382	2·380	2·374	2·363	2·375	2·362
	29	2·466	2·484	2·496	2·509	2·513	2·514	2·502	2·509	2·508	2 520	2·519	2·531
	30	2·627	2·643	2·645	2·657	2 655	2·635	2·626	2·610	2·608	2·571	2·561	2·559
	31	2·592	2·616	2·614	2·618	2·622	2·629	2·629	2·627	2·627	2·614	2·624	2·628
	32	—	—	—	—	—	—	—	—	—	—	—	—
	Hourly Means	2·5300	2·5372	2·5401	2 5442	2·5457	2·5401	2·5347	2·5286	2·5183	2·5113	2·5087	2·5099

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
2·455	2·483	2·505	2·513	2·522	2·539	2·547	2·552	2·553	2·553	2·550	2·546	2·4828
2·468	2·462	2·463	2·465	2·452	2·448	2·446	2·452	2·457	2·463	2 451	2·455	2·4796
2·602	2·616	2·629	2·667	2·678	2·710	2·731	2·739	2·765	2·784	2·798	2·806	2·6222
2·771	2·766	2·759	2·763	2·755	2·758	2·762	2·745	2·720	2·709	2·693	2·679	2·7883
2 294	2·276	2·268	2·279	2·279	2·293	2·295	2·283	2·281	2·295	2·295	2·319	2·3915
2·435	2·457	2·468	2·507	2·513	2·521	—	—	—	—	—	—	
—	—	—	—	—	—	2·654	2·662	2·668	2·661	2·672	2·687	2·4758
2·585	2·577	2·563	2·557	2·551	2·552	2·552	2·553	2·545	2·548	2·522	2·508	2·6126
2·295	2·287	2·270	2·268	2·250	2·246	2·217	2·203	2·191	2·165	2·159	2·157	2·3220
2·336	2·352	2·369	2·380	2·381	2·383	2·387	2·392	2·394	2·395	2·412	2·435	2·3031
2·483	2·492	2·499	2·512	2·532	2·529	2·544	2·557	2·560	2·560	2·573	2·610	2·5057
2·366	2·570	2·572	2·587	2·608	2·626	2·627	2·627	2·623	2·622	2·654	2·658	2·6111
2·633	2·633	2·619	2·626	2·627	2·613	—	—	—	—	—	—	
—	—	—	—	—	—	2·575	2·568	2·564	2·565	2·572	2·586	2·6337
2·490	2·491	2·478	2·492	2·484	2·473	2·447	2·403	2·379	2·335	2·350	2·322	2·5052
2·430	2·451	2·463	2·483	2·499	2·504	2·519	2·527	2·525	2·530	2·537	2·562	2·4340
2·621	2·635	2·635	2·643	2 644	2·652	2·659	2·638	2·632	2·629	2·626	2·622	2·6268
2·435	2·404	2·391	2·371	2·355	2·441	2·329	2·312	2·308	2·320	2·312	2·316	2·4556
2·335	2·348	2·348	2·363	2·363	2·374	2·374	2·372	2·373	2·369	2·373	2·383	2·3534
2·442	2·459	2·481	2·506	2·511	2·525	—	—	—	—	—	—	
—	—	—	—	—	—	2·639	2·634	2·632	2·612	2·621	2·633	2·4955
2·583	2·593	2·609	2·633	2·633	2·635	2·640	2·640	2·638	2·643	2·643	2·654	2·6186
2·575	2·569	2·570	2·570	2·563	2·560	2·562	2·559	2·560	2·566	2·567	2 603	2·5936
2·598	2·594	2·584	2·585	2·569	2·573	2·573	2·571	2 551	2·525	2·541	2·551	2 5932
2·584	2·582	2·595	2·612	2·624	2·626	2·629	2·624	2·625	2·621	2·622	2·633	2·5986
2·694	2·684	2·708	2·713	2·725	2·727	2·728	2·732	2·733	2·729	2·788	2·751	2·7051
2·739	2·735	2·754	2·761	2·753	2·757	—	—	—	—	—	—	
—	—	—	—	—	—	2·752	2·753	2·754	2·755	2·763	2·771	2·7649
2·621	2·613	2·633	2·625	2·637	2·628	2·622	2·615	2·609	2·590	2·590	2·595	2·6656
2·450	2·450	2·434	2·428	2·418	2·406	2·394	2·373	2·367	2·361	2·359	2·365	2·4706
2·316	2·338	2·364	2·408	2·402	2·407	2·416	2·426	2·435	2·436	2·446	2·460	2·3854
2·5124	2·5154	2·5197	2·5303	2·5307	2·5377	2·5414	2·5373	2·5349	2·5311	2·5364	2·5430	2·5368
2·541	2·566	2·488	2·598	2·604	2·617	2·635	2·643	2·658	2·651	2·667	2·700	2·5665
2·725	2·725	2·761	2·753	2·746	2·739	2·728	2·711	2·702	2·702	2·694	2·689	2·7314
2·427	2·427	2·427	2·407	2·404	2·394	—	—	—	—	—	—	
—	—	—	—	—	—	2·556	2·557	2·558	2·566	2·567	2·565	2·5361
2·456	2·442	2·443	2·449	2·420	2·399	2·379	2·367	2·355	2·349	2·337	2·328	2·4615
2·466	2·488	2·508	2·528	2·523	2·540	2·533	2·527	2·520	2·521	2·528	2·530	2·4464
2·525	2·535	2·534	2·534	2·544	2·541	2·545	2·551	2·520	2·502	2·502	2·503	2·5316
2·538	2·538	2·532	2·515	2.510	2·592	2·475	2·441	2·371	2·363	2·337	2·305	2·5025
2·250	2·280	2·312	2·340	2·354	2·389	2·391	2·414	2·415	2·437	2·448	2·462	2·3065
2·525	2·533	2·544	2·558	2·578	2·591	—	—	—	—	—	—	
—	—	—	—	—	—	2·691	2·704	2·706	2·706	2·703	2·719	2·5675
2·696	2·682	2·683	2·683	2·689	2·691	2·697	2·696	2·696	2·690	2·691	2·690	2·7086
2·635	2·641	2·648	2·638	2·637	2·638	2·646	2·642	2·648	2·627	2·625	2·629	2·6591
2·661	2·661	2·663	2·669	2·669	2·673	2·673	2·664	2·656	2·657	2·667	2·685	2·6653
2·620	2·614	2·649	2·639	2·629	2·626	2·614	2·610	2·609	2·599	2·589	2·593	2·6478
2·496	2·496	2·498	2·514	2·505	2·507	2·517	2·514	2·536	2·542	2·567	2·609	2·5428
2·651	2·656	2·670	2·679	2·673	2·684	—	—	—	—	—	—	
—	—	—	—	—	—	2·610	2·577	2·503	2·570	2·562	2·562	2·6246
2·394	2·610	2·641	2·661	2·653	2·646	2·661	2·666	2·666	2·662	2·663	2·663	2·6110
2·803	2·826	2·840	2·839	2·844	2·851	2·859	2·846	2·860	2·863	2·870	2·879	2·8111
2·815	2·797	2·797	2·795	2·766	2·750	2·747	2·711	2·684	2·647	2·629	2·581	2·8076
2·245	2·232	2·219	2·213	2·203	2·195	2·181	2·165	2·147	2·125	2·133	2·157	2·2860
2·202	2·220	2·243	2·243	2·281	2·226	2·230	2·216	2·198	2·192	2·185	2·177	2·1932
2·179	2·177	2·190	2·198	2·188	2·185	—	—	—	—	—	—	
—	—	—	—	—	—	2·279	2·275	2·276	2·286	2.293	2·295	2·1932
2·365	2·369	2·373	2·376	2·376	2·374	2·369	2·361	2·356	2·358	2·358	2·366	2·3502
2·375	2·385	2·392	2·366	2·366	2·377	2·377	2·380	2·378	2·385	2·373	2·373	2·3746
2·384	2·390	2·404	2·415	2·409	2·406	2·410	2·397	2·401	2·411	2·425	2·442	2·3928
2·552	2·566	2·580	2·588	2·591	2·595	2·596	2·605	2·614	2·612	2·617	2 619	2·5502
2·553	2·560	2·572	2·564	2·562	2·566	2·566	2·566	2·568	2·570	2·576	2·581	2·5917
2·631	2·646	2·653	2·664	2·669	2·673	—	—	—	—	—	—	
—	—	—	—	—	—	2·617	2·601	2·577	2·577	2·567	2·575	2·6204
2·5152	2·5208	2·5283	2·5343	2·5331	2·5357	2·5401	2·5336	2·5251	2·5248	2·5249	2·5288	2·5289

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
SEPTEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2	2·567	2·537	2·527	2·500	2·494	2·478	2·443	2·413	2·376	2·356	2·345	2·334	2·368	2·4
	3	2·578	2·598	2·602	2·613	2·620	2·613	2·609	2·601	2·592	2·579	2·580	2·594	2·603	2·6
	4	2·731	2·756	2·763	2·768	2·778	2·775	2·773	2·787	2·793	2·792	2·793	2·713	2·824	2·8
	5	2·934	2·954	2·960	2·968	2·967	2·958	2·927	2·929	2·916	2·904	2·898	2·897	2·877	2·8
	6	2·922	2·924	2·930	2·941	2·945	2·937	2·920	2·909	2·893	2·879	2·869	2·867	2·861	2·8
	7	2·843	2·843	2·842	2·849	2·828	2·825	2·811	2·801	2·794	2·769	2·748	2·749	2·722	2·7
	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	2·641	2·659	2·663	2·672	2·694	2·682	2·687	2·675	2·667	2·671	2·667	2·668	2·674	2·6
	10	2·751	2·761	2·757	2·769	2·777	2·779	2·752	2·749	2·737	2·722	2·715	2·705	2·700	2·7
	11	2·671	2·671	2·671	2·679	2·685	2·659	2·659	2·651	2·640	2·640	2·623	2·627	2·635	2·6
	12	2·690	2·705	2·705	2·711	2·710	2·696	2·682	2·667	2·653	2·644	2·637	2·636	2·640	2·6
	13	2·705	2·725	2·732	2·743	2·741	2·742	2·723	2·710	2·700	2·688	2·688	2·674	2·674	2·6
	14	2·752	2·757	2·759	2·763	2·761	2·762	2·745	2·728	2·714	2·702	2·695	2·699	2·696	2·7
	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	2·803	2·819	2·819	2·824	2·818	2·809	2·796	2·769	2·755	2·738	2·729	2·734	2·735	2·7
	17	2·730	2·732	2·732	2·731	2·718	2·716	2·693	2·670	2·646	2·631	2·626	2·619	2·612	2·6
	18	2·683	2·697	2·691	2·703	2·704	2·694	2·682	2·662	2·651	2·645	2·631	2·619	2·614	2·6
	19	2·650	2·655	2·646	2·637	2·620	2·609	2·588	2·569	2·546	2·544	2·543	2·545	2·553	2·5
	20	2·622	2·622	2·615	2·614	2·610	2·599	2·576	2·559	2·530	2·507	2·492	2·484	2·484	2·4
	21	2·293	2·305	2·293	2·292	2·323	2·349	2·391	2·413	2·439	2·478	2·507	2·553	2·607	2·6
	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	2·879	2·885	2·886	2·895	2·893	2·878	2·868	2·856	2·837	2·833	2·827	2·830	2·830	2·8
	24	2·769	2·789	2·785	2·789	2·798	2·796	2·791	2·785	2·784	2·784	2·789	2·793	2·797	2·8
	25	2·851	2·831	2·861	2·865	2·865	2·857	2·857	2·857	2·849	2·846	2·848	2·856	2·858	2·8
	26	2·946	2·960	2·968	2·977	2·982	2·995	2·995	2·986	2·976	2·975	2·975	2·979	2·991	3·0
	27	3·107	3·112	3·118	3·123	3·104	3·100	3·094	3·057	3·055	3·040	3·015	3·009	2·999	2·9
	28	2·858	2·844	2·824	2·810	2·780	2·749	2·718	2·697	2·662	2·621	2·607	2·591	2·563	2·5
	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	2·488	2·510	2·534	2·550	2·559	2·589	2·600	2·614	2·659	2·687	2·724	2·776	2·824	2·8
Hourly Means		2·7386	2·7460	2·7473	2·7514	2·7510	2·7458	2·7352	2·7246	2·7146	2·7070	2·7028	2·7065	2·7090	2·7
OCTOBER.	1	3·035	3·045	3·071	3·078	3·090	3·081	3·064	3·047	3·019	3·016	3·014	3·004	2·996	2·9
	2	2·887	2·871	2·872	2·838	2·817	2·797	2·765	2·728	2·708	2·667	2·650	2·630	2·605	2·5
	3	2·384	2·384	2·384	2·384	2·360	2·351	2·336	2·318	2·305	2·291	2·306	2·304	2·318	2·3
	4	2·302	2·304	2·308	2·306	2·307	2·305	2·292	2·280	2·280	2·276	2·282	2·287	2·293	2·3
	5	2·355	2·385	2·397	2·417	2·435	2·440	2·447	2·447	2·459	2·479	2·493	2·511	2·527	2·5
	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	2·695	2·717	2·731	2·740	2·732	2·730	2·721	2·717	2·724	2·708	2·706	2·706	2·715	2·7
	8	2·725	2·727	2·725	2·719	2·702	2·675	2·624	2·597	2·574	2·555	2·543	2·524	2·530	2·5
	9	2·567	2·587	2·594	2·617	2·628	2·611	2·604	2·597	2·591	2·584	2·576	2·573	2·571	2·5
	10	2·356	2·362	2·364	2·410	2·440	2·462	2·472	2·474	2·480	2·506	2·524	2·560	2·592	2·6
	11	2·742	2·764	2·788	2·803	2·808	2·814	2·811	2·805	2·799	2·796	2·809	2·824	2·824	2·8
	12	2·962	2·962	2·990	3·005	3·012	3·010	2·993	2·967	2·951	2·928	2·926	2·927	2·929	2·9
	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	2·555	2·556	2·543	2·534	2·505	2·482	2·456	2·412	2·396	2·374	2·352	2·350	2·339	2·3
	15	2·125	2·118	2·100	2·090	2·069	2·058	2·028	2·008	2·002	2·000	2·006	2·018	2·042	2·0
	16	2·287	2·317	2·355	2·375	2·394	2·434	2·461	2·464	2·484	2·516	2·542	2·582	2·614	2·6
	17	2·732	2·752	2·748	2·748	2·750	2·716	2·698	2·688	2·688	2·684	2·690	2·698	2·702	2·7
	18	2·810	2·837	2·825	2·799	2·788	2·760	2·702	2·654	2·614	2·570	2·516	2·459	2·380	2·3
	19	2·358	2·391	2·401	2·415	2·404	2·416	2·427	2·439	2·476	2·564	2·596	2·625	2·648	2·6
	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	2·965	2·963	2·963	2·955	2·929	2·917	2·904	2·886	2·865	2·865	2·866	2·872	2·868	2·8
	22	2·992	3·010	3·032	3·040	3·038	3·028	3·009	2·980	2·966	2·960	2·961	2·961	2·965	2·9
	23	2·964	2·977	2·986	2·983	2·983	2·976	2·966	2·937	2·914	2·907	2·896	2·905	2·895	2·9
	24	2·895	2·899	2·901	2·900	2·891	2·886	2·876	2·853	2·834	2·830	2·823	2·865	2·791	2·7
	25	2·659	2·665	2·649	2·648	2·638	2·625	2·595	2·590	2·588	2·597	2·620	2·647	2·694	2·7
	26	2·823	2·805	2·821	2·802	2·786	2·773	2·749	2·717	2·709	2·689	2·689	2·663	2·674	2·7
	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	2·485	2·477	2·460	2·438	2·422	2·410	2·406	2·388	2·396	2·396	2·412	2·418	2·428	2·4
	29	2·428	2·428	2·433	2·423	2·428	2·417	2·409	2·405	2·411	2·420	2·429	2·440	2·452	2·4
	30	2·561	2·581	2·593	2·611	2·621	2·629	2·624	2·626	2·640	2·659	2·663	2·709	2·729	2·7
	31	2·846	2·868	2·886	2·894	2·894	2·887	2·874	2·862	2·849	2·842	2·831	2·840	2·844	2·8
Hourly Means		2·6480	2·6575	2·6637	2·6656	2·6619	2·6552	2·6412	2·6254	2·6197	2·6177	2·6201	2·6243	2·6284	2·6

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2·356	2·345	2·354	2·368	2·436	2·465	2·491	2·500	2·501	2·510	2·517	2·537	2·546	2·548	2·564	2·4739
2·579	2·580	2·594	2·603	2·613	2 628	2·642	2·639	2·640	2·643	2·641	2·642	2·641	2·677	2·704	2·6205
2·792	2·793	2·813	2·824	2·831	2·854	2·861	2·872	2·877	2·888	2·870	2·885	2·902	2·912	2·914	2·8259
2·904	2·898	2·907	2·877	2·869	2·872	2·873	2·865	2·866	2·870	2·867	2·869	2·880	2·882	2·902	2·9043
2·879	2·869	2·887	2·861	2·861	2·855	2·866	2·853	2·847	2 841	2·840	2·846	2·837	2·831	2·828	2·8792
2·769	2·748	2·746	2·722	2·712	2·720	2·721	2·722	2·723	—	—	—	—	—	—	2·7439
—	—	—	—	—	—	—	—	—	2·655	2·643	2·639	2·639	2·620	2·629	
2·671	2·667	2·668	2·674	2 689	2·693	2·708	2·708	2·717	2·745	2·734	2·728	2·724	2·720	2·743	2·6928
2·722	2·715	2·705	2·700	2·704	2·710	2·705	2·702	2·697	2·679	2·665	2·663	2·663	2·661	2·661	2·7160
2·640	2·623	2·625	2·635	2·641	2·653	2·669	2·679	2·679	2·699	2·679	2·671	2·672	2·680	2·696	2 6637
2·644	2·637	2·636	2·640	2·644	2·652	2·660	2·653	2·653	2·655	2·655	2·658	2·666	2·675	2·677	2·6677
2·688	2·688	2·674	2·674	2·688	2·698	2·708	2·716	2·721	2·712	2·712	2·707	2·708	2·719	2·731	2·7110
2·702	2·695	2·699	2·696	2·704	2·717	2·735	2·747	2·757	—	—	—	—	—	—	2·7440
—	—	—	—	—	—	—	—	—	2·789	2·778	2·776	2·772	2·770	2·782	
2·738	2·729	2·734	2·735	2·745	2·746	2·747	2·742	2·735	2·739	2·735	2·738	2·734	2·718	2·719	2·7598
2·631	2 626	2·619	2·612	2·605	2·618	2·607	2·618	2·620	2·621	2·621	2·622	2·639	2·650	2·668	2·6560
2·645	2·631	2·619	2·614	2·620	2·620	2·617	2·619	2·622	2·618	2·616	2·619	2·620	2·625	2·628	2·6458
2·544	2·543	2·545	2·553	2·583	2·595	2·598	2·601	2·603	2·599	2·604	2·607	2·600	2·600	2·611	2·5961
2·507	2·492	2·484	2·484	2·482	2·465	2·455	2·446	2·438	2·417	2·393	2·372	2·355	2·335	2·311	2·5326
2·478	2·507	2·553	2·607	2·639	2·681	2·700	2·725	2·742	—	—	—	—	—	—	2·5791
—	—	—	—	—	—	—	—	—	2·853	2·868	2·870	2·858	2·857	2·863	
2·833	2·827	2·830	2·830	2·833	2·822	2·808	2·798	2·787	2·783	2·774	2·761	2·750	2·754	2·765	2·8263
2·784	2·789	2·793	2·797	2·806	2·820	2·821	2·827	2·827	2·823	2 834	2·841	2·849	2·838	2·826	2·8067
2·846	2·848	2·856	2·858	2 864	2·878	2·888	2·893	2·889	2·893	2·897	2·896	2·899	2·912	2·921	2 8721
2·975	2·975	2·979	2·991	3·011	2 026	3·032	3·038	3·061	3·067	3·079	3·076	3·070	3·072	3·089	3·0136
3·040	3·015	3·009	2·999	2 997	2·997	3·006	2·983	2·958	2·946	2·937	2·915	2·896	2·872	2·867	3·0128
2 621	2·607	2·591	2·563	2·549	2·539	2·519	2·505	2·487	—	—	—	—	—	—	2·5566
—	—	—	—	—	—	—	—	—	2·359	2·375	2·395	2·413	2·430	2.464	
2·687	2·724	2·776	2·824	2·854	2·890	2·904	2·909	2 921	2·930	2·932	2·954	2·988	3·004	3·018	2·7674
2·7070	2·7028	2·7065	2·7096	2·7192	2·7286	2·7336	2·7344	2·7347	2·7334	2·7310	2·7315	2·7324	2·7348	2·7432	2·7307
3·016	3·014	3·004	2·996	2·986	2·984	2·986	2·976	2·968	2·951	2·939	2·932	2·916	2·912	2·886	3·0092
2·667	2·630	2·630	2·606	2·574	2·550	2·522	2·507	2·451	2·422	—	2·404	2·386	2·364	2·382	2·6260
2·291	2·306	2·364	2·318	2·304	2·324	2·309	2·320	2·300	2·301	2 295	2·288	2·288	2·282	2·291	2·3220
2·276	2·282	2·287	2·293	2·297	2·293	2·286	2·295	2·296	2·298	2·304	2·309	2·312	2·318	2·338	2·2987
2·479	2·493	2·511	2·527	2·537	2·553	2·569	2·581	2·595	—	—	—	—	—	—	2·5257
—	—	—	—	—	—	—	—	—	2·652	2·655	2·662	2·671	2·675	2·676	
2 708	2·706	2·708	2·715	2·714	2·715	2·728	2·722	2·725	2·719	2·716	2·709	2·701	2·716	2·715	2·7177
2·555	2·543	2·524	2·530	2·531	2·513	2·503	2·501	2·492	2·496	2·504	2·505	2·513	2·537	2·543	2·5774
2·584	2·576	2·573	2·571	2·566	2·563	2·544	2 526	2·499	2·470	2·448	2·420	2·403	2·380	2·365	2·5367
2·506	2·524	2·560	2·592	2 612	2·624	2·647	2·654	2·659	2·659	2·671	2·683	2·689	2·715	2·727	2·5555
2·796	2·809	2·824	2·824	2·840	2·863	2·878	2·898	2·907	2·913	2·914	2 924	2·924	2·941	2·952	2·8475
2·928	2·926	2·927	2·929	2·927	2·922	2·918	2·926	2·926	—	—	—	—	—	—	2·8689
—	—	—	—	—	—	—	—	—	2·662	2·646	2·625	2·613	2·563	2·563	
2·374	2·352	2·330	2·339	2·319	2·303	2·283	2·267	2·239	2·231	2·205	2·189	2·161	2·151	2·141	2·3476
2·000	2·006	2·018	2·042	2·051	2·065	2·096	2·104	2·121	2·149	2·169	2·183	2·209	2·225	2·254	2·0954
2·516	2·542	2·582	2·614	2·644	2·666	2·682	2·691	2·701	2·714	2·721	2·731	2·737	2·733	2·731	2·5657
2·684	2·690	2·698	2·702	2·714	2·739	2·759	2·767	2·759	2·763	2·771	2·778	2·788	2·801	2·826	2·7400
2·570	2·516	2·450	2·380	2·286	2·196	2·083	1·977	1·868	1·864	1·964	2·020	2·112	2·247	2·322	2·4018
2·564	2·596	2·625	2·648	2·671	2·711	2·729	2·741	2·774	—	—	—	—	—	—	2·6627
—	—	—	—	—	—	—	—	—	3·079	3·055	3·031	2·999	2·983	2·973	
2·865	2·866	2·872	2·868	2·899	2·912	2·966	2·984	2·983	2·992	2·984	2·996	2·998	2·998	2·992	2·9384
2·960	2·961	2·961	2·965	2·965	2·960	2·953	2·954	2 952	2·944	2·939	2·939	2·943	2·957	2·960	2·9753
2·907	2·896	2·903	2·895	2·897	2·887	2·871	2·867	2·864	2·870	2·869	2·885	2·887	2·892	2·894	2·9155
2·830	2·823	2·805	2·791	2·781	2·756	2·738	2·735	2·727	2·725	2·725	2·718	2·710	2·690	2·667	2·7982
2·597	2·620	2·647	2·694	2·736	2·782	2·805	2·833	2·844	2·858	2·853	2·854	2·848	2·845	2·829	2·7209
2·689	2·689	2·693	2·674	2·689	2·670	2·680	2·691	2·695	—	—	—	—	—	—	2·6885
—	—	—	—	—	—	—	—	—	2·631	2·593	2·573	2·563	2·516	2·503	
2·396	2·412	2·418	2·428	2·433	2·447	2·461	2·441	2·441	2·441	2·447	2·444	2·426	2·428	2·432	2·4324
2·420	2·429	2·440	2·452	2·465	2·467	2·483	2·479	2·481	2·487	2·487	2·486	2·497	2·513	2·543	2·4546
2·659	2·683	2·709	2·729	2·753	2·767	2·771	2·789	2·793	2·805	2·816	2·828	2·828	2·842	2·843	2·7125
2·842	2·831	2·840	2·844	2·836	2·827	2·822	2·816	2·817	—	2·812	2·813	2·815	2·810	2·798	2·8428
2·6177	2·6201	2·6243	2·6284	2·6306	2·6318	2·6323	2·6312	2·6251	2·6191	2·6347	2·6270	2·6269	2·6309	2·6350	2·6356

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

Hours of Mean Göttingen Time.		0	1	2	3	4	5	6	7	8	9	10	11
Hours of Mean Toronto Time.		18	19	20	21	22	23	0	1	2	3	4	5
NOVEMBER.	1	2·789	2·775	2·748	2·743	2·740	2·737	2·714	2·690	2·669	2·666	2·660	2·656
	2	2·823	2·871	2·887	2.900	2·900	2·893	2·892	2·875	2·875	2·876	2·876	2·899
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	2·745	2·769	2·795	2·783	2·773	2·759	2·730	2·706	2·696	2·691	2·660	2·632
	5	2·504	2·517	2·533	2·528	2·528	2·535	2·513	2·485	2·481	2·481	2·492	2·508
	6	2·450	2·464	2·464	2·446	2·460	2·429	2·409	2·399	2·379	2·372	2·359	2·359
	7	2·131	2·129	2·131	2·125	2·118	2·104	2·080	2·056	2·046	2·046	2·046	2·060
	8	2·331	2·359	2·395	2·401	2·407	2·403	2·395	2·383	2·386	2·402	2·403	2·413
	9	2·559	2·579	2·585	2·605	2·607	2·617	2·621	2·621	2·632	2·648	2·664	2·664
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	2·540	2·552	2·566	2·580	2·582	2·586	2·584	2·568	2·584	2·607	2·606	2·638
	12	2·423	2·405	2·467	2·313	2·300	2·275	2·233	2·227	2·181	2·159	2·158	2·150
	13	2·480	2·511	2·525	2·540	2·561	2·561	2·556	2·546	2·550	2·562	2·580	2·606
	14	2·763	2·788	2·814	2·842	2·859	2·859	2·849	2·848	2·858	2·872	2·878	2·886
	15	2·812	2·802	2·834	2·822	2·818	2·810	2·784	2·784	2·770	2·766	2·778	2·793
	16	2·859	2·867	2 873	2·877	2·886	2·874	2·872	2·865	2·868	2·858	2·859	2·864
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	2·519	2·556	2·596	2·618	2·636	2·640	2·636	2·636	2·656	2·686	2·744	2·770
	19	2·849	2·852	2·844	2·823	2·819	2·779	2·740	2·718	2·679	2·664	2·654	2·662
	20	2·652	2·644	2·661	2 676	2·681	2·670	2·638	2·635	2·629	2·630	2·636	2·646
	21	2·760	2·776	2·776	2·772	2·755	2·753	2·695	2·660	2·660	2·633	2·634	2·643
	22	2·573	2·563	2·533	2·523	2·484	2·458	2·416	2·380	2·352	2·332	2·330	2·326
	23	2·150	2·150	2·133	2·119	2·099	2·065	2·077	2·060	2·052	2·076	2·099	2·100
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	2·736	2·776	2·798	2·805	2·839	2·851	2·850	2·864	2·890	2·911	2·926	2·937
	26	2·780	2·730	2·674	2·618	2·555	2·486	2·398	2·303	2·253	2·217	2·218	2·218
	27	2·777	2·839	2·876	2·928	2·955	2·963	2·954	2·935	2·933	2·941	2·956	2·956
	28	2·719	2·699	2·668	2·646	2·640	2·612	2·583	2·579	2·571	2·575	2·585	2·588
	29	2·731	2·746	2·762	2·771	2·791	2·798	2·776	2·757	2·709	2·759	2·756	2·770
	30	2·671	2·679	2·683	2·677	2·679	2·671	2·671	2·641	2·626	2·613	2·628	2·624
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		2·6205	2·6307	2·6393	2·6342	2·6335	2·6226	2·6025	2·5862	2·5787	2·5786	2·5840	2·5907
DECEMBER.	2	2·959	2·987	3·015	3·033	3·072	3·083	3·081	3·092	3·106	3·117	3·127	3·140
	3	2·970	2·972	2·971	2·964	2·958	2·927	2·906	2·881	2·867	2 854	2·850	2·839
	4	2·688	2·706	2·682	2·692	2·682	2·667	2·654	2·623	2·611	2·618	2·617	2·639
	5	2·727	2·759	2·793	2·806	2·761	2·750	2·767	2·745	2·727	2·717	2·727	2·719
	6	2·751	2·796	2·850	2·845	2·855	2 837	2·811	2·768	2·733	2·724	2·706	2·669
	7	2·041	2·007	2·003	1·987	2·006	2·008	1·994	1·997	2·007	2·044	2·064	2·063
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	2·819	2·813	2·801	2·809	2·796	2·762	2·724	2·696	2·689	2·683	2·673	2·676
	10	2·770	2·802	2·820	2·834	2·854	2·854	2·852	2·856	2·865	2·874	2 881	2·902
	11	2·904	2·903	2·915	2·935	2·935	2·924	2·905	2·883	2·861	2·840	2·840	2·817
	12	2·654	2·646	2·646	2·639	2·628	2·607	2·562	2·535	2·513	2·496	2·488	2·479
	13	2·320	2·312	2·319	2·306	2·307	2·285	2·262	2·250	2·242	2·250	2·264	2·272
	14	2·310	2·324	2·322	2·318	2·325	2·303	2·294	2·278	2·270	2·288	2·296	2·309
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	2·381	2·394	2·402	2·410	2·420	2·420	2·412	2·403	2·401	2·398	2·418	2·440
	17	2·480	2·504	2·506	2·507	2·512	2·496	2·464	2·447	2·438	2·433	2·429	2 431
	18	2·609	2·615	2·609	2·606	2·607	2·576	2·537	2·519	2·502	2·507	2·510	2·503
	19	2·558	2·571	2·583	2·594	2·605	2·605	2·579	2·578	2·580	2·595	2·607	2·638
	20	2·831	2·838	2·840	2·848	2·864	2·852	2·833	2·816	2·810	2·795	2·805	2·797
	21	2·496	2·456	2·446	2·420	2·389	2·343	2·261	2·200	2·156	2·132	2·129	2·128
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	1·975	1·987	1·975	1·970	1·996	1·996	1·980	1·974	1·996	2·032	2·065	2·103
	24	2·376	2·387	2·403	2·459	2·463	2·457	2·452	2·447	2·448	2·466	2·463	2·486
	25*	—	—	—	—	—	—	—	—	—	—	—	—
	26	2·246	2·251	2·259	2·249	2·258	2·228	2·236	2·254	2·297	3·327	2·369	2·423
	27	2·628	2 637	2·655	2·694	2·686	2·671	2·659	2·637	2·644	2·643	2·649	2·637
	28	2·515	2·508	2·510	2·510	2·506	2·491	2·478	2·475	2·472	2·502	2·521	2·531
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	2·111	2·080	2·063	2·054	2·083	2·107	2·143	2·169	2·196	2·234	2·276	2·294
	31	2·694	2·699	2·706	2·716	2·704	2·665	2·638	2·614	2·602	2·580	2·553	2·513
Hourly Means		2·5525	2·5582	2·5638	2·5682	2·5709	2·5566	2·5304	2·5255	2·5213	2·5260	2·5339	2·5376

* Christmas Day.

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English inches + the numbers in the Table.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
2·676	2·681	2·687	2·688	2·703	2·729	2·745	2·765	2·771	2·773	2·803	2·804	2·7255
2·869	2·870	2·858	2·860	2·840	2·837	—	—	—	—	—	—	
—	—	—	—	—	—	2·675	2·691	2·705	2·717	2·725	2·739	2·8301
2·627	2·613	2·613	2·597	2·581	2·563	2·553	2·531	2·525	2·515	2·506	2·504	2·6445
2·516	2·516	2·513	2·501	2·472	2·472	2·473	2·471	2·477	2·470	2·458	2·456	2·4957
2·370	2·363	2·357	2·342	2·304	2·293	2·261	2·218	2·200	2·169	2·159	2·155	2·3411
2·070	2·076	2·094	2·098	2·122	2·138	2·162	2·196	2·242	2·258	2·292	2·301	2·1296
2·427	2·427	2·443	2·463	2·471	2·471	2·474	2·474	2·475	2·497	2·510	2·536	2·4313
2·697	2·699	2·697	2·699	2·696	2·712	—	—	—	—	—	—	
—	—	—	—	—	—	2·509	2·509	2·519	2·513	2·515	2·527	2·6132
2·638	2·642	2·638	2·630	2·630	2·618	2·612	2·579	2·565	2·527	2·485	2·455	2·5838
2·176	2·180	2·223	2·303	2·300	2·522	2·303	2·341	2·383	2·405	2·414	2·454	2·2965
2·620	2·635	2·632	2·634	2·646	2·651	2·671	2·681	2·704	3·711	2·723	2·753	2·6103
2·880	2·873	2·867	2·881	2·858	2·852	2·844	2·840	2·833	2·837	2·837	2·828	2·8475
2·788	2·793	2·797	2·802	2·800	2·799	2·807	2·822	2·830	2·836	2·852	2·852	2·8059
2·858	2·856	2·854	2·854	2·853	2·845	—	—	—	—	—	—	
—	—	—	—	—	—	2·427	2·447	2·483	2·506	2·518	2·519	2·7684
2·802	2·831	2·840	2·864	2·874	2·872	2·890	2·882	2·882	2 876	2·861	2·861	2·7512
2·672	2·678	2·670	2·656	2·642	2·638	2·642	2·646	2·644	2 640	2·634	2·644	2·7037
2·652	2·683	2·683	2·711	2·722	2·725	2·730	2·735	2·752	2·741	2·735	2·751	2·6841
2·653	2·661	2·650	2·655	2·636	2·652	2·650	2·653	2 651	2·631	2·603	2·581	2·6755
2·326	2·334	2·330	2·318	2·306	2·276	2·270	2.256	2·236	2·206	2·196	2·150	2·3531
2·102	2·123	2·149	2·172	2·219	2·231	—	—	—	—	—	—	
—	—	—	—	—	—	2 636	2·646	2·656	2·662	2·694	2·727	2·2582
2·972	2·978	2·975	2·954	2·961	2 948	2·940	2·924	2·898	2·890	2·800	2·820	2·8860
2·223	2·270	2·304	2·385	2 404	2·437	2·484	2·547	2·624	2·654	2·692	2·726	2·4667
2·972	2·973	2·973	2·961	2 949	2·826	2·910	2·887	2·881	2·809	2·755	2·731	2·9017
2·598	2·614	2·641	2·631	2·643	2·667	2·681	2·677	2·687	2 699	2·714	2·719	2·6432
2·753	2·768	2·758	2·761	2·740	2·732	2·719	2·693	2·689	2 678	2·672	2·669	2·7422
2·634	2·622	2·620	2·612	2·602	2 601	—	—	—	—	—	—	
—	—	—	—	—	—	2·757	2·814	2·858	2·910	2·923	2·929	2·6977
2·5093	2·6061	2·6102	2·6151	2·6146	2·6118	2·6110	2·6125	2·6219	2·6204	2·6183	2·6220	2·6110
3·131	3·125	3 117	3·093	3·099	3·081	3·077	3·046	3·045	3·030	2·994	2·972	3·0676
2·827	2·798	2·799	2·791	2·781	2·744	2·731	2·725	2·720	2·710	2·704	2·668	2·8316
2·639	2·655	2·669	2·665	2·687	2·687	2·704	2·731	2·763	2·773	2·769	2·743	2·6818
2·726	2·729	2·747	2·776	2·785	2·795	2·805	2·793	2·809	2·840	2·825	2·829	2·7690
2·656	2·620	2·584	2·536	2·504	2·462	2·413	2·373	2·313	2·182	2 178	2·111	2·5949
2·082	2·100	2·169	2·256	2·377	2·443	—	—	—	—	—	—	
—	—	—	—	—	—	2·935	2·911	2·901	2·878	2·850	2·829	2·2900
2·677	2·679	2·682	2·690	2·696	2·700	2·700	2·694	2·687	2·709	2·724	2·742	2·7217
2·916	2·920	2·923	2·925	2·926	2·930	2·936	2·936	2·944	2·940	2·930	2·916	2·8878
2·603	2·790	2·776	2 768	2·744	2·727	2·711	2·694	2·708	2·698	2·676	2·668	2·8094
2·477	2·469	2·446	2·426	2·420	2·406	2·391	2·379	2·373	2·365	2·333	2·325	2·4876
2·271	2·275	2·271	2·278	2·280	2·284	2·293	2·280	2·296	2·304	2·295	2·294	2·2838
2·328	2·332	2·354	2·350	2·344	2 350	—	—	—	—	—	—	
—	—	—	—	—	—	2·416	2·407	2·405	2·391	2·377	2·378	2·3362
2·446	2·455	2·455	2·457	2·458	2·454	2·447	2·458	2·466	2·480	2·480	2·462	2·4340
2·417	2·439	2·457	2·478	2 488	2·502	2·507	2·521	2·560	2·576	2·583	2·614	2·4912
2·510	2·535	2·540	2·540	2·543	2·547	2·545	2·538	2·556	2·556	2·541	2·552	2·5502
2·651	2·672	2 686	2·706	2·737	2·749	2·750	2·778	2·797	2·807	2·804	2·812	2·6684
2·771	2·761	2·738	2·709	2·707	2 683	2·655	2·639	2 613	2·598	2·531	2·512	2·7436
2·109	2·102	2·096	2·086	2·090	2·098	—	—	—	—	—	—	
—	—	—	—	—	—	2·011	2 002	2·034	2·019	1·997	1·985	2·1744
2·135	2·160	2·194	2·227	2·253	2·277	2·295	2·308	2·342	2·342	2·354	2·354	2·1371
2·502	2 515	2·527	2·533	2·547	2·561	—	—	—	—	—	—	
—	—	—	—	—	—	2·294	2·293	2·293	2·286	2·270	2 242	2·4238
2·473	2·504	2·517	2·526	2·548	2·562	2·577	2·578	2·591	2·599	2·584	2·601	2·4199
2·637	2·645	2·625	2·605	2·600	2·596	2·583	2·592	2·583	2·567	2·544	2·522	2·6225
2·539	2·537	2·545	2·551	2 549	2·549	—	—	—	—	—	—	
—	—	—	—	—	—	2·434	2·378	2·334	2·282	2·008	2·149	2·4614
2·336	2·378	2·394	2·430	2·464	2 496	2·438	2·374	2·624	2·652	2·664	2·675	2·3306
2·488	2·456	2·422	2·362	2·326	2·284	2·270	2·274	2·313	2·334	2·342	2·352	2·4961
2·5419	2·5461	2·5494	2·5506	2·5581	2 5587	2·5567	2·5561	2·5628	2·5567	2·5423	2·5331	2·5486

STANDARD THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
JANUARY.	1	° 23·8	° 24·0	° 24·4	° 25·2	° 25·2	° 26·2	° 27·6	° 28·5	° 29·6	° 31·1	° 28·7	26·3
	2	28·0	29·4	30·2	31·2	31·2	32·1	32·7	32·4	33·3	33·3	33·3	34·1
	3	36·4	36·4	36·8	37·0	36·6	35·6	35·4	35·5	34·1	33·6	33·3	33·1
	4	30·0	27·4	26·0	24·8	23·8	23·8	23·2	23·0	23·5	23·5	23·7	23·4
	5	21·0	20·6	19·8	20·2	21·0	21·6	23·2	23·3	24·8	25·2	24·5	22·0
	6	23·6	24·4	24·8	25·6	20·4	26·8	27·6	29·0	28·7	28·5	28·7	29·1
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	12·6	13·6	14·6	15·2	16·5	18·6	19·0	19·4	20·2	19·6	19·2	18·5
	9	15·4	16·6	20·4	21·4	21·8	22·4	22·8	22·6	22·7	22·9	23·8	24·7
	10	26·6	26·0	25·8	26·4	26·7	27·8	29·0	28·1	27·7	26·7	25·4	24·8
	11	3·6	0·6	3·8	7·8	12·0	16·2	19·4	20·5	20·8	21·1	21·2	21·8
	12	29·4	30·6	31·8	32·8	34·0	34·8	35·2	34·8	35·2	34·8	34·8	34·9
	13	37·0	36·0	36·0	34·4	31·4	31·0	31·2	31·7	33·2	32·2	31·6	30·7
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	28·6	29·8	30·2	31·0	32·0	32·4	32·6	32·5	31·9	31·3	32·4	32·4
	16	34·0	34·6	35·2	35·6	38·2	40·0	41·2	41·2	41·1	40·5	39·4	38·9
	17	31·0	30·8	30·8	30·4	30·4	30·4	30·6	30·4	30·4	29·8	30·5	28·8
	18	23·8	23·4	23·2	25·2	27·0	27·2	27·6	28·3	29·1	28·6	28·3	27·0
	19	16·8	17·0	17·0	18·0	17·4	17·0	19·4	19·9	21·4	21·3	21·0	20·6
	20	7·6	6·6	6·2	7·6	10·0	12·2	14·4	15·6	16·4	16·0	14·1	13·4
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	11·8	11·4	12·6	14·8	15·8	16·4	16·8	17·5	18·4	19·4	23·7	24·5
	23	34·6	35·4	37·0	36·8	37·8	40·0	45·0	43·5	43·5	43·4	42·8	40·6
	24	29·6	28·0	27·8	28·0	25·2	27·0	24·0	23·6	19·3	19·5	19·2	17·4
	25	− 0·6	− 1·8	− 2·8	− 3·4	− 3·0	− 0·4	0·6	1·8	3·5	5·4	5·5	3·8
	26	− 2·8	− 4·0	− 4·6	− 3·2	− 2·6	− 1·0	1·2	4·2	7·2	8·4	7·8	6·3
	27	− 5·4	− 6·0	− 5·8	− 4·6	− 2·6	0·0	3·0	5·3	7·9	9·1	8·9	5·6
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	− 1·4	− 1·8	− 2·8	− 2·2	− 0·2	2·4	3·4	4·2	5·8	6·2	5·6	5·3
	30	9·2	9·8	10·4	11·6	13·2	14·6	16·3	16·5	16·4	16·5	15·8	15·1
	31	0·9	0·6	− 0·4	0·6	3·0	5·4	8·0	10·4	12·4	13·0	13·4	12·2
Hourly Means		18·71	18·50	18·83	19·56	20·30	21·50	22·61	23·10	23·65	23·74	23·54	22·82
FEBRUARY.	1	1·2	1·2	4·8	8·4	13·4	21·8	23·2	23·8	24·2	24·5	23·6	23·8
	2	21·2	20·8	21·2	23·2	24·8	26·2	26·2	28·1	28·5	29·1	29·3	26·8
	3	23·6	22·0	18·8	20·6	22·4	23·4	24·8	25·5	26·4	26·7	24·8	23·2
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	31·4	31·4	31·8	32·4	32·8	33·7	34·2	34·9	34·9	35·3	35·0	34·2
	6	32·8	32·8	32·8	33·4	31·0	34·8	35·8	36·7	35·1	35·0	34·0	33·5
	7	19·6	19·6	20·0	21·2	24·0	26·2	27·2	28·5	28·8	29·8	27·9	26·8
	8	19·2	18·6	18·8	19·4	22·6	25·4	28·6	29·3	29·9	28·9	28·2	26·4
	9	9·6	9·2	9·2	9·8	10·4	11·6	12·8	14·7	15·8	16·4	15·5	13·7
	10	16·6	17·2	17·4	18·8	20·2	21·8	23·6	25·4	26·8	28·0	27·9	26·9
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	15·2	14·6	18·0	21·4	25·1	26·4	27·6	29·7	32·3	33·5	33·5	32·1
	13	32·6	31·8	32·8	32·8	34·2	35·2	36·6	36·8	39·2	39·0	36·4	36·5
	14	23·2	22·2	21·4	22·4	23·0	24·8	25·6	27·7	28·8	29·7	31·0	26·3
	15	25·6	25·6	26·4	29·0	30·4	31·8	31·8	31·6	32·5	31·9	31·2	32·2
	16	29·8	29·2	29·6	31·0	32·0	34·2	35·0	35·2	33·5	34·1	33·8	33·3
	17	21·4	20·4	20·2	20·4	20·1	21·2	22·4	23·5	23·2	21·9	19·1	15·7
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	25·6	26·6	27·6	29·0	30·7	32·2	33·0	35·5	37·6	39·2	39·8	37·5
	20	35·0	35·2	36·4	38·8	40·0	39·6	41·2	43·2	43·0	44·3	43·3	41·3
	21	35·4	34·2	35·4	35·8	36·3	37·6	39·6	40·8	38·3	38·3	38·4	36·8
	22	30·4	29·8	32·2	35·0	36·6	38·8	41·6	44·4	46·0	47·4	47·6	47·1
	23	32·6	32·8	33·0	33·2	33·4	32·8	31·2	30·2	30·2	29·7	28·6	27·2
	24	10·0	9·1	10·5	12·4	14·6	17·8	19·0	21·4	22·9	24·3	24·0	24·2
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	25·0	23·4	25·8	30·8	35·8	37·0	38·7	40·8	37·8	36·4	36·0	35·6
	27	31·8	31·6	31·2	31·6	31·0	30·8	31·4	32·4	33·7	34·5	35·2	33·8
	28	24·0	23·2	25·4	29·0	31·9	32·0	35·4	35·5	36·5	36·0	33·2	32·3
	29	31·6	34·4	34·8	36·0	36·2	36·6	37·8	37·7	39·7	42·1	40·4	40·2
Hourly Means		24·29	23·88	24·62	26·23	27·84	29·35	30·57	31·73	32·22	32·64	31·91	30·69

STANDARD THERMOMETER.

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
31·1	28·7	26·5	24·8	23·2	22·2	22·0	22·1	23·2	24·2	24·9	26·0	26·3	27·2	27·6	25·60
33·3	33·3	34·1	34·7	33·9	34·1	34·8	34·8	34·8	35·2	35·4	35·5	35·8	36·2	36·4	33·45
33·6	33·3	33·1	32·1	32·1	31·9	31·2	30·2	28·5	28.0	27·6	28·2	28·7	30·2	31·4	32·66
23·5	23·7	23·4	22·8	22·4	22·2	22·1	20·8	20·6	20·7	21·4	21·4	21·5	21·4	21·2	23·11
25·2	24·5	22·0	20·1	17·5	16·8	18·7	19·9	20·5	19·8	18·8	19·0	21·0	22·4	23·2	21·04
28·5	28·7	29·1	29·4	29·5	29·1	29·0	29·4	29·8	—	—	—	—	—	—	24·96
—	—	—	—	—	—	—	—	—	16·6	17·6	17·6	16·6	16·0	14·8	
19·6	19·2	18·1	19·0	18·2	17·6	16·1	15·0	15·4	13·1	10·0	12·2	12·9	13·8	14·4	16·03
22·9	23·8	24·7	23·2	25·7	25·7	25·8	25·8	25·8	26·2	20·9	27·5	28·4	27·7	27·4	23·98
26·7	25·4	24·8	22·4	19·5	19·6	20·1	20·7	18·4	16·3	14·2	10·9	12·0	10·9	6·8	21·37
21·1	21·2	21·8	21·9	22·8	23·1	24·3	24·6	25·7	26·4	27·0	27·8	27·5	27·6	28·6	19·84
34·8	34·8	34·9	34·7	34·1	35·2	36·5	36·7	37·4	37·4	37·2	37·2	39·2	40·6	39·2	35·35
32·2	31·6	30·7	29·8	29·4	28·2	27·8	27·6	27·5	—	—	—	—	—	—	29·40
—	—	—	—	—	—	—	—	—	23·5	22·8	22·0	22·7	23·8	24·2	
31·3	32·4	32·4	32·9	33·6	44·3	35·2	35·2	34·7	35·0	33·7	33·5	32·8	33·2	33·6	32·70
40·5	39·4	38·9	38·0	38·4	38·0	37·6	38·8	37·1	35·9	30·0	35·5	35·4	34·7	33·4	37·45
29·8	30·5	28·8	28·2	27·3	20·7	26·3	26·4	26·1	26·2	26·0	25·4	25·0	24·6	23·6	28·13
28·6	28·3	27·0	26·2	25·6	25·6	25·4	24·8	23·7	22·9	22·3	22·0	20·2	18·3	16·6	24·68
21·3	21·0	20·6	20·2	20·2	18·4	15·7	14·5	13·3	12·5	11·7	11·2	10·2	9·5	8·7	16·37
16·0	14·1	13·4	13·9	14·6	12·9	12·0	11·7	11·5	—	—	—	—	—	—	11·75
—	—	—	—	—	—	—	—	—	10·5	10·7	10·6	10·8	11·2	11·6	
19·4	23·7	24·5	24·2	26·2	27·0	27·8	29·1	29·9	30·6	31·5	32·4	33·2	33·6	34·0	23·44
43·4	42·8	40·6	38·7	38·8	37·4	37·8	37·0	36·0	34·6	32·8	31·0	31·2	31·0	31·0	37·40
19·5	19·2	17·4	14·7	12·4	11·4	10·4	7·8	5·6	4·0	2·6	1·3	0·9	0·8	0·1	15·02
5·4	5·5	3·8	3·0	2·5	2·4	1·6	0·3	− 0·5	− 1·2	− 1·8	− 1·9	− 2·1	− 1·9	− 2·2	0·28
8·4	7·8	6·3	5·1	3·7	2·8	1·8	1·0	− 0·3	− 1·1	− 2·0	− 2·8	− 3·8	− 4·4	− 5·2	0·49
9·1	8·9	5·8	4·7	3·4	3·0	2·8	3·0	3·0	—	—	—	—	—	—	1·45
—	—	—	—	—	—	—	—	—	—	1·7	0·1	− 1·2	− 1·7	− 1·0	
6·2	5·6	5·3	5·7	6·6	7·5	8·0	7·5	7·6	8·1	8·0	7·7	7·5	8·0	8·4	4·80
16·5	15·8	15·1	13·9	11·5	10·3	9·4	8·4	7·2	7·4	4·8	2·2	− 1·2	− 0·5	1·4	10·01
13·0	13·4	12·2	6·4	7·2	6·4	8·7	8·2	6·8	6·4	7·2	7·8	7·0	3·9	2·2	6·57
23·74	23·54	22·82	21·95	21·49	21·10	21·07	20·79	20·34	19·97	18·85	18·57	18·46	18·45	18·20	20·67
24·5	23·6	23·8	23·4	24·0	22·7	22·2	22·2	22·7	23·0	23·8	22·7	22·2	21·8	20·2	19·37
29·1	29·3	26·8	24·1	22·2	19·1	14·6	12·2	12·7	14·9	18·7	20·9	22·7	22·7	23·6	22·24
26·7	24·8	23·2	15·4	13·2	12·0	13·3	13·2	12·2	—	—	—	—	—	—	22·73
—	—	—	—	—	—	—	—	—	29·4	30·0	30·5	31·4	31·7	32·0	
35·3	35·0	34·2	34·0	34·2	34·1	33·8	33·7	33·5	32·8	32·9	33·2	33·0	32·8	32·6	33·44
35·0	34·0	33·5	32·5	32·8	31·7	29·5	28·2	27·2	26·1	23·7	17·2	15·0	18·2	19·0	29·66
29·8	27·9	26·8	25·2	21·2	18·0	17·4	16·4	19·6	19·4	22·4	22·5	22·2	22·2	20·6	22·78
28·9	28·2	26·4	26·0	25·7	25·2	25·0	24·2	24·8	23·4	21·3	18·2	16·2	14·3	11·4	22·96
16·4	15·5	13·7	11·0	9·8	8·4	28·2	5·2	6·8	11·4	14·2	16·1	16·7	16·2	16·2	12·04
28·0	27·9	26·9	25·6	24·2	22·4	21·1	22·4	21·6	—	—	—	—	—	—	21·87
—	—	—	—	—	—	—	—	—	21·6	20·5	19·3	18·3	18·2	19·0	
33·5	33·5	32·1	31·8	31·4	30·2	30·7	31·2	30·3	31·8	31·9	32·9	33·1	32·4	32·6	28·74
39·0	36·4	36·5	35·8	34·8	34·9	33·8	32·5	30·4	29·5	28·6	28·0	27·0	26·2	24·4	32·91
29·7	31·0	26·2	23·3	21·4	19·8	20·0	18·5	17·8	17·0	15·5	18·7	21·4	19·8	19·8	22·46
31·9	31·2	32·2	32·0	31·8	31·4	30·7	30·6	29·7	28·9	28·8	30·3	30·7	30·2	30·0	30·21
34·1	33·8	33·3	32·5	31·7	29·7	28·7	26·7	26·5	26·4	26·0	26·5	26·0	24·8	23·0	29·97
21·9	19·1	15·7	12·2	11·1	10·7	10·8	10·8	11·0	—	—	—	—	—	—	19·67
—	—	—	—	—	—	—	—	—	26·9	26·2	25·8	25·7	25·8	25·6	
39·2	39·8	37·5	37·2	35·8	34·3	34·1	34·1	34·0	33·4	32·5	32·8	33·5	33·2	34·6	33·49
44·3	43·3	41·3	39·2	41·7	40·2	37·0	33·8	32·5	35·4	35·8	36·2	35·4	35·7	35·8	38·33
38·3	38·4	36·0	36·0	37·0	36·8	35·9	35·2	34·3	33·7	33·8	32·8	30·2	30·9	29·4	35·53
47·4	47·6	47·1	42·3	38·4	35·4	33·6	32·2	30·4	28·2	27·8	27·8	28·2	29·1	31·0	35·89
29·7	28·6	27·2	26·6	26·2	26·4	25·0	25·0	24·0	22·8	19·2	17·0	14·6	12·9	11.7	26·19
24·3	24·0	24·2	19·8	16·5	14·8	14·9	14·1	13·8	—	—	—	—	—	—	18·57
—	—	—	—	—	—	—	—	—	22·8	22·5	23·0	23·6	24·8	25·0	
36·4	36·0	35·6	34·6	33·9	33·8	34·3	34·5	34·8	34·8	36·7	36·8	35·1	34·2	33·2	34·16
34·5	35·2	33·8	30·8	29·2	28·8	28·2	28·0	27·8	27·3	27·2	27·5	26·9	26·1	25·0	30·07
36·0	33·2	32·3	30·0	30·2	30·9	31·7	32·7	33·2	33·2	33·2	33·8	33·6	33·5	34·0	31·85
42·1	40·4	40·2	38·2	38·9	40·4	41·2	40·8	39·8	38·4	36·8	36·4	36·0	36·8	37·0	37·97
32 64	31·91	30·69	28·78	27·89	26·88	26·23	25·54	25·25	26·90	26·80	26·68	26·35	26·18	25·83	27·72

STANDARD THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
MARCH.	1	37·0	36·8	37·8	39·4	41·2	41·6	41·3	41·8	42·6	39·8	40·0	40·1
	2	36·4	36·2	35·6	36·0	36·8	37·8	38·5	38·9	40·8	38·8	38·0	35·6
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	18·0	16·4	16·0	17·6	18·6	19·8	21·8	23·1	25·0	26·3	26·1	26·0
	5	12·0	14·6	15·4	20·2	24·5	30·0	32·4	35·2	37·6	37·4	35·4	35·0
	6	26·6	27·0	29·8	33·8	35·4	37·0	38·8	37·0	38·5	38·7	36·1	34·6
	7	30·0	30·2	33·2	36·4	38·0	39·2	41·4	42·7	43·8	41·4	40 6	41·2
	8	32·6	33·2	34·6	38·4	39·6	40·0	39·0	39·0	39·8	40·0	41·5	41·6
	9	31·2	30·2	30·0	31·4	33·0	33·6	34·8	36·0	36·2	35·2	34·7	35·7
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	29·4	30·2	33·0	37·6	39·2	42·2	45·0	49·0	49·6	48·0	45·4	43·4
	12	36·4	38·0	40·8	42·2	45·0	44·0	43·0	41·6	40·3	40·4	40·2	39·9
	13	39·0	39·6	40·0	42·4	45·4	45·8	46·8	45·7	45·5	43·8	43·2	41 6
	14	29·2	28·8	28·8	29·4	30·6	32·6	33·8	34·0	35·2	35·4	35·6	32·8
	15	30·6	31·0	30·4	30·4	30·8	30·4	32·0	33·3	33·9	33·5	34·3	34·3
	16	35·6	34·8	35·0	35·6	35·2	35·4	36·0	37·3	37·8	38·4	37·6	36·8
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	18·2	19·2	17·8	19·2	19·8	20·5	20·4	20·4	18·4	16·8	16·3	15·3
	19	14·4	16·0	17·6	21·6	25·0	26·8	28·8	30·5	33·5	32·8	30·6	29·0
	20	30·8	31·4	30·4	30·2	30·4	30·4	30·8	30·5	30·2	30·0	29·5	29·7
	21	15·4	14·8	16·7	19 1	20·8	22·8	24·4	26·5	28·0	29·1	30·2	30·6
	22	26·0	26·0	26·6	26·6	27·0	28·4	28·8	31·2	32·0	33·1	32·9	33·6
	23	20·2	20.8	22·2	24·2	26·4	28·0	30·0	31·8	33·0	34·2	36·7	37·4
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	42·0	42·6	45·2	44·6	44.4	42·4	42·8	44·6	46·5	49·5	50·7	49·5
	26	32·8	33·8	36·0	40·4	41·2	42·2	45·0	46·8	48·6	45·2	41·2	39·9
	27	33·4	33·2	32·0	31·8	31·6	30·9	31·2	31·7	33·1	33·3	32·9	32·8
	28	39·0	39·8	40·2	40·0	40·2	41·0	41·0	41·2	42·7	42·3	42·6	43·5
	29	25·4	23·2	23·6	25·0	27·8	30·2	32·2	34·4	33·2	33·4	32·2	31·8
	30	19·8	20·4	21·0	20·4	20·4	21·0	22·2	23·2	24·3	25·7	26·2	28·4
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		28·52	28·78	29·60	31·30	32·63	33·62	34·70	35·67	36·54	36·25	35·80	35·40
APRIL.	1	21·4	24·8	29·8	31·8	32·4	34·2	35·4	37·3	37·3	39·2	38·8	37·4
	2	33·2	34·8	37·0	38·4	39·5	40·5	41·5	43·7	44·8	45·5	44·2	42·8
	3	36·0	37·4	43·0	45·8	49·0	50·8	54·2	57·2	58·3	61·5	62·4	70·0
	4	47·2	47·6	49·8	54·6	55·2	55·5	55·5	60·0	57·4	63·4	53·4	48·6
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	38·8	39·0	38·8	38·6	37·8	37·6	38·0	39·8	39·7	40·1	39·5	39·3
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	35·6	40·8	43·8	48·6	47·4	52·0	53·8	60·1	66·1	67·1	63·1	65·5
	9	42·2	45·0	48·2	52·4	55·2	57·5	58·6	57·5	56·7	59·7	61·3	62·0
	10	36·0	41·6	47·4	49·4	52·8	55·8	59·4	62·8	67·4	67·6	67 6	65·2
	11	41·5	46·6	49·0	51·8	53·2	51·8	53·8	57·0	63·9	59·7	64·5	60·5
	12	43·4	49·0	54·8	57·2	60·0	61·5	63·8	65·5	66·2	69·7	66·4	63·4
	13	44·8	48·2	54·0	58·5	60·2	64·4	66·2	69·7	70·8	72·0	70·1	69·5
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	55·0	56·2	56·8	59·8	61·0	58·8	58·4	57·3	55·1	55·1	56·6	54·2
	16	46·4	44·8	45·6	50·0	52·8	61·0	60·2	60·8	59·7	59·8	60·2	59·1
	17	38·6	39·4	40·0	41·8	41·9	43·5	46·7	47·4	48·7	49·6	49·8	50·3
	18	32·0	35·8	38·8	41·4	43 4	45·2	45·2	46·4	48·2	49·3	49·3	48·5
	19	30·4	36·4	40·4	42·7	47·0	49·6	53·4	56·8	56·8	55 0	53·0	56·0
	20	35·8	42·8	46·8	49·4	51·4	54·6	57·0	57·3	60·1	58·2	56·5	58·7
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	50·0	50·4	51·0	51·6	51·8	50·4	48·8	50·4	49·4	53·6	51·8	50·6
	23	49·0	50·8	51·8	52·6	53·4	56·4	59·2	59·8	60·1	63·8	63·2	66·0
	24	50·4	53·8	56·0	55·8	64·0	65·0	66·8	75·0	73·9	70·4	68·0	66·4
	25	39 8	43·0	47·6	50·8	52·2	54·9	56·2	57·7	59·5	56·5	54·8	54·4
	26	47·2	45·8	47·4	49·6	48·6	47·2	47·0	46·9	46·5	44·6	43·4	42·1
	27	34·8	36·0	38·0	40·6	41·4	44·8	44·8	46·7	47·9	47·9	49·8	48·9
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	38·4	44·8	47·8	50·4	52·8	54·6	56·4	58·1	60·2	59·9	61·7	65·6
	30	39·8	44·8	47·8	51·4	54·7	53·4	59·5	62·5	59·0	58·5	56·6	55·5
Hourly Means		40·31	43·18	46·06	48·60	50·44	52·02	53·59	55·75	56·55	57·11	56·24	56·02

* Good Friday.

9	10	11
3	4	5
°	°	°
39·8	40·0	40·1
38·8	38·0	35·8
—	—	—
26·3	26·1	26·6
37·4	35·4	35·0
38·7	36·1	34·6
41·4	40 6	41·2
40·0	41·5	41·6
35·2	34·7	35·1
—	—	—
48·0	45·4	43·4
40·4	40·2	39·9
43·8	43·2	41 6
35·4	35·6	32·8
33·5	34·3	34·3
38·4	37·6	36·8
—	—	—
16·8	16·3	15·3
32·8	30·6	29·0
30·0	29·5	29·1
29·1	30·2	30·6
33·1	32·9	33·6
34·2	36·7	37·4
—	—	—
49·5	50·7	49·5
45·2	41·2	39·9
33·3	32·0	32·8
42·3	42·6	43·5
33·4	32·2	31·8
25·7	26·2	28·4
—	—	—
36·25	35·80	35·40
39·2	38·8	37·4
45·5	44·2	42·8
61·5	62·4	70·0
53·4	53·4	48·6
—	—	—
40·1	39·5	39·3
—	—	—
67·1	63·1	65·5
59·7	61·3	62·0
67·6	67 6	65·2
59·7	64·5	60·5
59·7	66·4	63·4
72·0	70·1	69·5
—	—	—
55·1	56·6	54·2
59·8	60·2	59·1
49·6	49·8	50·3
49·3	49·3	48·5
55 0	53·0	56·0
58·2	56·5	58·7
—	—	—
53·6	51·8	50·6
63·8	63·2	60·0
70·4	68·0	66·4
56·5	54·8	54·4
44·6	43·4	42·1
47·9	49·8	48·9
—	—	—
69·9	61·7	65·6
58·5	56·6	55·5
57·11	56·24	56·92

STANDARD THERMOMETER.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°
39·4	38·4	38·8	39·3	42·7	49·3	48·9	48·0	41·8	39·9	38·3	37·4	40·90
35·2	34·6	34·2	32·2	31·8	31·2	—	—	—	—	—	—	33·21
—	—	—	—	—	—	28·3	26·5	25·4	24·4	23·3	20·4	
23·0	21·0	19·5	18·5	18·0	14·2	13·2	12·6	11·1	10·9	11·2	11·4	18·30
35·7	35·9	35·7	34·8	34·7	35·1	33·9	32·8	31·5	30·4	30·0	29·0	30·38
33·2	32·7	31·1	31·4	31·8	30·2	30·6	30·7	30·3	30·6	30·3	29·6	32·74
37·5	35·4	33·0	32·5	31·5	30 5	30·6	30·6	30·8	31·4	31·8	32·6	35·26
41·0	42·5	41·9	41·7	40·3	39·7	38·7	37·2	36·5	35·0	34·4	32·2	38·35
32·8	29·7	29·2	28·4	27·8	27·6	—	—	—	—	—	—	31·67
—	—	—	—	—	—	33·3	30·8	29·9	29·7	29·4	29·4	
38·3	37·5	38·5	37·9	37·3	37·1	36·7	35·8	35·2	35·4	36·0	37·0	38·95
39·7	40·0	40·1	39·8	39·4	39·5	39·4	39·8	39·8	39·7	39·9	39·4	40·35
40·4	39·6	38·4	35·2	32·7	32·0	31·3	31·0	30·7	31·5	30·3	30 0	38 41
30·4	28·9	28·2	28·7	29·0	30·1	30·4	30·5	31·2	30·0	30·0	30·0	39·98
34·5	35·1	35·1	35·5	35·2	35·5	35·4	35·6	35·8	36·2	35·4	35·4	33·73
31·8	33·4	32·4	30·7	30·2	30·3	—	—	—	—	—	—	31·31
—	—	—	—	—	—	23·2	22·2	20·5	20·4	19·2	18·6	
15·0	14·7	14·5	14·4	14·5	13·8	15·2	14·9	14·8	15·0	15·2	14·8	16·63
28·6	28·0	27·8	27·8	28·3	28·6	28·8	28·8	29·5	29·4	30·2	31·0	27·22
29·5	29·1	28·0	26·7	25·5	24·5	22·5	20·6	18·4	16·8	16·8	16·5	26·63
27·0	26·8	26·7	26·0	25·4	25·6	25·5	26·1	25·5	25·4	25·6	25·6	24·57
32·0	27·8	28·4	27·5	26·7	26·0	25·6	25·0	24·6	22·0	22·1	21·0	27·56
35·4	30·1	27·3	26·0	24·8	23·7	—	—	—	—	—	—	31·09
—	—	—	—	—	—	36·5	39·8	40·4	40·6	38·9	37·8	
43 5	37·8	32·5	31·8	32 0	34·3	35·9	34·1	31·7	31·8	32·5	32·4	39·80
38·5	37·7	36·2	35·2	34·8	34·9	34·5	34·0	34·8	35·0	34·8	34·2	38·24
31·0	33·1	34·1	33·0	32·8	32·0	33·2	33·6	33·5	34·3	30·7	37·6	33·12
45·0	43·0	41·4	37 8	37·2	36·4	34·8	33·0	32·7	31·3	30·0	27·4	38·48
31·6	31·9	31·1	29·4	27·5	25·9	24·7	24·0	23·2	21·8	21·4	25·2	27·92
28·1	24·7	22·4	20·8	20·4	19·8	—	—	—	—	—	—	21·69
—	—	—	—	—	—	19·3	17·9	18·7	19·5	18·0	18·0	
33·97	32·67	31·79	30·88	30·47	30·30	30·40	29·84	29·17	28·81	28·53	28·23	31·83
33·6	31·7	31·3	31·9	31·9	31·5	32·3	32·5	32·8	32·8	32·5	32·4	32·79
41·4	39·4	40·8	41·2	39·0	38·5	37·0	38·1	38·7	40·0	38·2	36·4	39·77
67·6	60 2	49·2	45·5	47·2	52·4	54·9	55·1	54·3	47·1	46·1	46·6	52·16
47·3	46·7	45·3	44·7	43·8	42·5	—	—	—	—	—	—	47·89
—	—	—	—	—	—	37·4	37·3	38·7	39·2	39·7	39·0	
39·6	39·5	39·7	39·5	39·1	39·0	—	—	—	—	—	—	38·31
—	—	—	—	—	—	36·4	35·7	36·2	36·8	36·0	35·0	
63·6	59·0	56·0	54·8	54·0	49·7	47·4	44·5	42·8	41·6	41·5	41·8	51·69
60·0	51·4	47·5	44·9	42·9	41·7	39·9	38·7	38·3	36·8	36·7	35·4	48·77
62·5	56·4	53·6	50·4	47·3	46·5	42·7	40·5	40·0	38·8	39·4	40·0	51·30
56·8	53·1	51·9	50·8	48·8	47·0	44·8	43·4	42·6	41·4	42·8	42·6	50·80
60·5	54·4	52·4	51·2	49·2	48·2	46·7	49·2	46·0	46·3	47·3	44·2	54·85
60·3	57·2	52·8	51·9	50·6	49·5	—	—	—	—	—	—	59·08
—	—	—	—	—	—	60·1	60·2	58·5	56·6	56·5	55·2	
52·1	50·4	48·8	47 8	46·7	48·8	47·8	47·5	47·0	47·5	48·2	46·8	52·65
57 6	56·4	50·7	48·6	48·0	49·8	47·3	46·0	45·8	43·2	40·0	38·6	51·35
49·2	42·0	38·9	36·2	34·0	33·6	33·4	32·8	32·4	32·1	31·5	31·0	40·20
45·0	40·4	35·8	34·4	35·3	35·1	34·2	31·8	30·7	30·3	29 5	29·2	38·97
50·2	47·9	46·3	45·1	40·7	39·6	37·3	36·8	36·7	35·8	35·0	34·2	44·30
56·0	51·6	47·1	44·2	42·4	40·8	—	—	—	—	—	—	50·67
—	—	—	—	—	—	51·9	51·5	51·2	50·7	50·3	49·8	
49·8	50·3	51·8	52·9	52·3	52·3	49·7	47·0	47·4	49·2	48·0	47·8	50·35
68·2	66·2	52·6	50·6	49·5	55·0	51·6	50·8	51·0	48·7	50·2	50·0	55·52
62·6	57·4	52·8	49·2	48·2	46·8	45·5	44·4	42·9	39 9	41·0	40·4	55·69
52·5	51·2	50·2	49·8	49·2	49·1	47·6	47·5	46·4	47·2	46·6	47·6	50·51
42·1	41·9	41·1	40·0	39·6	39·7	39·8	39·2	37·3	36·6	35·2	34·2	42·63
46·4	45·0	38·0	35·3	34·2	32·9	—	—	—	—	—	—	41·35
—	—	—	—	—	—	44·4	42·8	40·0	38·0	36·2	37·7	
60·7	55·0	48·5	44·0	41·2	40·0	39·0	37·7	36·8	36·9	35·8	36·8	48·46
54·8	52·0	51·6	51·8	51·2	51·2	51·4	51·9	51·9	49·8	50 8	54·0	52·75
53·62	50·27	46·99	45·47	44·26	44·05	44·02	43·32	42·66	41·73	41·40	41·07	48·11

STANDARD THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
MAY.	1	55·6	56·2	61·4	63·2	65·5	64·2	64·2	63·6	62·2	62·0	61·7	62·6
	2	52·8	55·6	56·8	58·6	59·0	62·8	65 4	67·7	68·1	71·7	68·7	64·0
	3	50·6	55·0	57·2	58·0	59·2	62·0	62·4	62·4	61·4	60·7	65·1	68·2
	4	50·0	50·4	52·0	53·8	52·0	54·8	57·0	55·5	55·4	56·5	51·8	52·0
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	48·8	49·4	47·4	47·2	48·2	50·8	55·0	55·7	56·0	57·1	56·7	50·0
	7	49·0	51·0	53·2	54·6	56·0	57·4	59·0	61·4	65·4	67·5	69·2	72·3
	8	53·4	54·2	55·6	57·6	58·6	61·0	64·0	66·7	68·2	68·7	64·8	65·1
	9	45·2	47·4	50·0	53·6	56·7	58·6	60·2	61·2	62·7	63·6	64·1	64·5
	10	39·0	45·8	47·4	49·6	50·8	51·4	50·6	51·2	51·0	48·2	46·4	48·4
	11	49·8	48·8	50·4	57·8	61·8	61·8	66·8	65·7	71·4	71·1	65·7	66·6
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	38·6	43·2	46·2	47·6	47·2	49·0	47·8	47·8	45·4	44·5	43·5	42·3
	14	46·0	46·8	47·2	50·0	52·9	54·6	57·0	59·1	59·4	60·9	63·9	65·7
	15	43·0	47·2	50·6	53·6	54·8	58·6	63·0	66·8	63·9	62·8	60·0	63·0
	16	50·0	52·2	54·6	57·2	60·8	63·4	63·0	61·8	60·6	59·4	58·8	58·7
	17	51·2	51·6	52·6	56·2	60·0	58·6	59·8	59·1	59·3	56·7	55·9	56·4
	18	48·0	49·0	51·0	54·6	55·2	57·0	53·8	54·6	57·3	56·5	59·6	61·0
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	47·0	47·4	49·0	53·4	57·2	55·2	54·4	63·6	64·3	59·8	57·0	53·9
	21	36·8	37·0	37·4	39·2	41·7	44·0	46·6	47·6	49·7	51·9	54·2	54·8
	22	35·0	41·6	44·8	47·0	51·6	54·3	56·6	58·0	59·2	59·2	59·9	59·4
	23	38·6	41·0	50·4	52·6	57·4	61·2	63·3	68·2	68·2	66·8	66·9	67·8
	24	52·0	54·8	57·4	60·2	62·8	65·6	64·8	66·0	65·1	63·6	68·2	72·4
	25	55·8	59·5	62·8	64·8	69·4	70·3	74·0	75·5	75·8	76·6	77·7	78·0
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	58·0	59·8	61·0	63·8	65·8	68·3	68·5	70·3	—	—	72·8	70·0
	28	57·0	58·0	59·5	61·2	64·0	66·0	66·8	69·4	69·0	71·4	70·4	70·2
	29	51·5	55·1	56·4	58·7	59·6	61·6	62·9	64·4	66·8	66·4	67·0	66·6
	30	51·6	53·0	53·4	53·8	56·0	56·4	62·8	67·0	63·4	60·5	60·4	61·8
	31	55·8	56·4	56·5	56·6	57·8	56·2	60·6	61·5	63·2	64·0	61·8	69·4
Hourly Means		48·52	50·64	52·67	54·99	57·11	58·71	60·38	61·92	62·02	61·85	61·93	62·44
JUNE.	1	48·7	53·5	55·2	55·9	60·4	61·4	65·6	67·0	67·8	67·2	69·0	73·0
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	47·0	49·5	53·0	56·9	58·8	59·2	59·3	61·5	64·2	65·5	66·8	68·4
	4	45·3	48·6	52·5	56·5	58·8	60·4	62·2	63·6	65·0	67·0	66·6	67·4
	5	53·2	53·4	55·0	57·8	58·8	62·0	66·6	69·3	69·2	66·8	68·4	65·5
	6	59·1	63·3	66·7	69·9	71·2	71·2	72·4	72·9	72·8	70 2	68·9	66·2
	7	53·5	53·6	53·4	56·2	59·8	62·6	64·6	68·2	67·0	69·8	72·0	71·2
	8	41·6	44·0	48·8	50·4	52·2	54·8	56·8	59·7	60·8	63·6	65·2	61·5
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	45·8	49·4	53·6	55·4	56·8	57·0	58·0	58·9	58·6	59·2	57·6	57·2
	11	40·8	46·1	50·2	53·2	56·0	56·0	57·6	58·8	60·4	63·5	66·3	68·2
	12	48·0	51·7	52·6	55·8	58·0	60·8	63·8	66·1	65·0	65·2	64·8	65·7
	13	51·7	55·9	59·2	61·3	62·8	64·4	64·6	67·4	67·8	70·8	69·4	68·9
	14	54·4	58·2	62·3	62·3	62·3	64·2	65·8	69·2	72·4	71·6	73·2	72·2
	15	56·4	59·6	62·5	66·4	65·6	66·8	69·6	70·5	70·6	66·0	58·2	71·4
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	59·9	60·4	62·7	63·9	64·8	68·5	68·8	66·8	69·5	67·4	66·8	68·8
	18	63·0	66·5	68·6	71·6	73·8	73·0	75·0	74·0	77·7	82·2	76·2	83·1
	19	64·6	69·2	69·8	73·1	73·4	69·6	69·4	67·9	71·1	75·3	75·6	70·2
	20	59·5	61·0	63·4	66·0	67·9	69·7	69·9	71·1	72·3	71·2	70·2	69·4
	21	53·9	56·4	60·3	60·2	64·2	64·0	64·8	65·8	67·4	69·2	71·8	74·6
	22	54·0	55·8	57·8	61·2	62·8	64·5	65·6	67·8	69·8	71·4	70·8	70·3
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	58·4	61·6	65·8	68·4	70·6	69·2	73·0	75·0	72·8	71·6	72·0	76·4
	25	63·8	64·0	64·8	66·6	71·2	74·8	70·6	73·5	77·8	73·0	77·9	81·2
	26	63·7	62·3	63·2	62·6	64·4	67·7	67·6	66·3	66·7	66·7	66·2	65·6
	27	59·6	60·0	59·0	59·2	58·7	58·1	58·0	57·7	59·2	63·0	63·8	63·0
	28	60·8	61·8	61·4	61·8	64·0	65·8	67·4	67·6	67·2	70·4	71·0	71·1
	29	53·0	56·0	59·4	62·0	63·8	64·8	66·4	68·5	70·7	73·5	74·7	75·6
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		54·36	56·87	59·25	61·38	63·24	64·42	65·74	67·00	68·18	68·85	69·36	70·08

STANDARD THERMOMETER.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
60·3	58·8	59·2	56·9	56·2	55·7	53·5	52·0	52·2	52·5	52·0	50·6	58·43
66·3	61·0	61·3	59·0	59·5	60·0	57·5	56·6	56·0	51·4	48·7	48·8	59·89
53·2	51·7	53·8	54·8	54·2	53·6	50·2	49·6	50·7	49·9	48·2	49·2	55·89
52·4	50·8	51·0	50·7	—	—	—	—	—	—	—	—	51·58
—	—	—	—	—	—	47·8	46·5	46·7	47·6	50·2	49·0	
49·8	50·0	50·6	52·2	51·8	50·7	50·2	50·1	50·2	50·2	48·7	48·0	51·03
70·1	57·7	52·7	49·6	48·0	49·2	50·4	50·0	49·6	50·4	50·6	52·6	56·12
62·5	57·2	54·7	53·4	49·8	47·6	45·4	45·4	44·6	44·8	44·0	44·0	55·47
61·4	56·0	50·8	46·2	44·9	42·7	41·3	41·2	38·3	35·5	33·9	34·0	50·58
47·9	46·5	44·9	44·4	45·1	45·0	44·5	44·8	45·8	46·9	50·5	51·6	47·41
66·3	66·8	62·7	60·5	57·8	56·0	—	—	—	—	—	—	55·37
—	—	—	—	—	—	39·8	39·1	36·2	34·5	35·4	36·0	
41·9	42·3	41·6	40·7	40·0	40·8	42·5	42·0	43·5	44·5	44·0	45·0	43·83
63·1	55·3	49·5	48·4	45·5	43·8	42·2	41·0	39·9	38·8	39·7	38·8	50·40
58·2	55·0	53·2	52·9	53·4	52·8	54·5	53·6	52·8	51·7	50·2	49·4	55·21
59·9	54·7	51·7	51·2	49·1	49·5	50·0	49·8	50·4	50·2	50·6	50·6	54·92
54·0	53·5	54·9	54·8	54·0	53·2	50·4	50·2	50·0	48·4	47·2	47·2	53·97
60·4	57·2	52·0	48·7	42·2	39·7	—	—	—	—	—	—	51·35
—	—	—	—	—	—	45·5	45·8	45·8	46·0	45·7	45·8	
49·5	45·9	45·1	44·8	44·2	43·2	41·0	38·7	36·9	34·8	33·3	35·0	48·11
52·6	47·2	41·8	40·4	39·3	34·1	32·2	32·0	30·9	30·3	29·3	29·8	40·87
57·9	52·7	49·7	45·4	43·4	43·9	39·9	38·0	38·4	37·9	37·2	37·0	47·83
68·1	64·7	56·7	56·0	55·2	53·8	51·0	48·8	47·4	46·1	45·3	45·8	55·89
71·5	65·4	59·8	57·6	56·2	55·7	55·1	53·9	53·7	53·0	54·3	54·5	60·19
72·4	70·6	66·1	62·7	63·2	63 2	—	—	—	—	—	—	65·88
—	—	—	—	—	—	58·3	58·2	57·6	57·2	55·6	55·8	
69·8	66·6	64·8	62·3	62·2	59·0	59·2	58·0	57 0	56·4	55·4	54·4	62·88
66·7	63·5	59·9	57·8	56·4	55·2	55·0	53·8	51·5	49·8	47·0	48·2	60·32
61·0	57·6	55·0	51·5	53·0	53·2	54·0	54·9	54·2	54·2	52·9	51·6	57·92
59·8	58·4	58·5	58·7	58·4	58·7	57·6	57·4	56·6	55·8	55·4	56·5	58·00
66·7	59·5	55·9	53·4	51·2	47·8	46·4	45·4	45·0	44·2	43·4	42·7	55·06
60·14	56·54	54·00	52·41	51·32	50·31	48·72	48·03	47·48	46·81	46·25	46·37	54·22
65·4	68·6	65·6	62·8	60·7	59·8	—	—	—	—	—	—	58·44
—	—	—	—	—	—	47·0	46·6	46·0	45·2	45·4	44·8	
67·0	59·4	52·0	49·8	46·7	44·8	43·7	43·3	42·4	42·7	41·9	40 8	53·52
63·0	57·8	54·6	52·3	49·9	48·8	49·1	48·9	49·8	50·3	50·4	52·0	55·87
61 0	60·5	58 9	58·6	58·6	57·1	57·4	57·4	57·4	57·4	57·8	57·7	60 37
64·4	63·6	60·2	57·6	54·8	53·6	51·2	52·2	53·0	52·8	52·8	52·6	62·23
68·8	61·8	55·2	50·9	48·0	45·9	42·0	39·6	38·6	35·1	34·6	34·8	54·49
59·0	55·5	55·3	54·0	53·0	50·4	—	—	—	—	—	—	52·03
—	—	—	—	—	—	47·8	44·4	43·6	42·8	42·8	40·8	
56·6	54·2	49·4	47·0	44·4	42·4	41·6	41·2	39·5	38·7	35·1	35·4	49·71
67·6	62·6	53·2	49·3	47·0	43·7	42·3	42·6	44·0	43·3	42·8	43·2	52·47
61·9	58·3	56·1	54·2	53·6	51·9	49·0	47·0	47·8	48·4	49·8	48·4	56·06
69·4	61·8	56·4	53·2	51·2	50·4	48·2	46·8	46·4	47·3	47·8	49·0	58·00
72·8	63·6	59·4	56·8	56·4	55·5	53·9	52·6	52·6	52·0	50·4	51·6	61·07
70·2	64·9	59·8	56·5	55·2	54·6	—	—	—	—	—	—	62·02
—	—	—	—	—	—	59·8	59·4	58·8	59·0	59·4	58·8	
68·0	65·6	63·2	62·8	62·4	62·1	62·7	62·0	61·4	60·2	60·6	61·2	64·15
82·7	75·4	69·2	66·4	66 4	66·3	66·2	64·2	64·8	63·0	63·2	62·4	70·62
72·1	74·3	68·2	64·7	63·0	62·4	63·2	61·6	60·4	60·2	58·8	58·7	67·62
69·8	67·6	61·2	58·0	56·0	54·6	52·0	51 9	51·3	51·7	50 6	51·7	62·00
72·0	69·4	57·2	54·5	56·2	55·2	54·7	54·0	53·0	52·8	52·6	52·6	60·70
71·4	67 1	61·5	54·8	51·4	52·4	—	—	—	—	—	—	61·30
—	—	—	—	—	—	57·8	55·8	58·0	56·0	57·4	55·8	
68·4	67·7	68·4	68·4	73·0	68·2	64·0	61·4	63·0	62·0	62·2	63·0	67·69
83·0	79·4	74·2	70·4	66·2	66·2	67·6	63·2	65·2	63·2	63·0	63·2	70·17
65·2	64·4	63·4	62·4	60·8	60·6	60·6	60·6	60·0	60·0	60·2	60·2	63 39
63·4	62·0	61·6	61·7	61·9	61·6	61·7	65·4	63·8	62·3	60·9	60·6	61·10
68·3	64·8	60·7	57·4	55·4	53·4	52·6	52·4	50·6	47·2	47·6	50·0	60·45
74·7	67·0	59·2	55·0	53·8	54·3	—	—	—	—	—	—	64·00
—	—	—	—	—	—	63·8	63·8	63·4	63·5	63·6	65·4	
68·36	64·69	60·16	57·58	56·24	55·05	54·40	53·53	53·39	52·68	52·47	52·59	60·41

STANDARD THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
JULY.	1	67°6	71°2	71°6	73°2	73°4	79°5	77°0	78°2	82°3	83°5	85°6	83°8
	2	54·0	61·6	64·1	66·7	69·2	71·9	73·4	75·8	74·8	74·8	78·1	74·1
	3	59·9	62·0	65·2	65·7	67·4	68·8	69·4	70·0	69·7	69·1	68·6	69·0
	4	47·8	51·3	54·3	56·4	58·3	59·1	60·8	63·2	63·5	64·0	69·0	70·9
	5	52·2	55·6	58·6	59·2	59·5	60·0	60·4	63·1	62·5	61·7	61·7	61·3
	6	67·8	68·6	71·2	73·8	75·4	76·5	78·1	79·8	79·6	80·2	78·6	77·8
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	50·7	53·6	58·2	61·8	63·8	65·0	68·2	72·0	73·6	77·0	78·6	75·1
	9	58·3	64·2	66·4	68·9	73·4	75·0	76·6	75·8	74·0	72·1	70·2	69·2
	10	69·2	73·5	73·8	75·6	76·5	77·0	76·4	74·8	77·2	77·0	77·2	75·1
	11	61·4	65·0	67·6	69·8	72·2	73·6	75·8	76·3	77·4	80·4	82·3	83·8
	12	58·4	62·7	63·1	65·3	65·7	69·7	72·9	77·6	78·8	79·9	79·4	80·6
	13	64·4	68·2	66·5	68·7	69·8	70·9	73·9	75·7	77·6	79·1	75·4	76·2
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	61·2	63·3	67·0	69·2	69·9	70·8	69·6	68·9	68·6	67·8	66·3	64·2
	16	58·8	59·0	59·7	62·8	64·2	66·1	66·9	69·2	64·4	70·2	68·0	69·6
	17	59·2	61·8	65·2	68·0	70·6	72·8	74·2	76·4	73·5	77·4	79·2	78·1
	18	55·3	60·1	64·1	65·9	68·8	71·5	73·3	75·0	73·9	74·3	74·2	75·0
	19	66·8	68·2	69·8	68·2	70·0	73·8	68·8	71·5	75·0	76·3	74·4	76·6
	20	60·0	62·4	64·9	66·8	[illegible]	70·7	72·2	73·2	75·2	73·2	75·8	78·3
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	60·4	65·4	67·6	70·7	[illegible]	78·2	78·2	79·5	79·8	77·8	76·8	77·4
	23	65·6	66·7	69·6	71·2	[illegible]	74·6	75·8	77·7	76·2	75 5	74·3	69·3
	24	61·4	62·2	62·8	65·2	66·8	69·4	69·6	71·2	72·2	72·0	70·0	69 3
	25	60·0	60·2	62·0	63·6	65·4	66·9	68·7	71·6	68·7	69·2	71·7	78·4
	26	58·6	61·0	63·2	65·0	65·0	67·2	68·2	70·0	72·0	71·8	74·8	74·9
	27	55·4	60·6	64·6	66·6	68·4	70·4	72·0	73·0	74·7	75·8	77·6	78·0
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	62·3	64·8	67·6	69·4	72·2	74·6	75·6	79·6	81·5	82·5	83·0	81·2
	30	66·2	68·9	70·0	71·2	71·1	71·3	72·5	72·0	72·7	70·9	70·4	70·2
	31	68·8	71·0	74·4	76·0	78·1	78·9	80·4	81·2	83·4	83·7	75·4	84·6
Hourly Means		60·43	63·45	65·67	67·59	69·12	71·27	72·18	73·79	74·18	74·71	74·69	74·98
AUGUST.	1	61·6	63·9	67·0	69·3	71·7	72·7	74·9	78·2	77·6	80·9	82·8	78·9
	2	57·8	63·6	66·6	68·8	70·8	72·7	73·0	73·7	75·5	75·3	77·8	78·6
	3	55·7	58·0	61·5	64·5	68·5	70·5	72·4	74·0	71·6	70·7	68·4	70·0
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	48·5	55·2	58·7	62·3	65·9	67·7	69·7	71·7	73·9	72·0	70·4	69·4
	6	61·4	63·2	64·5	66·5	68·8	71·8	66·4	70 2	73·8	71·4	71·5	73·2
	7	51·5	57·3	62·1	65·5	66·2	71·0	74·4	74·8	75·4	74 3	74·8	76·3
	8	63·6	64·8	66·6	68·8	71·6	73·0	75·0	73·4	76·8	79·3	80·0	78·5
	9	67·7	68·6	71·7	72·1	73·8	77·8	78·3	76·8	76·6	76·6	72·8	78·3
	10	58·6	61·5	63·5	64·6	65·7	68·2	69·2	71·7	72·2	74·6	73·8	74·8
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	51·2	55·2	58·0	60·5	62·8	65·2	67·8	67·5	69·7	67·2	70·6	71·0
	13	53·4	54·8	58·0	61·3	65·6	66·7	68·4	69·0	70·2	68·4	67·0	67·0
	14	58·8	60·6	63·0	64·2	66·0	67·2	68·4	68·7	73·6	73·3	73·3	72·8
	15	62·0	65·0	67·7	69·0	70·7	73·2	74·3	76·4	78·0	74·6	74·4	75·5
	16	60·7	65·0	68·9	72·0	73·0	75·4	78·6	79·4	76 3	78·6	77·8	78·2
	17	64·2	65·8	68·0	69·8	72·0	73·8	76·4	76·2	75·6	77·2	76·2	74·5
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	66·2	67·0	67·2	69·5	71·4	74·0	75·8	74·6	74·4	78·8	80·4	80·4
	20	67·4	68·2	68·6	67·0	68·0	66·6	66·4	65·4	68·6	70·2	70·6	72·3
	21	53·8	55·4	57 5	59·5	61·6	62·9	64·3	66·3	66·6	68·0	69·8	68·3
	22	60·9	61·6	60·9	61·2	62·0	60·9	61·6	64·2	71·2	76·2	75·0	72·2
	23	65·2	67·0	68·0	69·0	65·8	69·0	70·7	71·6	72·8	73·6	73·8	72·3
	24	48·6	53·6	57·4	61·1	64·7	67·6	67·3	70·7	65·0	64·8	64·7	64·3
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	48·2	51·4	56·6	59·2	62·0	63·6	64·8	66·3	67·1	65·5	62·1	60·4
	27	55·0	55·9	57·8	59·5	61·4	61·2	61·5	63·8	59·6	66·6	62·6	66·9
	28	54·2	55·6	58·4	59·7	64·6	64·4	65·4	61·0	59·8	64·4	66·0	64·0
	29	54·6	55·4	57·8	62·4	64·6	66·6	68·4	68·2	70·0	68 8	71·8	71·2
	30	51·0	53·2	56·8	61·6	64·0	66·0	68·2	70·7	65·9	65·0	66·3	64·8
	31	61·6	63·4	64·6	65·8	70·2	69·2	70·2	71·6	71·8	73·8	74·6	77·9
	32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		57·90	60 38	62·87	65·05	67·24	68·85	70·07	70·97	71·47	72·24	72·20	72·29

9	10	11
3	4	5
83·5	85·6	81·8
74·8	78·1	74·4
69·1	68·6	69·0
64·0	69·0	70·9
61·7	61·7	61·3
80·2	78·6	77·8
—	—	—
77·0	78·6	75·1
72·1	70·2	69·2
77·0	77·2	75·1
80·4	82·3	83·8
79·9	79·4	80·6
79·1	75·4	76·2
—	—	—
67·8	66·3	64·2
70·2	68·0	69·6
77·4	79·2	78·1
74·3	74·2	75·0
76·3	74·4	76·6
73·2	75·8	78·3
—	—	—
77·8	76·8	77·4
75 5	74·3	69·3
72·0	70·0	69 3
69·2	71·7	78·4
71·8	74·8	74·9
75·8	77·6	78·0
—	—	—
82·5	83·0	81·2
70·9	70·4	70·2
83·7	75·4	84·8
74·71	74·69	74·98
80·9	82·8	78·9
75·3	77·8	78·6
70·7	68·4	70·0
—	—	—
72·0	70·4	69·4
71·4	71·5	73·2
74 3	74·8	76·3
79·3	80·0	78·5
76·6	72·8	78·3
74·6	73·8	74·8
—	—	—
67·2	70·6	71·0
68·4	67·0	67·0
73·3	73·3	72·8
74·6	74·4	75·5
78·6	77·8	78·2
77·2	76·2	74·5
—	—	—
78·8	80·4	80·4
70·2	70·6	72·3
68·0	69·8	68·3
76·2	75·0	72·2
73·6	73·8	72·3
64·8	64·7	64·3
—	—	—
65·5	62·1	60·4
66·6	62·6	66·9
64·4	66·0	64·0
68 8	71·8	71·2
65·0	66·3	64·8
73·8	74·6	77·3
—	—	—
72·24	72·20	72·29

STANDARD THERMOMETER.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
84·4	71·3	71·2	66·3	61·3	59·6	55·0	54·8	53·0	51·8	53 6	52·3	69·31
71·6	70·6	68·2	66·8	63·6	62·0	60·8	62·3	61·4	62·1	57·1	56·2	66·73
67·4	63·6	58·2	55·3	54·2	52·7	50·3	47·2	43·0	41·4	40·8	41·4	59·18
70·2	63·5	54·9	51·7	51·0	51·8	51·7	50·0	47·0	45·0	44·4	45·4	56·05
60·4	60·6	61·0	60·8	61·2	59·0	61·4	62·4	61·4	61·8	61·0	62·5	60·39
77·0	73·7	67·0	63·8	61·2	59·5	—	—	—	—	—	—	66·11
—	—	—	—	—	—	46·6	46·6	46·2	46·0	45·4	46·3	
73·5	68·1	64·2	65·2	58·6	57·2	55·8	55 8	55·2	52·2	55·5	54·4	62·05
72·2	71·6	69·0	65·2	63·8	64·9	64·8	64·8	64·6	65·2	65·6	66·8	68·44
69·3	65·2	64·2	64·0	64·3	64·0	63·4	62·5	61·6	61·4	60·0	59·6	69·28
81·7	77·8	68·6	65·8	63·5	60·4	55·9	51·8	53·0	53·6	52·8	53·2	67·65
76·0	71·7	67·8	65·8	62 8	62·2	61·4	63·6	66·2	63·4	63·2	62·3	68·35
75·8	71·0	66·6	64·4	63·6	64·0	—	—	—	—	—	—	68·14
—	—	—	—	—	—	59·3	61·4	62·2	60·2	60·6	59·8	
62·8	62·2	61·6	61·3	60·9	59·5	59·3	59·8	59·6	59·2	59·2	58·8	63·79
76·5	70·5	64·7	63·1	61·5	60·7	57·6	56·6	57·4	58·7	58·4	57·0	63·40
76 4	72·0	64·0	59·8	56·6	56·0	54·6	51·2	51·0	50·0	49·0	49·6	64·44
76·3	71·2	68·4	69·4	67·6	66·2	66·6	65·6	63·1	62·2	64·9	64·6	68·23
71·2	68·6	66·0	64·1	62·7	62·2	62·1	61·8	61·2	60·6	58·7	58·4	67·37
79·2	72·3	67·5	59·6	55·6	55·4	—	—	—	—	—	—	65·15
—	—	—	—	—	—	58·0	56·6	55·8	55·8	55·4	55·2	
79·7	75·2	72·0	72·3	68·8	67·0	65·6	64·8	65·2	64·5	63·8	64·2	71·20
68·7	70·4	67·7	65·8	65·0	64·6	62·6	62·4	62·4	61·6	62·2	61·7	68·51
67·0	65·3	63·8	64·6	62·8	62·8	62·3	62·1	61·6	61·8	61·7	60·6	65·36
77·2	72·0	60·2	58·2	56·2	55·2	55·2	55·3	57·0	57·6	57·5	55·6	63·48
76·3	67·3	59·2	57·2	55·7	54·4	53·4	53·0	52·4	52·2	52·3	51·2	62·35
75·9	67·9	61·7	57·7	54·6	56·6	—	—	—	—	—	—	64·66
—	—	—	—	—	—	58·2	57·8	57·6	56·6	55·4	54·8	
77·4	74·7	72·9	71·3	68·0	64·8	63·4	62·6	62·6	64·0	64·0	64·3	71·01
69·6	69·8	69·0	68·8	68·8	69·2	69·2	69·3	69·1	69·0	69·0	67·4	69·82
86·0	76·6	69·4	65·8	70·0	71·0	66·0	63·4	61·9	60·4	59·8	59·6	72·75
74·06	69·80	65·52	63·49	61·63	60·85	59·28	58·72	58·25	57·71	57·46	57·16	66·08
78·9	75·5	71·4	69·5	66·8	64·5	61·9	57·0	55·6	55·6	55·0	55·2	68·60
77·3	72·4	65·2	63·4	61·6	59·8	58·8	56·4	54·6	52·8	53·0	53·2	65·95
68·6	67·3	62·8	62·4	62·2	61·6	—	—	—	—	—	—	61·73
—	—	—	—	—	—	50·0	49·4	48·6	48·0	47·6	47·2	
68·0	65·6	65·2	61·8	60·6	61·4	62·4	62·8	62·0	62·8	61·9	61·4	64·22
70·0	68·6	62·2	59·1	57·2	55·3	55·0	56·0	55·0	52·5	50·5	49·8	63·08
72·2	67·7	66·2	65·0	64·9	64·6	63·4	62·8	62·8	62·3	62·0	62·0	66·75
74·2	70·6	68·2	67·1	66·0	67·0	67·4	67·4	67·4	67·0	66·8	68·1	70·36
72·0	74·2	72·0	69·8	69·6	67·6	65·4	63·8	62·0	59·8	58·7	58·4	70·18
73 5	69·2	60·0	55·8	57·6	56·0	—	—	—	—	—	—	61·80
—	—	—	—	—	—	52·3	50·8	48·8	47·6	44·8	48·4	
66·0	59·4	56·6	55·2	54·5	53·9	52·4	50·6	49·2	48·6	48·2	49 0	58·76
66·3	62·5	61·1	60·4	59·7	60·1	59·2	59·4	60·4	60·0	59·7	59·2	62·49
71·7	66·7	64·7	61·7	60·2	59·2	59·2	59·0	58·4	59·6	60·4	61·6	64·68
72·3	67·1	65·2	62·8	61·6	61·8	61·0	61·2	61·0	59·8	59·5	59·3	67 23
73·4	73·6	71·6	69·9	68·9	68·7	68·2	69·4	67·8	66·6	65·6	63·6	71·30
69·9	66·9	64·3	63·1	62·5	60·0	—	—	—	—	—	—	68·65
—	—	—	—	—	—	63·0	64·6	65·6	66·0	66 0	66·0	
79·7	76·8	69·9	72·2	70·3	67·4	65·7	65·0	65·4	65·4	64·2	64·2	71·08
71·8	69·8	59·3	56·4	57·8	56·7	56·6	55·6	56·6	55·4	54·4	53·4	63 46
67·0	59·6	57·4	57·4	58·8	59·0	59·2	58·9	59·2	59·8	60·2	60·8	61·30
69·6	67·6	66·6	66·4	67·2	67·2	68·2	67 2	66·6	65·4	64·0	62·3	66·09
70·3	63·0	59·3	55·8	55·3	54·7	52·9	51·7	50·0	50·6	52·6	48·4	62·60
62·4	60·2	58·2	57·6	55·0	54·4	—	—	—	—	—	—	57·95
—	—	—	—	—	—	52·0	49·3	50·4	47·6	47·5	46·4	
59·2	57·8	56·8	57·0	56·2	55·2	55·7	55·6	55·2	55 0	55·0	54·9	58·37
64·0	57·6	55·4	53·6	52·0	51·2	50·4	52·6	52·2	52·2	53·4	53·4	57·49
62·0	59·6	57·6	56·8	56·8	56·0	55·6	55·0	54·7	54·4	55·1	55·2	59·01
68·3	63·5	59·1	56·5	53·3	54·0	51·7	50·4	49·5	48·4	49·4	49·6	59·73
64·6	63·3	62·8	63·2	61·8	61·8	62·2	61·2	62·2	61·8	61 8	61·6	62·57
72·2	63·9	61·2	59·6	59·6	60·0	—	—	—	—	—	—	66·99
—	—	—	—	—	—	66·8	66·0	65·6	66·0	66·2	66·0	
69·83	66·30	62·97	61·46	60·67	59·97	59·13	58·45	58·03	57·44	57·17	56·99	64·16

STANDARD THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
SEPTEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2	66·2	67·3	68·7	69·0	69·4	69·0	70·6	75·3	75·5	78·2	81·8	81·3	77·0	71·
	3	56·0	59·5	62·4	65·2	66·8	69·4	70·8	70·8	73·3	74·2	77·0	69·1	74·6	68·
	4	56·4	58·8	62·0	64·0	66·0	67·8	69·0	69·8	70·7	70·8	70·4	70·1	67·2	61·
	5	53·6	54·9	60·6	61·8	66·6	64·0	64·4	66·3	65·9	66·9	66·2	65·0	62 3	58·
	6	51·9	56·4	62·1	64·7	65·7	66·9	68·0	69·9	70·9	70·9	71·0	70·4	67·6	64·
	7	52·3	60·0	62·6	64·2	65·6	67·6	69·4	69·4	70·2	70·3	69·2	68·6	64·8	62·
	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	60·9	62·7	63·3	64·4	65·4	67·6	67·9	69·8	69·0	72·0	71·7	79·0	68·6	63·
	10	59·7	61·0	63·0	64·4	64·0	67·0	70·6	72·4	72·2	71·0	74·4	72·9	69·8	63·
	11	61·4	62·2	63·4	65·8	66·6	67·4	68·6	71·2	71·8	69·2	67·3	67·0	66·5	64·
	12	59·2	59·9	61·3	62·4	65·5	68·7	69 2	72·2	72·2	70·9	71·9	72·6	68·4	61·
	13	48·8	54·6	60·2	63·8	65·7	68·6	69·4	70·2	71·6	71·8	71·9	74·8	64·6	60·
	14	51·2	56·2	61·2	64·7	67·2	69·8	71·6	73·8	75·0	76·6	77·2	78·2	72·6	66·
	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	55·3	59·4	63·2	67·8	72·0	74·6	75·8	77·0	78·3	79·0	80·2	79·8	71·8	66·
	17	57·2	59·6	64·0	68·2	71·2	71·2	74·8	77·1	78·7	79·9	80·1	79·0	74·2	71·
	18	53·8	55·2	59·7	62·5	65·2	66·8	68·1	68·9	70·2	70·4	71·1	71·2	62·0	58·
	19	45·2	49·2	57·8	61·4	65·6	69·0	71·6	75·1	77·2	76·7	76·1	76·2	72·4	70·
	20	59·2	64·3	67·4	69·6	71·8	74·6	78·6	79·6	80·6	80·4	79·6	78·1	69·7	71·
	21	68·2	69·0	71·0	72·8	71·8	68·8	65·8	63·8	61·1	60·2	58·9	59·2	54·0	51·
	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	41·2	42·4	46·0	50·4	52·4	56·0	55·2	55·2	55·4	54·0	53·0	52·2	51·0	49·
	24	44·3	45·3	48·1	51·4	52·6	55·7	55·2	56·3	57·5	58·4	60·6	57·6	56·2	52·
	25	38·0	40·8	42·7	47·2	50·2	53·3	53·2	52·8	51·7	51·2	49·7	49·2	48·5	47·
	26	38·6	40 4	43·0	45·4	50·1	52·0	52·6	52·2	53·2	53·0	53·4	49·9	46·3	43·
	27	30·0	34·4	38·2	43·0	44·8	45·6	48·0	48·5	48·3	48·7	49·5	47·7	42·0	37·
	28	34·6	36·9	41·3	43·3	45·9	47·2	49·9	50·4	50·3	49·5	48·4	47·6	47·0	46·
	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	42·4	42·6	47·0	50·9	56·2	59·6	60·6	60·4	59·4	56·7	54·6	53·0	48·2	45·
Hourly Means		51·42	54·13	57·61	60·33	62·57	64·33	65·56	66·14	67·21	67·24	67·41	66·84	62·69	59·
OCTOBER.	1	33·7	36·7	41·7	46·4	50·3	52·8	52·7	54·4	55·1	54·3	54·6	52·4	46·2	46·
	2	41·4	44·2	50·6	55·0	56·2	57·0	58·6	56·8	60·0	60·0	60·4	58 1	56·9	57·
	3	44·2	44·4	49·6	53·2	55·4	58·2	59·6	60·3	60·9	59·4	59·1	55·6	56·5	51·
	4	44·0	47·0	50·3	52·4	53·6	56·7	59·4	57·2	52·1	55·6	56·4	53·3	52·3	51·
	5	48·1	49·3	49·7	50·0	49·9	51·4	50·7	52·2	52·2	53·0	52·6	51·4	50·2	49·
	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	33·0	35·4	39·6	41·8	44·3	45·0	45·2	44·7	45·2	47·8	48·4	46·0	40·0	35·
	8	29·0	31·0	39·9	43·6	47·0	52·6	58·4	60·3	62·3	62·2	60·6	58·4	56·8	56·
	9	51·0	52·0	53·0	56·3	60·9	65·0	65·4	62·9	65·5	69·8	70·1	60·8	53·4	51·
	10	54·6	55·5	54·4	55·0	53·4	52·0	52·2	56·6	58·0	57·8	57·0	54·6	51·2	48·
	11	37·0	37·7	41·0	43·3	47·0	48·7	50·4	52·9	52·9	52·7	53·0	52·6	43·8	42·
	12	33·3	34·5	38·8	43·7	47·4	49·6	51·6	52·2	52·6	51·6	51·0	49·8	44·0	42·
	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	45·1	46·0	49·0	50·3	51·5	51·6	51·6	50·8	50·6	50·4	50·4	49·6	48·8	48·
	15	42·2	43·4	45·4	49·0	50·2	51·2	52·6	52·7	53·3	52·5	51·7	50·2	48·1	46·
	16	37·0	37·7	39·7	42·2	45·0	46·6	48·4	49·5	50·6	49·2	48·8	47·4	46·4	45·
	17	41·4	41·4	42·0	42·6	44·8	45·8	45·4	45·2	44·8	44·6	44·6	44·4	43·0	42·
	18	40·0	39·6	40·0	40·8	42·2	43 2	43·2	42·8	42·2	42·0	41·8	42·2	43·6	44·
	19	41·0	40·6	40·6	41·2	43·5	44·4	44·0	44·2	44·6	40·7	36·6	37·1	36·0	35·
	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	37·0	38·6	41·0	42·4	44·8	47·2	46·8	46·3	46·3	46·2	46·1	45·6	44·0	42·
	22	40·7	42·2	43·9	46·4	49·2	49·6	51·1	52·3	52·2	53 5	51·1	46·0	43·6	40·
	23	35·6	36·4	40·7	42·9	44·4	46·0	47·7	49·0	54·6	53·0	51·8	48·2	44·0	45·
	24	36·4	38·0	44·0	47·2	49·8	51·4	53·9	55·6	55·9	55·5	55·0	50·6	50·8	50·
	25	47·2	48·0	51·8	53·6	55·4	57·4	59·4	59·4	59·2	59·4	59·6	55·5	56·2	52·
	26	39·0	40·2	42·7	44·6	46·5	47·9	48·4	48·2	47·6	46·7	45·8	44·7	43·3	43·
	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	27·2	27·4	27·8	28·2	28·2	28·5	28·4	29·0	28·3	28·4	28·2	28·3	28·4	28·
	29	28·6	28·3	29·0	29·9	29·6	30·0	30·4	30·2	29·5	29·7	29·2	28·2	27·8	27·
	30	29·0	29·4	30·4	31·4	32·2	33·5	35·3	36·2	36·2	36·0	35·4	35·1	34·7	35·
	31	19·6	18·6	20·4	27·0	30·7	33·1	36·6	39·4	41·4	42·4	42·5	38·2	31·9	30·
Hourly Means		38·38	39·39	42·11	44·46	46·42	48·01	49·16	49·68	50·15	50·16	49·70	47·51	45·26	44·

STANDARD THERMOMETER.

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
78·2	81·8	81·3	77·0	71·2	66·9	64·2	63·0	61·8	60·6	57·5	57·7	56·2	55·5	55·6	67·48
74·2	77·0	69·7	74·6	68·6	64·4	60·2	57·7	56·9	55·4	55·1	54·8	54·3	50·0	52·3	63·31
70·8	70·4	70·7	67·2	61·8	58·4	56·5	54·6	54·0	53·8	52·8	53·2	54·0	53·2	52·6	61·19
66·9	66·2	65·0	62 3	58·8	56·4	57·2	55·0	55·3	56·0	55·2	54·0	51·8	50·8	51·6	59·19
70·9	71·0	70·4	67·6	64·0	62·8	61·8	59·0	57·4	55·6	55·2	53·0	54·8	53·2	52·2	61·89
70·3	69·2	68·6	64·8	62·8	59·6	57·6	57·2	55·4	—	—	—	—	—	—	63·41
—	—	—	—	—	—	—	—	—	63·6	63·5	63·4	62·8	61·0	59·7	
72·0	71·7	79·0	68·6	63·2	63·6	61·7	61·2	60·3	60·2	60·0	59·9	59·7	58·0	59·0	64·55
71·0	74·4	72·9	69·8	63·0	60·2	59·4	61·0	60·4	62·4	62·4	62·4	62·4	62·1	61·8	65·00
69·2	67·3	67·0	66·5	64·6	64·2	64·4	63·4	62·6	62·0	61·8	61·4	59·8	60·2	59·4	64·68
70·9	71·9	72·6	68·4	61·6	59·5	58·0	58·6	58·2	58·4	57·7	56·1	55·0	51·4	49·4	62·43
71·8	71·9	74·8	64·6	60·4	56·2	54·5	53·7	53·0	52·4	52·1	50·9	51·0	50·8	50·3	60·05
76·6	77·2	78·2	72·6	66·7	65·1	64·2	64·0	62·2	—	—	—	—	—	—	65·15
—	—	—	—	—	—	—	—	—	60·2	59·6	58·8	56·6	55·6	55·2	
79·0	80·2	79·6	71·8	66·4	66·2	62·2	60·3	59·4	58·8	59·0	58·0	57·8	56·2	55·4	66·41
79·9	80·1	79·0	74·2	71·6	66·3	64·1	63·7	67·2	68·4	67·2	64·2	61·2	59·6	55·7	68·52
70·4	71·1	71·2	62·0	58·2	56·2	58·2	55·8	53·5	51·9	50·2	48·2	47·6	47·0	46·6	59·10
76·7	76·1	76·2	72·4	70·8	70·0	67·4	64·7	62·2	62·4	60·2	59·4	59·6	59·4	59·0	65·36
80·4	79·6	78·1	69·7	71·3	69·2	68·3	67·0	64·2	62·7	62·8	63·4	66·0	66·5	66·6	70·06
60·2	58·9	59·2	54·0	51·8	49·2	47·4	46·2	44·7	—	—	—	—	—	—	55·59
—	—	—	—	—	—	—	—	—	41·0	42·8	42·0	42·3	42·1	40·0	
54·0	53·0	52·2	51·0	49·8	49·0	49·0	48·8	46·7	44·4	43·2	44·8	44·2	44·0	44·1	48·85
58·4	60·6	57·6	56·2	52·0	49·0	49·2	47·6	43·4	39·6	39·6	39·8	39·8	37·2	36·4	48·87
51·2	49·7	49·2	48·5	47·4	46·1	45·9	45·6	45·0	44·8	44·2	43·8	43·2	42·4	40·6	46·56
53·0	53·4	49·9	46·3	43·1	41·4	41·2	42·0	41·0	41·1	35·0	34·0	33·4	30·5	29·8	43·44
48·7	49·5	47·7	42·0	37·6	36·0	36·6	37·0	37·8	37·6	37·6	36·8	36·8	36·2	35·0	40·57
49·5	48·4	47·6	47·0	46·5	46·4	45·1	44·0	43·0	—	—	—	—	—	—	44·06
—	—	—	—	—	—	—	—	—	41·2	40·4	39·4	39·2	40·4	39·6	
56·7	54·6	53·0	48·2	45·3	43·4	41·4	38·4	37·0	36·6	33·7	33·5	33·2	34·2	33·5	45·92
67·24	67·41	66·84	62·69	59·14	57·03	55·83	54·78	53·74	53·24	52·35	51·72	51·31	50·30	49·66	58·47
54·3	54·6	52·4	46·2	46·8	39·8	40·4	39·9	39·5	38·6	39·2	38·4	39·4	39·0	40·4	44·70
60·0	60·4	58 1	56·9	57·4	57·5	58·0	57·7	57·0	57·0	—	52·4	51·0	49·8	46·6	54·77
59·4	59·1	55 0	56·5	51·6	51·0	49·1	46·5	47·6	47·2	46·6	45·0	44·2	44·2	43·4	51·37
55·6	56·4	53·3	52·3	51·5	50·6	49·6	49·4	48·4	48·0	47·5	45·4	44·6	46·2	47·0	50·77
53·0	52·6	51·4	50·2	49·4	47·0	47·2	45·8	46·6	—	—	—	—	—	—	46·30
—	—	—	—	—	—	—	—	—	38·5	38·3	36·2	35·8	32·4	33·2	
47·8	48·4	46·0	40 0	35·6	35·6	32·8	32·3	31·4	31·6	31·7	31·0	31·2	30·0	29·4	37·88
62·2	60·6	58·4	56·8	56·3	56·1	56·4	56·0	55·8	55·5	54·7	54·4	52·8	52·6	51·8	52·69
60·8	70·1	60·8	53·4	51·4	54·0	50·0	46·2	44·8	44·2	45·6	46·2	50·0	52·2	54·4	55·21
57·8	57·0	54·6	51·2	48·4	44·6	44·2	43·8	43·0	40·0	39·2	38·4	39·0	37·4	36·8	48·63
52·7	53·0	52·6	43·8	42·8	40·2	39·7	38·6	35·4	36·5	35·2	34·0	34·0	33·0	33·4	42·33
51·6	51·0	49·8	44·0	42·2	44·4	48·2	47·2	43·7	—	—	—	—	—	—	45·96
—	—	—	—	—	—	—	—	—	48·3	48·2	46·0	45·6	44·4	44·8	
50·4	50·4	49·6	48·8	48·2	47·8	47·4	47·4	47·7	47·5	47·2	47·2	45·6	44·6	43·4	48·32
52·5	51·7	50·2	48·1	46·3	45·0	43·2	42·5	41·4	40·6	40·0	38·6	38·2	37·6	37·3	45·55
49·2	48·8	47·4	46·4	45·2	43·6	41·0	41·0	40·8	40·2	40·4	39 8	40·2	40·7	41·0	43·43
44·6	44·6	44·4	43·0	42·0	41·4	41·8	42·1	41·4	41·2	41·4	41·0	41·2	40·3	40·2	42·66
42·0	41·8	42·2	43·6	44·8	47·0	49·8	50·8	51·0	55·0	50·3	48·2	45·2	43·2	42·2	44·63
40·7	36·6	37·1	36·0	35·0	34·8	33·7	33·0	32·1	—	—	—	—	—	—	38·33
—	—	—	—	—	—	—	—	—	29·0	37·0	37·6	38 2	37·9	37·2	
46·2	46·1	45·6	44·0	42·0	40·0	42·4	39·1	36·7	36·1	34·6	38·2	39·0	39·6	39·9	41·66
53 5	51·1	46·0	43·6	40·3	37·7	36·6	36·8	35·8	35·4	37·0	36·4	37·4	36·2	37·2	42·86
53·0	51·8	48·2	44·0	45·2	47·4	46·8	44·2	41·4	38·2	37·3	35·6	36·0	35·6	36·4	43·27
55·5	55·0	50·6	50·8	50·4	45·7	46·0	46·4	44·2	47·0	47·2	48·0	47·0	47·2	46·8	48·33
59·4	59·6	55·5	56·2	52·0	49·7	47·6	45·8	43·5	40·0	35·4	38·4	40·0	41·4	42·0	49·91
46·7	45·8	44·7	43·3	43·8	44·0	44·2	39·7	38·1	—	—	—	—	—	—	40·91
—	—	—	—	—	—	—	—	—	34·0	33·6	32·4	31·0	28·0	27·4	
28·4	28·2	28·3	28·4	28·8	28·5	28·8	28·6	29·0	29·0	28·9	27·8	28·6	28·8	28·8	28·40
29·7	29·2	28·2	27·8	27·8	28·2	28·6	29·1	28·7	29·2	29·4	29·7	29·7	29·5	29·0	29·14
36·0	35·4	35·1	34·7	35·1	34·8	32·1	29·4	25·4	24·8	25·2	26·6	25·2	21·0	18·8	30·55
42·4	42·5	38·2	31·9	30·0	29·0	28·5	27·8	27·1	—	26·4	26·0	25·0	26·0	26·0	30·13
50·16	49·70	47·97	45·26	44·09	43·16	42·74	41·74	40·65	40·48	39·13	39·22	39·08	38·47	38·33	43·66

STANDARD THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6
NOVEMBER.	1	25·8	26·2	29·5	35·1	41·4	42·1	44·6	43·8	42·7	42·6	42·2	41·9	38·8
	2	39·4	38·2	39·5	43·0	44·6	45·7	47·4	48·7	50·2	50·1	49·6	44·8	42·6
	3	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	39·4	38·6	40·4	40·9	42·1	43·3	43	[illegible]	45·0	44·6	43·1	42·2	41·8
	5	36·1	36 5	39·0	41·2	44·0	43·4	46·.	49·.	48·7	48·6	46·2	[illegible]	40·6
	6	32·6	31·6	33·6	38·6	43·2	45·0	46·4	48·0	3·9	49·3	48·6	[illegible]	37·6
	7	40·4	36·8	38·0	43·0	46·6	48·6	50·0	48·2	47·8	46·5	46·0	4[illegible]	44·0
	8	32·6	30·0	34·0	36·6	38·4	39·6	39·6	40·2	40·3	40·0	38·0	35·6	34·6
	9	30·4	31·0	32·2	33·4	34·8	37·4	38·5	40·2	41·8	43·4	42·4	37·9	33·6
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	39·6	39·5	39·6	40·0	40·4	41·0	41·6	42·4	42·8	41·8	41·6	41·3	41·7
	12	42·4	42·6	41·0	43·8	44·4	45·6	47·1	46·9	47·0	46·9	46·9	46·[illegible]	46·0
	13	36·5	34·3	34·7	36·3	35·6	36·4	37·4	37·8	37·7	37·1	37·2	35·6	33·4
	14	29·0	29·4	31·4	33·8	35·8	37·3	38·7	39·4	39·3	39·7	37·2	36·4	35·4
	15	35·0	34·8	35·0	36·5	39·2	40·5	42·4	43·4	43·8	44·4	43·2	40·7	39·6
	16	32·0	33·2	34·0	37·2	42·0	45·0	45·8	47·4	48·4	45·4	43·2	39·3	37·9
	17	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	34 0	33·2	33·2	32·0	32·8	33·5	35·0	34·6	33·0	32·1	30·4	29·0	27·8
	19	27·2	26·4	28·6	32·9	34·6	35·8	39·0	40·6	41·2	41·4	41·0	40·7	40·0
	20	31·8	33·4	35·4	37·7	40·2	38·9	41·4	42·8	43·7	44·8	43·6	39 2	35·2
	21	29·0	29·7	32·2	37·6	41·2	44·6	44·4	44·9	44·0	44·7	41·6	40·2	39·6
	22	34·2	38·4	39 6	41·6	44·7	42·6	41·8	41·6	43·1	42·4	41·9	41·6	41·6
	23	41·3	40·4	36·6	39·0	39·7	39·7	40·9	42·6	44·2	44·4	41·4	38·8	39·7
	24	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	19·0	18·8	20·4	22·1	23·5	23·8	25·1	24·6	26·0	25·7	24·6	23·2	21·8
	26	22·0	24·6	25·0	26·8	27·3	27·0	27·3	29·4	30·0	30·2	29·8	30·2	30·0
	27	19·9	20·1	19·8	17·7	17·5	18·1	18·8	20·2	20·0	20·4	17·6	16·6	13·6
	28	23·6	21·4	19·2	19·2	20·3	21·6	22·5	23·1	23·4	23·0	22·6	22·0	20·4
	29	22·8	23·8	25·2	27·0	29·8	21·9	32·8	32·9	33·0	32·6	32·2	32·1	32·0
	30	33·6	34·0	34·6	35·4	36·8	37·7	37·6	37·3	37·5	37·0	35·8	35·0	34·4
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		31·91	31·80	32·05	34·94	36·96	37·54	39·07	39·77	40·13	39·97	38·77	37·[illegible]	35·53
DECEMBER.	2	29·2	29·3	28·7	30·0	30·6	30·3	30·8	31·4	33·6	32·6	31·0	29·6	27·4
	3	30·3	27·8	30·2	31·4	33·0	34·6	36·0	36·8	36·2	34·9	34·6	34·2	34·0
	4	32·8	33·3	35·8	36·4	37·2	37·6	37·8	38·0	37·6	35·5	34·8	34·8	34·4
	5	33·8	33·8	34·0	34·0	33·2	33·4	33·6	34·1	34·7	34·6	34·5	34·5	34·4
	6	33·5	33·6	33·8	34·2	34·2	34·2	34·2	34·0	33·4	33·2	32·6	33·8	33·4
	7	42·1	42·6	43·3	44·5	45 8	45·6	46·0	43·8	41·6	38·6	36·4	35·8	35·0
	8	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	21·0	21·6	22·7	24·4	26·8	30·4	32·2	34·4	35·6	35·8	34·8	32·4	28·0
	10	29·4	27·4	27·0	26·6	26·8	27·8	28·2	28·8	28·6	28·6	28·4	27·0	26·4
	11	28·6	28·8	28·8	29·7	31·4	32·4	32·6	33·6	34·2	34·1	32·8	32·7	32·5
	12	23·2	23·4	27·3	32·9	34·6	35·9	36·5	38·0	38·8	39·0	36·3	34·8	35·4
	13	37·1	37·1	35·6	35·1	34·8	35·6	36·2	36·4	36·7	36·0	35·4	34·2	34·0
	14	30·5	30·3	30·3	32·0	33·6	34·4	35·2	36·0	36·4	35·8	35·4	34·3	33·6
	15	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	23 0	22·8	22·0	21·4	21·4	21·0	21·6	22·0	21·3	21·9	21·5	20·4	19·8
	17	16·2	16·4	16·6	18·2	20·6	21·4	22·6	24·3	24·6	24·5	23 4	22·1	22·6
	18	2·0	3·5	7·0	14·2	18·1	21·1	22·8	23·5	25·2	25·0	24·6	24·0	23·6
	19	20·4	21·0	21·4	22·3	23·4	24·2	23·6	23·6	23·0	22·2	21·2	20·4	20·0
	20	9·7	11·2	12·8	12·8	16·8	19·2	21·8	22·4	22·4	21·0	20·4	19·6	19·3
	21	26·8	27·4	27·8	28·3	28·2	28·6	28·2	29·0	30·6	31·4	32·4	32·2	32·2
	22	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	31·8	31·0	30·2	30·2	29·0	29·0	28·6	27·8	27·4	26·2	25·6	25·3	25·0
	24	27·0	28·0	28·2	28·4	29·7	31·2	32·2	33·4	34·1	34·8	35·8	33·6	32·3
	25 *	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	42·0	42·0	43·6	43·8	43·0	43·8	49·3	40 0	45·0	43·4	39·6	37·2	35·2
	27	23·4	21·8	20·9	21·4	22·4	24·8	26·0	26·0	27·6	27·2	26·6	25·2	23·6
	28	13·8	14·1	14·8	18·0	21·2	24·6	27·4	29·0	28·6	28·6	27·0	26·6	26·2
	29	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	34·4	35·2	36·5	37·6	40·6	39·8	38·4	37·2	36·2	36·5	37·0	36·8	34·4
	31	30·7	29·4	29·2	31·4	32·4	33·2	33·2	34·6	35·6	34·8	34·6	33·7	33·5
Hourly Means		26·91	26·91	27·54	28·76	29·95	30·96	31·60	32·28	32·36	31·85	31·07	30·21	29·49

* Christmas-day.

STANDARD THERMOMETER.

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
42·6	42·2	41·9	38·8	37·8	37·6	37·4	38·0	37·9	38·0	38·4	39·2	38·8	39·8	39·5	38·30
50·1	49·6	44·8	42·6	39·6	38·8	38·4	38·4	38·4	—	—	—	—	—	—	42·86
—	—	—	—	—	—	—	—	—	42·4	44·2	42·4	42·0	41·0	39·2	
44·6	43·1	42·2	41·8	42·6	42·4	42·3	41·2	37·0	37·8	38·0	37·7	35·0	34·5	34·0	40·46
48·6	46·2	42·4	40·6	40·2	38·8	37·7	37·0	36·7	36·4	35·4	34·2	34·2	34·6	34·0	40·10
49·3	48·6	[illegible]	37·6	34·0	32·0	30·9	31·4	31·0	32·6	36·4	40·0	40·2	41·2	41·9	39·10
46·5	46·0	44	44·0	44·0	42·6	44·6	45·0	44·6	44·6	42·9	40·2	38·2	36·5	35·5	43·30
40·0	38·0	35·6	34·6	34·6	35·0	35·2	35·0	32·8	30·7	29·6	29·6	27·7	27·2	29·2	34·42
43·4	42·4	37·9	33·6	30·6	30·8	30·8	30·4	30·3	—	—	—	—	—	—	36·32
—	—	—	—	—	—	—	—	—	41·2	40·0	40·0	40·4	40·2	40·0	
41·8	41·6	41·8	41·7	41·8	41·4	41·2	41·2	41·3	41·0	41·4	41·7	41·8	41·5	41·8	41·25
46·9	46·9	46·1	46·0	45·6	46·0	41·6	40·6	40·2	39·0	37·2	36·8	35·4	35·4	36·0	42·60
37·1	37·2	35·6	33·4	32·0	31·6	31·6	31·4	30·6	31·0	30·2	29·8	29·5	29·4	29·2	33·60
39·7	37·2	36·4	35·4	33·8	31·4	31·2	33·0	33·4	33·8	32·3	32·0	29·0	28·7	35·8	34·05
44·4	43·2	40·7	39·6	37·2	33·8	33·0	32·2	31·6	32·0	31·3	31·0	30·3	29·6	30·8	36·30
45·4	43·2	39·3	37·9	35·8	36·8	40·2	41·0	41·2	—	—	—	—	—	—	39·35
—	—	—	—	—	—	—	—	—	39·3	37·3	36·5	35·2	34·8	34·8	
32·1	30·4	29·0	27·8	27·4	27·6	27·2	27·0	26·0	25·7	26·1	26·8	26·8	28·2	27·4	29·87
41·4	41·0	40·1	40·0	38·6	37·6	36·6	37·0	37·4	35·8	31·4	32·9	32·4	29·6	31·6	35·43
44·8	43·6	39·2	35·2	37·2	37·6	35·8	32·3	29·7	30·2	30·0	29·2	28·0	27·6	28·8	35·60
44·7	41·6	40·2	39·6	38·2	34·2	32·0	31·2	32·0	34·0	35·0	34·5	34·0	33·4	34·2	36·93
42·4	41·9	41·6	41·6	42·4	42·6	43·5	43·8	42·8	43·0	42·5	41·3	40·8	40·3	42·0	41·67
44·4	41·4	38·8	39·7	37·8	35·2	33·0	31·2	30·0	—	—	—	—	—	—	34·36
—	—	—	—	—	—	—	—	—	22·6	22·0	21·6	20·4	19·6	19·6	
25·7	24·6	23·2	21·8	20·2	18·2	17·8	18·2	17·8	19·4	19·6	19·8	20·8	22·2	21·4	21·42
30·2	29·8	30·2	30·0	30·0	30·2	28·6	22·2	26·4	25·4	25·7	25·6	25·2	24·1	21·8	27·12
20·4	17·6	16·6	13·6	13·2	15·0	15·6	15·6	15·4	15·2	15·0	15·4	16·3	18·0	23·0	17·42
23·0	22·6	22·0	20·4	20·4	20·2	20·2	20·3	20·4	20·3	20·6	21·0	21·4	21·6	22·2	21·29
32·6	32·2	32·1	32·0	32·0	32·5	31·6	31·4	32·2	33·6	34·2	33·4	33·4	33·4	33·6	30·81
37·0	35·8	35·0	34·4	34·2	33·9	34·6	34·0	33·6	—	—	—	—	—	—	33·91
—	—	—	—	—	—	—	—	—	29·6	29·4	29·8	29·4	29·4	29·2	
39·97	38·77	37·[illegible]	35·53	34·66	33·99	33·58	33·31	32·72	32·87	32·54	32·40	31·79	31·61	32·17	34·92
32·6	31·0	29·6	27·4	28·2	28·2	29·4	29·2	30·0	30·0	27·2	26·0	26·7	28·6	28·8	29·45
34·9	34·6	34·2	34·0	34·2	35·8	34·2	34·8	34·9	35·4	29·3	28·5	27·7	29·8	31·5	32·92
35·5	34·8	34·8	34·4	34·4	34·2	34·0	34·0	34·2	34·0	34·0	33·6	33·6	33·6	33·8	34·97
34·6	34·5	34·5	34·4	34·3	34·7	34·2	33·4	33·0	33·0	33·0	33·4	33·4	33·4	33·2	33·82
33·2	32·6	33·8	33·4	35 0	35·4	36·4	37·0	37·6	38·8	38·8	40·0	40·6	41·0	41·4	35·84
38·6	36·4	35·8	35·0	35·6	34·6	34·4	28·4	25·2	—	—	—	—	—	—	35·10
—	—	—	—	—	—	—	—	—	26·1	25·5	23·4	22·6	22·6	21·8	
35·8	34·8	32·4	28·0	28·0	26·2	26·2	26·4	27·6	29·2	29·6	29·0	28·8	28·2	29·0	28·68
28·6	28·4	27·0	26·4	26·1	25·6	25·4	25·3	25·9	26·2	26·4	27·2	27·6	28·0	28·4	27·21
34·1	32·8	32·7	32·5	32·1	32·6	30·8	29·6	32·6	29·6	24·2	25·0	23·6	22·6	22·4	29·89
39·0	36·3	34·8	35·4	36·2	35·8	35·4	35·8	36·2	36·0	36·4	36·2	36·0	36·0	38·0	34·75
36·0	35·4	34·2	34·0	33·4	33·2	33·5	33·3	33·3	33·0	32·8	32·5	32·0	31·2	31·0	34·31
35·8	35·4	34·3	33·6	33·0	32·5	32·6	32·2	32·1	—	—	—	—	—	—	30·81
—	—	—	—	—	—	—	—	—	23·0	22·4	22·1	24·7	23·6	23·5	
21·9	21·5	20·4	19·8	19·2	18·9	18·6	18·7	18·5	18·4	16·0	16·0	16·0	16·6	16·0	19·71
24·5	23 4	22·1	22·6	21·6	20·2	19·0	17·6	17·8	17·0	15·6	14·0	10·0	4·0	0·8	17·96
25·0	24·6	24·0	23·6	23·2	23·2	22·8	22·2	20·4	19·0	17·0	18·7	19·2	19·3	19·8	19·14
22·2	21·2	20·4	20·0	18·6	18·2	19·6	19·8	17·7	13 6	9·2	6·2	4·7	6·3	10·8	17·98
21·0	20·4	19·6	19·3	19·4	18·2	19·4	19·4	18·9	18·7	18·7	21·4	22·0	25·2	25·5	19·01
31·4	32·4	32·2	32·2	29·8	25·7	24·4	24·3	28·0	—	—	—	—	—	—	29·69
—	—	—	—	—	—	—	—	—	34·4	34·2	33·2	32·2	31·4	32·0	
26·2	25·6	25·3	25·0	24·4	24·4	23·7	22·8	22·8	23·2	23·2	25·0	25·6	26·0	27·0	26·47
34·8	35·8	33·6	32·3	35·4	35·4	34·8	33·6	32·4	—	—	—	—	—	—	34·77
—	—	—	—	—	—	—	—	—	41·4	42·4	43·0	42·8	42·0	42·6	
43·4	39·6	37·2	35·2	33·0	30·8	29·9	28·6	28·2	27·2	26·2	25·4	23·4	23·6	24·9	35·75
27·2	26·6	25·2	23·6	22·2	23·0	19·8	19·0	18·6	17·1	14·4	13·0	12·8	13·0	13·5	20·97
28·6	27·0	26·6	26·2	26·2	25·4	26·4	27·2	27·4	—	—	—	—	—	—	25·87
—	—	—	—	—	—	—	—	—	30·6	30·4	31·8	32·0	32·2	31·3	
36·5	37·0	36·6	34·4	33·6	32·6	32·6	31·8	31·8	32·0	31·5	31·4	31·2	30·9	30·7	34·61
34·8	34·6	33·7	33·5	35·0	35·4	34·4	33·7	31·8	29·4	30·4	35·4	36·8	38·6	39·4	33·61
31·85	31·07	30·21	29·49	29·28	28·81	28·48	27·92	27·88	27·85	26·75	26·86	26·64	26·71	27·08	28·93

WET THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
JANUARY.	1	23·0	23·2	23·8	24·4	24·4	24·8	26·4	26·6	27·4	28·8	28·1	25·4
	2	27·0	28·6	29·4	30·2	30·3	31·2	31·7	31·5	32·0	32·0	32·1	32·5
	3	36·2	36·2	36·6	36·8	36·2	35·2	34·8	34·9	33·4	33·2	32·8	32·5
	4	28·6	26·0	24·6	23·2	22·2	22·2	21·6	21·0	21·6	21·6	21·8	21·6
	5	19·0	18·6	18·2	18·6	19·4	19·8	20·2	20·8	22·2	22·0	22·0	20·4
	6	22·6	23·0	23·4	24·0	24·2	24·8	25·4	27·0	27·0	27·0	27·0	27·7
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	10·8	11·6	12·6	13·8	15·2	17·2	17·4	17·6	18·4	17·8	17·8	17·2
	9	15·0	16·0	18·8	19·8	20·2	21·8	21·0	21·4	22·0	22·4	23·4	24·6
	10	25·2	24·0	24·0	24·4	24·8	25·8	26·4	25·8	25·4	24·5	23·5	22·6
	11	3·6	0·4	3·8	7·4	11·4	14·4	18·6	19·6	20·2	20·3	20·5	20·8
	12	28·0	29·0	30·6	31·6	32·4	32·6	32·6	33·2	34·7	34·4	34·6	34·8
	13	33·8	33·4	33·4	32·6	29·0	28·8	28·8	29·2	30·3	29·8	28·8	28·2
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	27·4	27·2	28·6	29·6	30·4	30·8	30·6	30·5	30·4	30·1	30·5	30·8
	16	33·8	34·4	35·0	35·4	37·6	39·4	40·2	40·2	40·1	39·5	38·8	38·0
	17	28·0	27·4	27·8	27·6	27·6	27·6	27·8	27·6	27·6	27·2	26·8	25·8
	18	21·4	21·4	21·4	23·2	24·3	24·2	24·6	24·8	26·8	25·4	25·4	24·3
	19	16·0	16·0	16·0	17·0	16·4	16·2	18·0	18·0	19·4	19·1	19·0	18·5
	20	6·8	5·8	5·4	6·4	8·6	10·2	12·6	14·4	14·8	14·8	13·2	12·2
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	11·2	11·0	12·2	14·4	15·6	16·2	16·6	17·2	18·2	19·2	23·0	23·4
	23	34·2	35·2	36·8	36·8	37·8	39·8	42·6	40·0	39·8	38·8	38·2	36·9
	24	26·2	24·8	24·8	25·0	24·2	23·8	22·4	20·6	17·7	17·5	16·4	15·1
	25	− 1·2	− 2·3	− 3·4	− 3·8	− 4·4	− 1·0	0·0	1·0	2·4	4·2	4·4	2·8
	26	− 3·6	− 4·6	− 5·0	− 4·0	− 3·2	− 2·0	0·0	2·8	5·5	6·2	6·0	5·2
	27	− 5·8	− 6·4	− 6·0	− 5·0	− 3·2	− 0·6	2·0	4·2	6·5	8·0	7·9	5·1
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	− 1·6	− 2·2	− 3·2	− 2·6	− 0·4	2·4	3·4	3·6	5·2	5·8	5·0	1·7
	30	9·0	9·6	10·2	11·4	13·0	14·2	16·0	16·2	16·2	16·2	15·3	14·7
	31	0·6	0·4	− 0·6	0·0	1·8	4·1	6·5	8·7	10·9	11·9	12·0	10·5
Hourly Means		17·60	17·32	17·75	18·45	19·10	20·14	21·04	21·42	22·08	22·14	22·01	21·32
FEBRUARY.	1	1·0	1·0	4·4	7·8	12·5	20·2	22·0	22·2	22·8	22·1	22·5	23·2
	2	20·4	20·2	20·4	22·4	23·6	24·5	25·9	26·2	26·2	26·1	26·0	23·2
	3	21·4	20·2	17·8	19·0	20·2	21·4	22·8	23·5	24·5	24·7	23·4	21·8
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	31·2	31·2	31·6	32·2	32·4	32·4	32·6	33·2	33·5	34·5	34·3	33·7
	6	32·6	32·6	32·8	33·0	33·4	34·0	34·6	35·6	34·7	34·3	32·8	32·2
	7	18·6	18·8	19·2	20·4	22·6	23·8	25·0	27·0	26·8	27·4	25·7	24·7
	8	18·2	17·8	18·0	18·6	21·0	23·4	25·6	26·3	26·2	25·8	25·3	24·5
	9	8·8	8·6	9·0	9·0	9·2	10·4	11·6	13·0	14·1	14·5	13·9	12·2
	10	15·8	16·0	16·2	17·2	18·8	20·0	21·2	22·8	24·0	25·2	25·3	24·4
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	15·2	14·6	18·0	21·4	25·1	26·0	27·4	28·8	30·7	32·1	32·2	31·5
	13	31·2	30·6	31·6	32·4	32·6	33·0	35·8	35·4	35·2	35·4	33·6	33·6
	14	21·6	20·6	19·6	21·6	21·0	22·4	23·0	24·8	25·7	27·3	27·5	24·2
	15	24·0	24·4	25·4	28·0	29·2	30·0	30·2	30·6	31·2	30·5	30·8	31·5
	16	28·0	27·6	28·4	30·0	31·2	31·8	32·0	32·4	32·0	32·4	32·4	32·1
	17	20·0	19·0	19·8	18·6	18·0	18·2	19·2	20·5	20·1	19·2	16 7	13·5
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	24·2	25·4	26·4	27·2	28·8	30·0	31·8	32·4	32·8	36·2	36·6	35·3
	20	33·4	33·6	34·6	36·0	37·2	37·2	37·8	38·9	38·8	39·9	39·3	38·0
	21	33·8	33·2	34·0	33·6	33·3	34·6	35·8	36·6	36·1	36·4	36·2	34·6
	22	29·0	28·6	30·4	32·6	33·6	35·4	36·8	38·2	39·4	38·6	38·6	38·2
	23	32·4	32·4	32·0	31·4	31·8	30·8	29·0	29·4	29·6	28·2	26·8	25·7
	24	8·4	7·8	8·8	10·2	12·4	15·6	17·0	19·8	21·2	22·2	22·2	22·0
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	24·2	23·0	25·0	29·4	32·6	32·7	34·1	37·3	35·1	34·4	34·1	33·7
	27	30·6	30·0	29·0	29·2	29·0	28·6	28·8	29·1	29·7	30·0	30·6	30·0
	28	21·8	21·4	22·8	25·4	28·6	30·0	31·8	32·0	32·4	32·5	32·4	30·2
	29	32·6	32·6	32·6	33·8	34·8	35·8	36·5	36·8	38·3	40·4	39·4	39·2
Hourly Means		23·14	22·85	23·51	24·82	26·12	27·29	28·33	29·31	29·64	30·01	29·54	28·53

WET THERMOMETER.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°
23·5	22·5	21·4	21·7	21·8	22·9	23·9	24·4	25·4	25·6	26·5	26·8	24·70
32·7	32·7	32·7	32·9	33·3	34·2	35·0	35·0	35·0	35·0	35·8	36·2	32·44
31·8	31·8	31·0	30·5	29·8	27·5	27·0	27·2	27·4	28·0	29·3	29·8	32·08
21·4	21·4	20·8	21·9	19·7	19·5	19·6	20·1	20·0	20·1	19·9	19·8	21·67
18·7	16·8	16·3	18·1	19·2	19·7	19·2	18·0	18·4	20·0	21·5	22·0	19·55
27·7	28·1	27·9	27·6	27·5	27·8	—	—	—	—	—	—	23·29
—	—	—	—	—	—	15·1	16·0	16·1	15·2	14·2	12·6	
17·1	16·3	15·9	14·0	13·9	14·0	12·0	9·2	11·5	12·0	12·8	13·4	14·59
24·8	25·4	25·4	25·5	25·5	25·0	25·5	26·1	26·5	26·6	25·8	25·2	23·05
20·0	18·2	18·2	18 8	19·5	17·2	15·6	13·6	10·0	11·4	10·3	6·4	19·82
20·4	21·4	21·6	22·9	23·2	24·2	24·9	25·5	25·8	25·5	25·9	27·0	18·72
34·6	34·0	35·1	36·2	30·4	37·0	37·1	37·0	37·0	39·1	39·2	36·6	34·49
27·5	27·0	25·8	25·6	25·7	25·6	—	—	—	—	—	—	27·49
—	—	—	—	—	—	23·0	22·5	21·7	22·2	23·4	23·6	
31·0	32·0	32·4	32·5	32·6	32·8	33·0	33·2	33·2	32·5	33·0	33·2	31·18
27·4	37·6	37·0	36·9	35·7	34·7	34·2	33·5	33·3	33·0	32·3	30·0	36·17
26·2	25·2	24·8	24·7	24·7	24·8	24·4	24·0	23·5	22·6	22·0	21·4	25·71
24·0	23·0	23·0	23·2	22·5	21·7	20·7	20·1	19·8	18·4	17·0	15·8	22·35
17·6	17·7	16·0	14·2	13·5	12·6	11·4	10·6	10·1	9·1	8·6	7·8	14·95
12·8	13·5	11·8	10·9	10·4	10·7	—	—	—	—	—	—	10·75
—	—	—	—	—	—	10·0	10·2	10·3	10·5	10·8	11·0	
23·5	25·0	25·8	27·0	28·3	29·2	30·2	31·3	32·2	32·5	32·5	33·5	22·88
35·8	33·4	34·4	33·8	32·8	31·7	30·7	30·1	29·6	29·0	28·0	27·6	34·83
12·9	11·1	10·0	9·0	7·0	5·0	3·6	2·0	0·7	0·2	0·3	− 0·6	13·32
2·2	1·8	1·5	0·9	− 0·4	− 1·0	− 1·8	− 2·4	− 2·8	− 3·0	− 2·8	− 3·0	− 0·50
4·5	3·2	2·2	1·2	0·0	− 1·0	− 1·9	− 2·7	− 3·4	− 4·2	− 5·0	− 5·4	− 0·38
4·2	3·1	2·7	2·2	2·2	2·0	—	—	—	—	—	—	0·81
—	—	—	—	—	—	—	1·1	− 0·5	− 1·8	− 2·1	− 1·2	
5·2	6·1	7·0	7·5	7·2	7·4	7·8	7·4	7·2	7·0	7·8	8·2	4·42
12·9	10·5	9·4	8·8	7·5	6·5	6·6	4·2	1·8	− 1·4	− 0·8	1·0	9·54
5·5	6·2	5·8	7·8	7·5	6·0	5·6	6·2	7·0	6·2	3·4	2·0	5·67
20·59	20·26	19·85	19·89	19·52	19·17	18·94	17·91	17·66	17·46	17·39	17·06	19·42
23·0	23·7	22·2	21·5	21·5	22·0	22·2	23·0	22·5	21·8	20·8	19·8	18·57
22·0	20·6	18·0	14·0	11·8	12·4	14·6	18·1	20·2	21·2	21·5	21·8	20·89
14·2	12·8	11·8	13·0	12·8	11·8	—	—	—	—	—	—	21·62
—	—	—	—	—	—	29·0	29·8	30·2	30·8	30·7	31·2	
33·6	33·7	33·6	33·2	33·2	33·0	32·4	32·6	32·4	32·5	32·3	32·4	32·82
31·8	32·5	31·5	28·8	27·3	25·8	24·2	22·6	16·9	14·8	17·7	18·0	28·94
23·2	20·1	17·4	16·9	16·0	18·7	18·6	21·0	20·8	20·5	20 ·4	19·6	21·38
24·0	23·8	23·1	23·0	22·4	22·5	22·2	19·3	16·7	15·1	13·2	10·2	21·09
9·7	8·8	7·5	7·3	4·8	6·4	10·3	12·8	14·5	15·1	15·0	15·0	10·90
23·5	22·4	21·2	20·0	21·0	20·3	—	—	—	—	—	—	20·42
—	—	—	—	—	—	21·0	20·2	19·0	18·0	17·8	18·8	
30·5	29·8	29·5	29·8	30·2	29·3	30·7	30·9	31·3	31·5	31·0	31·2	27·86
33·0	33·4	32·0	30·4	30·2	27·6	27·0	26·0	25·2	25·0	24·8	22·0	30·71
21·7	20·0	18·3	18·4	17·8	16·8	15·4	14·8	17·8	19·8	19·0	19·4	20·77
31·6	31·4	31·0	30·4	30·0	29·2	28·4	28·1	28·5	29·0	28·7	28·4	29·19
29·8	29·2	27·8	27·2	25·5	25·0	25·1	24·8	24·6	24·0	22·5	21·4	28·22
10·7	9·8	9·4	9·5	9·2	8·8	—	—	—	—	—	—	17·83
—	—	—	—	—	—	25·5	25·0	24·3	24·2	24·4	24·2	
35·3	34·0	32·7	32·5	32·4	32·4	32·0	31·8	32·0	32·2	31·8	33·2	31·64
36·5	37·5	36·8	34·8	32·0	31·0	32·5	32·7	33·0	32·8	33·6	34·2	35·50
34·2	34·3	33·6	33·2	32·6	32·2	31·9	32·0	31·5	29·0	29·5	28·4	33·36
35·3	33·0	32·5	31·2	30·2	29·2	27·3	27·0	27·0	27·4	28·2	30·0	32·40
25·5	25·3	25·0	24·0	23·4	23·0	20·4	17·0	15·2	12·5	10·9	9·9	24·65
18·2	15·8	14·2	13·5	13·5	13·2	—	—	—	—	—	—	17·18
—	—	—	—	—	—	22·0	21·8	22·2	22·8	23·4	24·2	
33·7	33·9	33·8	34·3	34·5	34·2	34·5	36·2	36·0	33·9	32·8	32·4	32·74
27·4	26·5	26·2	26·0	25·4	25·0	24·9	24·5	24·6	23·8	23·2	22·6	27·28
29·2	28·8	29·5	30·0	31·1	30·9	30·9	31·0	31·0	32·4	32·0	32·4	29·60
37·5	38·0	39·6	39·8	39·5	38·8	37·2	36·4	36·0	35·6	36·4	36·6	36·84
27·00	26·36	25·52	24·91	24·33	23·98	25·61	25·58	25·34	25·03	24·86	24·69	26·10

WET THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6
MARCH.	1	36·6	36·6	37·6	39·4	41·0	41·3	41·0	41·4	42·6	39·1	39·5	39·4	38·8
	2	34·8	34·4	33·8	34·0	34·8	35·4	35·7	36·0	37·2	37·0	36·5	34·8	34·3
	3	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	16·2	15·4	14·8	16·0	16·0	17·2	19·2	20·1	21·7	22·7	22·6	22·7	19·8
	5	11·6	13·0	14·8	18·8	23·4	28·0	30·2	32·0	32·6	32·8	32·7	32·7	32·6
	6	25·8	26·2	28·6	31·0	32·2	32·6	33·3	34·5	35·8	36·1	33·4	32·2	31·6
	7	29·0	29·4	31·8	35·0	36·2	36·4	38·0	38·8	40·5	38·3	37·7	36·5	34·4
	8	32·0	32·2	33·6	37·6	37·2	38·0	38·6	38·6	39·5	39·8	41·4	41·3	40·8
	9	29·8	28·8	28·6	29·6	32·6	31·6	31·8	32·5	32·7	32·6	31·5	32·2	31·7
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	28·6	29·6	32·4	35·8	37·6	39·2	40·8	44·0	44·8	43·4	41·4	39·7	36·2
	12	34·8	36·0	38·2	40·2	41·6	40·6	40·4	40·4	39·8	39·8	39·8	39·5	39·4
	13	38·8	39·4	39·8	41·8	44·2	44·0	43·8	42·8	42·2	41·0	40·4	39·2	37·8
	14	28·0	27·2	26·4	27·0	28·0	29·2	31·0	21·2	32·2	32·2	32·2	30·2	28·8
	15	29·0	29·6	29·6	29·8	30·2	30·0	31·6	32·5	32·6	32·7	34·0	34·1	34·3
	16	35·4	34·6	34·6	35·4	34·8	34·8	35·2	36·3	36·5	36·7	36·0	34·8	32·8
	17	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	16·6	17·6	16·6	16·8	17·0	18·0	18·2	18·0	17·1	15·1	14·4	13·3	12·7
	19	13·0	14·8	16·4	19·8	22·6	23·2	24·8	26·5	29·4	29·1	28·1	27·2	26·6
	20	30·4	30·6	30·2	30·0	30·2	29·8	29·8	29·6	29·4	28·2	28·0	27·8	26·8
	21	13·9	13·5	14·8	16·9	18·5	20·8	22·4	24·8	26·2	27·2	28·0	28·1	24·8
	22	24·8	25·4	26·4	26·0	26·2	27·0	27·2	29·0	29·4	31·0	30·3	31·2	29·5
	23	18·2	18·4	19·6	21·0	23·0	24·4	26·0	27·5	29·0	29·8	31·7	31·5	31·8
	24	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	38·0	38·2	38·4	37·8	38·6	36·8	35·8	36·5	37·7	39·5	43·3	41·5	38·4
	26	30·4	31·2	33·2	36·0	37·0	36·8	38·4	40·0	41·4	38·2	36·2	36·1	35·6
	27	30·4	30·4	29·2	28·8	28·3	28·2	28·3	29·2	30·4	30·6	30·3	30·3	30·4
	28	38·2	39·0	39·4	39·6	39·8	40·6	40·6	41·0	42·4	41·9	42·2	43·0	43·8
	29	23·6	21·6	21·6	22·8	25·0	26·6	28·6	30·2	30·4	30·3	29·0	29·3	28·8
	30	19·8	20·2	20·4	20·1	20·0	21·0	22·2	22·2	23·3	24·1	24·5	26·1	25·5
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		27·22	27·43	28·12	29·50	30·62	31·21	32·03	32·91	33·70	33·43	33·27	32·65	31·85
APRIL.	1	19·6	23·2	28·0	29·8	30·5	32·2	32·4	32·8	34·0	35·4	35·5	34·8	31·7
	2	32·0	33·4	34·6	35·4	36·7	37·3	37·9	39·4	40·1	40·7	39·1	38·0	37·0
	3	34·4	35·4	39·4	41·4	44·6	45·8	48·1	50·8	51·9	54·3	54·4	53·0	60·0
	4	45·0	45·6	47·2	50·8	51·8	51·0	51·4	55·0	53·2	56·4	49·8	46·6	45·6
	5	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	35·6	36·0	36·6	37·4	36·6	36·4	36·6	38·2	38·0	38·3	37·8	38·0	38·3
	7	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	35·4	40·6	42·8	47·2	46·2	51·4	52·2	57·5	61·4	62·1	58·7	60·5	57·1
	9	41·8	42·8	45·2	47·6	48·6	50·2	53·8	52·9	51·7	53·5	54·0	53·5	50·5
	10	35·0	40·6	43·6	46·6	49·2	51·6	53·8	56·4	57·5	58·5	58·3	56·6	53·7
	11	40·4	44·8	47·0	48·6	49·6	46·6	47·2	50·1	55·4	52·3	54·9	53·0	49·6
	12	41·8	46·2	49·4	52·0	54·0	54·8	56·2	57·8	57·8	59·5	58·8	59·0	52·5
	13	43·6	46·8	50·6	53·6	54·0	56·4	57·0	58 8	60·5	63·4	60·0	58·7	53·7
	14	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	54·0	55·4	55·6	57·6	58·2	56·4	56·6	56·1	54·1	53·9	54·4	51·4	49·4
	16	45·6	44·0	44·6	49·4	52·0	57·8	56·6	54·0	52·0	51·6	51·8	51·5	53·6
	17	36·2	37·0	36·8	37·6	37·4	38·2	40·5	40·5	41·3	41·4	41·2	41·0	40·5
	18	29·6	32·0	34·4	37·0	39·6	41·6	42·4	43·5	44·6	44·4	44·3	44·0	41·0
	19	29·2	34·0	36·6	38·8	42·2	43·8	47·2	50·0	49·4	48·0	47·2	47·4	44·5
	20	35·0	41·0	43·4	44·6	45·8	48·0	50·0	50·2	52·4	50·0	48·3	48·7	46·7
	21	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	47·0	47·6	47·0	47·8	48·4	48·0	47·4	48·2	47 6	50·8	48·5	47·7	48·0
	23	47·2	48·8	49·6	50·6	52·6	54·6	56·4	56·4	56·2	59·0	59·8	62·6	64·8
	24	49·8	53·4	55·2	54·4	61·0	61·4	62·0	60·8	59·2	58·2	57·4	56·4	54·8
	25	38·2	40·8	43·4	45·8	47·4	48·4	47·9	48·4	50·5	47·1	47·1	48·0	47·1
	26	44·6	44·8	46·4	46·2	45·6	45·2	45·4	45·4	43·8	42·8	41·7	40·0	40·0
	27	31·0	32·0	33·8	36·2	36·8	39·4	38·2	39·9	41·7	41·2	42·8	41·6	39·6
	28	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	35·4	38·8	41·6	44·4	46·0	45·8	47·0	49·2	49·8	49·7	50·3	52·8	49·7
	30	37·6	40·0	43·6	46·6	49·2	48·3	52·1	54·8	52·2	51·3	49·2	48·4	48·3
Hourly Means		38·60	41·00	43·06	45·10	46·56	47·62	48·65	49·88	50·25	50·55	49·81	49·33	47·91

WET THERMOMETER.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°
38·8	37·8	38·0	38·8	41·8	47·2	46·7	45·8	39·3	37·5	36·4	35·8	39·95
34·3	32·2	31·8	30·4	30·2	29·5	—	—	—	—	—	—	31·34
—	—	—	—	—	—	27·5	25·7	23·9	22·9	21·4	18·0	
19·8	18·4	17·2	16·8	15·2	13·7	12·5	12·0	10·6	10·6	10·9	11·0	16·39
32·6	32·5	31·2	31·0	31·0	31·2	31·5	30·0	29·2	28·5	28·2	27·6	27·80
31·6	31·0	29·8	30·0	30·4	29·4	29·6	29·6	29·4	29·7	29·4	27·6	30·80
34·4	33·0	31·5	31·3	30·8	29·9	29·8	29·6	29·4	30·8	31·0	31·6	33·96
40·8	42·2	41·2	40·7	39·4	38·5	37·2	35·8	35·0	33·8	32·5	30·2	37·38
31·7	28·9	27·9	27·5	26·8	26·4	—	—	—	—	—	—	30·08
—	—	—	—	—	—	32·5	30·0	29·2	29·2	28·8	28·8	
36·2	35·2	35·6	35·3	34·8	34·8	34·7	34·2	33·8	33·6	33·5	35·2	36·42
39·4	39·7	39·7	39·0	38·8	39·0	38·8	39·4	39·5	39·4	39·7	39·2	39·28
37·8	37·0	35·8	33·4	32·3	31·1	30·5	30·3	30·0	30·3	29·1	20·0	36·83
28·8	27·1	26·8	27·2	27·7	28·0	27·5	27·6	28·2	27·8	26·0	28·4	28·66
34·3	34·0	35·0	35·5	35·0	35·2	35·2	35·4	35·6	35·9	35·2	35·2	33·25
32·8	31·6	31·0	29·3	29·3	29·0	—	—	—	—	—	—	30·05
—	—	—	—	—	—	21·4	20·0	18·5	10·0	17·0	17·0	
12·7	12·5	12·5	12·7	12·8	12·6	13·8	13·8	13·6	13·2	13·2	13·6	14·82
26·6	26·5	26·5	27·3	27·8	28·2	28·4	28·5	28·1	28·3	20·5	29·8	25·43
26·8	26·3	26·2	25·3	23·9	22·8	20·8	19·0	17·0	15·6	15·0	15·2	25·33
24·8	24·5	24·5	24·2	23·5	23·8	23·8	24·3	23·8	23·8	24·0	24·2	22·68
29·5	26·4	26·0	25·4	24·9	24·2	24·0	23·5	23·2	20·3	19·5	19·0	25·82
31·8	27·2	24·9	23·0	22·7	22·0	—	—	—	—	—	—	27·96
—	—	—	—	—	—	36·0	37·6	36·9	37·8	36·0	35·0	
38·4	34·0	30·5	30·2	30·2	31·7	32·6	30·8	29·2	29·5	30·0	30·4	34·98
35·6	35·0	34·5	34·1	34·0	34·1	33·9	33·2	33·6	33·5	32·6	32·4	35·06
30·4	30·7	31·2	30·8	31·0	30·6	32·0	32·2	32·3	33·9	36·0	37·0	30·94
43·8	41·4	39·8	36·5	36·0	35·8	33·2	31·5	31·7	30·8	28·9	26·2	37·64
28·8	27·7	27·2	25·9	24·8	23·4	22·8	22·6	22·0	21·2	20·8	25·2	25·47
25·5	22·7	20·7	19·0	18·5	17·8	—	—	—	—	—	—	20·64
—	—	—	—	—	—	18·4	17·4	18·0	18·7	17·4	17·4	
31·85	30·63	29·88	29·25	28·98	28·84	29·04	28·45	27·73	27·52	27·08	26·92	29·94
31·7	30·3	30·8	30·5	30·5	29·8	30·6	31·0	31·4	31·5	31·4	31·2	30·79
37·0	36·0	37·1	37·4	36·0	36·0	34·8	35·6	35·9	36·8	36·2	34·6	36·58
60·0	48·0	43·2	41·8	42·8	47·5	49·3	49·8	49·1	44·5	43·8	44·2	46·56
45·6	45·1	43·5	42·8	42·2	40·7	—	—	—	—	—	—	44·86
—	—	—	—	—	—	33·8	34·5	35·2	37·4	36·6	35·4	
38·3	38·2	38·5	38·4	38·1	38·0	—	—	—	—	—	—	37·02
—	—	—	—	—	—	36·0	35·1	35·8	36·2	35·4	35·0	
57·1	55·5	52·7	52·5	52·2	46·7	45·5	42·7	42·0	40·2	40·2	40·2	49·31
50·5	45·4	43·0	41·7	40·3	39·3	38·2	36·1	35·8	35·2	35·3	34·6	44·63
53·7	50·1	48·0	46·4	44·0	43·5	40·7	39·0	38·5	37·5	33·0	38·8	46·91
49·6	47·2	45·8	46·4	45·0	43·8	42·6	41·8	40·8	40·0	41·3	41·0	46·47
52·5	50·4	49·7	48·8	46·9	46·4	44·8	46·8	44·6	44·7	45·2	43·2	50·47
53·7	53·2	50·5	49·2	47·2	46·8	—	—	—	—	—	—	53·73
—	—	—	—	—	—	55·4	55·3	54·7	53·1	54·3	52·8	
49·4	47·2	46·8	46·3	45·4	47·0	46·8	46·5	46·2	46·7	47·4	46·0	51·06
53·6	53·0	47·6	46·4	45·9	45·5	43·0	41·6	40·8	39·0	38·4	36·8	47·60
40·5	37·4	34·0	31·6	30·0	29·4	29·2	29·1	28·8	28·8	28·6	28·4	35·20
41·0	37·2	34·0	32·8	33·1	32·9	32·2	30·3	29·7	29·1	28·5	28·0	36·09
44·5	42·7	41·2	40·6	38·5	37·5	35·8	35·5	35·4	34·5	33·8	33·4	40·30
46·7	44·8	42·7	41·0	39·8	38·0	—	—	—	—	—	—	45·78
—	—	—	—	—	—	49·5	49·0	48·2	47·8	47·0	46·8	
48·0	48·2	49·0	50·1	49·5	49·0	40·7	45·0	45·0	47·0	46·5	46·0	47·75
64·8	64·6	51·8	49·8	48.6	54·2	51·0	50·2	50·5	48·2	49·8	49·6	53·62
54·8	51·8	47·0	44·2	44·0	43·2	42·1	41·4	40·3	38·1	38·7	38·0	50·53
47·1	46·7	45·2	45·9	45·0	45·5	43·0	43·4	42·0	44·0	43·5	43·4	45·40
40·0	39·8	38·7	37·5	37·8	37·8	37·5	37·2	34·5	33·2	31.7	30·8	40·35
39·6	37·4	35·5	34·2	32·8	32·0	—	—	—	—	—	—	36·27
—	—	—	—	—	—	36·2	35·4	34·2	33·2	32·0	33·4	
49·7	47·5	43·5	41·5	39·8	38·4	37·2	36·2	35·2	34·6	34·5	35·8	42·70
48·3	47·5	47·0	47·2	46·8	46·0	46·5	47·3	47·9	46·7	47·4	50·2	47·59
47·91	45·81	43·47	42·60	41·72	41·40	41·17	40·63	40·10	39·54	39·42	39·10	44·30

WET THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
MAY.	1	52·0	52·8	57·2	59·0	60·5	60·4	60·4	59·4	58·0	57·6	57·6	58·4
	2	52·6	55·2	56·4	57·6	58·2	59·6	60·8	61·7	61·3	62·3	59·8	56·4
	3	50·2	54·0	56·6	56·4	57·2	59·8	60·2	59·8	58·8	57·5	60·7	62·8
	4	47·2	48·4	49·8	51·8	49·6	51·4	53·2	51·8	51·8	51·8	49·3	49·8
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	45·0	46·0	45·6	45·8	47·4	49·8	53·0	53·7	54·4	55·1	53·8	48·6
	7	45·8	47·2	47·8	48·4	49·6	51·6	51·6	51·2	53·8	54·4	55·0	57·3
	8	51·4	52·4	53·6	55·2	50·6	50·2	51·8	50·8	52·0	52·0	52·5	54·9
	9	40·8	42·2	43·6	44·8	47·2	48·6	49·0	49·5	49·8	51·0	50·4	51·4
	10	37·6	42·6	43·2	44·6	45·0	46·0	44·8	46·0	46·0	45·0	43·5	42·7
	11	49·2	48·2	50·0	56·6	60·4	61·2	64·4	63·7	68·0	67·5	64·1	65·3
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	36·8	38·6	41·4	41·0	40·8	47·0	42·6	47·0	39·6	38·8	38·5	37·5
	14	43·0	43·6	44·6	47·0	48·4	49·2	52·4	53·2	52·0	52·9	50·4	54·9
	15	42·2	45·8	49·0	51·2	52·6	55·6	58·8	60·1	59·1	58·0	55·0	56·6
	16	47·8	49·2	50·6	52·4	58·6	57·6	56·6	58·5	54·8	53·2	53·0	53·5
	17	44·6	45·0	45·8	49·0	54·0	52·8	53·6	52·6	51·1	50·1	49·2	48·5
	18	46·2	46·8	47·0	50·6	51·0	52·0	49·2	48·6	50·6	49·2	51·5	50·2
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	45·2	45·4	48·0	51·6	54·4	52·6	51·8	57·2	57·1	54·8	52·1	48·2
	21	32·8	32·6	32·6	34·0	35·8	37·4	39·0	42·2	43·5	44·2	45·9	46·2
	22	32·6	39·2	42·6	44·6	47·8	49·4	50·4	50·8	50·6	50·5	52·7	51·3
	23	36·4	39·0	47·2	49·6	52·8	56·5	58·1	61·1	60·1	58·8	58·2	58·3
	24	50·0	52·0	53·6	56·0	58·0	60·0	59·6	60·7	59·7	58·0	61·0	64·8
	25	54·4	57·6	60·8	62·4	66·4	67·5	69·6	69·7	68·3	68·4	68·7	68·2
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	56·6	57·8	58·8	60·6	62·3	63·9	62·7	63·1	—	—	62·8	61·0
	28	54·0	54·8	56·4	57·4	59·2	59·8	59·0	59·6	60·1	59·8	58·8	57·8
	29	49·4	52·5	52·6	53·3	54·4	55·6	56·9	57·8	59·6	58·6	58·6	58·8
	30	50·8	52·2	52·6	53·2	55·6	56·0	61·8	65·0	60·8	59·8	59·4	60·0
	31	54·8	53·5	52·8	53·2	53·6	52·5	54·6	55·0	55·8	55·4	54·2	58·5
Hourly Means		46·27	47·95	49·64	54·38	52·94	54·23	55·03	55·81	55·26	54·83	54·91	54·69
JUNE.	1	48·2	53·0	53·9	54·0	56·6	57·4	61·4	61·2	61·8	60·4	62·0	64·6
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	44·2	46·4	48·4	52·3	55·0	54·9	54·7	56·8	57·6	57·7	59·0	59·8
	4	44·0	47·0	50·0	53·4	56·0	56·6	57·6	58·6	58·6	59·8	59·6	59·8
	5	51·6	52·6	53·8	55·4	55·6	58·6	62·8	64·6	64·0	61·6	63·4	63·2
	6	58·7	62·5	65·5	65·8	64·6	62·8	62·6	61·9	61·4	59·4	58·2	56·8
	7	49·8	49·5	50·4	52·6	55·0	58·0	60·0	63·3	63·0	64·2	58·0	56·8
	8	37·6	40·2	43·8	45·8	47·2	48·8	50·0	51·8	52·8	54·2	55·0	53·1
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	43·6	45·9	45·4	46·4	46·8	48·8	45·2	53·4	45·0	45·4	45·2	44·4
	11	38·8	42·6	45·0	45·6	46·6	50·3	52·0	52·4	52·2	55·4	56·8	57·[illegible]
	12	44·6	47·0	49·2	50·2	52·2	54·5	55·8	56·9	55·6	54·6	54·[illegible]	54·[illegible]
	13	48·0	51·5	54·2	55·4	57·0	57·8	57·8	59·4	60·6	63·2	62·2	61·0
	14	48·7	52·2	56·6	57·4	58·2	59·0	58·8	62·2	64·6	63·6	65·6	62·6
	15	53·2	55·8	57·8	61·4	59·8	62·2	64·0	64·6	64·0	60·5	62·0	63·7
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	58·2	59·6	62·0	63·3	63·8	66·8	66·5	64·9	66·8	65·4	64·8	66·2
	18	62·6	65·5	67·2	69·5	70·0	68·8	71·0	69·8	72·2	75·2	72·8	75·3
	19	64·2	68·0	69·4	70·6	71·0	68·6	68·4	67·3	68·9	70·1	69·1	68·7
	20	55·6	55·6	57·4	58·4	58·8	61·5	60·1	61·7	62·0	60·6	60·4	67·0
	21	52·2	53·6	56·0	54·8	58·0	57·4	58·2	58·0	58·6	60·4	62·0	64·6
	22	51·2	52·6	54·2	54·6	55·0	56·0	54·8	57·2	57·2	57·0	56·6	56·2
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	56·0	58·4	61·4	63·0	64·2	63·0	67·2	68·4	67·4	65·0	65·0	67·3
	25	62·5	62·4	62·6	64·6	67·8	69·6	67·2	69·5	71·8	70·1	73·2	74·6
	26	59·4	60·0	60·6	60·9	62·2	64·0	65·0	64·7	64·0	63·5	62·9	62·4
	27	59·0	59·2	58·4	58·7	58·2	57·6	57·6	57·2	58·8	62·4	63·0	62·6
	28	56·6	57·6	56·4	56·4	58·0	59·0	59·4	59·4	58·6	60·8	60·2	64·6
	29	51·0	52·8	54·2	55·0	57·0	57·6	58·4	59·7	60·7	61·7	61·9	63·0
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		51·98	54·06	55·71	57·00	58·18	59·18	59·66	61·00	61·13	61·29	61·32	62·02

9	10	11
3	4	5
57·6	57·6	58·4
52·3	59·8	56·4
57·5	60·7	62·8
51·8	49·3	49·8
—	—	—
55·1	53·8	48·6
51·4	55·0	57·3
52·0	52·5	54·9
51·0	50·4	51·4
45·0	43·5	42·7
37·5	64·1	65·3
—	—	—
38·8	38·5	37·5
52·9	50·4	54·9
58·0	55·0	56·6
53·2	53·0	53·5
50·1	49·2	48·5
49·2	51·5	50·2
—	—	—
54·8	52·1	48·2
44·2	45·9	46·2
50·5	52·7	51·3
58·8	58·2	58·3
58·0	61·0	61·8
68·4	68·7	68·2
—	—	—
—	62·8	61·0
59·8	58·8	57·8
58·6	58·6	58·8
59·8	59·4	60·0
55·4	54·2	58·5
54·83	54·91	54·89
60·4	62·0	64·6
—	—	—
57·7	59·0	59·8
59·8	59·6	59·8
61·6	63·4	63·2
59·4	58·2	56·8
64·2	58·0	56·8
54·2	55·0	53·1
—	—	—
45·4	45·2	44·4
55·4	56·8	57·8
54·6	54·6	53·5
63·2	62·2	61·0
63·6	65·6	62·6
60·5	62·0	63·7
—	—	—
65·4	64·8	66·2
75·2	72·8	75·3
70·1	69·1	68·7
60·6	60·4	67·0
60·4	62·0	64·6
57·0	56·6	56·2
—	—	—
65·0	65·0	67·3
70·1	73·2	74·6
63·5	62·9	62·4
62·4	63·0	62·6
60·8	60·2	64·6
61·7	61·9	63·0
—	—	—
61·29	61·32	62·02

WET THERMOMETER.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
56·7	55·8	56·4	55·0	54·5	54·5	52·7	51·3	51·0	51·5	51·4	50·0	55·61
58·5	54·9	55·8	54·0	54·2	55·5	55·0	54·6	52·8	50·0	48·0	48·4	55·90
51·8	50·0	52·4	53·7	53·5	52·2	49·8	48·9	49·5	48·3	46·5	46·2	54·03
48·8	48·7	48·4	48·0	—	—	—	—	—	—	—	—	48·39
—	—	—	—	—	—	44·5	43·4	43·4	43·3	44·8	45·4	
48·2	49·0	49·8	50·2	49·2	48·2	48·2	48·0	47·5	47·3	45·9	45·0	48·95
59·2	52·3	49·3	47·3	46·5	47·2	48·3	48·0	47·6	48·2	48·6	51·6	50·32
49·8	47·0	45·1	44·8	43·0	42·5	41·6	41·2	41·0	40·4	40·2	39·8	47·70
50·0	46·5	43·5	41·2	40·2	38·9	38·0	38·1	36·5	34·3	33·0	33·4	43·41
41·9	41·8	40·7	40·5	41·1	41·4	42·7	43·0	43·8	45·4	50·0	51·4	43·78
60·0	65·4	60·5	57·8	55·2	52·4	—	—	—	—	—	—	53·67
—	—	—	—	—	—	38·4	37·9	34·4	33·3	33·9	34·4	
37·2	36·8	37·5	36·7	38·0	39·3	41·1	40·8	41·7	43·5	43·4	44·0	40·40
56·0	50·2	46·5	46·0	43·6	42·8	41·4	40·4	39·0	38·2	39·1	38·6	46·64
53·0	51·6	49·6	49·0	49·6	49·4	50·5	50·5	49·1	49·0	47·7	47·0	51·64
51·8	50·2	45·8	45·4	44·9	44·8	44·7	44·5	44·0	43·6	43·4	43·8	49·57
48·0	48·0	48·3	48·4	48·0	45·4	46·2	47·3	47·8	46·6	46·2	46·0	48·44
49·8	47·6	44·0	42·4	40·0	38·2	—	—	—	—	—	—	46·54
—	—	—	—	—	—	43·5	43·0	43·6	44·0	43·5	44·4	
44·7	42·2	41·7	41·0	39·8	33·2	37·0	35·6	33·7	32·4	32·0	33·0	44·57
40·0	43·2	39·4	37·7	36·2	32·8	31·6	31·0	30·1	29·5	28·6	29·0	36·73
49·9	46·5	45·2	41·3	41·0	41·7	38·8	37·2	36·8	36·5	36·0	35·6	43·71
57·3	56·8	59·5	52·8	51·5	50·4	49·2	47·7	40·6	45·4	44·7	45·0	51·50
63·8	58·8	56·8	55·6	54·6	54·7	54·0	53·1	52·8	53·2	53·1	53·0	56·54
64·8	64·8	61·6	59·1	60·2	61·4	—	—	—	—	—	—	62·12
—	—	—	—	—	—	57·2	57·2	56·6	56·4	55·0	55·2	
61·2	62·6	61·5	61·0	60·0	58·2	58·4	56·8	55·0	54·2	53·4	52·5	59·26
55·5	54·5	52·3	51·0	50·6	49·8	50·0	48·7	47·0	46·6	45·5	46·5	53·95
55·0	52·2	49·2	47·4	47·5	47·2	48·0	48·9	49·2	49·0	49·8	50·4	52·59
58·2	57·2	58·0	58·0	57·8	58·2	57·1	57·0	56·4	55·4	55·0	55·8	57·14
60·5	55·2	52·1	50·4	49·2	46·8	45·6	44·8	44·0	43·8	42·8	41·5	51·27
53·47	51·41	49·78	48·73	48·07	47·39	46·43	45·90	45·22	44·79	44·50	44·70	50·14
60·0	61·8	60·0	59·5	56·2	55·8	—	—	—	—	—	—	54·40
—	—	—	—	—	—	44·6	43·4	43·0	42·6	42·8	41·5	
58·8	53·6	49·6	48·2	45·6	43·8	42·9	42·7	41·9	41·9	41·2	40·0	49·87
56·4	53·0	51·0	49·8	48·7	47·9	48·3	48·7	48·8	49·4	49·3	50·6	52·62
63·0	58·7	57·9	57·6	57·5	55·7	56·4	56·6	56·8	56·8	57·6	57·2	58·29
53·7	54·6	52·8	51·4	50·4	49·6	48·4	48·3	48·5	49·7	49·8	48·8	56·09
53·6	51·0	44·2	41·7	39·2	38·0	37·2	36·0	35·3	33·6	33·2	33·6	48·30
52·4	50·2	50·3	50·0	49·0	47·6	—	—	—	—	—	—	47·32
—	—	—	—	—	—	45·8	43·4	42·6	41·8	42·0	40·2	
44·8	45·0	42·4	41·0	39·8	39·0	38·2	38·3	37·3	37·0	34·3	34·6	42·80
56·4	53·6	49·0	46·1	44·2	42·0	40·7	40·4	41·0	40·4	40·2	41·0	47·08
51·4	49·9	47·9	47·2	47·4	46·5	45·0	44·0	44·0	44·6	45·6	46·1	49·52
60·0	57·4	53·3	50·2	48·6	47·6	46·4	45·2	45·0	45·2	45·2	45·3	53·23
62·6	59·4	56·0	54·2	53·2	51·0	49·5	49·6	49·6	49·0	47·8	48·8	55·84
62·3	58·7	55·9	54·3	52·9	52·5	—	—	—	—	—	—	58·57
—	—	—	—	—	—	57·9	55·9	55·4	56·6	56·8	57·4	
66·0	64·2	62·2	62·4	62·0	61·7	62·0	61·6	61·0	59·8	60·0	60·5	62·99
74·9	70·0	67·0	64·5	64·7	65·0	64·8	63·0	64·2	62·4	62·8	61·8	67·71
66·8	66·0	63·2	61·1	60·0	60·2	61·2	60·2	59·6	59·1	58·0	55·4	64·75
69·8	67·6	61·2	53·0	51·8	50·6	49·4	49·7	49·3	49·3	49·3	50·4	57·10
62·6	60·8	53·8	52·1	52·3	51·4	51·7	50·3	50·0	48·7	49·6	50·0	55·30
57·4	56·2	53·4	50·4	48·8	49·0	—	—	—	—	—	—	54·32
—	—	—	—	—	—	54·4	54·0	55·2	51·0	54·5	53·8	
62·5	62·2	62·9	63·2	66·0	66·0	62·6	60·2	61·2	60·2	61·2	62·0	63·19
76·6	67·2	63·8	63·2	63·0	62·5	61·6	59·6	59·4	59·2	59·0	59·3	65·18
62·8	63·2	62·4	61·6	60·2	60·2	60·0	60·0	58·9	58·6	59·2	59·6	61·51
63·2	61·6	61·2	61·3	61·5	61·2	61·4	63·6	59·8	58·6	57·0	56·8	60·00
61·2	56·7	54·8	52·9	51·4	50·4	49·8	49·5	48·6	46·3	45·6	46·0	55·00
63·2	59·7	55·9	53·4	52·0	51·6	—	—	—	—	—	—	58·67
—	—	—	—	—	—	62·8	63·0	62·8	63·0	63·0	64·8	
60·74	58·49	55·68	54·01	53·06	52·27	52·12	51·49	51·17	50·71	50·60	50·62	55·99

WET THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	1
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
JULY.	1	67·0	69·6	70·0	70·2	69·9	71·9	71·9	71·4	70·7	69·8	69·5	66·3	66·0	61
	2	51·8	57·6	60·2	61·8	63·3	65·9	66·1	66·3	65·6	66·4	67·2	64·0	61·6	61
	3	55·6	56·9	58·6	58·6	59·3	59·2	59·1	59·2	58·2	56·4	56·4	57·2	55·8	53
	4	44·0	45·5	45·4	46·8	50·8	51·2	51·8	52·8	53·0	55·6	58·8	60·6	60·2	57
	5	50·4	53·8	55·4	55·4	56·4	57·6	58·1	59·6	60·4	59·8	59·6	58·9	58·9	59
	6	66·0	61·2	65·2	63·6	63·4	64·0	64·9	65·0	63·0	63·5	63·0	61·0	61·2	62
	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	48·6	50·6	53·3	55·4	56·7	57·6	58·9	60·6	61·4	63·6	66·2	65·5	65·0	62
	9	57·5	61·7	62·7	64·2	66·8	68·0	68·2	65·3	65·4	64·8	64·8	64·6	63·6	63
	10	68·4	71·0	70·0	68·3	68·7	69·6	68·3	67·6	68·6	68·2	68·5	66·3	62·8	61
	11	57·8	59·4	60·8	62·0	63·6	64·4	64·8	66·8	66·7	69·4	70·2	70·0	68·2	66
	12	54·4	58·5	58·7	59·7	58·4	60·7	62·4	66·0	67·8	68·2	67·6	69·5	67·4	62
	13	61·9	63·0	63·1	66·0	65·6	66·3	68·1	69·0	68·4	69·7	67·0	68·4	68·0	65
	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	56·5	58·5	60·0	59·6	60·0	60·8	60·2	60·5	61·2	62·0	61·8	60·8	59·6	59
	16	57·6	57·6	58·0	60·4	60·8	62·5	64·0	65·0	59·0	65·4	63·0	64·2	69·4	65
	17	55·8	58·0	60·0	61·4	62·2	60·4	59·5	68·1	64·6	68·0	68·0	66·8	65·5	64
	18	52·8	55·8	60·4	62·3	65·0	66·8	67·7	69·0	67·8	67·6	67·6	68·0	68·8	66
	19	64·8	65·6	67·0	65·6	67·8	70·8	66·4	66·2	68·0	68·6	67·7	68·6	64·4	63
	20	57·0	58·0	60·7	62·0	63·4	64·0	65·0	65·2	66·6	65·4	66·0	68·8	68·9	65
	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	59·6	63·2	64·0	66·0	68·0	71·0	70·8	71·6	72·0	72·0	73·0	73·4	73·6	72
	23	62·8	62·4	62·8	63·8	65·6	67·6	67·0	68·3	67·6	67·7	68·1	66·0	66·8	68
	24	59·3	59·0	60·2	61·2	62·0	64·8	64·9	65·6	65·3	64·5	63·6	64·0	62·6	61
	25	59·2	59·2	60·6	61·6	60·6	62·3	61·6	64·0	62·1	62·8	64·2	67·8	67·4	64
	26	55·0	55·7	57·0	59·0	59·4	59·4	61·0	63·0	62·2	63·6	65·4	65·6	68·3	63
	27	54·2	59·0	62·8	62·8	63·8	65·0	65·0	65·7	63·7	65·7	69·6	69·2	68·8	63
	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	60·0	63·2	65·0	65·6	67·8	69·4	69·2	71·2	73·6	73·4	72·8	72·2	70·8	69
	30	65·8	68·4	69·2	70·1	70·0	70·6	71·5	70·8	71·4	70·2	70·1	70·1	69·2	69
	31	68·7	70·5	71·8	72·2	72·2	74·8	76·1	74·7	75·4	77·0	72·5	73·8	74·6	71
Hourly Means		58·24	60·11	61·59	62·43	63·39	64·69	64·91	65·87	65·54	66·27	66·38	66·36	66·10	64
AUGUST.	1	60·9	62·4	64·0	65·6	68·3	69·5	71·5	73·3	72·0	75·0	75·8	74·0	74·0	67
	2	56·4	61·0	62·4	63·6	64·4	63·0	63·4	64·2	64·3	64·4	65·2	66·0	64·7	62
	3	54·2	55·6	59·1	61·9	65·3	66·4	67·6	68·4	66·0	65·2	65·2	66·4	65·0	62
	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	47·8	52·7	55·3	58·1	61·1	62·5	64·9	64·7	67·8	66·8	65·2	65·6	62·4	60
	6	61·0	62·0	62·5	63·1	66·2	68·5	65·4	66·4	66·6	64·6	62·8	62·8	62·4	59
	7	50·4	54·2	57·0	61·4	63·5	65·4	68·1	63·0	66·6	65·8	65·8	65·0	64·3	63
	8	62·8	63·8	64·0	66·4	66·8	67·6	68·6	69·0	70·7	73·9	73·3	72·0	70·3	68
	9	65·2	65·3	66·6	66·8	68·3	69·4	69·6	69·4	70·2	71·2	68·6	72·6	67·6	69
	10	56·8	57·8	58·4	57·9	61·2	63·4	63·4	60·7	60·4	61·5	59·4	60·4	59·8	58
	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	48·4	51·4	52·7	54·7	56·0	56·4	60·2	60·0	62·2	60·5	62·8	63·0	61·0	57
	13	52·6	53·8	55·9	60·2	62·0	62·8	63·8	64·0	64·6	61·4	60·8	60·9	61·1	59
	14	57·4	60·0	61·8	63·0	64·2	65·4	66·0	66·2	69·0	67·9	67·2	66·0	65·3	62
	15	61·6	64·6	66·4	67·3	68·1	69·5	69·5	71·5	72·3	69·6	69·2	70·6	68·3	65
	16	60·3	64·4	67·4	68·8	70·2	72·2	73·6	74·2	71·4	75·0	72·2	70·0	68·2	70
	17	61·6	62·6	62·2	62·9	63·3	62·0	62·5	68·0	67·8	69·6	69·0	61·9	59·3	57
	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	65·6	66·2	66·6	68·7	69·6	72·0	73·2	71·8	73·2	75·0	75·5	74·6	73·1	73
	20	66·2	66·8	68·0	64·6	64·4	62·8	62·0	61·4	63·6	63·8	62·3	61·3	61·6	61
	21	48·2	50·4	52·7	55·1	57·0	57·8	57·3	58·3	57·4	58·7	60·4	59·2	59·2	55
	22	56·6	57·7	57·7	58·0	58·9	59·7	60·9	63·2	69·4	72·6	71·4	70·4	67·6	66
	23	64·8	66·4	67·0	65·6	60·9	61·8	62·1	60·8	60·8	61·8	62·6	60·3	59·5	55
	24	48·0	51·4	54·4	57·6	58·6	63·0	57·4	59·9	57·7	58·4	56·9	57·3	56·4	56
	25	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	47·6	50·4	54·8	56·4	59·4	60·0	61·0	61·9	62·3	60·4	58·0	57·3	55·2	55
	27	54·3	54·9	56·1	56·7	57·4	57·6	58·6	61·4	58·0	62·9	59·0	61·6	58·8	56
	28	53·2	54·5	58·6	58·0	61·0	61·8	62·2	56·0	58·0	61·8	61·8	60·0	59·4	57
	29	53·5	54·2	55·8	59·4	59·8	60·2	61·2	61·2	63·8	61·6	63·6	62·7	62·6	57
	30	50·0	52·2	55·0	58·6	61·4	61·0	63·2	66·3	63·3	63·7	64·1	63·6	63·0	62
	31	61·0	62·2	63·0	63·0	66·9	66·8	66·4	67·4	67·2	68·9	69·2	71·2	67·2	61
	32	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		56·53	58·48	60·13	61·61	63·12	64·02	64·58	64·91	65·43	66·00	65·46	65·06	63·71	61

9	10	11
3	4	5
59·8	69·5	66·3
66·4	67·2	64·0
56·4	56·4	57·2
55·6	58·8	60·6
59·8	59·6	58·9
63·5	63·0	61·0
—	—	—
63·6	66·2	65·5
64·8	64·8	64·6
68·2	68·5	66·3
69·4	70·2	70·0
68·2	67·6	69·5
69·7	67·0	68·4
—	—	—
62·0	61·8	60·8
65·4	63·0	64·2
68·0	68·0	66·8
67·6	67·6	68·0
68·6	67·7	68·6
65·4	66·0	68·8
—	—	—
72·0	73·0	73·4
67·7	68·1	66·0
64·5	63·6	64·0
62·8	64·2	61·8
63·6	65·4	63·6
65·7	69·6	69·2
—	—	—
73·4	72·8	72·2
70·2	70·1	70·1
77·0	72·5	73·8
66·27	66·38	66·36
75·0	75·8	74·0
64·4	65·2	66·0
65·2	65·2	66·4
—	—	—
66·8	65·2	65·6
64·6	62·8	62·8
65·8	65·8	65·0
73·9	73·3	72·0
71·2	68·6	72·6
61·5	59·4	60·4
—	—	—
60·5	62·8	63·0
61·4	60·8	60·9
67·9	67·2	66·0
69·6	69·2	70·6
75·0	72·2	70·0
69·6	69·0	61·9
—	—	—
75·0	75·5	74·6
63·8	62·3	61·3
58·7	60·4	59·2
72·6	71·4	70·4
61·8	62·6	60·3
58·4	56·9	57·3
—	—	—
60·4	58·0	57·3
62·9	59·0	61·6
61·8	61·8	60·0
61·6	63·6	62·7
63·7	64·1	63·6
68·9	69·2	71·2
—	—	—
66·00	65·46	65·06

WET THERMOMETER.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
66·0	61·2	59·4	58·6	55·0	55·2	53·2	53·6	52·0	50·8	52·0	51·5	62·78
61·6	61·3	62·0	60·4	59·0	58·6	58·0	58·2	58·0	58·0	54·8	54·1	60·84
55·8	53·2	49·6	48·2	47·9	47·6	46·4	44·0	41·6	40·3	39·6	39·8	52·03
60·2	57·0	51·5	49·2	49·0	49·0	48·2	47·4	45·6	44·2	43·6	44·6	50·24
58·9	59·4	60·0	60·0	60·6	58·6	61·0	62·0	61·0	61·8	60·8	62·2	58·82
61·2	62·5	57·2	55·6	53·8	52·8	—	—	—	—	—	—	57·42
—	—	—	—	—	—	45·6	45·4	45·2	45·2	44·8	45·1	
65·0	62·4	59·8	61·4	56·8	56·0	55·0	54·9	53·6	50·4	54·2	53·4	57·55
68·6	68·0	66·2	63·8	62·9	64·1	63·8	63·8	63·4	64·8	65·3	66·2	64·79
62·8	61·0	60·5	60·4	60·4	59·9	59·0	58·6	58·0	57·8	57·0	56·8	63·99
68·2	66·3	61·6	59·2	58·0	56·4	53·8	50·4	51·4	52·8	50·6	50·5	60·63
67·4	62·6	58·8	57·2	56·8	57·4	57·4	59·0	60·2	59·6	60·2	60·2	61·20
68·0	65·8	63·2	62·0	61·6	62·0	—	—	—	—	—	—	63·08
—	—	—	—	—	—	55·7	56·5	56·8	55·4	55·3	55·2	
59·6	59·6	58·8	60·0	60·2	58·6	58·4	58·6	58·6	58·2	58·3	58·0	59·53
69·4	65·3	61·9	61·0	60·0	59·0	57·2	55·8	56·2	55·8	55·0	54·4	60·35
65·5	64·8	57·8	54·6	52·4	51·7	51·4	49·4	49·0	48·6	47·8	47·6	58·06
68·8	66·0	64·6	65·0	64·0	63·2	63 8	63·3	61·7	61·2	63·4	63·3	64·13
64·4	63·6	59·0	58·2	57·1	56·8	57·1	57·2	57·6	57·3	56·1	55·6	62·80
68·9	65·8	63·5	55·3	53·5	52·6	—	—	—	—	—	—	60·54
—	—	—	—	—	—	57·0	55·8	54·7	54·9	54·6	54·3	
75·6	72·6	71·0	70·6	65·8	64·7	63·8	61·0	61·6	62·4	61·8	62·0	67·40
66·8	68·5	66·4	61·6	64·0	63·2	60·5	59·8	59·6	59·4	59·6	59·7	64·24
62·6	61·6	61·2	61·8	61·6	61·2	61·2	61·1	61·0	61·2	60·9	59·8	62·07
67·4	64·6	58·4	56·6	54·8	53·6	53·7	54·0	55·5	55 6	55·8	54·8	59·62
68·3	63·8	57·2	55·2	53·7	52·6	52·0	51·6	51·2	50·8	50·4	50·2	57·64
68·8	63·5	57·3	54·0	52·1	52·4	—	—	—	—	—	—	60·31
—	—	—	—	—	—	57·0	56·6	55·0	55·6	54·4	54·2	
70·8	69·6	68·2	68·0	66·2	63·6	62·4	62·0	61·8	63·6	63·6	63·9	66·96
69·2	69·2	68·8	68·6	68·6	68·8	68·8	68·8	68·6	68·4	68·4	67·3	69·24
74·8	71·6	64·4	64·6	65·0	65·4	62·4	62·2	60·9	59·8	59·2	58·8	68·70
66·10	64·10	61·05	59·78	58·56	57·96	57·18	56·70	56·29	56·07	55·83	55·69	61·29
74·0	67·4	65·8	65·2	62·8	58·9	57·7	55·2	54·2	53·8	53·0	53·6	64·75
64·7	62·3	59·7	58·4	57·2	55·8	54·8	53·0	52·6	51·2	51·6	51·0	59·61
65·0	62·2	62·0	61·3	60·6	60·2	—	—	—	—	—	—	58·95
—	—	—	—	—	—	48·0	47·8	47·4	46·8	46·6	45·7	
62·4	60·0	59·6	59·8	59·6	60·8	61·8	62·0	61·5	62·2	61·3	61·0	61·02
62·4	59·2	55·6	54·7	53·2	51·8	51·6	51·7	51·6	50·3	49·2	48·8	58·83
64·3	63·8	62·3	62·0	61·6	61·9	62·0	62·2	62·2	61·6	61·4	61·2	62·29
70·3	68·0	67·0	66·2	64·8	65·0	66·4	66·4	66·4	65·8	65·8	66·2	67·38
67·6	69·0	67·8	66·0	63·6	61·2	60·4	60·0	57·6	58·0	56·2	56·2	65·28
59·8	58·6	55·0	52·4	52·6	52·2	—	—	—	—	—	—	55·39
—	—	—	—	—	—	48·2	47·4	47·0	45·2	43·4	46·2	
61·0	57·2	55·0	53·8	53·2	52·8	51·4	49·6	48·4	47·4	47·5	48·3	54·75
61·1	59·4	58·5	57·3	57·8	58·2	57·4	57·6	58·0	58·6	58·3	58·4	59·31
65·3	62·3	61·6	59·4	59·4	58·6	58 6	58·2	58·0	59·2	60·0	61·2	62·33
68·3	65·0	64·4	62·0	61·0	61·0	60·2	60·4	60·2	58·4	59·0	58·8	64·95
68 2	70·0	69·4	67·5	66·7	66·5	65·7	67·6	66·9	65·6	64·0	62·0	68·32
59·3	57·3	56·2	55·9	55·6	53·6	—	—	—	—	—	—	62·50
—	—	—	—	—	—	62·4	64·0	65·4	65·5	65·8	65·6	
75·1	73·2	69·9	68 4	67·7	65·9	64·9	64·4	64·7	64·6	63·4	63·4	69·07
61·6	61·8	57·6	55·0	53·6	53·0	52·6	51·4	50·0	49·4	48·6	47·4	58·72
59·2	55·4	54·2	54·2	54·0	55·0	54·8	53·7	54·5	55·2	55·1	55·6	55·56
67·6	66·2	65·8	65·8	66·8	66·8	67·4	66·5	66·2	65·2	63·6	61·8	64·42
59·5	55·2	53·5	52·6	51·9	51·6	50·2	49·2	48·6	48·6	49·8	47·2	57·20
59·4	56·0	55·0	54·6	53·2	53·0	—	—	—	—	—	—	54·02
—	—	—	—	—	—	50·6	48·4	49·3	46·8	46·8	45·8	
56·2	55·9	55·6	55·6	54·7	54·2	54·6	54·4	54·2	54·0	54·0	54·2	56·13
58·8	56·6	54·2	52 4	51·0	50·6	50·0	51·8	51·4	51·0	52·2	52·6	55·46
59·4	57·4	55·6	55·1	55·2	54·6	54·6	54·0	53·5	53·0	53·9	54·0	56·88
62·6	57·2	56·2	54·4	52·0	52·5	50·4	49·8	48·8	47·8	48·8	49·0	56·10
63·0	62·4	61·8	61·2	60·7	61·0	61·4	60·8	61·2	61·1	61·2	61·0	60·80
61·2	61·9	60·5	58·8	59·0	59·6	—	—	—	—	—	—	64·70
—	—	—	—	—	—	65·8	65·2	65·0	65·4	65·6	65·6	
63·71	61·51	59·99	58·89	58·13	57·64	57·18	56·77	56·47	55·99	55·78	55·62	60·54

WET THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
SEPTEMBER.	1	° —	° —	° —	° —	° —	° —	° —	° —	° —	° —	° —	° —	° —	°
	2	65·8	66·4	67·5	67·9	68·2	68·0	69·4	72·8	72·4	73·2	71·2	70·5	65·8	62
	3	53·8	56·0	57·8	59·4	59·6	60·0	61·4	60·2	61·6	61·6	62·8	63·2	62·8	67
	4	53·6	55·8	57·2	58·2	58·0	58·6	58·6	58·1	58·2	57·2	57·0	57·4	55·4	52
	5	51·0	53·0	55·0	55·8	56·4	57·4	57·2	58·3	57·5	59·7	59·6	58·4	56·7	55
	6	51·3	55·5	60·7	61·9	62·5	63·0	63·7	65·0	65·6	65·0	65·0	64·2	62·2	60
	7	51·7	59·0	60·4	61·0	62·0	63·0	64·5	64·8	64·8	64·4	64·0	63·6	61·4	60
	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	60·2	62·2	62·5	63·6	64·6	66·6	66·3	67·2	67·3	68·8	68·4	69·3	65·6	62
	10	58·8	60·0	61·8	63·0	62·4	64·6	67·0	68·8	67·8	66·6	69·6	68·2	64·8	61
	11	61·2	61·6	62·8	54·4	63·0	65·4	65·8	68·2	68·3	65·7	65·9	64·9	64·2	63
	12	57·1	57·5	58·6	59·5	61·5	63·5	63·4	67·6	67·0	66·4	67·0	67·0	64·0	60
	13	48·0	53·2	57·1	59·6	59·5	62·7	62·9	63·6	61·6	63·4	63·2	66·8	60·0	57
	14	50·6	55·7	59·4	62·0	64·3	67·0	67·0	67·0	68·0	69·8	70·6	71·0	66·2	64
	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	54·7	58·8	62·4	66·0	67·8	68·8	69·2	69·2	69·4	70·4	71·8	71·8	67·4	63
	17	56·0	58·0	62·0	65·5	67·4	66·2	69·2	70·5	71·2	72·9	72·2	70·1	68·4	67
	18	50·4	52·4	53·2	53·9	55·2	58·8	60·6	60·8	61·2	61·7	62·4	64·4	58·4	55
	19	44·6	48·6	54·8	58·0	61·2	64·2	65·8	68·4	69·2	70·4	71·0	70·8	68·6	68
	20	58·7	64·0	66·4	67·8	69·4	70·8	72·7	71·6	71·2	70·0	69·4	68·6	66·4	65
	21	64·8	65·8	66·6	67·0	63·0	59·4	60·4	50·1	48·8	49·0	48·5	50·7	51·9	47
	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	38·0	39·4	42·2	45·8	48·2	53·0	50·6	49·3	50·0	49·0	47·8	46·0	45·2	45
	24	42·5	43·8	45·6	47·9	48·6	50·6	50·2	51·0	52·0	54·0	52·0	51·8	50·8	48
	25	37·3	36·6	41·9	45·4	47·6	49·7	49·3	47·4	47·9	47·0	46·4	46·3	45·9	45
	26	37·4	38·8	40·6	43·0	44·5	45·0	44·6	43·8	44·6	45·4	44·6	43·2	41·1	39
	27	28·8	32·0	35·0	37·4	38·6	40·0	40·6	40·8	40·9	41·1	41·5	40·6	37·6	34
	28	32·7	34·3	36·5	37·2	41·1	42·3	44·4	45·7	45·5	44·4	43·5	43·4	43·0	42
	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	40·2	41·1	44·9	47·5	51·3	52·2	51·4	51·0	50·4	48·8	47·0	45·2	41·8	40
Hourly Means		49·97	52·38	54·92	56·75	57·84	59·23	59·85	60·05	60·10	60·24	60·10	59·90	57·43	53
OCTOBER.	1	30·6	33·6	38·1	42·6	45·0	45·0	46·2	47·6	47·7	47·5	48·3	47·0	42·8	39
	2	41·0	43·8	49·5	53·0	54·0	54·1	55·6	54·6	57·0	57·0	56·6	56·2	55·5	54
	3	43·8	43·8	49·2	51·4	52·8	55·2	55·4	55·2	55·5	55·2	55·6	53·5	53·4	48
	4	43·4	46·2	48·5	50·3	51·2	51·8	55·2	52·0	49·8	51·0	52·4	51·2	50·4	49
	5	46·0	46·2	46·0	46·0	46·4	47·3	47·4	49·0	47·2	47·5	46·7	46·4	46·0	45
	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	32·0	33·6	36·7	38·2	39·8	40·3	40·3	40·0	40·6	42·6	43·6	42·0	37·8	34
	8	29·0	30·5	35·5	41·6	44·8	49·8	53·2	52·8	53·4	54·3	53·4	52·0	50·8	49
	9	48·0	49·0	50·0	52·3	54·5	55·0	57·8	57·2	58·8	54·6	55·1	54·8	49·6	44
	10	53·2	53·6	52·8	52·9	50·4	47·7	46·8	46·6	47·0	47·2	46·4	46·2	44·8	43
	11	35·6	36·4	39·0	40·3	42·9	44·0	46·0	47·7	47·8	47·8	47·5	47·8	40·4	38
	12	32·0	33·2	37·0	41·4	43·9	45·2	46·2	46·6	46·4	46·0	46·0	45·7	41·5	40
	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	44·3	45·4	48·4	49·8	50·8	50·4	50·8	50·0	49·8	49·6	49·4	48·9	48·2	45
	15	41·6	42·6	44·4	47·0	48·2	49·2	49·8	49·8	49·4	48·3	47·8	47·4	44·5	43
	16	36·2	36·8	38·2	40·0	41·3	42·4	43·8	44·8	44·6	45·8	45·8	43·0	43·2	42
	17	40·3	40·2	41·1	41·8	44·0	45·0	44·6	44·2	44·0	43·8	43·8	43·4	42·4	42
	18	38·0	37·8	38·0	38·8	40·2	41·3	41·6	41·2	41·4	41·0	41·0	41·4	43·2	42
	19	37·4	37·6	36·4	37·2	38·6	38·6	37·2	37·2	36·8	36·0	34·8	34·0	33·0	33
	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	35·2	36·0	37·6	39·4	43·4	42·0	41·8	41·5	42·5	41·8	42·0	41·8	41·1	40
	22	40·2	41·6	43·2	45·7	47·1	46·6	47·9	48·8	48·4	49·2	47·3	43·8	42·0	39
	23	35·2	36·2	40 4	42·7	44·2	45·7	47·0	47·8	51·6	49·7	48·4	45·4	42·6	42
	24	36·0	37·8	43·7	46·0	47·6	48·6	50·2	51·6	51·3	50·8	50·3	47·8	47·8	42
	25	46·2	47·0	50·2	51·6	52·8	54·2	55·6	55·8	55·4	55·6	56·0	53·0	49·6	42
	26	37·4	37·6	40·2	42·5	42·8	44·0	44·5	44·5	44·2	43·8	43·6	43·2	42·7	42
	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	26·8	26·8	27·2	27·6	27·8	28·2	28·0	29·0	28·3	28·4	28·1	27·4	27·2	2
	29	27·4	27·4	27·2	29·0	29·0	28·6	28·8	29·2	28·6	28·7	28·0	27·4	27·2	2
	30	27·6	27·8	28·5	29·5	30·3	31·3	32·6	32·8	32·8	33·0	32·2	32·5	32·7	3
	31	19·2	18·0	20·0	25·8	29·6	31·0	32·7	36·4	38·8	39·4	39·2	35·6	30·6	2
Hourly Means		37·17	38·02	40·26	42·39	43·83	44·54	45·44	45·70	45·89	45·76	45·53	44·40	42·64	4

WET THERMOMETER.

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
73·2	71·2	70·5	65·8	62·0	59·4	57·4	56·0	55·4	55·2	54·0	54·1	53·4	53·2	53·2	63·02
61·6	62·8	63·2	62·8	67·4	56·8	55·2	53·7	53·0	52·3	52·0	52·1	52·0	48·4	50·2	57·22
57·2	57·0	57·4	55·4	52·2	49·8	48·9	49·2	48·8	50·0	49·8	50·2	51·0	50·[illegible]	50·6	53·93
59·7	59·6	58·4	56·7	55·3	53·2	54·8	54·4	54·0	54·8	54·2	53·0	51·2	50·[illegible]	51·0	55·10
65·0	65·0	64·2	62·2	60·4	59·8	59·6	57·8	56·0	54·6	54·4	52·0	54·2	52·6	51·5	59·10
64·4	64·0	63·6	61·4	60·4	58·0	56·2	56·0	55·4	—	—	—	—	—	—	60·75
—	—	—	—	—	—	—	—	—	62·1	62·2	62·4	61·3	60·2	59·2	
68·8	68·4	69·3	65·8	62·2	61·4	60·0	59·3	58·6	58·5	58·6	58·6	58·4	57·2	58·2	62·66
66·6	69·6	68·2	64·8	61·7	59·3	58·7	60·4	59·8	62·0	62·0	62·0	62·0	61·7	61·6	63·11
65·7	65·9	64·9	64·2	63·1	62·4	62·3	61·6	60·8	60·2	59·6	59·2	58·0	58·0	57·5	62·67
66·4	67·0	67·0	64·0	60·2	58·5	57·0	57·6	56·8	56·2	55·0	53·3	52·4	50·0	48·6	59·40
63·4	63·2	66·8	60·0	57·6	54·4	53·3	52·3	51·4	51·7	51·4	50·1	50·4	50·2	49·6	56·42
69·8	70·6	71·0	66·2	64·5	63·5	62·3	62·5	61·0	—	—	—	—	—	—	62·25
—	—	—	—	—	—	—	—	—	59·6	58·8	57·6	55·9	55·0	54·6	
70·4	71·8	71·8	67·4	63·6	62·4	60·2	58·4	56·2	56·2	56·6	55·3	54·9	54·6	54·0	62·50
72·9	72·2	70·1	68·4	67·8	64·2	62·3	62·0	64·7	64·0	60·0	54·6	53·8	53·8	51·8	63·69
61·7	62·4	64·4	58·4	55·8	54·0	55·0	53·0	51·6	50·4	49·3	47·2	46·8	46·2	45·8	54·52
70·4	71·0	70·8	68·6	68·0	67·2	65·0	63·2	61·4	61·2	59·6	58·8	59·0	58·8	58·8	62·36
70·0	69·4	68·6	66·4	65·3	64·7	65·7	65·2	63·0	62·0	62·0	62·5	64·4	64·3	64·2	66·26
49·0	48·5	50·7	51·9	47·0	43·6	43·0	41·6	41·0	—	—	—	—	—	—	49·70
—	—	—	—	—	—	—	—	—	38·5	38·8	38·4	38·4	38·6	37·8	
49·0	47·8	46·0	45·2	45·2	44·2	44·6	45·0	43·8	42·2	42·0	42·6	42·2	41·8	42·1	45·01
54·0	52·0	51·8	50·8	48·2	44·8	44·4	43·4	41·0	38·0	38·4	38·6	38·8	36·4	36·0	45·37
47·0	46·4	46·3	45·9	45·4	44·3	43·7	43·2	42·2	41·7	41·0	41·4	41·0	40·4	39·0	43·83
45·4	44·6	43·2	41·1	39·4	37·5	36·8	37·2	37·4	37·2	33·0	31·4	30·6	28·6	28·6	38·93
41·1	41·5	40·6	37·6	34·6	33·0	33·6	34·2	35·0	34·8	35·0	34·4	34·4	33·6	32·8	36·26
44·4	43·5	43·4	43·0	42·4	42·4	42·0	40·8	40·4	—	—	—	—	—	—	40·47
—	—	—	—	—	—	—	—	—	38·8	38·4	37·8	37·6	38·6	38·2	
48·8	47·0	45·2	41·8	40·0	38·8	37·4	35·0	34·0	33·8	31·2	30·9	30·4	31·2	30·4	41·08
60·24	60·10	59·90	57·43	55·59	53·50	52·78	52·12	51·31	51·04	50·29	49·54	49·30	48·58	48·21	54·62
47·5	48·3	47·0	42·8	39·8	38·4	39·2	38·6	38·2	37·6	38·3	37·8	38·8	38·6	39·8	41·13
57·0	56·6	56·2	55·5	54·8	55·1	55·2	55·4	55·5	55·4	—	51·2	50·3	49·0	46·0	52·86
55·2	55·6	53·5	53·4	48·2	47·4	46·6	45·0	46·0	46·2	45·4	44·0	43·4	43·4	43·0	49·11
51·0	52·4	51·2	50·4	49·8	48·8	47·8	47·0	46·0	45·4	45·2	44·2	43·0	44·4	45·4	48·35
47·5	46·7	46·4	46·0	45·8	44·6	45·0	44·0	44·C	—	—	—	—	—	—	43·20
—	—	—	—	—	—	—	—	—	36·2	36·2	34·5	34·0	31·5	32·2	
42·6	43·6	42·0	37·8	34·2	34·2	32·2	31·6	30·5	30·9	31·0	30·5	30·0	29·7	28·8	35·48
54·3	53·4	52·0	50·8	49·3	48·9	49·1	49·1	49·0	48·8	48·6	48·6	48·0	48·4	48·2	47·38
54·6	55·1	54·8	49·8	48·6	51·4	47·7	44·0	43·0	43·1	44·8	45·0	48·0	49·7	53·2	50·64
47·2	46·4	46·2	44·8	43·4	41·0	40·8	40·8	40·4	38·4	37·8	37·2	36·2	36·0	35·2	44·28
47·8	47·5	47·8	40·4	38·6	37·0	36·8	36·2	34·0	34·5	33·6	32·3	32·0	31·8	32·2	39·26
46·0	46·0	45·7	41·5	40·6	43·0	45·8	45·0	42·1	—	—	—	—	—	—	42·78
—	—	—	—	—	—	—	—	—	43·0	41·0	53·3	43·0	42·6	43·2	
49·6	49·4	48·9	48·2	47·9	47·2	47·0	46·9	47·0	47·1	46·6	46·4	45·0	44·0	43·0	47·66
48·3	47·8	47·4	44·5	43·1	42·3	41·4	40·6	39·6	38·7	38·2	37·2	37·2	36·6	36·2	43·38
45·8	45·8	43·0	43·2	42·1	41·0	39·2	39·6	39·6	39·0	39·0	28·4	38·8	39·8	39·8	40·92
43·8	43·8	43·4	42·4	41·4	40·6	41·2	41·2	40·8	40·4	40·2	40·0	39·7	38·7	38·7	41·73
41·0	41·0	41·4	43·2	44·5	46·7	40·6	40·6	50·6	53·2	45·2	43·6	40·2	39·4	38·2	42·77
36·0	34·8	34·0	33·0	32·4	32·0	31·6	31·7	30·3	—	—	—	—	—	—	34·77
—	—	—	—	—	—	—	—	—	26·4	32·8	34·0	35·6	36·8	36·0	
41·8	42·0	41·8	41·1	40·0	38.6	40 6	38·2	36·0	35·6	34·2	37·0	38·6	39·0	39·5	39·31
49·2	47·3	43·8	42·0	39·4	37·4	36·2	36·6	35·4	35·0	36·7	36·1	37·0	35·8	37·0	41·43
49·7	48·4	45·4	42·6	43·2	45·5	45·3	43·2	41·0	37·8	37·0	35·2	35·6	35·4	36·0	42·17
50·8	50·3	47·8	47·8	47·8	44·2	45·0	45·2	43·2	46·2	46·2	47·0	46·0	46·2	45·8	46·35
55·6	56·0	52·0	49·6	47·1	45·4	43·6	42·2	40·3	37·8	34·6	37·0	38·6	39·2	39·8	47·02
43·8	43·6	43·2	42·7	42·4	42·6	42·7	38·8	37·4	—	—	—	—	—	—	38·80
—	—	—	—	—	—	—	—	—	32·0	31·2	30·0	28·6	27·4	27·0	
28·4	28·1	27·4	27·2	27·0	27·0	27·4	27·4	27·6	27·4	27·4	27·0	27·2	27·4	27·4	27·54
28·7	28·0	27·4	27·2	27 0	27·2	27·2	27·9	28·2	28·2	28·6	28·8	28·8	28·0	27·4	28·08
33·0	32·2	32·5	32·7	33·1	33·0	30·7	28·0	25·0	24·3	24·4	25·4	24·2	20·4	18·2	28·76
39·4	39·2	38·6	30·6	29·3	28·4	28·0	27·4	26·4	—	25·8	25·2	24·6	25·0	25·4	28·77
45·76	45·53	44·40	42·64	41·51	41·07	49·85	40·07	39·17	39·56	37·42	37·66	37·51	37·19	37·13	41·26

WET THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
NOVEMBER.	1	25·2	25·8	20·0	32·6	39·9	40·6	42·4	41·7	40·8	40·6	40·2	40·2
	2	38·8	37·7	38·9	41·4	43·0	43·8	45·4	46·1	47·0	47·0	47·2	43·2
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	38·0	37·5	39·2	39·9	40·9	41·3	41·2	41·8	42·4	43·0	41·8	41·4
	5	35·4	35·7	38·1	39·5	41·6	40·8	43·0	42·2	42·0	42·2	40·8	39·5
	6	31·6	30·8	32·0	35·4	37·4	38·4	38·8	40·2	41·5	42·2	41·7	38·6
	7	39·2	36·2	37·2	41·4	44·0	45·2	46·4	45·9	45·4	44·6	44·0	43·2
	8	31·0	29·0	32·3	33·7	35·2	36·0	35·7	36·4	36·9	36·8	35·5	34·8
	9	30·0	30·6	31·4	32·0	32·4	35·8	37·0	38·4	39·6	40·2	39·4	36·1
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	39·3	39·2	39·4	39·8	40·2	40·8	41·0	41·8	42·4	41·4	41·2	41·5
	12	41·8	42·2	42·6	43·2	43·8	45·2	46·4	46·4	46·6	46·5	46·4	45·6
	13	34·0	32·6	31·7	31·8	31·3	32·0	32·7	32·6	33·0	33·0	32·0	31·2
	14	27·2	27·8	29·3	30·8	32·1	33·0	34·0	35·2	36·1	37·6	36·4	35·6
	15	33·0	33·2	33·2	33·3	36·4	37·0	38·4	39·2	39·2	40·0	40·0	38·8
	16	31·0	32·6	33·4	36·2	40·0	42·2	43·0	44·2	44·8	42·6	41·2	38·3
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	30·8	31·0	30·4	29·6	29·8	30·4	31·8	31·9	31·3	29·1	28·2	26·5
	19	25·0	24·8	27·4	29·8	31·4	32·4	34·0	36·4	37·0	38·2	39·3	40·0
	20	30·7	32·3	33·7	35·3	37·2	36·5	38·6	40·0	40·4	40·8	39·5	36·6
	21	28·4	29·4	31·8	36·6	40·0	42·2	41·7	41·4	41·2	41·6	39·2	39·4
	22	33·6	37·4	38·4	39·6	41·7	40·4	40·0	39·4	40·4	40·2	40·9	40·2
	23	38·2	37·4	36·8	37·2	38·5	38·6	38·8	39·0	39·0	38·4	36·6	35·2
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	17·2	17·4	18·5	19·8	20·8	20·6	22·2	22·0	23·3	23·1	22·4	21·6
	26	21·6	24·4	24·8	26·3	26·6	26·8	27·3	28·6	29·6	30·0	29·8	29·6
	27	18·2	18·5	18·9	16·8	16·4	17·0	17·6	19·4	18·2	18·2	15·8	15·4
	28	23·3	21·0	19·2	19·0	20·0	21·4	22·2	22·6	22·4	22·0	21·4	19·6
	29	22·4	23·2	24·4	26·4	29·0	30·7	31·4	31·4	31·2	31·3	30·8	30·5
	30	32·8	33·2	34·2	35·2	36·4	37·0	36·8	36·4	36·9	36·4	35·3	34·6
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		30·68	30·80	31·78	33·18	34·85	35·62	36·45	36·95	37·25	37·19	36·42	35·28
DECEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	28·2	27·8	27·0	27·3	28·2	28·2	29·0	29·6	31·6	31·4	30·2	27·6
	3	29·3	27·3	29·6	30·2	31·4	32·2	32·7	33·2	33·6	33·0	32·8	33·0
	4	32·0	32·4	32·8	35·5	36·0	36·0	36·4	36·4	35·4	34·8	33·4	34·5
	5	32·4	32·6	32·6	32·5	32·0	32·0	32·0	32·4	32·6	32·8	32·6	33·1
	6	33·2	33·0	33·2	33·7	33·6	33·8	33·7	33·2	33·0	32·7	32·2	33·4
	7	41·9	42·4	43·2	44·5	43·4	41·7	41·8	40·6	38·8	36·4	33·8	33·6
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	20·0	20·6	21·3	22·6	24·6	27·6	29·4	31·2	31·2	31·2	30·6	29·0
	10	28·6	26·0	25·3	24·6	24·8	25·6	25·8	26·4	26·2	26·4	26·2	25·2
	11	26·8	27·0	27·0	27·6	29·6	30·0	30·0	30·7	31·3	31·2	30·3	30·4
	12	22·9	22·9	26·0	32·0	32·4	32·8	33·4	35·1	35·8	36·0	33·8	32·6
	13	34·9	34·6	34·8	34·7	34·4	35·0	35·5	35·6	35·8	35·2	34·8	33·8
	14	30·1	29·8	29·9	31·0	32·0	32·6	32·6	34·0	34·0	33·6	33·0	32·4
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	22·4	22·0	21·6	20·2	20·4	19·8	20·0	20·3	19·6	20·0	19·4	18·4
	17	15·0	15·0	15·2	16·6	18·6	19·8	20·8	22·2	22·6	22·7	21·2	20·3
	18	1·6	3·4	6·7	12·4	16·1	19·0	21·3	22·1	24·0	23 9	23·3	23·0
	19	19·6	20·2	21·0	21·5	22·6	23·6	22·8	22·7	22·0	21·2	20·0	19·6
	20	8·8	10·2	11·5	10·5	15·0	17·3	20·0	20·0	20·4	19·0	18·6	18·0
	21	25·4	25·8	25·6	26·6	26·6	27·2	26·8	28·6	29·6	30·6	31·4	31·4
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	30·2	29·0	28·6	28·4	27·5	27·5	26·8	26·2	25·8	24·8	24·1	24·0
	24	25·6	26·6	26·2	26·7	27·6	30·4	29·8	30 2	31·4	32·0	32·4	32·6
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	40 0	40·2	41·0	41·2	40·8	41·6	46·2	46·6	41·8	40·6	37·0	35·8
	27	21·2	20·4	19·3	19·4	20·7	22·7	23·6	24·0	24·4	24·2	23·4	22·6
	28	13·0	13·4	13·8	16·0	19·4	22·8	24·8	26·0	25·8	25·8	24·8	24·7
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	32·2	32·6	34·3	35·4	36·5	35·6	34·2	33·0	33·0	33·2	32·6	32·6
	31	29·7	28·4	28·2	29·8	30·6	30·6	30·2	31·8	32·5	32·4	32·5	31·7
Hourly Means		25·80	25·74	26·23	27·24	28·19	29·02	29·56	30·06	30·10	29·78	28·98	28·53

WET THERMOMETER.

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
40·6	40·2	40·2	37·8	37·4	37·4	37·2	37·2	37·6	37·4	37·4	37·8	38·2	39·2	39·1	37·20
47·0	47·2	43·2	41·6	38·8	37·8	37·8	37·8	38·0	—	—	—	—	—	—	41·39
—	—	—	—	—	—	—	—	—	41·4	41·2	41·0	40·8	39·7	38·0	
43·0	41·8	41·4	41·0	41·6	41·4	41·1	40·3	36·5	37·2	37·2	36·9	34·3	34·0	33·5	39·31
42·2	40·8	39·5	37·5	36·2	35·4	35·0	34·4	34·8	35·2	33·0	33·0	33·0	33·2	32·8	37·26
42·2	41·7	38·6	34·8	32·2	30·6	29·8	30·2	29·8	31·8	35·2	38·0	38·0	39·0	40·2	35·76
44·6	44·0	43·2	42·8	42·6	41·6	41·4	41·4	41·2	41·0	41·3	37·2	35·4	34·6	32·9	41·09
36·8	35·5	34·8	34·0	34·0	34·6	34·7	34·5	32·3	30·2	29·2	29·0	27·3	27·0	29·0	32·88
40·2	39·4	36·1	32·9	30·2	30·3	30·2	30·0	29·9	—	—	—	—	—	—	35·22
—	—	—	—	—	—	—	—	—	40·6	39·6	39·5	40·0	39·7	39·6	
41·4	41·2	41·5	41·4	41·5	41·0	40·8	41·0	41·0	40·6	41·0	41·4	41·2	41·2	41·2	40·89
45·6	46·4	45·6	45·6	45·3	45·2	40·4	39·6	38·4	37·2	36·4	35·4	34·2	34·6	34·2	41·80
33·0	32·0	31·2	29·8	29·2	29·0	29·4	29·4	29·4	29·6	29·0	28·4	28·2	28·2	27·8	30·64
37·6	36·4	35·6	32·6	31·5	30·0	30·2	30·6	31·8	32·3	31·1	30·8	28·4	27·8	32·7	31·87
40·0	40·0	38·8	37·4	35·8	32·6	31·9	31·3	30·8	31·4	30·6	30·4	29·8	29·0	30·0	34·28
42·6	41·2	38·3	37·0	35·2	36·3	40·0	40·3	40·6	—	—	—	—	—	—	38·07
—	—	—	—	—	—	—	—	—	39·0	37·2	36·5	35·2	34·7	32·2	
29·1	28·2	26·5	26·5	26·0	26·0	26·0	26·0	25·3	25·0	25·0	25·6	24·8	25·6	24·8	27·81
38·2	39·3	40·0	39·6	36·6	34·4	33·8	34·4	34·8	33·4	30·2	31·4	31·2	28·4	30·6	33·10
40·8	39·5	36·6	33·2	33·6	33·6	32·3	30·4	28·4	28·6	28·2	29·0	27·1	26·9	28·4	33·39
41·6	39·2	39·4	38·2	36·7	33·3	31·6	30·4	31·2	33·4	34·4	34·0	33·6	32·8	33·6	35·67
40·2	40·9	40·2	40·2	40·9	40·8	40·6	40·6	40·8	41·0	41·0	40·0	39·8	38·8	38·8	39·81
38·4	36·6	35·2	36·0	36·2	34·0	36·2	30·0	27·6	—	—	—	—	—	—	31·69
—	—	—	—	—	—	—	—	—	21·0	20·0	19·6	17·8	17·0	17·4	
23·1	22·4	21·6	20·6	18·0	16·5	16·4	15·8	16·6	18·2	18·3	18·5	19·4	21·0	21·0	19·55
30·0	29·8	29·6	29·4	29·4	28·6	26·6	25·4	24·4	22·6	23·0	23·4	23·2	22·2	20·0	25·98
18·2	15·8	15·4	13·6	12·4	14·0	15·0	14·4	13·8	13·6	14·2	14·8	15·9	18·0	22·3	16·35
22·0	21·4	19·6	19·4	19·4	19·0	19·4	19·6	19·6	19·8	20·2	20·6	21·0	21·2	21·6	20·62
31·3	30·8	30·5	30·5	30·4	31·0	30·2	30·0	31·2	32·4	32·6	32·9	32·5	32·4	32·7	30·04
36·4	35·3	34·6	34·0	34·0	33·5	34·0	33·6	33·4	—	—	—	—	—	—	33·28
—	—	—	—	—	—	—	—	—	28·8	28·8	28·6	28·4	28·4	28·0	
37·19	36·42	35·28	34·13	33·27	32·62	32·15	31·87	31·51	31·64	31·36	31·28	30·72	30·56	30·86	33·27
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
31·4	30·2	27·6	26·6	26·4	26·4	27·7	27·4	28·4	28·2	25·8	24·8	26·0	28·0	28·4	27·92
33·0	32·8	33·0	32·7	33·0	34·0	32·6	32·8	33·6	33·2	28·7	28·3	27·4	29·6	31·0	31·47
34·8	33·4	34·5	34·0	34·0	33·8	33·7	33·6	33·5	33·4	33·0	32·2	32·0	32 0	32·4	33·88
32·8	32·6	33·1	33·3	33·2	33·2	33·4	32·4	32·2	32·2	32·2	32·6	32·6	32·6	32·5	32·58
32·7	32·2	33·4	33·4	34·8	35·2	36·0	36·6	37·4	38·6	38·4	39·8	40·2	40·6	41·2	35·45
36·4	33·8	33·6	33·6	33·6	33·0	33·0	25·9	22·4	—	—	—	—	—	—	33·22
—	—	—	—	—	—	—	—	—	24·2	24·1	22·3	21·8	21·0	20·3	
31·2	30·6	29·0	26·0	26·2	24·6	24·5	24·8	25·6	27·0	27·3	27·3	27·0	26·7	27·6	26·41
26·4	26·2	25·2	24·8	24·5	21·2	23·9	23·8	24·4	25·0	25·2	25·2	26·6	27·0	27·4	25·55
31·2	30·3	30·4	30·0	30·0	30·3	29·1	28·6	31·0	28·4	23·6	24·2	22·0	22·0	22·0	28·05
36·0	33·8	32·6	32·8	32·8	33·8	34·0	34·0	34·4	34·6	34·8	34·0	34·4	34·8	35·9	32·75
35·2	34·8	33·8	33·6	33·0	33·0	33·0	33·0	33·0	32·6	32·2	32·1	31·4	30·2	31·0	33·63
33·6	33·0	32·4	32·4	31·7	31·2	30·4	30·3	30·3	—	—	—	—	—	—	29·47
—	—	—	—	—	—	—	—	—	22·6	22·0	21·8	23·4	23·2	23·0	
20·0	19·4	18·4	18·2	17·4	17·2	17·2	17·4	17·4	17·2	15·4	15·2	15·0	15·8	15·0	18·44
22·7	21·2	20·3	21·0	20·3	19·8	17·4	16·2	16·4	15·8	13·8	12·0	6·0	3·0	0·4	16·34
23 9	23·3	23·0	21·4	21·0	21·0	21·0	20·4	19·4	18·4	16·4	17·9	18·7	17·8	19·0	17·88
21·2	20·0	19·6	19·0	17·2	17·6	18·2	18·2	16·2	12·5	9·2	5·7	4·3	5·9	9·8	17·08
19·0	18·6	18·0	17·9	17·5	17·0	18·2	18·2	18·0	17·8	17·2	20·6	21·4	23·8	24·0	17·54
30·6	31·4	31·4	31·4	29·2	24·8	24·3	24·3	28·0	—	—	—	—	—	—	28·82
—	—	—	—	—	—	—	—	—	33·8	33·0	32·5	32·2	31·3	31·0	
24·8	24·1	24·0	23·4	23·1	23·0	22·8	20·8	21·0	21·8	21·8	23·8	24·6	25·0	25·4	24·97
32·0	32·4	32·6	30·8	32·6	32·6	32·6	32·2	30·6	—	—	—	—	—	—	32·60
—	—	—	—	—	—	—	—	—	39·4	39·4	40·9	40·0	40 4	40·2	
40·6	37·0	35·8	32·2	29·2	27·5	27·0	25·8	25·3	25·0	23·8	23·7	22·0	22·8	22·7	33·28
24·2	23·4	22·6	21·6	20·0	20·4	18·4	17·8	17·4	16·4	13·8	12·7	12·3	12·4	12·8	19·25
25·8	24·8	24·7	25·9	25·4	24·2	24·8	25·3	26·2	—	—	—	—	—	—	24·15
—	—	—	—	—	—	—	—	—	30·0	28·6	29·2	29·8	30·2	29 8	
33·2	32·6	32·6	32·4	30·6	29·4	29·8	29·2	29·4	30·3	30·2	29·8	29·8	29·8	29·6	31·90
32·4	32·5	31·7	31·6	32·6	32·7	32·8	32·5	31·4	28·6	29·4	32·0	33·6	34·2	35·2	31·46
29·78	28·98	28·53	28·00	27·57	27·17	27·03	26·46	26·52	26·68	25·56	25·59	25·38	25·60	25·90	37·31

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

		Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12
		Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6
Humidity of the Air.	JANUARY.	1	90	90	93	90	90	85	87	80	78	78	95	84	85
		2	89	92	92	91	92	92	91	92	88	89	85	85	81
		3	98	98	98	98	96	96	95	95	94	96	95	95	97
		4	86	85	84	82	82	82	81	76	77	77	77	78	82
		5	75	74	80	80	81	78	66	72	71	64	72	82	81
		6	87	83	84	82	76	79	77	80	82	85	82	82	83
		7	—	—	—	—	—	—	—	—	—	—	—	—	—
		8	71	70	69	79	81	81	80	76	77	76	81	82	75
		9	93	92	81	81	81	92	78	85	91	92	95	92	95
		10	85	78	79	79	80	79	75	76	76	76	79	73	72
		11	100	95	100	92	92	74	89	89	93	90	92	88	83
		12	86	84	89	89	85	78	75	85	95	96	98	98	99
		13	72	77	77	82	78	79	78	78	74	79	74	77	78
		14	—	—	—	—	—	—	—	—	—	—	—	—	—
		15	88	75	84	86	86	86	81	81	87	89	82	86	82
		16	98	98	98	98	95	95	92	92	92	92	95	93	95
		17	71	68	72	73	73	73	73	73	73	75	73	70	79
		18	72	76	78	77	71	68	69	65	77	68	71	71	76
		19	89	85	85	86	86	89	81	75	75	73	75	73	67
		20	85	85	85	78	76	66	72	81	78	82	85	82	82
		21	—	—	—	—	—	—	—	—	—	—	—	—	—
		22	91	94	93	93	97	97	97	95	97	97	92	87	92
		23	96	98	98	100	100	98	82	73	72	66	66	70	75
		24	67	67	69	69	88	66	82	66	80	74	63	68	73
		25	87	87	87	90	59	87	86	82	76	75	78	79	82
		26	79	86	90	86	87	74	71	64	75	60	66	79	87
		27	89	89	95	90	87	87	78	77	74	80	81	87	87
		28	—	—	—	—	—	—	—	—	—	—	—	—	—
		29	96	91	90	91	95	100	100	87	89	92	87	87	89
		30	96	96	97	97	96	93	95	95	97	95	92	93	83
		31	92	95	95	86	73	73	74	71	77	82	78	73	83
	Hourly Means		86	85	87	86	85	83	82	80	82	81	82	82	83
Tension of the Vapour.	JANUARY.	1	In. ·118	In. ·119	In. ·125	In. ·126	In. ·126	In. ·122	In. ·133	In. ·127	In. ·128	In. ·137	In. ·149	In. ·129	In. ·116
		2	·139	·150	·156	·158	·160	·165	·168	·168	·168	·168	·168	·167	·163
		3	·209	·209	·212	·214	·207	·200	·195	·196	·183	·184	·180	·178	·176
		4	·144	·130	·121	·112	·108	·108	·105	·096	·101	·101	·101	·102	·105
		5	·087	·085	·088	·090	·094	·094	·084	·093	·097	·090	·098	·109	·092
		6	·114	·112	·115	·116	·110	·116	·118	·129	·132	·135	·132	·135	·136
		7	—	—	—	—	—	—	—	—	—	—	—	—	—
		8	·058	·060	·063	·072	·079	·086	·085	·083	·086	·084	·088	·086	·080
		9	·087	·090	·092	·097	·098	·115	·098	·107	·114	·118	·125	·124	·132
		10	·125	·112	·113	·114	·117	·122	·120	·119	·116	·112	·111	·102	·089
		11	·056	·043	·056	·062	·070	·071	·098	·102	·108	·106	·108	·107	·100
		12	·140	·146	·159	·166	·166	·160	·156	·171	·195	·194	·198	·200	·199
		13	·158	·162	·162	·164	·138	·139	·137	·138	·140	·144	·132	·131	·128
		14	—	—	—	—	—	—	—	—	—	—	—	—	—
		15	·138	·124	·143	·151	·155	·157	·151	·151	·156	·155	·151	·157	·154
		16	·191	·196	·201	·203	·217	·233	·236	·236	·234	·230	·230	·217	·215
		17	·125	·118	·124	·125	·125	·125	·126	·125	·125	·125	·122	·113	·125
		18	·097	·099	·101	·107	·107	·103	·106	·103	·126	·108	·111	·107	·110
		19	·087	·085	·085	·089	·087	·088	·089	·084	·089	·086	·087	·084	·076
		20	·056	·054	·054	·052	·055	·054	·065	·078	·075	·079	·075	·069	·073
		21	—	—	—	—	—	—	—	—	—	—	—	—	—
		22	·072	·073	·077	·085	·091	·094	·095	·097	·102	·106	·119	·118	·122
		23	·193	·202	·214	·217	·216	·240	·242	·205	·201	·183	·178	·176	·177
		24	·111	·104	·106	·108	·123	·099	·108	·086	·086	·080	·068	·068	·066
		25	·040	·038	·036	·037	·025	·040	·042	·042	·042	·045	·047	·044	·045
		26	·033	·034	·035	·034	·036	·034	·036	·030	·046	·041	·044	·390	·052
		27	·033	·032	·035	·035	·036	·041	·042	·046	·050	·056	·057	·053	·052
		28	—	—	—	—	—	—	—	—	—	—	—	—	—
		29	·043	·040	·038	·040	·045	·054	·056	·051	·055	·058	·054	·053	·056
		30	·068	·070	·072	·076	·082	·084	·092	·093	·094	·093	·087	·086	·074
		31	·046	·046	·044	·042	·044	·044	·050	·053	·063	·069	·066	·069	·053
	Hourly Means		·103	·101	·105	·107	·108	·111	·112	·111	·115	·114	·114	·112	·110

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
78	95	88	85	91	90	96	96	96	98	93	94	92	93	91	90
88	89	85	81	89	87	82	84	95	98	96	95	93	96	98	91
96	95	95	97	97	92	94	95	89	89	96	92	94	91	85	94
77	77	78	82	87	83	97	86	86	86	84	82	81	82	81	83
64	72	82	81	91	92	92	91	90	92	89	92	88	88	85	82
85	82	82	83	86	88	86	80	80	—	—	—	—	—	—	81
—	—	—	—	—	—	—	—	—	80	79	80	80	74	66	
76	81	82	75	74	77	79	83	79	82	85	89	84	83	84	79
92	95	92	95	97	97	97	97	90	92	91	89	81	80	77	89
76	79	75	72	82	81	83	85	84	90	91	83	91	91	92	82
90	92	88	83	83	82	83	83	84	84	85	79	79	82	84	87
96	98	98	99	99	99	97	97	96	97	98	98	99	88	78	92
79	74	77	78	77	76	77	80	80	—	—	—	—	—	—	82
—	—	—	—	—	—	—	—	—	93	95	95	93	95	93	
89	82	86	82	86	81	74	75	82	81	95	97	97	98	96	86
92	95	93	95	93	91	94	73	79	85	78	79	79	77	70	89
75	73	70	79	78	79	83	81	86	80	78	78	74	71	74	75
68	71	71	76	71	71	75	74	76	75	74	74	77	82	88	74
73	75	73	67	69	68	79	84	88	80	80	80	80	83	83	80
82	85	82	82	83	81	80	78	86	—	—	—	—	—	—	83
—	—	—	—	—	—	—	—	—	91	91	96	95	94	91	
97	92	87	92	86	87	91	93	94	96	98	98	94	90	95	94
66	66	70	75	71	74	65	63	65	67	75	86	88	72	68	79
74	63	68	73	79	77	75	85	87	90	87	87	83	88	83	77
75	78	79	82	84	80	84	83	86	88	88	75	74	75	76	81
60	66	70	87	87	87	87	76	83	82	84	88	90	88	95	81
80	81	87	87	92	92	87	82	78	—	—	—	—	—	—	86
—	—	—	—	—	—	—	—	—	—	86	87	86	91	95	
92	87	87	89	90	90	91	94	96	94	93	90	90	96	96	92
95	92	93	83	82	83	90	83	87	85	87	90	96	93	90	91
82	78	73	83	81	91	83	87	85	85	85	85	85	88	95	83
81	82	82	83	85	84	85	84	85	87	87	87	87	86	86	84
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·137	·149	·129	·116	·117	·111	·118	·118	·123	·136	·129	·134	·133	·138	·140	·127
·168	·168	·167	·163	·172	·170	·165	·173	·191	·201	·199	·198	·195	·204	·209	·174
·184	·180	·173	·176	·176	·164	·163	·162	·141	·139	·145	·143	·147	·154	·152	·176
·101	·101	·102	·105	·109	·103	·119	·100	·099	·100	·100	·099	·099	·099	·098	·107
·090	·098	·100	·092	·091	·091	·098	·101	·104	·102	·095	·099	·103	·110	·109	·096
·135	·132	·135	·136	·141	·142	·138	·132	·133	—	—	—	—	—	—	·114
—	—	—	—	—	—	—	—	—	·077	·080	·081	·078	·070	·061	
·084	·088	·086	·080	·078	·078	·075	·075	·073	·069	·062	·072	·071	·073	·075	·075
·118	·125	·124	·132	·136	·136	·137	·137	·130	·133	·136	·136	·128	·123	·117	·119
·112	·111	·102	·089	·091	·090	·094	·098	·088	·086	·080	·064	·073	·069	·059	·099
·106	·108	·107	·100	·105	·106	·112	·113	·118	·123	·126	·122	·120	·126	·134	·100
·194	·198	·200	·199	·194	·203	·208	·210	·214	·215	·216	·216	·235	·222	·186	·191
·144	·132	·131	·128	·126	·119	·118	·122	·122	—	—	—	—	—	—	·134
—	—	—	—	—	—	—	—	—	·121	·121	·118	·117	·125	·124	
·155	·151	·157	·154	·166	·162	·154	·155	·165	·164	·182	·185	·181	·184	·184	·159
·230	·230	·217	·215	·215	·208	·210	·173	·174	·179	·163	·164	·161	·156	·134	·199
·125	·122	·113	·125	·118	·117	·120	·119	·123	·116	·112	·110	·101	·096	·097	·118
·108	·111	·107	·110	·101	·101	·105	·101	·100	·094	·091	·090	·086	·086	·086	·101
·086	·087	·094	·076	·077	·072	·074	·075	·076	·067	·065	·062	·059	·060	·058	·078
·079	·075	·069	·073	·074	·069	·065	·062	·068	—	—	—	—	—	—	·067
—	—	—	—	—	—	—	—	—	·068	·069	·072	·073	·072	·071	
·106	·119	·118	·122	·126	·130	·141	·148	·155	·164	·173	·179	·177	·172	·185	·125
·183	·178	·176	·177	·167	·165	·148	·139	·136	·133	·141	·152	·148	·125	·119	·176
·080	·063	·068	·066	·064	·060	·056	·057	·055	·052	·046	·043	·041	·043	·039	·074
·045	·047	·044	·045	·044	·042	·042	·040	·040	·039	·039	·035	·033	·034	·034	·039
·041	·044	·050	·052	·049	·047	·044	·038	·038	·038	·036	·036	·036	·034	·036	·039
·056	·057	·053	·052	·052	·051	·047	·044	·041	—	—	—	—	—	—	·044
—	—	—	—	—	—	—	—	—	·044	·041	·039	·040	·043		
·058	·054	·053	·056	·058	·060	·061	·063	·064	·064	·062	·061	·060	·065	·066	·055
·093	·087	·086	·074	·066	·062	·064	·057	·057	·056	·052	·047	·043	·043	·046	·069
·069	·066	·059	·053	·053	·057	·058	·059	·055	·054	·053	·057	·055	·051	·049	·053
·114	·114	·112	·110	·109	·108	·109	·106	·107	·107	·104	·104	·103	·103	·100	·108

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

		Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
		Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
Humidity of the Air.	FEBRUARY.	1	95	95	90	90	85	81	85	81	83	73	86	93
		2	90	93	90	90	86	82	97	80	76	71	68	62
		3	74	78	87	81	74	76	77	78	79	79	84	82
		4	—	—	—	—	—	—	—	—	—	—	—	—
		5	98	98	98	98	96	88	85	84	87	93	94	98
		6	98	98	100	96	95	93	89	90	96	94	89	88
		7	86	90	90	90	83	74	76	85	80	78	77	77
		8	86	90	90	90	81	78	70	70	64	69	70	79
		9	85	90	96	85	78	79	80	75	75	72	77	77
		10	88	82	82	80	92	78	72	71	70	71	74	74
		11	—	—	—	—	—	—	—	—	—	—	—	—
		12	100	100	100	100	100	96	98	91	86	86	88	95
		13	96	89	89	96	85	79	93	87	66	70	75	74
		14	81	82	78	90	76	73	71	70	69	77	67	77
		15	82	86	88	90	88	83	86	89	88	87	96	94
		16	82	81	88	91	93	78	73	73	87	83	87	89
		17	82	82	95	77	73	63	62	66	64	67	70	67
		18	—	—	—	—	—	—	—	—	—	—	—	—
		19	84	86	87	81	81	79	89	71	58	75	73	80
		20	85	86	84	76	77	80	73	68	69	68	69	74
		21	86	91	87	79	73	74	69	66	80	83	80	82
		22	86	88	83	78	73	71	63	55	54	41	39	39
		23	98	96	91	83	83	81	79	92	95	85	81	85
		24	74	76	71	64	66	69	74	81	80	75	78	74
		25	—	—	—	—	—	—	—	—	—	—	—	—
		26	90	94	90	86	70	63	62	71	77	82	82	82
		27	89	86	79	78	81	79	76	71	65	61	61	66
		28	74	78	71	64	70	81	70	71	63	68	93	80
		29	80	82	78	79	87	93	88	92	88	86	92	92
Hourly Means			87	88	87	84	82	79	78	77	76	76	78	79
Tension of the Vapour.	FEBRUARY.	1	In. ·048	In. ·048	In. ·054	In. ·061	In. 073	In. ·098	In. ·109	In. ·107	In. ·111	In. ·099	In. ·113	In. ·121
		2	·107	·108	·107	·116	·118	·118	·140	·125	·121	·114	·112	·092
		3	·097	·095	·092	·092	·091	·099	·105	·109	·115	·115	·115	·107
		4	—	—	—	—	—	—	—	—	—	—	—	—
		5	·172	·172	·175	·179	·179	·169	·167	·169	·175	·191	·191	·187
		6	·182	·182	·186	·182	·185	·187	·187	·194	·196	·191	·173	·168
		7	·096	·099	·100	·107	·111	·107	·116	·135	·128	·128	·119	·115
		8	·094	·094	·095	·098	·101	·109	·111	·115	·108	·111	·110	·115
		9	·062	·063	·068	·062	·059	·063	·068	·067	·071	·071	·071	·067
		10	·086	·083	·084	·084	·093	·094	·094	·100	·104	·111	·114	·110
		11	—	—	—	—	—	—	—	—	—	—	—	—
		12	·091	·089	·103	·119	·138	·139	·148	·151	·156	·166	·167	·171
		13	·170	·159	·165	·179	·167	·161	·200	·190	·160	·165	·160	·159
		14	·105	·101	·093	·112	·096	·101	·101	·107	·110	·126	·117	·112
		15	·116	·122	·129	·145	·150	·149	·153	·161	·161	·157	·168	·170
		16	·136	·137	·144	·157	·167	·156	·151	·152	·167	·164	·168	·168
		17	·099	·094	·108	·087	·082	·074	·076	·085	·082	·081	075	·063
		18	—	—	—	—	—	—	—	—	—	—	—	—
		19	·118	·127	·133	·131	·141	·145	·167	·148	·132	·178	·178	·179
		20	·173	·174	·179	·179	·188	·193	·187	·186	·188	·194	·193	·190
		21	·176	·178	·180	·166	·155	·166	·165	·168	·186	·192	·186	·177
		22	·147	·146	·152	·158	·157	·167	·162	·159	·164	·134	·131	·129
		23	·181	·179	·171	·158	·161	·151	·138	·156	·160	·141	·130	·127
		24	·054	·054	·053	·052	·060	·071	·079	·097	·101	·102	·104	·100
		25	—	—	—	—	—	—	—	—	—	—	—	—
		26	·125	·122	·130	·150	·148	·137	·145	·181	·174	·176	·175	·171
		27	·159	·152	·139	·139	·140	·136	·135	·129	·126	·123	·126	·129
		28	·099	101	·099	·104	·126	·147	·144	·147	·137	·146	·175	·147
		29	·162	·164	·159	·168	·186	·200	·199	·207	·214	·230	·229	·227
Hourly Means			·122	·122	·124	·127	·129	·133	·138	·142	·142	·144	·144	·140

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
94	96	92	91	91	91	90	90	97	94	88	95	89
75	82	85	91	94	95	95	92	91	82	85	78	85
82	93	97	94	93	93	—	—	—	—	—	—	86
—	—	—	—	—	—	96	98	97	95	91	93	
96	94	95	95	95	95	96	97	93	95	95	98	94
94	97	98	94	90	85	79	86	96	97	93	87	93
77	86	92	92	93	88	90	82	80	80	79	87	84
78	79	76	77	79	74	85	75	81	84	83	79	79
78	81	83	83	90	92	80	78	78	79	82	82	81
76	79	85	86	82	84	—	—	—	—	—	—	83
—	—	—	—	—	—	92	96	96	96	94	97	
68	85	94	92	91	91	90	91	86	86	87	87	92
74	87	74	70	79	73	76	74	71	79	84	73	80
81	83	81	80	91	87	79	89	88	81	90	93	81
96	96	96	97	94	95	95	94	82	83	85	84	90
76	78	81	85	87	84	86	86	80	78	73	81	83
77	78	77	77	74	62	85	86	84	84	84	84	76
—	—	—	—	—	—	—	—	—	—	—	—	83
83	83	85	85	83	85	87	94	93	88	87	87	
77	67	72	80	83	87	73	71	71	76	81	86	76
84	77	71	75	75	79	83	83	88	88	87	90	80
47	54	73	79	81	88	90	91	91	92	91	91	72
86	89	84	88	82	87	73	71	74	68	68	70	83
80	90	91	78	90	90	—	—	—	—	—	—	81
—	—	—	—	—	—	90	91	89	90	83	91	
92	100	100	100	100	95	97	95	93	89	86	93	87
68	73	74	77	74	71	75	71	70	67	68	74	73
92	87	87	84	86	79	79	79	74	89	87	85	79
94	93	93	88	89	92	89	96	96	96	96	96	90
82	84	85	86	87	86	86	86	86	85	86	86	83

In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·122	·127	·117	·112	·112	·114	·115	·118	·122	·117	·106	·108	·101
·101	·100	·092	·082	·076	·079	·087	·097	·106	·103	·108	·103	·105
·076	·080	·078	·081	·080	·076	—	—	—	—	—	—	·112
—	—	—	—	—	—	·157	·164	·165	·166	·162	·167	
·187	·187	·185	·183	·183	·181	·185	·181	·175	·179	·177	·181	·180
·172	·181	·175	·153	·141	·128	·114	·113	·096	·088	·096	·093	·157
·107	·102	·094	·093	·091	·097	·098	·102	·099	·098	·096	·101	·106
·111	·112	·106	·106	·105	·101	·110	·088	·084	·080	·073	·062	·100
·059	·060	·057	·057	·055	·059	·063	·069	·074	·076	·080	·080	·066
·109	·105	·105	·101	·102	·101	—	—	—	—	—	—	·100
—	—	—	—	—	—	·110	·111	·105	·100	·098	·104	
·157	·151	·158	·157	·158	·153	·160	·162	·160	·162	·159	·161	·147
·156	·175	·153	·138	·145	·124	·125	·119	·112	·118	·122	·099	·151
·105	·099	·090	·089	·095	·089	·077	·083	·093	·097	·100	·103	·100
·174	·172	·169	·167	·161	·157	·150	·147	·139	·144	·145	·141	·152
·139	·138	·135	·135	·128	·124	·125	·124	·116	·111	·101	·104	·140
·062	·059	·058	·059	·055	·048	—	—	—	—	—	—	·086
—	—	—	—	—	—	·126	·126	·119	·118	·120	·119	
·184	·175	·168	·167	·164	·166	·167	·172	·173	·167	·165	·173	·159
·183	·176	·178	·176	·163	·159	·152	·150	·151	·157	·168	·180	·176
·177	·168	·155	·158	·155	·158	·162	·163	·164	·148	·151	·146	·167
·127	·125	·152	·152	·148	·150	·141	·141	·141	·143	·146	·157	·147
·129	·130	·124	·122	·114	·116	·092	·077	·073	·062	·056	·055	·125
·089	·087	·082	·071	·079	·079	—	—	—	—	—	—	·088
—	—	—	—	—	—	·114	·114	·114	·117	·115	·125	
·183	·195	·194	·199	·200	·191	·196	·206	·202	·181	·170	·175	·172
·117	·118	·118	·121	·114	·110	·114	·107	·106	·100	·098	·102	·123
·154	·146	·151	·150	·159	·149	·149	·151	·145	·170	·167	·166	·143
·215	·217	·231	·226	·226	·223	·206	·208	·206	·202	·208	·210	·205
·136	·135	·133	·130	·128	·125	·132	·132	·130	·128	·127	·129	·132

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6
Humidity of the Air. MARCH.	1	96	98	98	100	98	97	97	97	95	94	96	94	95
	2	86	84	83	82	82	80	76	75	71	84	87	91	92
	3	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	75	86	82	70	66	67	68	65	64	61	62	64	63
	5	94	77	91	82	87	80	79	73	56	59	74	78	71
	6	91	91	86	74	70	61	54	79	77	78	75	77	86
	7	90	92	87	87	84	76	73	71	75	75	76	63	73
	8	95	91	91	94	80	83	96	96	97	98	99	97	98
	9	87	86	85	83	96	81	74	68	68	76	72	68	90
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	92	95	95	84	87	76	69	66	68	68	71	72	81
	12	86	82	79	84	75	74	80	90	95	95	97	97	98
	13	98	98	98	96	90	87	78	79	75	78	78	81	79
	14	88	84	76	77	76	70	74	75	72	70	69	76	84
	15	84	87	93	95	95	96	96	93	88	93	97	98	98
	16	98	98	98	98	96	95	93	91	88	85	86	82	81
	17	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	80	80	84	69	64	70	72	71	82	76	72	70	65
	19	79	83	83	78	74	62	59	62	64	67	77	81	80
	20	96	93	98	98	98	95	91	91	92	82	85	81	73
	21	78	80	73	71	71	76	76	81	81	80	78	77	76
	22	86	94	98	94	91	86	84	79	77	80	76	78	78
	23	74	71	69	63	64	63	59	60	64	63	59	54	70
	24	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	68	66	52	51	56	57	48	42	40	36	52	48	62
	26	78	76	74	65	67	58	53	53	52	50	60	69	75
	27	73	74	74	72	70	74	72	78	75	75	76	78	76
	28	94	93	93	97	97	97	97	98	97	97	97	96	90
	29	79	81	76	75	71	66	68	64	74	72	70	78	74
	30	100	97	93	96	95	100	100	99	98	82	81	76	74
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		86	86	85	82	81	78	76	77	76	74	78	78	80
Tension of the Vapour. MARCH.	1	In. ·210	In. ·212	In. ·221	In. ·240	In. ·251	In. ·253	In. ·250	In. ·253	In. ·258	In. ·229	In. ·235	In. ·232	In. ·229
	2	·184	·178	·173	·173	·179	·179	·176	·178	·179	·198	·197	·191	·189
	3	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	·078	·083	·079	·080	·070	·074	·082	·083	·089	·089	·091	·092	·080
	5	·075	·069	·085	·093	·118	·134	·146	·151	·127	·134	·155	·159	·149
	6	·134	·136	·146	·145	·145	·135	·127	·172	·178	·183	·160	·155	·163
	7	·151	·156	·165	·188	·191	·182	·188	·190	·212	·194	·192	·160	·163
	8	·175	·171	·181	·215	·193	·204	·228	·228	·237	·240	·256	·253	·249
	9	·153	·146	·144	·147	·180	·158	·149	·145	·146	·155	·145	·142	·167
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	·150	·160	·177	·188	·206	·203	·204	·226	·238	·225	·213	·201	·188
	12	·184	·188	·200	·224	·220	·212	·220	·235	·236	·236	·238	·236	·236
	13	·231	·237	·240	·255	·273	·263	·248	·239	·229	·222	·217	·211	·197
	14	·143	·135	·122	·126	·129	·129	·145	·147	·148	·145	·143	·143	·145
	15	·145	·152	·158	·161	·162	·163	·174	·176	·170	·177	·192	·194	·196
	16	·203	·197	·199	·203	·197	·196	·197	·201	·199	·197	·193	·179	·163
	17	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	·082	·086	·086	·075	·071	·079	·082	·080	·086	·074	·070	·065	·061
	19	·070	·070	·085	·094	·102	·092	·096	·105	·123	·125	·130	·132	·126
	20	·166	·163	·166	·165	·166	·161	·157	·156	·156	·137	·140	·135	·121
	21	·073	·072	·072	·077	·082	·096	·103	·120	·126	·131	·132	·130	·114
	22	·124	·134	·143	·138	·136	·135	·135	·138	·139	·152	·144	·152	·141
	23	·084	·082	·086	·084	·093	·099	·092	·109	·120	·124	·128	·119	·144
	24	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	·181	·179	·153	·148	·166	·154	·130	·123	·126	·128	·193	·169	·174
	26	·148	·149	·157	·162	·172	·155	·156	·167	·176	·150	·154	·168	·175
	27	·141	·143	·134	·131	·124	·128	·127	·138	·143	·144	·144	·145	·145
	28	·221	·227	·231	·237	·238	·245	·245	·251	·264	·258	·261	·268	·268
	29	·112	·105	·100	·103	·110	·111	·123	·127	·142	·138	·129	·130	·132
	30	·112	·111	·109	·110	·108	·116	·122	·122	·127	·117	·117	·121	·114
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		·143	·144	·147	·152	·157	·156	·158	·164	·168	·165	·168	·163	·163

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
94	96	94	95	95	93	95	93	86	85	84	81	80	83	86	92
84	87	91	92	77	78	83	86	84	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	91	91	83	83	77	71	82
61	62	64	63	68	70	78	62	91	88	90	91	95	96	94	76
59	74	78	71	69	62	68	68	67	78	74	78	81	82	85	76
78	75	77	86	84	86	87	87	92	91	90	91	92	91	80	82
75	76	83	73	79	87	89	94	95	93	90	86	95	93	91	84
98	99	97	98	97	94	92	93	90	87	87	87	89	81	81	91
76	72	68	90	92	87	90	89	87	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	93	93	94	95	95	95	85
68	71	72	81	79	75	78	79	79	82	86	87	83	78	84	80
95	97	97	98	97	97	93	95	96	95	97	97	97	98	98	91
78	78	81	79	78	78	83	96	92	93	94	94	89	88	90	87
70	69	76	84	81	86	86	87	79	72	72	71	78	80	84	78
93	97	98	98	96	91	100	98	97	98	98	98	97	98	98	95
85	86	82	81	83	87	87	91	88	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	78	74	74	82	71	80	87
76	72	70	65	66	69	75	74	81	79	83	82	73	70	82	74
87	77	81	80	85	86	85	85	86	86	87	86	89	94	86	79
82	85	81	73	72	81	85	82	80	81	81	81	82	74	81	86
80	78	77	76	75	76	79	79	70	80	80	80	82	82	84	78
80	76	78	78	85	76	78	80	79	82	83	83	73	68	75	82
63	59	54	70	72	75	67	76	79	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	95	82	71	77	75	76	70
36	52	48	62	67	81	86	83	76	70	71	78	79	78	81	64
50	60	69	75	77	85	96	93	93	95	93	89	87	78	82	75
75	76	78	76	79	74	79	83	87	89	87	89	96	94	95	80
97	97	96	90	88	87	88	89	95	85	87	91	95	89	87	93
72	70	78	74	62	63	66	72	73	78	83	85	92	95	100	76
82	81	76	74	77	81	77	76	74	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	88	92	91	90	92	92	88
74	78	78	80	80	81	83	84	84	86	86	85	87	85	86	82
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·229	·235	·232	·229	·220	·218	·229	·251	·296	·289	·277	·211	·196	·192	·191	·235
·198	·197	·191	·189	·155	·156	·152	·153	·149	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	·143	·133	·117	·112	·100	·080	·160
·089	·091	·092	·080	·079	·077	·082	·064	·080	·075	·074	·071	·073	·074	·072	·079
·134	·155	·159	·149	·146	·130	·135	·137	·136	·154	·139	·139	·138	·137	·138	·130
·183	·160	·155	·163	·157	·153	·153	·156	·156	·156	·154	·155	·157	·155	·132	·153
·194	·192	·160	·163	·161	·163	·163	·165	·161	·158	·156	·150	·166	·165	·168	·171
·240	·256	·253	·249	·262	·248	·240	·230	·218	·204	·193	·188	·180	·163	·148	·213
·155	·145	·142	·167	·153	·141	·142	·138	·133	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	·176	·159	·155	·157	·154	·154	·152
·225	·213	·201	·188	·179	·174	·176	·174	·175	·178	·180	·178	·171	·563	·184	·188
·236	·238	·236	·246	·239	·238	·227	·228	·230	·228	·235	·237	·236	·240	·235	·226
·222	·217	·211	·197	·190	·180	·170	·178	·165	·163	·162	·160	·157	·149	·151	·204
·145	·143	·143	·145	·131	·134	·136	·140	·134	·122	·123	·125	·131	·134	·141	·135
·177	·192	·194	·196	·200	·203	·206	·201	·202	·202	·203	·204	·206	·202	·202	·185
·197	·193	·179	·163	·160	·159	·149	·154	·147	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	·101	·090	·085	·094	·077	·084	·159
·074	·070	·065	·061	·060	·062	·067	·067	·071	·072	·075	·074	·066	·064	·074	·073
·125	·130	·132	·126	·132	·132	·136	·140	·141	·142	·144	·141	·144	·158	·154	·122
·137	·140	·135	·121	·117	·126	·126	·116	·108	·100	·092	·085	·081	·073	·078	·129
·131	·132	·130	·114	·111	·112	·114	·111	·103	·114	·115	·114	·115	·116	·119	·107
·152	·144	·152	·141	·131	·121	·119	·119	·114	·116	·116	·113	·091	·084	·088	·126
·124	·128	·119	·144	·121	·114	·096	·103	·105	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	·205	·198	·178	·194	·178	·172	·126
·128	·193	·169	·174	·152	·150	·153	·150	·152	·147	·139	·138	·142	·143	·150	·152
·150	·154	·168	·175	·173	·180	·184	·187	·188	·189	·180	·178	·174	·159	·163	·169
·144	·144	·145	·145	·149	·145	·150	·155	·157	·169	·166	·170	·190	·203	·213	·152
·258	·261	·268	·268	·240	·225	·199	·197	·202	·171	·163	·168	·166	·149	·132	·218
·138	·129	·139	·132	·112	·110	·109	·109	·105	·106	·111	·110	·111	·112	·139	·117
·117	·117	·121	·114	·105	·099	·089	·086	·082	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	·096	·095	·096	·098	·094	·094	·106
·165	·168	·165	·163	·155	·152	·150	·150	·150	·153	·149	·145	·144	·140	·141	·153

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
Humidity of the Air. APRIL	1	78	82	82	81	82	80	72	60	71	68	73	78	82	87
	2	89	87	80	74	76	74	71	68	66	66	65	64	65	72
	3	86	82	72	68	70	67	64	64	64	62	58	28	63	38
	4	84	85	82	77	80	76	76	73	76	64	78	86	87	88
	5*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	73	75	80	90	89	89	89	87	86	85	86	89	89	89
	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	98	98	92	89	91	96	90	85	76	75	77	74	66	80
	9	97	83	79	70	61	59	73	74	70	66	61	56	50	62
	10	91	92	73	81	77	75	69	66	54	57	57	57	55	64
	11	91	87	86	79	78	67	60	62	57	60	53	60	60	63
	12	88	80	68	70	67	64	61	61	59	54	63	73	58	70
	13	90	90	79	72	66	61	56	50	54	61	54	51	65	77
	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	93	95	92	87	84	86	89	92	93	92	87	92	82	78
	16	93	93	92	96	95	82	80	64	59	55	55	59	77	80
	17	79	80	73	67	63	60	58	53	51	46	44	41	43	64
	18	79	69	63	65	71	73	79	79	75	67	66	69	71	73
	19	88	79	69	70	65	61	62	62	57	59	64	51	62	64
	20	93	86	76	67	64	60	61	60	58	54	53	45	47	58
	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	80	81	74	75	78	84	89	85	88	82	85	81	88	86
	23	88	86	85	87	83	89	83	81	78	75	82	83	84	92
	24	96	97	95	92	84	82	76	43	40	46	51	52	60	68
	25	87	82	71	67	70	62	53	49	52	47	55	61	67	71
	26	81	92	92	77	79	85	88	89	80	86	87	83	83	83
	27	68	67	64	64	64	60	52	53	58	54	54	52	53	46
	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	74	56	58	61	58	48	47	52	45	45	43	40	43	57
	30	82	65	71	69	67	68	60	61	63	61	58	60	61	72
Hourly Means		86	83	78	76	74	72	70	67	65	63	64	63	66	72
Tension of the Vapour. APRIL	1	In. ·093	In. ·112	In. ·136	In. ·147	In. ·152	In. ·159	In. ·150	In. ·135	In. ·158	In. ·162	In. ·169	In. ·173	In. ·159	In. ·155
	2	·169	·175	·174	·171	·184	·184	·186	·191	·192	·196	·179	·172	·169	·172
	3	·181	·183	·199	·208	·241	·245	·262	·292	·306	·331	·323	·200	·419	·190
	4	·269	·278	·291	·321	·339	·321	·326	·366	·350	·365	·311	·291	·282	·278
	5*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	·170	·177	·189	·208	·201	·200	·201	·211	·208	·209	·206	·212	·215	·214
	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	·203	·248	·261	·304	·294	·367	·366	·435	·473	·486	·433	·456	·381	·391
	9	·256	·246	·262	·270	·262	·275	·352	·341	·319	·331	·327	·305	·253	·230
	10	·194	·240	·236	·282	·303	·327	·343	·371	·351	·377	·371	·350	·306	·285
	11	·236	·272	·295	·301	·308	·255	·244	·278	·332	·300	·313	·309	·267	·252
	12	·244	·276	·285	·322	·342	·345	·354	·380	·372	·382	·398	·438	·206	·315
	13	·265	·300	·324	·347	·340	·353	·349	·361	·397	·469	·390	·361	·329	·351
	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	·399	·421	·419	·440	·443	·418	·427	·425	·400	·395	·389	·342	·316	·282
	16	·292	·275	·280	·341	·372	·431	·407	·332	·293	·281	·282	·257	·358	·356
	17	·185	·192	·180	·177	·167	·169	·180	·172	·172	·164	·157	·148	·151	·170
	18	·143	·143	·149	·169	·198	·218	·236	·245	·250	·231	·228	·233	·208	·183
	19	·150	·169	·171	·190	·211	·215	·250	·277	·250	·250	·253	·223	·224	·212
	20	·195	·233	·239	·236	·240	·254	·275	·277	·297	·261	·240	·225	·209	·215
	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	·283	·294	·272	·282	·296	·303	·306	·319	·305	·333	·309	·294	·309	·308
	23	·299	·317	·323	·340	·357	·397	·413	·405	·396	·432	·463	·514	·558	·574
	24	·346	·395	·417	·398	·490	·489	·487	·357	·324	·335	·341	·330	·333	·314
	25	·211	·226	·230	·245	·267	·260	·235	·229	·260	·211	·231	·256	·257	·264
	26	·261	·281	·300	·269	·267	·274	·281	·282	·251	·251	·240	·221	·221	·219
	27	·135	·140	·147	·162	·165	·178	·153	·166	·190	·179	·192	·176	·164	·136
	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	·172	·167	·189	·220	·228	·204	·209	·243	·233	·234	·230	·246	·225	·238
	30	·198	·191	·232	·259	·281	·275	·298	·233	·306	·290	·259	·254	·259	·273
Hourly Means		·222	·238	·248	·264	·278	·285	·292	·293	·295	·298	·289	·281	·275	·263

* Good Friday

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
82	87	95	87	87	85	84	87	87	88	90	89	81
65	72	70	70	74	79	80	79	76	73	82	84	74
63	38	60	72	69	69	67	68	69	81	83	83	67
87	88	87	86	88	85	—	—	—	—	—	—	81
—	—	—	—	—	—	69	76	96	95	74	70	
89	89	90	91	92	92	—	—	—	—	—	—	89
—	—	—	—	—	—	96	95	96	96	95	100	
66	80	80	86	89	80	89	86	93	88	89	87	85
50	62	69	76	80	81	86	78	79	86	87	93	74
55	64	66	73	76	78	84	88	88	89	88	90	75
60	63	62	71	74	76	83	88	85	88	89	88	73
58	76	82	84	84	88	86	84	89	88	84	92	75
65	77	85	82	78	81	—	—	—	—	—	—	72
—	—	—	—	—	—	74	73	78	70	86	85	
82	78	86	89	90	88	93	92	93	94	94	93	89
77	80	80	84	85	71	70	68	64	68	87	84	77
43	64	59	62	65	64	63	67	68	70	73	75	62
71	73	83	85	79	70	80	87	91	88	90	88	77
62	64	64	68	82	82	87	88	88	88	89	93	73
47	58	70	76	80	77	—	—	—	—	—	—	70
—	—	—	—	—	—	84	84	80	81	78	77	
88	86	81	82	82	80	80	85	83	85	89	88	83
81	92	95	94	94	95	96	96	96	96	97	97	89
60	68	64	66	71	74	75	77	80	85	81	81	72
67	71	66	73	77	76	74	71	68	77	77	71	68
83	83	81	79	83	84	80	83	76	70	70	70	82
53	46	79	90	86	92	—	—	—	—	—	—	62
—	—	—	—	—	—	41	45	53	59	66	63	
43	57	66	81	88	87	85	87	86	89	88	91	65
61	72	70	72	72	67	68	71	75	79	78	76	69
66	72	76	79	81	80	79	80	81	83	84	84	75

In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·159	·155	·166	·157	·157	·151	·154	·159	·162	·164	·165	·163	·151
·169	·172	·177	·178	·176	·183	·176	·170	·178	·180	·189	·180	·192
·419	·190	208	·219	·222	·267	·282	·291	·284	·269	·245	·259	·255
·282	·278	·257	·250	·248	·231	—	—	—	—	—	—	·269
—	—	—	—	—	—	·153	·168	·204	·206	·179	·165	
·215	·214	·218	·218	·216	·216	—	—	—	—	—	—	·204
—	—	—	—	—	—	·206	·199	·204	·206	·199	·204	
·381	·391	·352	·360	·363	·281	·278	·250	·255	·231	·232	·229	·330
·253	·230	·223	·223	·219	·212	·210	·183	·181	·187	·189	·192	·252
·306	·285	266	·265	·246	·243	·220	·219	·215	·208	·211	·220	·287
·267	·252	·235	·261	·251	·245	·243	·244	·231	·229	·240	·236	·266
·296	·315	·320	·313	·291	·290	·271	·289	·275	·274	·272	·264	·317
·329	·351	·336	·311	·281	·285	—	—	—	—	—	—	·349
—	—	—	—	—	—	·376	·371	·376	·356	·387	·365	
·316	·282	·293	293	·283	·297	·301	301	·299	·306	·313	·297	·354
·358	·356	·290	·285	·280	·251	·225	·209	·194	·188	·213	·196	·288
·151	·170	·139	·133	·127	·123	·121	·124	·125	·128	·129	·130	·153
·208	·183	·175	·168	·162	·161	·159	·155	·156	·149	·147	·142	·184
·224	·212	·198	·200	·200	·199	·192	·191	·191	·185	·180	·182	·207
·209	·215	·220	·217	·214	·195	—	—	—	—	—	—	·251
—	—	—	—	—	—	·320	·314	·298	·295	·280	·275	
·309	·308	·310	·324	·315	·305	·281	·272	·268	·291	·296	·285	·298
·558	·574	·369	·343	·328	·402	·361	·351	·356	·325	·347	·344	·388
·333	·314	·250	·228	·237	·235	·226	·224	·219	·207	·208	·200	·316
·257	·264	·238	·260	·267	·259	·240	·229	·214	·247	·242	·229	·242
·221	·219	·207	·195	·203	·204	·196	·197	·168	·150	·144	·139	·226
·164	·136	·178	·185	·170	·172	—	—	—	—	—	—	·157
—	—	—	—	—	—	·118	·121	·131	·134	·140	·142	
·225	·238	·220	·230	·227	·211	·199	·196	·187	·174	·185	·197	·211
·259	·273	·265	·268	·266	·247	·255	·269	·283	·279	·283	·288	·263
·275	·263	·244	·243	·238	·235	·231	·228	·226	·222	·225	·221	·256

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

	Hours of Mean Göttingen Time	0	1	2	3	4	5	6	7	8	9	10	11	12
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6
Humidity of the Air.	MAY. 1	78	80	77	78	75	80	80	78	77	76	78	77	80
	2	98	97	97	91	83	82	76	71	68	58	58	62	63
	3	97	93	96	91	88	88	88	86	85	82	78	74	91
	4	81	86	85	87	84	80	78	77	78	73	84	80	77
	5	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	74	77	87	89	94	93	88	88	90	88	83	90	89
	7	77	75	67	64	63	67	60	47	45	40	38	37	52
	8	87	89	88	86	56	45	41	29	29	52	41	51	38
	9	68	64	58	48	47	45	42	40	37	39	35	38	42
	10	88	76	71	66	62	65	62	67	68	78	79	61	60
	11	96	96	97	92	92	96	88	89	84	83	92	93	98
	12	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	84	66	66	55	56	86	64	95	58	58	63	63	63
	14	78	76	81	80	72	68	73	67	60	57	62	49	64
	15	93	89	89	86	86	82	77	67	76	75	73	66	71
	16	85	80	76	72	87	70	66	66	68	66	67	71	57
	17	59	59	57	59	67	67	66	64	55	60	61	55	64
	18	88	85	74	76	75	71	72	64	62	58	56	45	45
	19	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	87	85	93	88	83	84	84	67	64	72	71	66	68
	21	64	61	58	57	54	51	47	62	60	52	51	50	59
	22	78	81	83	83	75	70	64	60	53	53	61	56	56
	23	80	84	78	80	73	75	73	66	62	61	58	56	50
	24	87	82	78	77	75	72	74	73	73	71	66	65	65
	25	92	88	89	87	85	86	80	74	68	66	63	60	65
	26	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	91	88	88	83	82	78	72	67	—	—	56	59	60
	28	82	81	82	79	75	69	62	55	58	49	48	46	47
	29	86	84	77	69	71	69	69	66	65	63	60	62	68
	30	95	95	95	96	97	97	95	90	86	96	94	90	91
	31	94	83	78	80	76	78	67	65	62	56	60	50	70
Hourly Means		84	81	80	78	75	75	71	68	65	65	64	62	65
Tension of the Vapour.	MAY. 1	In. ·340	In. ·352	In. ·410	In. ·440	In. ·456	In. ·469	In. ·469	In. ·448	In. ·424	In. ·416	In. ·419	In. ·432	In. ·409
	2	·385	·421	·439	·448	·409	·461	·466	·468	·450	·440	·401	·358	·393
	3	·353	·389	·441	·426	·435	·476	·484	·472	·456	·426	·467	·495	·362
	4	·288	·312	·326	·355	·322	·334	·354	·336	·337	·324	·318	·316	·299
	5	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	·251	·267	·280	·287	·313	·340	·371	·382	·397	·402	·374	·322	·314
	7	·266	·276	·266	·265	·276	·311	·290	·254	·275	·265	·263	·273	·368
	8	·350	·365	·381	·399	·271	·235	·238	·184	·196	·213	·247	·307	·208
	9	·202	·207	·206	·193	·211	·224	·213	·214	·205	·224	·204	·223	·225
	10	·208	·233	·229	·232	·228	·244	·226	·247	·248	·258	·245	·205	·195
	11	·338	·326	·350	·434	·497	·520	·561	·551	·626	·613	·562	·591	·617
	12	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	·196	·181	·203	·178	·178	·294	·211	·308	·175	·170	·174	·168	·166
	14	·240	·242	·261	·283	·284	·282	·333	·330	·296	·301	·358	·300	·356
	15	·257	·287	·324	·343	·363	·398	·437	·431	·434	·416	·366	·375	·335
	16	·301	·310	·317	·330	·456	·399	·371	·360	·355	·327	·328	·343	·285
	17	·215	·219	·225	·260	·342	·325	·334	·314	·275	·280	·268	·246	·262
	18	·287	·290	·271	·317	·320	·323	·292	·270	·286	·261	·281	·235	·231
	19	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	·275	·276	·318	·354	·382	·359	·348	·385	·374	·363	·325	·267	·237
	21	·140	·135	·130	·137	·141	·146	·149	·204	·208	·198	·210	·209	·230
	22	·158	·211	·243	·264	·282	·290	·290	·283	·264	·263	·308	·279	·262
	23	·187	·213	·282	·315	·339	·392	·414	·444	·415	·394	·376	·368	·337
	24	·332	·349	·360	·390	·416	·442	·440	·457	·438	·408	·442	·510	·487
	25	·398	·444	·496	·522	·595	·622	·650	·636	·586	·581	·577	·558	·510
	26	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	·431	·446	·459	·478	·506	·528	·489	·480	—	—	·442	·421	·428
	28	·375	·384	·408	·418	·436	·431	·399	·386	·406	·369	·352	·328	·302
	29	·323	·357	·344	·337	·356	·369	·386	·392	·417	·394	·386	·397	·356
	30	·356	·375	·380	·391	·428	·442	·526	·576	·490	·494	·484	·485	·457
	31	·410	·369	·349	·356	·357	·371	·350	·350	·351	·331	·325	·336	·444
Hourly Means		·291	·305	·322	·339	·356	·370	·374	·376	·361	·351	·352	·347	·336

9	10	11
3	4	5
76	78	77
58	58	62
82	78	74
73	84	80
—	—	—
88	83	90
40	38	37
52	41	51
39	35	38
78	79	61
83	92	93
—	—	—
58	63	63
57	62	49
75	73	66
66	67	71
60	61	55
58	56	45
—	—	—
72	71	66
52	51	50
53	61	56
61	58	56
71	66	65
66	63	60
—	—	—
—	56	59
49	48	46
63	60	62
96	94	99
56	60	50
65	64	62
In.	In.	In.
·416	·419	·432
·440	·401	·358
·426	·467	·495
·324	·318	·316
—	—	—
·402	·374	·322
·265	·263	·273
·213	·247	·307
·224	·204	·223
·258	·245	·205
·613	·562	·591
—	—	—
·170	·174	·168
·301	·358	·300
·416	·366	·375
·327	·328	·343
·280	·268	·246
·261	·281	·235
—	—	—
·363	·325	·267
·198	·210	·209
·263	·308	·279
·394	·376	·368
·408	·442	·510
·581	·577	·558
—	—	—
—	·442	·421
·369	·352	·328
·394	·386	·397
·494	·484	·485
·331	·325	·356
·351	·352	·347

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
80	82	83	88	90	92	95	98	92	93	97	96	84
63	67	70	72	70	75	86	88	80	91	95	97	79
91	89	90	93	96	90	97	95	91	89	88	79	89
77	85	93	82	—	—	—	—	—	—	—	—	79
—	—	—	—	—	—	77	77	76	70	64	75	
89	93	94	87	83	84	86	85	81	81	80	79	86
52	69	79	85	89	86	85	86	86	85	86	93	69
38	43	44	48	56	65	72	70	73	68	71	68	59
42	45	53	64	66	71	74	75	84	89	92	95	59
60	66	69	71	71	73	86	86	85	89	96	98	75
98	92	88	85	85	79	—	—	—	—	—	—	89
—	—	—	—	—	—	88	90	84	89	87	86	
63	57	67	67	83	88	89	90	86	92	95	92	74
64	71	79	83	86	92	93	95	93	95	95	97	78
71	76	78	75	76	79	76	81	76	82	84	84	79
57	73	62	63	72	68	65	64	58	57	54	56	68
64	66	61	62	64	53	72	81	85	88	92	90	67
45	47	50	58	82	88	—	—	—	—	—	—	71
—	—	—	—	—	—	85	79	83	85	83	89	
68	73	75	72	67	62	67	73	71	77	88	81	76
59	72	82	78	74	88	95	91	93	92	94	92	70
56	61	70	70	82	83	91	93	86	87	89	87	74
50	61	75	80	77	79	88	92	94	94	95	90	76
65	67	83	88	91	94	93	95	94	96	92	93	81
65	71	77	81	84	90	—	—	—	—	—	—	82
—	—	—	—	—	—	93	94	94	95	96	96	
60	76	83	93	88	95	95	93	88	86	88	88	82
47	55	59	62	66	68	69	69	71	79	89	88	67
68	69	66	73	66	63	64	64	69	69	80	92	70
91	92	96	96	96	96	96	97	99	97	97	96	95
70	76	77	82	86	93	93	95	92	96	96	90	79
65	70	74	76	79	81	84	85	84	86	87	88	76
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·409	·401	·412	·402	·396	·402	·381	·375	·353	·362	·367	·350	·404
·393	·354	·373	·352	·351	·380	·396	·395	·354	·339	·322	·330	·395
·362	·336	·369	·392	·394	·368	·347	·333	·333	·316	·293	·273	·393
·299	·315	·305	·299	—	—	—	—	—	—	—	—	·299
—	—	—	—	—	—	·252	·241	·240	·228	·231	·257	
·314	·331	·343	·335	·315	·304	·309	·305	·293	·288	·273	·260	·319
·368	·323	·307	·294	·296	·297	·309	·307	·302	·306	·315	·364	·294
·208	·200	·187	·194	·196	·211	·215	·208	·213	·199	·203	·195	·242
·225	·203	·194	·198	·193	·191	·190	·192	·193	·185	·178	·185	·202
·195	·207	·203	·205	·209	·217	·250	·253	·259	·282	·350	·370	·242
·617	·592	·489	·438	·397	·344	—	—	—	—	—	—	·416
—	—	—	—	—	—	·215	·213	·178	·176	·178	·181	
·166	·154	·176	·170	·204	·222	·242	·238	·239	·266	·270	·272	·211
·356	·300	·278	·280	·257	·260	·249	·243	·226	·222	·230	·229	·277
·335	·321	·308	·297	·305	·308	·316	·326	·300	·311	·299	·291	·339
·285	·307	·235	·231	·247	·239	·231	·229	·210	·203	·195	·203	·292
·262	·267	·257	·261	·262	·210	·260	·288	·302	·293	·296	·292	·273
·231	·216	·192	·196	·219	·212	—	—	—	—	—	—	·260
—	—	—	—	—	—	·255	·242	·253	·261	·252	·272	
·237	·223	·221	·210	·193	·171	·173	·171	·156	·157	·168	·164	·261
·230	·230	·216	·194	·176	·171	·173	·163	·160	·157	·151	·153	·174
·262	·242	·245	·210	·227	·234	·221	·211	·199	·198	·197	·191	·240
·337	·360	·339	·354	·331	·322	·323	·315	·305	·290	·285	·286	·333
·487	·409	·417	·410	·399	·408	·397	·387	·381	·390	·382	·378	·409
·510	·513	·482	·449	·475	·508	—	—	—	—	—	—	·508
—	—	—	—	—	—	·445	·447	·436	·435	·418	·419	
·428	·489	·493	·509	·480	·466	·470	·437	·401	·385	·377	·365	·454
·302	·313	·298	·289	·296	·290	·297	·281	·266	·277	·283	·293	·341
·356	·322	·277	·275	·261	·252	·262	·273	·286	·283	·316	·347	·332
·457	·444	·465	·463	·462	·468	·450	·449	·441	·425	·419	·428	·449
·444	·377	·338	·327	·321	·304	·292	·286	·273	·277	·265	·245	·333
·336	·324	·312	·305	·302	·298	·293	·289	·280	·278	·278	·281	·322

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

		Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12
		Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6
Humidity of the Air.	JUNE.	1	96	96	92	89	79	78	78	71	71	67	67	63	73
		2	—	—	—	—	—	—	—	—	—	—	—	—	—
		3	79	79	71	73	78	76	74	75	66	62	62	59	60
		4	90	89	84	81	83	79	75	74	68	65	66	63	65
		5	90	95	92	86	81	82	81	78	75	74	76	87	95
		6	97	95	93	81	69	62	56	53	51	52	51	55	48
		7	77	74	81	79	73	75	76	76	77	73	41	39	41
		8	68	71	65	69	68	64	62	58	57	53	51	57	63
		9	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	83	76	50	48	44	54	32	68	29	28	34	31	34
		11	84	74	66	51	47	66	68	64	57	59	53	52	48
		12	77	70	79	67	67	66	59	56	54	49	48	45	47
		13	76	74	72	67	69	66	65	61	66	65	66	63	57
		14	65	66	69	74	74	74	66	67	65	64	66	57	55
		15	81	79	75	74	71	77	73	73	70	72	71	65	63
		16	—	—	—	—	—	—	—	—	—	—	—	—	—
		17	95	95	96	97	94	91	88	90	87	90	90	87	90
		18	98	95	92	89	82	80	82	80	76	72	85	69	70
		19	98	94	93	89	89	95	95	97	89	77	72	68	75
		20	77	70	69	63	58	62	55	58	55	53	55	88	100
		21	89	83	77	70	69	66	67	62	58	59	56	57	53
		22	82	80	79	64	60	57	49	51	44	39	39	39	40
		23	—	—	—	—	—	—	—	—	—	—	—	—	—
		24	86	82	77	74	71	71	73	71	75	70	69	61	72
		25	93	91	88	90	84	77	84	81	74	86	80	73	54
		26	78	87	86	90	88	81	87	92	86	84	83	84	87
		27	95	95	96	96	97	97	97	97	97	97	95	98	99
		28	77	77	72	71	70	66	61	61	59	56	52	70	66
		29	87	80	71	63	66	64	61	59	55	50	47	49	52
		30	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means			85	83	79	76	73	73	71	71	66	65	63	63	64
Tension of the Vapour.	JUNE.	1	In. ·326	In. ·368	In. ·293	In. ·388	In. ·404	In. ·416	In. ·481	In. ·460	In. ·470	In. ·435	In. ·462	In. [illegible]	In. ·444
		2	—	—	—	—	—	—	—	—	—	—	—	—	—
		3	·254	·275	·282	·333	·380	·374	·367	·397	·390	·373	·400	[illegible]	·391
		4	·269	·300	·327	·364	·405	·404	·413	·425	·409	·420	·418	[illegible]	·368
		5	·357	·379	·393	·403	·395	·443	·513	·538	·520	·475	·570	·576	·550
		6	·478	·541	·597	·570	·516	·460	·441	·414	·400	·373	·353	·343	·283
		7	·310	·300	·326	·347	·369	·419	·453	·508	·508	·519	·3[illegible]	·[illegible]	·282
		8	·178	·203	·224	·251	·262	·272	·277	·288	·300	·304	·307	·309	·310
		9	—	—	—	—	—	—	—	—	—	—	—	—	—
		10	·254	·265	·204	·208	·201	·245	·151	·337	·140	·140	·155	·142	·158
		11	·212	·229	·236	·203	·206	·294	·317	·312	·290	·337	·337	·348	·315
		12	·252	·263	·305	·294	·317	·344	·345	·348	·325	·297	·287	·283	·254
		13	·287	·324	·353	·362	·387	·392	·389	·404	·434	·477	·465	·434	·398
		14	·274	·316	·382	·405	·417	·429	·405	·465	·503	·480	·526	·443	·436
		15	·360	·392	·415	·471	·435	·493	·516	·524	·504	·451	·471	·486	·457
		16	—	—	—	—	—	—	—	—	—	—	—	—	—
		17	·466	·489	·534	·558	·564	·617	·605	·577	·607	·585	·574	·596	·598
		18	·548	·600	·630	·673	·667	·635	·690	·658	·700	·764	·742	·759	·750
		19	·578	·651	·658	·696	·709	·666	·663	·642	·659	·654	·615	·594	·576
		20	·388	·371	·394	·392	·381	·437	·396	·428	·424	·395	·402	·614	·706
		21	·364	·372	·388	·360	·401	·386	·399	·383	·383	·414	·430	·477	·445
		22	·338	·351	·370	·342	·336	·340	·298	·334	·314	·290	·286	·280	·233
		23	—	—	—	—	—	—	—	—	—	—	—	—	—
		24	·411	·441	·480	·499	·510	·490	·580	·600	·590	·523	·5[illegible]	·545	·482
		25	·535	·530	·527	·569	·620	·641	·607	652	·687	·680	·73[illegible]	·753	·584
		26	·447	·479	·486	·502	·520	·538	·569	·576	·550	·533	·521	·511	·530
		27	·479	·483	·473	·477	·468	·460	·461	·452	·480	·541	·552	·548	·561
		28	·400	·418	·386	·382	·403	·410	·404	·402	·384	·409	·387	·517	·446
		29	·345	·354	·353	·344	·376	·384	·388	·400	·403	·401	·394	·417	·433
		30	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means			·364	·389	·405	·416	·426	·440	·445	·461	·455	·451	·446	·461	·442

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
67	67	63	73	67	72	82	76	78	—	—	—	—	—	—	78
—	—	—	—	—	—	—	—	—	83	76	78	81	81	75	
62	62	59	60	68	84	89	91	92	93	95	96	93	94	93	79
65	66	63	65	72	78	84	91	94	94	98	93	94	92	90	82
74	76	87	95	89	93	93	93	92	94	96	97	97	98	97	89
52	51	55	48	55	60	65	74	75	82	75	72	80	80	76	69
73	41	39	41	46	37	42	41	45	63	70	72	87	86	89	65
53	51	57	63	69	71	75	75	81	—	—	—	—	—	—	72
—	—	—	—	—	—	—	—	—	85	92	92	92	92	95	
28	34	31	34	46	54	58	67	74	73	76	81	85	93	93	59
59	53	52	48	54	74	78	79	87	87	82	77	78	80	83	69
49	48	45	47	53	54	39	62	66	73	78	73	74	72	84	63
65	66	63	57	76	81	81	83	81	88	88	89	84	81	74	74
64	66	57	55	78	81	85	81	73	74	80	80	80	83	81	72
72	71	65	63	70	78	86	86	87	—	—	—	—	—	—	78
—	—	—	—	—	—	—	—	—	88	80	81	86	85	92	
90	90	87	90	93	94	98	97	97	96	97	97	97	97	96	94
72	85	69	70	76	89	90	91	93	93	93	97	97	98	96	87
77	72	68	75	61	75	81	84	87	89	91	95	94	95	81	86
53	55	88	100	100	100	71	76	76	83	85	86	85	91	91	75
59	56	57	58	61	80	85	76	77	81	77	81	74	80	83	72
39	39	39	40	50	58	74	83	78	—	—	—	—	—	—	66
—	—	—	—	—	—	—	—	—	80	89	83	88	83	88	
70	69	61	72	74	73	75	69	89	92	93	90	93	94	95	79
86	80	73	54	52	56	67	83	81	71	81	71	79	79	79	77
84	83	84	87	93	94	95	96	97	96	96	94	91	95	96	90
97	95	98	99	97	97	97	97	97	98	91	79	80	78	79	94
56	52	70	66	60	67	74	76	81	81	82	86	92	85	73	71
50	47	49	52	64	81	90	88	83	—	—	—	—	—	—	74
—	—	—	—	—	—	—	—	—	94	95	97	97	97	97	
65	63	63	64	69	75	78	81	82	85	86	85	87	88	87	77
In.	In.	In.	In.	In.	In.	In.	In.	In.	In	In.	In.	In.	In.	In.	In.
·435	·462	·395	·444	·460	·443	·461	·390	·391	—	—	—	—	—	—	·382
—	—	—	—	—	—	—	—	—	·265	·240	·240	·240	·243	·221	
·379	·400	·393	·391	·337	·322	·314	·288	·271	·264	·264	·257	·254	·248	236	·320
·420	·418	·415	·368	·339	·326	·324	·326	·319	·324	·336	·328	·337	·333	·346	·357
·475	·570	·556	·530	·463	·459	·454	·451	·418	·433	·439	·445	·445	·463	·452	·456
·373	·353	·343	·283	·315	·306	·303	·311	·303	·303	·289	·286	·314	·317	·295	·380
·519	·345	·295	·282	·243	·159	·155	·138	·136	·164	·170	·168	·175	·172	·178	·283
·304	·307	·309	·310	·297	·303	·309	·296	·293	—	—	—	—	—	—	·272
—	—	—	—	—	—	—	—	—	·280	·265	·257	·250	·252	·240	
·140	·155	·142	·158	·190	·188	·186	·193	·197	·190	·197	·195	·199	·190	·191	·197
·337	·337	·348	·315	·301	·294	·269	·254	·244	·233	·223	·219	·216	·217	·228	·264
·297	·287	·283	·254	·257	·236	·240	·252	·250	·249	·249	·240	·247	·253	·279	·278
·477	·465	·434	·398	·412	·362	323	·308	·293	·290	·278	·278	·271	·266	·254	·352
·480	·526	·443	·436	·448	·398	·382	·360	·316	·297	·314	·314	·307	·298	.308	·384
·451	·471	·486	·457	·412	·392	·387	·366	362	—	—	—	—	—	—	·434
—	—	—	—	—	—	—	—	—	·448	·397	·391	·421	·422	·446	
·585	·574	·596	·598	·567	·534	·543	·537	·531	·534	528	·518	·497	·499	·506	·549
·764	·742	·739	·750	·649	·614	568	·575	584	·580	·547	·576	·541	·552	·531	·631
·654	·615	·594	·576	·520	·505	·484	·471	·481	·504	·493	460	477	·462	·392	·569
·395	·402	·614	·706	·655	·527	·336	·330	·317	·318	·324	·323	·319	·331	·346	·411
·414	·430	·477	·445	·420	·368	·355	·340	·329	·312	·317	·320	·292	·314	·325	·372
·290	286	·280	2.3	·316	·307	·311	·310	·303	—	—	—	—	—	—	335
—	—	—	—	—	—	—	—	—	·375	·389	·394	·387	·383	·384	
·523	·5.	·545	·482	·483	·496	·504	·541	·595	·538	·496	·506	·489	·515	·530	·515
·680	·750	·753	·584	·506	·456	·480	523	·508	·465	·457	·429	·446	·442	·449	·553
·533	·521	·511	·530	·549	·536	·524	·503	·504	·499	·499	·473	·466	·481	·492	·512
·541	·552	·548	·561	·528	·522	·522	526	·522	·525	·555	·456	·440	·409	·407	·494
·409	·387	·317	·446	·357	·353	·342	·327	·326	·526	·329	·315	·296	·278	·260	·369
·401	·394	·417	·433	·416	·400	·382	·365	·344	—	—	—	—	—	—	427
—	—	—	—	—	—	—	—	—	·545	·552	·550	·556	·554	·590	
·451	·446	·461	·442	·418	·302	·378	·371	·365	·371	·366	·359	·355	·356	·355	·404

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

		Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
		Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
Humidity of the Air.	JULY.	1	98	92	92	86	84	68	77	71	56	49	43	34
		2	86	78	79	75	72	73	68	60	61	63	55	56
		3	76	73	67	66	61	56	53	52	49	44	45	47
		4	73	63	47	46	58	57	53	48	48	57	53	54
		5	88	89	81	78	82	86	87	81	88	90	89	87
		6	91	65	72	56	50	49	48	44	78	78	40	36
		7	—	—	—	—	—	—	—	—	—	—	—	—
		8	85	81	72	65	64	63	56	51	48	47	51	59
		9	95	87	81	77	70	70	64	56	62	67	75	78
		10	96	89	82	68	67	68	66	67	64	64	64	63
		11	81	72	67	63	62	60	54	60	57	57	54	49
		12	77	77	76	72	65	58	54	53	55	54	54	57
		13	87	75	83	87	80	78	74	71	62	61	63	67
		14	—	—	—	—	—	—	—	—	—	—	—	—
		15	75	75	66	56	55	55	57	60	65	71	77	82
		16	92	91	90	87	82	82	85	80	73	77	75	75
		17	81	79	74	69	62	47	40	65	61	61	56	54
		18	85	77	80	82	81	78	74	74	73	70	70	70
		19	90	87	87	87	89	86	88	75	70	67	70	66
		20	83	76	78	76	93	69	68	66	63	66	59	61
		21	—	—	—	—	—	—	—	—	—	—	—	—
		22	95	88	82	78	73	70	69	67	67	75	83	82
		23	85	78	69	66	69	69	63	61	63	77	73	84
		24	89	83	87	79	76	78	78	74	69	65	70	73
		25	95	95	92	89	76	76	66	65	69	70	65	57
		26	79	71	68	70	72	62	66	68	57	63	60	60
		27	92	91	90	81	77	75	68	67	54	58	66	64
		28	—	—	—	—	—	—	—	—	—	—	—	—
		29	88	92	87	82	79	77	72	66	68	64	60	64
		30	98	97	97	95	95	97	96	94	94	97	98	99
		31	99	98	88	83	75	83	82	74	68	73	87	95
Hourly Means			87	82	79	75	73	70	68	65	65	66	65	66
Tension of the Vapour.	JULY.	1	In. ·655	In. ·682	In. ·693	In. ·684	In. ·668	In. ·670	In. ·699	In. ·666	In. ·595	In. ·549	In. ·513	In. ·404
		2	·352	·420	·465	·481	·497	·549	·539	·518	·508	·533	·522	·460
		3	·384	·393	·406	·401	·400	·382	·372	·369	·343	·299	·304	·325
		4	·240	·233	·197	·206	·278	·280	·275	·272	·275	336	·368	·398
		5	·340	·386	·392	·386	·408	·439	·446	·458	·489	·480	·473	·459
		6	·690	·442	·535	·454	·429	·437	·448	·429	·370	·376	·381	·331
		7	—	—	—	—	—	—	—	—	—	—	—	—
		8	·313	·328	·341	·356	·369	·380	·380	·385	·388	·418	·483	·500
		9	·454	·507	·512	·528	·560	·584	·573	·485	·508	·511	·534	·539
		10	·666	·708	·667	·588	·590	·614	·578	·572	·578	·569	·577	·527
		11	·427	·431	·440	·453	·472	·482	·471	·526	·513	·570	·575	·552
		12	·368	·433	·432	·435	·395	·413	·428	·488	·532	·535	·521	·569
		13	·512	·501	·522	·589	·565	·575	·600	·609	·569	·594	·544	·586
		14	—	—	—	—	—	—	—	—	—	—	—	—
		15	·391	·425	·425	·388	·392	·404	·401	·417	·441	·474	·486	·480
		16	·452	·449	·452	·486	·480	·508	·545	·551	·425	·552	·502	·520
		17	·397	·426	·446	·453	·449	·372	·329	·572	·490	·556	·535	·506
		18	·363	·386	·471	·504	·554	·582	·592	·618	·590	·577	·579	·584
		19	·574	·583	·608	·583	·632	·698	·602	·565	·584	·588	·580	·585
		20	·420	·421	·470	·486	·353	·502	·517	·511	·535	·519	·508	572
		21	—	—	—	—	—	—	—	—	—	—	—	—
		22	·488	·537	·539	·566	·596	·653	·645	·658	·670	·692	·742	·749
		23	·524	·498	·479	·491	·533	·576	·541	·564	·557	·567	·596	·583
		24	·469	·450	·480	·480	·486	·544	·543	·549	·527	·503	598	·519
		25	·482	·480	·500	·510	·460	·493	·452	·493	·468	·483	·496	·537
		26	·383	·374	·383	·419	·431	·407	·441	·480	·433	·477	·500	·507
		27	·397	·470	·536	·513	·523	·537	·518	·532	·447	·500	·608	·492
		28	—	—	—	—	—	—	—	—	—	—	—	—
		29	·478	·544	·569	·569	·608	·636	·618	·645	·711	·691	·693	·660
		30	·611	·668	·683	·700	·698	·716	·735	·717	·730	·708	·709	·712
		31	·678	·716	·726	·719	·695	·786	·820	·756	·758	·817	·738	·796
Hourly Means			·460	·477	·495	·497	·508	·527	·523	·534	·520	·536	·538	·535

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
49	43	34	36	55	49	62	66	75	89	92	93	93	90	95	73
63	55	56	55	58	70	70	76	82	85	77	82	77	86	87	72
44	45	47	46	49	53	58	62	68	73	76	89	91	99	87	64
57	53	54	55	66	80	84	86	81	77	82	89	94	94	93	68
90	89	87	91	93	95	96	96	97	97	97	97	100	99	98	91
78	40	36	38	52	53	58	61	63	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	92	90	92	93	95	90	66
47	51	59	63	72	77	80	89	93	96	95	90	88	92	93	74
67	75	78	83	83	86	93	95	96	95	95	93	98	98	97	83
64	64	63	70	78	80	81	79	78	77	78	81	81	83	83	75
57	54	49	49	54	67	67	72	78	87	90	90	95	86	83	69
54	54	57	63	59	58	58	68	74	78	76	71	80	84	89	67
61	63	67	67	76	83	87	89	89	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	79	73	71	73	71	74	76
71	77	82	82	86	84	92	96	94	94	93	94	94	94	95	79
77	75	75	70	76	85	89	91	90	97	95	92	83	81	84	84
61	56	54	55	68	69	71	75	75	80	88	86	90	91	86	70
70	70	70	68	76	81	80	82	84	85	88	92	95	92	93	80
67	70	66	68	76	66	70	71	71	74	75	81	81	85	83	78
66	59	61	59	71	80	76	87	83	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	93	95	93	95	95	94	78
75	83	82	82	89	96	92	86	88	91	80	82	88	89	88	83
77	73	84	90	91	93	93	95	93	89	86	84	88	86	89	81
65	70	75	78	81	86	85	94	91	94	94	96	96	95	95	84
70	65	57	60	66	89	91	91	90	91	92	91	88	90	95	81
63	60	60	66	82	88	88	88	89	91	90	92	90	88	93	77
58	66	64	69	78	77	78	85	75	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	92	92	85	94	93	96	79
64	60	64	72	77	79	84	91	93	94	96	95	98	98	98	82
97	98	99	98	97	99	99	99	98	98	97	97	97	97	99	97
73	87	95	95	77	75	93	76	74	82	93	94	96	96	95	85
66	65	66	68	74	78	81	83	84	88	88	89	90	90	91	78
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·549	·513	·494	·409	·410	·362	·394	·352	·376	·376	·390	·369	·354	·363	·364	·500
·533	·522	·460	·418	·422	·471	·440	·435	·443	·439	·427	·432	·424	·594	·387	·457
·299	·304	·325	·303	·278	·250	·251	·257	·268	·266	·246	·242	·235	·228	·225	·309
·336	·368	·398	·395	·379	·345	·317	·319	·310	·293	·293	·284	·277	·270	·282	·296
·480	·473	·459	·470	·481	·494	·496	·509	·477	·518	·537	·518	·538	·516	·542	·469
·376	·381	·331	·345	·421	·345	·338	·322	·314	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	·290	·284	·285	·287	·286	·282	·376
·418	·483	·500	·500	·482	·452	·485	·430	·423	·415	·413	·386	·340	·396	·38	·406
·511	·534	·539	·636	·624	·594	·559	·549	·571	·564	·564	·553	·592	·602	·20	·555
·569	·577	·527	·481	·476	·471	·472	·469	·456	·438	·437	·430	·426	·421	·420	·526
·570	·575	·552	·515	·496	·452	·416	·408	·398	·382	·345	·355	·382	·336	·331	·447
·535	·521	·569	·552	·448	·382	·360	·382	·406	·416	·435	·441	·453	·475	·485	·449
·594	·544	·586	·576	·556	·523	·514	·510	·518	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	·393	·388	·387	·374	·367	·373	·510
·474	·486	·480	·461	·468	·453	·490	·501	·471	·468	·468	·471	·463	·467	·462	·449
·552	·502	·520	·616	·547	·508	·500	·489	·468	·453	·427	·427	·403	·385	·385	·460
·556	·535	·506	·486	·514	·397	·358	·338	·327	·336	·325	·319	·321	·315	·302	·411
·577	·579	·584	·596	·561	·548	·548	·538	·528	·543	·538	·521	·516	·550	·550	·539
·588	·580	·585	·509	·513	·407	·406	·391	·389	·397	·405	·424	·422	·409	·401	·511
·519	·508	·572	·566	·542	·523	·378	·377	·356	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	·442	·426	·407	·413	·408	·403	·469
·692	·742	·749	·608	·745	·724	·705	·583	·566	·554	·480	·491	·523	·514	·515	·614
·567	·596	·583	·614	·654	·615	·578	·568	·546	·489	·472	·465	·470	·468	·477	·539
·503	·398	·519	·502	·490	·497	·505	·519	·509	·514	·513	·516	·520	·511	·492	·506
·483	·496	·537	·539	·506	·457	·430	·405	·386	·389	·395	·415	·410	·416	·412	·459
·477	·500	·507	·580	·535	·435	·403	·382	·367	·364	·358	·356	·348	·340	·346	·419
·500	·608	·492	·601	·520	·409	·367	·354	·338	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	·440	·433	·395	·421	·403	·405	·465
·691	·653	·660	·654	·642	·615	·627	·605	·557	·536	·535	·529	·567	·567	·573	·600
·708	·709	·712	·682	·686	·680	·674	·675	·677	·677	·676	·671	·668	·668	·647	·686
·817	·738	·796	·818	·691	·530	·578	·541	·544	·507	·532	·509	·495	·485	·476	·635
·536	·538	·535	·542	·[illegible]	·479	·466	·454	·441	·441	·435	·430	·431	·428	·428	·485

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

Hours of Mean Göttingen Time.		0	1	2	3	4	5	6	7	8	9	10	11	12
Hours of Mean Toronto Time.		18	19	20	21	22	23	0	1	2	3	4	5	6
Humidity of the Air. AUGUST.	1	96	92	84	83	84	85	85	79	76	75	72	79	79
	2	91	86	79	75	70	57	58	58	53	54	50	51	50
	3	91	86	87	86	84	80	77	75	74	75	85	83	83
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	95	85	81	77	75	75	78	68	73	76	76	82	73
	6	97	93	89	83	87	84	95	82	68	68	61	54	64
	7	93	82	73	78	77	74	72	91	63	62	62	53	65
	8	95	95	86	88	77	75	72	80	74	77	72	72	82
	9	87	84	76	75	76	65	64	68	72	76	81	76	80
	10	89	80	74	66	77	76	72	52	50	46	41	52	43
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	81	77	70	68	64	57	63	64	65	67	64	63	74
	13	95	93	87	84	82	80	78	76	74	67	70	71	74
	14	91	96	93	94	91	91	89	88	79	75	73	69	71
	15	97	98	93	91	87	82	79	78	75	78	77	76	81
	16	97	97	92	84	86	86	78	58	78	85	76	65	77
	17	86	83	72	69	61	50	44	65	66	68	69	48	53
	18	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	97	96	97	96	91	91	89	87	94	84	79	75	80
	20	93	92	97	88	83	81	78	79	76	71	63	52	55
	21	66	70	72	76	75	73	65	61	56	56	57	57	62
	22	77	78	82	82	83	93	96	95	91	84	84	91	90
	23	98	98	95	84	75	66	61	53	48	50	52	48	52
	24	96	86	82	81	70	77	54	52	64	68	61	65	68
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	95	93	89	83	86	81	80	77	76	74	77	82	82
	27	96	94	90	83	78	81	84	87	91	81	81	73	73
	28	94	93	89	90	81	86	84	73	89	87	79	79	86
	29	93	93	88	83	76	70	66	67	71	66	64	62	72
	30	93	93	89	84	86	74	76	80	86	93	89	93	92
	31	96	94	92	85	84	88	82	80	78	78	76	72	76
	32	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		92	89	85	82	79	77	75	73	73	72	70	68	72
Tension of the Vapour. AUGUST.	1	In. ·512	In. ·531	In. ·545	In. ·570	In. ·632	In. ·659	In. ·707	In. ·735	In. ·693	In. ·769	In. ·779	In. ·753	In. ·733
	2	·428	·594	·500	·512	·514	·449	·458	·473	·456	·463	·459	·476	·450
	3	·394	·406	·463	·510	·568	·582	·601	·610	·556	·540	·565	·548	·557
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	·320	·362	·388	·425	·470	·491	·543	·514	·589	·577	·544	·569	·483
	6	·518	·528	·527	·523	·596	·639	·597	·586	·551	·513	·457	·437	·460
	7	·348	·375	·395	·481	·515	·544	·595	·554	·533	·514	·514	·496	·495
	8	·548	·564	·551	·603	·581	·594	·603	·637	·658	·748	·715	·684	·673
	9	·575	·568	·575	·576	·609	·600	·600	·610	·642	·678	·629	·709	·605
	10	·430	·425	·420	·392	·475	·511	·500	·391	·378	·380	·331	·349	·344
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	·303	·329	·329	·352	·359	·344	·422	·419	·459	·436	·468	·469	·465
	13	·379	·395	·413	·474	·500	·511	·523	·522	·527	·450	·448	·482	·466
	14	·445	·499	·523	·547	·562	·587	·594	·598	·635	·600	·577	·542	·532
	15	·528	·587	·615	·629	·638	·655	·641	·690	·700	·642	·633	·627	·626
	16	·507	·581	·635	·645	·684	·725	·744	·757	·687	·797	·697	·616	·610
	17	·504	·515	·478	·480	·465	·406	·391	·571	·569	·612	·605	·396	·372
	18	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	·607	·617	·627	·671	·679	·737	·760	·723	·776	·794	·795	·761	·788
	20	·612	·620	·658	·565	·547	·513	·491	·482	·513	·502	·451	·402	·416
	21	·268	·303	·334	·374	·401	·410	·380	·385	·356	·376	·404	·387	·403
	22	·398	·423	·430	·434	·450	·485	·513	·551	·675	·734	·704	·698	·632
	23	·592	·625	·630	·574	·464	·455	·444	·395	·381	·402	·423	·374	·373
	24	·323	·347	·380	·426	·413	·508	·348	·380	·384	·405	·365	·379	·376
	25	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	·319	·349	·400	·412	·466	·465	·480	·490	·490	·456	·424	·419	·403
	27	·405	·411	·419	·418	·416	·425	·449	·502	·453	·516	·447	·472	·426
	28	·386	·403	·427	·452	·483	·508	·598	·379	·450	·508	·490	·459	·466
	29	·389	·397	·413	·461	·446	·436	·444	·446	·505	·451	·477	·456	·487
	30	·343	·372	·403	·448	·500	·466	·504	·577	·535	·559	·554	·557	·543
	31	·516	·531	·543	·529	·601	·610	·586	·603	·593	·627	·630	·665	·588
	32	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		·441	·465	·490	·499	·520	·530	·534	·537	·546	·557	·540	·526	·511

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
75	72	79	79	65	74	80	80	72	78	89	91	89	88	90	82
54	50	51	50	56	72	74	76	78	77	80	88	90	90	86	71
75	85	83	83	75	96	94	91	91	—	—	—	—	—	—	86
—	—	—	—	—	—	—	—	—	86	89	91	91	93	89	
76	76	82	73	72	72	89	94	96	96	95	97	97	97	97	84
68	61	54	64	56	64	75	77	79	80	75	80	86	91	93	78
62	62	33	65	80	80	85	83	86	92	97	97	96	97	95	81
77	72	72	82	87	93	96	93	90	95	95	95	94	95	90	86
76	81	76	80	77	80	82	72	69	74	80	76	89	86	87	77
46	41	52	43	52	73	80	71	77	—	—	—	—	—	—	69
—	—	—	—	—	—	—	—	—	74	78	88	83	89	84	
67	64	63	74	87	91	91	91	93	93	93	94	91	95	95	79
67	70	71	74	83	85	82	88	88	89	89	87	92	91	95	83
75	73	69	71	77	84	88	95	97	96	95	97	97	97	97	88
78	77	78	81	90	95	95	96	96	95	95	95	92	97	97	89
85	76	65	77	83	89	88	89	89	88	91	96	95	92	91	85
68	69	48	53	55	59	64	63	66	—	—	—	—	—	—	72
—	—	—	—	—	—	—	—	—	97	97	99	97	99	98	
84	79	75	80	84	100	82	87	92	96	97	97	96	96	96	91
71	63	52	55	63	90	91	76	78	76	75	62	66	65	64	76
56	57	57	62	76	81	81	73	77	76	71	74	74	72	72	70
84	84	91	90	92	97	98	98	98	97	97	98	99	98	97	91
50	52	48	52	60	67	80	80	81	83	90	90	86	81	91	74
68	61	65	68	77	82	82	89	90	—	—	—	—	—	—	79
—	—	—	—	—	—	—	—	—	90	94	92	94	95	95	
74	77	82	82	89	92	91	91	93	93	92	94	93	93	96	87
81	81	73	73	94	93	92	94	96	97	95	95	92	92	95	89
87	79	79	86	87	88	90	91	91	93	93	92	90	92	92	88
66	64	62	72	68	83	87	91	90	91	96	95	95	96	96	82
93	89	93	92	95	95	89	94	95	95	97	94	96	96	96	90
78	76	72	76	89	96	95	95	97	—	—	—	—	—	—	89
—	—	—	—	—	—	—	—	—	95	96	97	97	97	98	
72	70	68	72	77	84	86	86	87	89	90	91	91	91	92	82
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·769	·779	·733	·553	·557	·553	·554	·511	·422	·420	·405	·395	·386	·371	·386	·567
·463	·459	·476	·450	·429	·436	·420	·407	·390	·375	·355	·365	·352	·358	·341	·432
·510	·565	·588	·557	·487	·532	·515	·498	·493	—	—	—	—	—	—	·470
—	—	—	—	—	—	—	—	—	·307	·310	·308	·303	·302	·285	
·577	·544	·569	·483	·442	·434	·479	·486	·512	·531	·513	·525	·539	·522	·518	·492
·513	·457	·437	·460	·383	·357	·370	·352	·398	·336	·327	·336	·333	·329	·328	·447
·514	·514	·498	·495	·531	·501	·507	·495	·509	·525	·539	·539	·525	·522	·518	·502
·748	·715	·684	·673	·635	·627	·616	·583	·576	·618	·618	·618	·603	·605	·604	·619
·678	·629	·709	·605	·628	·611	·577	·504	·453	·456	·461	·416	·450	·413	·415	·557
·380	·331	·349	·344	·361	·366	·346	·330	·340	—	—	—	—	—	—	·364
—	—	—	—	—	—	—	—	—	·284	·283	·296	·269	·260	·282	
·436	·468	·469	·465	·432	·406	·390	·383	·378	·362	·337	·326	·308	·316	·325	·380
·450	·448	·452	·466	·460	·451	·424	·446	·453	·441	·445	·444	·466	·460	·470	·459
·600	·577	·542	·532	·496	·497	·469	·487	·476	·472	·466	·466	·487	·501	·522	·524
·642	·633	·607	·626	·574	·579	·533	·516	·516	·501	·505	·501	·462	·482	·479	·579
·797	·697	·616	·610	·670	·670	·627	·610	·606	·588	·634	·629	·602	·562	·524	·642
·612	·605	·399	·372	·350	·348	·355	·354	·331	—	—	—	—	—	—	·485
—	—	—	—	—	—	—	—	—	·541	·574	·605	·604	·614	·608	
·794	·795	·761	·788	·749	·708	·631	·627	·602	·590	·581	·585	·583	·558	·558	·671
·502	·451	·402	·416	·416	·446	408	·356	·352	·342	·326	·279	·279	·271	·254	·439
·376	·404	·387	·403	·382	·374	·374	·354	·378	·371	·346	·362	·373	·367	·374	·368
·734	·704	·698	·632	·609	·608	·610	·631	·613	·642	·624	·621	·600	·567	·531	·574
·402	·423	·374	·373	337	·335	·351	·340	·339	·327	·328	·321	·315	·320	·306	·406
·405	·365	·379	·376	·390	·387	·383	·377	·378	—	—	—	—	—	—	·369
—	—	—	—	—	—	—	—	—	·345	·325	·333	·307	·308	·297	
·456	·424	·419	·403	·415	·419	·416	·403	·400	·404	·400	·400	·398	·398	·403	·418
·516	·447	·423	·426	·436	·397	·371	·356	·356	·350	·369	·364	·353	·370	·379	·411
·508	·490	·459	·466	·436	·410	·405	·408	·401	·406	·398	·388	·378	[illegible]	·396	·431
·451	·477	·456	·487	·386	·408	·390	·366	·370	·346	·345	·332	·321	[illegible]	·386	·410
·559	·554	·557	·543	·538	·526	·504	·504	·514	·520	·514	·515	·517	—	·516	·502
·627	·630	·665	·588	·517	·507	·476	·479	·493	—	—	—	—	—	—	·571
—	—	—	—	—	—	—	—	—	·605	·594	·592	·602	·607	·608	
·557	·540	·526	·511	·484	·477	·463	·450	·444	·445	·442	·439	·434	·427	·428	·485

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

		Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12	13
		Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6	7
Humidity of the Air.	SEPTEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		2	98	96	93	94	94	95	94	89	86	78	59	58	54	59
		3	86	81	75	71	65	57	58	56	50	48	41	70	51	94
		4	83	82	74	70	61	57	53	48	46	41	42	43	45	51
		5	84	89	69	69	52	66	64	61	59	65	67	67	70	80
		6	96	94	91	85	83	80	79	77	75	72	72	72	74	81
		7	96	94	88	83	82	77	76	78	75	72	75	75	82	87
		8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		9	96	97	95	95	96	95	92	87	91	84	85	61	87	95
		10	94	95	93	92	91	88	83	83	79	79	78	82	76	93
		11	99	96	97	93	82	90	87	85	84	83	92	90	88	93
		12	88	86	85	84	79	75	72	78	76	79	77	74	78	91
		13	94	90	82	78	69	72	70	69	55	62	61	65	76	84
		14	96	97	90	86	86	87	78	69	70	70	72	70	71	89
		15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		16	96	96	95	91	80	74	71	67	64	65	65	67	80	85
		17	92	91	89	87	82	76	75	72	68	71	67	64	74	82
		18	79	83	64	56	51	61	64	62	59	60	61	68	81	86
		19	95	96	82	82	77	76	73	71	66	77	78	76	82	86
		20	97	98	95	91	89	83	75	67	62	59	59	61	84	72
		21	84	85	79	73	61	57	73	34	37	41	44	34	86	69
		22	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		23	73	76	72	69	74	81	72	65	68	69	68	61	62	69
		24	86	89	82	77	75	71	70	69	68	75	54	67	68	76
		25	94	66	93	87	83	78	75	67	76	73	78	80	83	85
		26	90	87	81	82	63	57	51	48	48	54	47	56	63	71
		27	88	78	72	58	55	60	50	79	50	49	48	51	65	74
		28	81	78	62	54	65	65	63	69	68	66	66	71	72	71
		29	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		30	82	87	84	78	71	60	52	50	52	55	55	55	56	61
Hourly Means			90	88	83	79	75	74	71	68	65	66	64	66	72	79
			In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Tension of the Vapour.	SEPTEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		2	·611	·620	·640	·649	·656	·651	·681	·753	·733	·732	·619	·599	·488	·436
		3	·381	·397	·415	·429	·417	·398	·421	·400	·399	·389	·395	·488	·422	·637
		4	·372	·401	·402	·408	·380	·377	·363	·339	·332	·302	·301	·310	·295	·274
		5	·338	·372	·360	·368	·327	·386	·376	·385	·367	·418	·422	·403	·386	·388
		6	·365	·420	·501	·508	·513	·516	·525	·542	·552	·531	·532	·513	·483	·472
		7	·370	·476	·487	·486	·501	·508	·532	·544	·535	·520	·520	·514	·490	·487
		8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		9	·501	·539	·541	·563	·583	·622	·610	·617	·629	·642	·637	·583	·585	·535
		10	·475	·494	·524	·544	·530	·565	·600	·641	·609	·584	·644	·627	·539	·521
		11	·524	·527	·550	·572	·520	·585	·585	·635	·632	·576	·604	·574	·556	·546
		12	·431	·437	·451	·464	·485	·511	·500	·604	·582	·579	·584	·577	·530	·493
		13	·321	·381	·420	·450	·427	·486	·483	·496	·419	·471	·464	·545	·453	·434
		14	·356	·428	·475	·511	·552	·609	·589	·563	·585	·627	·649	·654	·552	·563
		15	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		16	·413	·478	·539	·600	·611	·614	·616	·604	·595	·620	·658	·663	·601	·540
		17	·423	·453	·519	·580	·607	·568	·628	·646	·656	·704	·672	·611	·608	·615
		18	·322	·353	·322	·309	·311	·393	·430	·425	·423	·436	·449	·509	·438	·409
		19	·284	·331	·375	·432	·477	·527	·550	·598	·601	·658	·678	·668	·633	·633
		20	·476	·576	·618	·637	·670	·686	·710	·658	·633	·592	·580	·566	·592	·538
		21	·558	·580	·584	·574	·460	·387	·450	·199	·200	·212	·216	·263	·355	·262
		22	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		23	·190	·205	·222	·250	·284	·360	·309	·278	·293	·284	·269	·236	·229	·243
		24	·247	·265	·273	·290	·291	·304	·300	·307	·318	·360	·282	·310	·303	·288
		25	·213	·167	·254	·277	·296	·309	·302	·260	·285	·270	·273	·276	·275	·275
		26	·208	·217	·224	·247	·225	·214	·200	·185	·192	·211	·190	·198	·195	·197
		27	·143	·158	·166	·158	·162	·180	·165	·163	·168	·168	·167	·170	·174	·166
		28	·164	·169	·158	·150	·200	·210	·225	·247	·244	·230	·221	·230	·228	·220
		29	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		30	·221	·235	·268	·285	·314	·298	·267	·259	·257	·250	·230	·207	·188	·184
Hourly Means			·356	·387	·412	·430	·432	·451	·457	·454	·450	·455	·450	·432	·424	·414

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
—	—	—	—	—	—	—	—	—	—	—	—	—
54	59	63	65	64	65	70	79	79	83	85	85	79
51	94	62	72	77	77	81	81	83	85	89	86	71
45	51	52	57	68	68	76	80	81	81	84	87	64
70	80	81	87	96	92	93	93	93	96	98	96	79
74	81	83	88	92	91	93	95	93	96	96	96	86
82	87	91	92	93	94	—	—	—	—	—	—	86
—	—	—	—	—	—	92	93	94	92	95	96	
87	95	88	91	89	90	90	92	92	92	95	95	90
76	93	95	96	90	96	97	97	97	97	97	99	91
88	93	90	88	90	90	90	88	88	89	87	88	89
78	91	94	93	93	92	87	84	83	85	90	94	84
76	84	89	92	90	90	96	96	95	96	96	95	82
71	89	92	89	92	94	—	—	—	—	—	—	86
—	—	—	—	—	—	97	95	92	96	96	97	
80	85	80	89	88	82	85	87	84	83	91	91	82
74	82	89	90	91	87	79	65	53	61	68	76	77
81	86	86	81	83	87	90	94	93	94	93	94	76
82	86	87	88	93	95	93	96	96	96	96	98	86
84	72	78	87	91	93	96	95	95	92	89	88	83
86	69	62	69	67	72	—	—	—	—	—	—	66
—	—	—	—	—	—	80	69	72	70	73	82	
62	69	67	70	74	79	83	90	83	84	83	84	74
68	76	72	67	71	82	87	90	90	92	93	96	78
83	85	87	83	82	79	76	75	82	83	84	87	81
63	71	69	65	62	71	68	81	76	74	81	88	68
65	74	72	73	76	76	76	78	79	79	77	78	68
72	71	72	76	75	80	—	—	—	—	—	—	74
—	—	—	—	—	—	81	83	87	87	85	88	
56	61	65	68	71	73	75	78	76	75	74	72	68
72	79	79	81	83	84	85	86	85	86	88	89	79

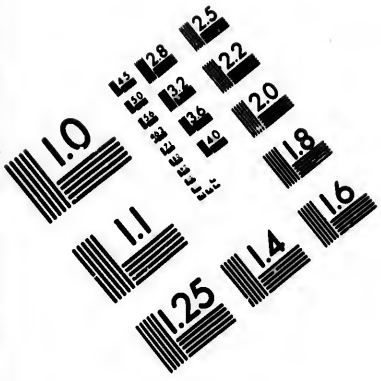
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
—	—	—	—	—	—	—	—	—	—	—	—	—
·488	·436	·409	·383	·357	·356	·363	·370	·369	·368	·371	·371	·524
·422	·637	·363	·368	·359	·349	·349	·345	·351	·354	·317	·333	·395
·295	·274	·253	·253	·282	·280	·311	·317	·323	·313	·333	·339	·328
·386	·388	·360	·394	·408	·395	·407	·400	·383	·364	·359	·361	·380
·483	·472	·467	·472	·454	·421	·406	·405	·369	·405	·382	·365	·463
·490	·487	·453	·424	·423	·418	—	—	—	—	—	—	·491
—	—	—	—	—	—	·527	·530	·536	·513	·501	·485	
·585	·535	·503	·486	·472	·463	·461	·466	·468	·464	·449	·466	·537
·539	·521	·484	·475	·507	·495	·537	·537	·537	·537	·531	·530	·544
·556	·546	·527	·522	·512	·498	·489	·472	·466	·450	·445	·442	·534
·530	·493	·469	·442	·454	·435	·415	·393	·366	·356	·338	·329	·468
·453	·434	·393	·384	·369	·355	·368	·377	·347	·354	·351	·341	·412
·552	·563	·552	·524	·534	·510	—	—	—	—	—	—	·521
—	—	—	—	—	—	·491	·476	·452	·429	·418	·411	
·601	·540	·504	·487	·457	·403	·411	·421	·397	·390	·400	·394	·517
·608	·615	·558	·525	·522	·566	·530	·424	·308	·322	·340	·333	·530
·438	·409	·384	·387	·362	·353	·344	·336	·309	·307	·299	·294	·371
·633	·633	·614	·572	·546	·520	·513	·492	·478	·481	·478	·482	·526
·592	·538	·543	·586	·582	·547	·534	·533	·540	·570	·559	·556	·587
·355	·262	·215	·224	·206	·211	—	—	—	—	—	—	·305
—	—	—	—	—	—	·204	·188	·190	·186	·193	·200	
·229	·243	·231	·241	·251	·249	·240	·250	·243	·243	·235	·242	·253
·303	·288	·245	·232	·230	·227	·209	·217	·219	·223	·204	·206	·265
·275	·275	·266	·255	·249	·234	·224	·216	·231	·228	·226	·218	·253
·195	·197	·178	·167	·164	·181	·175	·164	·150	·143	·139	·146	·188
·174	·166	·153	·157	·166	·172	·170	·180	·172	·172	·162	·160	·166
·228	·220	·222	·228	·214	·220	—	—	—	—	—	—	·210
—	—	—	—	—	—	·208	·208	·208	206	·212	·212	
·188	·184	·182	·176	·165	·161	·162	·150	·146	·142	·144	·139	·210
·424	·414	·381	·375	·362	·361	·362	·355	·342	·342	·335	·334	·399

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6
Humidity of the Air. OCTOBER.	1	72	72	72	73	66	53	60	60	57	59	62	66	75
	2	97	96	92	88	86	83	82	87	83	83	79	88	91
	3	96	95	97	88	85	83	77	73	70	76	80	87	81
	4	95	94	88	86	85	71	76	70	84	72	76	86	87
	5	85	78	75	73	76	73	79	79	69	67	64	67	72
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	91	83	76	72	67	66	64	65	67	64	66	71	82
	8	100	95	64	84	84	82	71	60	55	59	61	64	65
	9	80	80	81	76	66	61	62	70	67	34	36	67	78
	10	90	89	90	76	81	73	66	45	40	42	41	56	59
	11	87	88	84	77	71	68	71	68	68	69	67	69	74
	12	88	88	85	82	75	71	66	65	61	64	—	72	81
	13	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	93	95	96	96	96	92	95	95	95	95	—	95	96
	15	95	94	92	86	86	86	82	81	76	74	74	81	75
	16	93	92	88	82	73	71	68	68	61	77	79	70	76
	17	91	90	93	93	93	93	93	92	93	93	93	92	95
	18	83	85	83	84	84	85	88	88	93	92	93	93	97
	19	71	75	66	67	63	57	50	49	45	03	84	72	72
	20	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	84	78	73	76	89	64	64	66	73	69	70	72	78
	22	95	95	94	94	85	80	79	78	76	74	75	83	88
	23	96	98	97	98	98	97	95	92	82	79	78	80	89
	24	96	98	97	91	85	82	78	76	72	72	72	81	80
	25	92	93	90	87	85	81	78	80	78	78	80	84	63
	26	87	79	81	84	73	73	73	74	76	79	83	89	95
	27	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	96	95	94	95	96	97	96	100	100	100	99	90	88
	29	88	90	81	91	95	86	84	90	91	90	88	91	94
	30	85	84	81	82	82	79	74	70	70	72	70	74	81
	31	94	93	95	87	90	80	65	74	80	76	74	78	88
Hourly Means		90	89	85	84	82	77	75	75	73	73	74	78	81
Tension of the Vapour. OCTOBER.	1	In. ·140	In. ·156	In. ·186	In. ·224	In. ·234	In. ·206	In. ·232	In. ·247	In. ·241	In. ·247	In. ·261	In. ·255	In. ·233
	2	·249	·277	·233	·371	·384	·378	·398	·392	·419	·419	·404	·419	·415
	3	·277	·275	·339	·352	·362	·391	·382	·368	·369	·378	·393	·377	·360
	4	·270	·299	·315	·335	·343	·321	·378	·322	·325	·315	·340	·346	·339
	5	·282	·272	·264	·260	·271	·274	·285	·304	·262	·261	·247	·253	·259
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	·171	·171	·183	·188	·191	·193	·190	·191	·198	·210	·224	·217	·200
	8	·166	·165	·156	·235	·266	·320	·338	·305	·298	·322	·317	·305	·297
	9	·295	·307	·320	·338	·342	·337	·381	·392	·407	·244	·253	·333	·311
	10	·381	·382	·373	·339	·326	·278	·253	·200	·190	·198	·189	·211	·219
	11	·189	·198	·213	·213	·225	·230	·256	·268	·269	·270	·261	·271	·210
	12	·168	·174	·198	·231	·243	·246	·245	·249	·240	·242	·248	·254	·231
	13	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	·277	·292	·328	·345	·357	·347	·356	·346	·343	·340	·336	·333	·325
	15	·252	·260	·276	·294	·309	·321	·320	·319	·302	·286	·282	·290	·248
	16	·203	·207	·212	·219	·214	·220	·229	·238	·223	·264	·269	·224	·238
	17	·235	·233	·245	·252	·275	·286	·282	·275	·275	·273	·273	·265	·261
	18	·204	·208	·204	·212	·224	·235	·241	·238	·249	·242	·245	·249	·271
	19	·181	·190	·166	·174	·176	·166	·142	·139	·128	·156	·181	·160	·153
	20	—	—	—	—	—	—	—	—	—	—	—	—	—
	21	·184	·181	·185	·205	·260	·205	·203	·205	·224	·211	·216	·217	·222
	22	·240	·252	·268	·294	·294	·279	·292	·300	·290	·295	·277	·256	·246
	23	·200	·209	·245	·267	·283	·298	·309	·314	·340	·313	·296	·266	·252
	24	·206	·223	·277	·292	·299	·306	·315	·329	·319	·311	·305	·295	·292
	25	·297	·306	·340	·352	·362	·374	·388	·394	·385	·388	·396	·363	·273
	26	·204	·194	·219	·243	·220	·239	·244	·247	·247	·249	·253	·259	·264
	27	—	—	—	—	—	—	—	—	—	—	—	—	—
	28	·144	·142	·144	·146	·149	·152	·150	·160	·155	·156	·154	·141	·137
	29	·138	·141	·131	·151	·155	·144	·145	·152	·149	·149	·142	·143	·144
	30	·138	·138	·138	·146	·150	·153	·154	·147	·147	·153	·145	·156	·163
	31	·104	·097	·109	·130	·154	·152	·141	·179	·205	·205	·200	·177	·158
Hourly Means		·215	·220	·232	·252	·262	·261	·268	·267	·267	·263	·263	·261	·249

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
59	62	66	75	52	88	90	89	89	92	93	95	95	96	96	76
83	79	88	91	85	86	83	86	91	91	—	92	96	94	95	88
76	80	87	81	78	77	83	89	89	92	90	92	93	93	97	86
72	76	86	87	88	88	88	94	83	81	83	90	88	87	88	84
67	64	67	72	76	83	84	87	85	—	—	—	—	—	—	78
—	—	—	—	—	—	—	—	—	79	81	85	83	92	91	
64	66	71	82	87	87	95	94	92	94	94	95	93	97	95	82
59	61	64	65	61	59	58	60	66	61	64	65	70	74	77	69
34	36	67	78	81	84	84	83	86	91	93	91	86	84	92	76
42	41	59	59	63	73	74	77	30	87	88	89	76	87	86	72
69	67	69	74	68	73	76	79	87	82	86	83	81	89	89	77
64	—	72	81	87	89	84	84	88	—	—	—	—	—	—	78
—	—	—	—	—	—	—	—	—	64	71	80	81	86	88	
95	[illegible]	95	96	98	95	96	95	95	96	95	93	94	95	97	95
74	74	81	75	76	80	86	84	85	84	85	87	91	91	90	84
77	79	70	76	76	80	85	88	90	90	88	88	88	93	99	82
93	93	92	95	95	94	95	93	95	93	90	92	88	87	88	92
92	93	93	97	97	97	98	97	97	89	67	68	64	71	69	86
63	84	72	72	75	75	80	88	83	—	—	—	—	—	—	71
—	—	—	—	—	—	—	—	—	74	63	69	78	89	89	
69	70	72	78	84	88	85	93	94	95	96	89	96	96	98	82
74	75	83	88	93	97	96	98	96	96	97	97	96	96	98	90
79	78	80	89	85	86	89	92	97	96	97	96	96	98	96	92
72	72	81	80	93	89	92	90	92	93	93	93	93	93	92	87
78	80	84	63	68	71	72	74	75	82	93	87	88	82	82	81
79	83	89	95	89	89	89	93	94	—	—	—	—	—	—	84
—	—	—	—	—	—	—	—	—	81	79	79	78	94	96	
100	99	90	88	81	85	85	88	86	84	85	91	85	85	85	91
90	88	91	94	91	89	85	88	95	90	92	91	91	85	84	89
72	70	74	81	81	83	87	85	95	93	91	87	88	93	92	82
76	74	78	88	94	95	95	96	93	—	94	91	95	88	94	87
73	74	78	81	82	84	86	87	89	87	86	87	87	89	90	83
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·247	·261	·255	·233	·163	·214	·224	·218	·214	·212	·220	·219	·228	·228	·236	·218
·419	·404	·419	·405	·390	·397	·394	·403	·415	·412	—	·356	·351	·333	·300	·370
·378	·393	·377	·360	·293	·281	·286	·278	·288	·296	·284	·273	·268	·268	·269	·221
·315	·340	·346	·339	·332	·319	·307	·290	·279	·269	·269	·272	·256	267	·280	·308
·261	·247	·253	·259	·262	·264	·269	·263	·268	—	—	—	—	—	—	·245
—	—	—	—	—	—	—	—	—	·185	·187	·181	·175	·168	·171	
·210	·224	·217	·200	·181	·181	·175	·170	·161	·165	·166	·165	·162	·163	·154	·182
·322	·317	·307	·297	·266	·259	·259	·264	·263	·263	·269	·271	·274	·287	·291	·269
·244	·253	·333	·311	·306	·344	·309	·258	·253	·262	·284	·281	·307	·322	·384	·316
·198	·189	·211	·219	·215	·213	·213	·217	·220	·213	·209	·206	·180	·194	·187	·242
·270	·261	·271	·210	·185	·181	·184	·185	·179	·177	·174	·164	·161	·167	·168	·208
242	·248	·254	·231	·233	·257	·276	·269	·247	—	—	—	—	—	—	·233
—	—	—	—	—	—	—	—	—	·213	·236	·246	·244	·248	·258	
·340	·336	·333	·325	·326	·313	·312	·311	·309	·314	·307	·302	·288	·277	·269	·319
·286	·282	·290	·248	·236	·236	·237	·229	·221	·212	·208	·203	·208	·203	·200	·256
·264	·269	·224	·238	·229	·224	·217	·226	·228	·222	·220	·214	·219	·233	·199	·225
·273	·273	·265	·261	·251	·242	·249	·246	·245	·240	·233	·234	·226	·216	·217	·251
·242	·245	·249	·271	·285	·311	·346	·356	·356	·376	·238	·227	·189	·196	·183	·253
·156	·181	·160	·153	·154	·153	·157	·165	·151	—	—	—	—	—	—	·162
—	—	—	—	—	—	—	—	—	·119	·139	·155	·177	·203	·197	
·211	·216	·217	·222	·222	·216	·230	·219	·203	·200	·193	·205	·228	·229	·236	·212
·295	·277	·256	·246	·230	·218	·208	·212	·201	·199	·212	·208	·214	·204	·216	·246
·313	·296	·266	·252	·253	·278	·280	·264	·249	·221	·215	·200	·202	·203	·206	·257
·311	·305	·295	·292	·298	·270	·283	·282	·264	·299	·296	·306	·295	·296	·292	·290
·388	·396	·363	·273	·261	·249	·234	·225	·210	·200	·191	·202	·216	·212	·217	·293
·249	·253	·239	·264	·251	·252	·254	·225	·214	—	—	—	—	—	—	·215
—	—	—	—	—	—	—	—	—	·161	·151	·144	·135	·145	·145	
·156	·154	·141	·137	·131	·135	·136	·138	·138	·135	·136	·141	·135	·136	·136	·143
·149	·142	·143	·144	·141	·140	·135	·142	·150	·145	·150	·151	·151	·140	·135	·144
·153	·145	·156	·163	·165	·166	·157	·140	·131	·127	·126	·127	·122	·109	·098	·142
·205	·200	·177	·158	·156	·150	·149	·146	·138	—	·136	·131	·131	·128	·134	·142
·263	·263	·261	·249	·238	·239	·240	·235	·230	·225	·210	·214	·213	·214	·214	·254



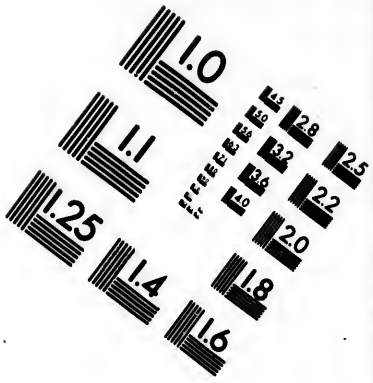
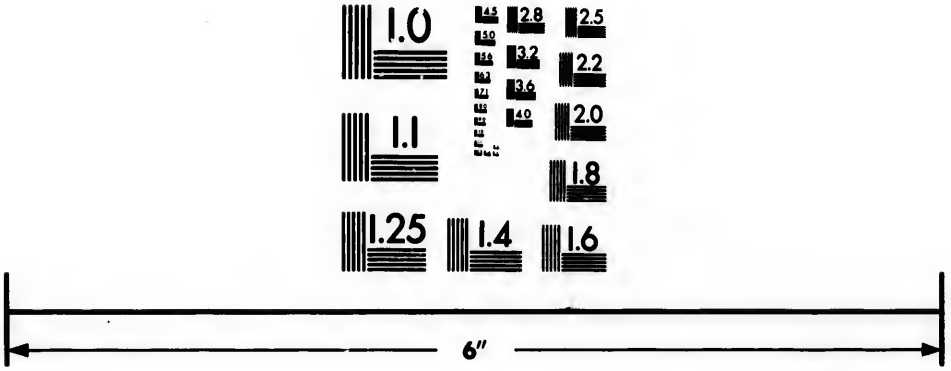


IMAGE EVALUATION TEST TARGET (MT-3)



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HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

		Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	12
		Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5	6
Humidity of the Air.	NOVEMBER.	1	94	96	95	78	88	88	82	83	84	84	84	86	92
		2	95	95	95	88	88	86	85	82	78	79	84	88	92
		3	—	—	—	—	—	—	—	—	—	—	—	—	—
		4	88	91	90	92	91	84	84	84	81	88	90	93	93
		5	94	93	93	86	82	80	75	54	55	57	61	70	74
		6	91	93	85	72	56	53	47	47	51	53	54	64	76
		7	90	95	93	88	81	77	76	84	83	86	85	89	90
		8	86	90	83	74	72	71	68	69	72	73	79	93	95
		9	96	96	93	87	78	86	87	85	82	75	76	84	93
		10	—	—	—	—	—	—	—	—	—	—	—	—	—
		11	97	97	98	98	98	98	96	95	97	97	97	97	97
		12	95	97	97	96	95	96	94	95	96	96	95	95	96
		13	78	83	74	64	64	64	59	55	59	64	59	63	69
		14	81	84	80	73	68	63	61	65	72	82	93	93	74
		15	81	85	83	71	76	71	69	68	66	68	74	84	81
		16	91	95	95	91	84	79	79	76	75	79	84	92	92
		17	—	—	—	—	—	—	—	—	—	—	—	—	—
		18	73	79	75	79	74	72	72	75	84	73	79	76	86
		19	76	83	88	72	72	69	58	66	66	74	86	94	97
		20	90	90	84	79	75	79	78	78	75	70	68	78	81
		21	95	97	96	91	90	82	80	74	79	76	81	93	88
		22	95	92	90	84	77	82	85	82	79	82	92	88	88
		23	75	75	76	85	90	91	83	72	62	57	62	70	69
		24	—	—	—	—	—	—	—	—	—	—	—	—	—
		25	76	81	76	73	69	64	67	70	70	71	74	81	85
		26	94	97	98	95	93	98	100	93	96	98	100	95	95
		27	78	80	88	88	85	85	84	90	77	72	75	82	100
		28	96	94	100	97	96	97	96	93	87	87	85	73	87
		29	94	93	91	94	93	89	87	87	83	88	87	86	87
		30	93	93	96	98	96	94	93	92	95	95	95	96	96
		31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means			88	90	89	84	82	81	79	77	77	78	81	85	87
Tension of the Vapour.	NOVEMBER.	1	In. ·133	In. ·138	In. 155	In. ·157	In. ·227	In. ·234	In ·241	In. ·235	In. ·230	In. ·227	In. ·224	In. ·227	In. ·214
		2	·228	·218	·228	·240	·256	·260	·275	·277	·280	·281	·293	·258	·247
		3	—	—	—	—	—	—	—	—	—	—	—	—	—
		4	·210	·210	·224	·232	·239	·234	·233	·237	·238	·256	·246	·249	·245
		5	·198	·199	·218	·221	·232	·222	·234	·187	·187	·192	·190	·196	·187
		6	·168	·163	·167	·168	·155	·155	·147	·158	·173	·184	·181	·177	·170
		7	·224	·205	·211	·240	·254	·256	·269	·278	·271	·269	·261	·260	·258
		8	·158	·150	·163.	·160	·168	·177	·163	·169	·178	·179	·178	·193	·190
		9	·163	·167	·168	·167	·157	·191	·202	·210	·216	·209	·205	·190	·177
		10	—	—	—	—	—	—	—	—	—	—	—	—	—
		11	·235	·234	·237	·240	·244	·249	·247	·255	·262	·253	·251	·255	·254
		12	·255	·261	·264	·269	·275	·291	·303	·304	·309	·307	·305	·294	·296
		13	·168	·165	·148	·134	·133	·138	·131	·126	·133	·140	·129	·131	·131
		14	·131	·138	·142	·141	·142	·138	·142	·158	·172	·200	·204	·198	·153
		15	·164	·171	·168	·152	·181	·179	·185	·190	·185	·195	·207	·213	·196
		16	·163	·178	·184	·200	·222	·234	·242	·249	·252	·237	·233	·218	·209
		17	—	—	—	—	—	—	—	—	—	—	—	—	—
		18	·141	·151	·142	·142	·137	·138	·147	·153	·158	·131	·133	·121	·132
		19	·116	·121	·138	·135	·144	·145	·138	·166	·171	·191	·219	·237	·237
		20	·160	·170	·173	·178	·185	·187	·201	·213	·211	·206	·193	·185	·166
		21	·150	·161	·175	·203	·231	·230	·229	·218	·224	·223	·211	·231	·212
		22	·185	·210	·217	·219	·225	·223	·224	·214	·218	·221	·241	·230	·230
		23	·193	·187	·185	·199	·218	·219	·210	·195	·177	·163	·159	·164	·168
		24	—	—	—	—	—	—	—	—	—	—	—	—	—
		25	·081	·086	·086	·089	·089	·083	·093	·096	·101	·101	·101	·105	·103
		26	116	·131	·134	·139	·139	·146	·150	·150	·161	·165	·166	·160	·158
		27	·087	·090	·098	·089	·086	·088	·090	·101	·085	·081	·076	·080	·085
		28	·125	·112	·108	·105	·109	·117	·118	·119	·113	·111	·107	·088	·099
		29	·119	·121	·126	·139	·152	·159	·162	·162	·156	·162	·157	·155	·156
		30	·177	·180	·193	·202	·208	·211	·208	·203	·211	·207	·199	·193	·191
		31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means			·163	·166	·171	·175	·185	·189	.192	·193	·195	·196	·195	·193	·187

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
84	84	86	92	96	9.	98	93	97	95	92	88	95	95	97	91
79	84	88	92	93	92	95	95	96	—	—	—	—	—	—	89
—	—	—	—	—	—	—	—	—	92	77	89	90	89	90	
88	90	93	93	92	92	90	93	95	95	93	93	94	95	95	91
57	61	70	74	67	71	77	78	83	89	78	89	89	86	89	78
53	54	64	76	82	87	90	89	89	93	89	83	82	82	86	75
86	85	89	90	89	92	75	73	75	73	88	75	76	83	77	83
73	79	93	95	95	96	95	95	95	95	96	95	96	98	98	87
75	76	84	93	96	95	95	96	96	—	—	—	—	—	—	91
—	—	—	—	—	—	—	—	—	96	97	96	97	96	97	
97	97	97	97	97	97	97	98	97	97	97	97	96	97	96	97
96	95	95	96	97	93	90	92	85	85	93	87	89	93	84	93
64	59	63	69	74	76	80	81	89	87	88	86	87	88	86	74
82	93	93	74	78	87	91	79	86	86	89	89	95	91	71	80
68	74	84	81	87	89	90	92	93	95	94	95	95	95	93	83
79	84	92	92	95	95	93	94	95	—	—	—	—	—	—	90
—	—	—	—	—	—	—	—	—	97	99	100	100	99	76	
73	79	76	86	85	84	87	89	92	92	87	87	79	74	73	80
74	86	94	97	82	72	75	78	78	78	89	87	89	88	91	80
70	68	78	81	68	65	68	82	87	84	82	98	90	93	96	81
76	81	93	88	87	92	96	93	93	95	95	95	96	95	95	90
82	92	88	88	88	85	78	75	84	84	89	89	92	88	74	85
57	62	70	69	86	89	74	89	77	—	—	—	—	—	—	76
—	—	—	—	—	—	—	—	—	81	76	76	67	67	71	
71	74	81	85	72	78	80	69	83	83	82	82	82	85	94	77
98	100	95	95	95	84	80	71	79	69	70	75	77	77	78	88
72	75	82	100	86	85	91	83	77	77	88	91	93	100	91	85
87	85	73	87	90	84	90	91	90	93	95	96	94	94	93	92
88	87	86	87	86	87	87	87	91	89	85	91	92	91	92	89
95	95	96	96	98	97	95	96	98	—	—	—	—	—	—	94
—	—	—	—	—	—	—	—	—	92	95	89	90	90	88	
78	81	85	87	87	87	87	87	88	88	89	89	89	90	87	85
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·227	·224	·227	·214	·217	·219	·217	·211	·220	·215	·210	·209	·222	·231	·232	·210
·281	·293	·258	·247	·226	·214	·219	·219	·222	—	—	—	—	—	—	·243
—	—	—	—	—	—	—	—	—	·246	·221	·237	·238	·227	·213	
·256	·246	·249	·245	·247	·246	·241	·238	·207	·213	·211	·209	·190	·190	·184	·226
·192	·190	·196	·187	·166	·166	·172	·169	·180	·191	·160	·173	·173	·172	·172	·190
·184	·161	·177	·170	·161	·157	·155	·156	·154	·171	·191	·204	·201	·210	·227	·173
·269	·261	·260	·258	·252	·247	·220	·217	·216	·212	·239	·185	·174	·178	·157	·231
·179	·178	·193	·190	·189	·195	·195	·194	·176	·162	·158	·155	·146	·147	·158	·171
·209	·205	·190	·177	·164	·163	·162	·163	·162	—	—	—	—	—	—	·194
—	—	—	—	—	—	—	—	—	·244	·237	·234	·240	·236	·237	
·253	·251	·255	·254	·255	·249	·238	·251	·250	·245	·249	·254	·249	·252	·249	·248
·307	·305	·291	·296	·293	·287	·235	·230	·210	·199	·204	·189	·184	·191	·177	·256
·140	·129	·131	·131	·134	·135	·142	·144	·152	·151	·148	·142	·142	·143	·139	·141
·200	·204	·198	·153	·154	·153	·158	·148	·164	·166	·162	·159	·150	·144	·150	·157
·195	·207	·213	·196	·192	·171	·169	·166	·163	·170	·164	·165	·161	·155	·159	·176
·237	·233	·218	·209	·199	·206	·236	·240	·244	—	—	—	—	—	—	·215
—	—	—	—	—	—	—	—	—	·232	·218	·214	·205	·199	·152	
·131	·133	·121	·132	·129	·128	·131	·133	·132	·131	·127	·128	·116	·115	·110	·134
·191	·219	·237	·237	·192	·161	·162	·169	·172	·164	·156	·162	·162	·144	·161	·165
·206	·193	·185	·166	·151	·146	·143	·151	·143	·143	·137	·158	·140	·141	·152	·168
·223	·211	·231	·212	·199	·180	·173	·162	·166	·184	·192	·189	·187	·180	·185	·196
·221	·241	·230	·230	·236	·231	·217	·213	·229	·231	·237	·230	·231	·218	·197	·222
·163	·159	·164	·168	·194	·182	·140	·155	·129	—	—	—	—	—	—	·156
—	—	—	—	—	—	—	—	—	·101	·092	·091	·076	·073	·078	
·101	·101	·105	·103	·081	·080	·082	·071	·085	·091	·091	·092	·095	·104	·112	·092
·165	·166	·160	·158	·158	·143	·126	·111	·113	·096	·099	·107	·107	·103	·094	·132
·081	·076	·080	·085	·074	·077	·085	·077	·071	·070	·080	·085	·090	·103	·116	·086
·111	·107	·088	·099	·101	·095	·101	·104	·103	·106	·109	·111	·112	·113	·114	·108
·162	·157	·155	·156	·155	·159	·153	·152	·164	·170	·167	·172	·174	·172	·176	·156
·207	·199	·195	·191	·193	·188	·190	·186	·187	—	—	—	—	—	—	·184
—	—	—	—	—	—	—	—	—	·152	·154	·153	·146	·146	·142	
·196	·195	·193	·187	·181	·176	·172	·170	·170	·171	·170	·170	·166	·165	·163	·178

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
Humidity of the Air. DECEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	90	85	82	74	78	79	82	83	81	89	93	80
	3	90	94	95	89	86	78	70	68	77	82	82	89
	4	93	92	72	92	89	86	87	86	80	94	87	97
	5	87	89	86	86	89	87	86	83	79	82	81	86
	6	97	95	95	95	95	96	95	93	96	95	96	96
	7	98	98	99	100	82	71	70	75	78	80	77	79
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	87	88	82	79	76	73	74	72	63	61	64	70
	10	92	85	82	79	79	77	76	76	76	77	77	80
	11	81	81	81	79	83	79	77	74	74	74	78	79
	12	95	93	86	92	78	71	72	75	74	74	78	78
	13	80	79	93	96	96	95	94	93	92	93	95	96
	14	96	95	95	91	86	82	76	82	79	79	78	81
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	92	90	94	85	88	85	81	80	79	77	74	74
	17	82	80	80	80	74	81	79	75	77	79	74	79
	18	90	97	94	72	73	74	82	82	86	87	84	87
	19	90	90	94	89	89	93	89	88	87	87	85	90
	20	83	81	80	63	73	75	78	72	76	75	77	80
	21	85	84	77	84	84	85	85	96	93	93	91	93
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	86	81	84	82	85	85	81	84	84	84	83	85
	24	85	85	79	82	79	93	79	71	75	74	69	91
	25*	—	—	—	—	—	—	—	—	—	—	—	—
	26	84	85	80	80	82	83	78	79	76	74	77	87
	27	74	83	81	75	80	76	74	78	66	68	65	71
	28	86	89	85	73	78	79	73	70	72	72	76	79
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	78	75	80	80	66	66	65	64	71	71	61	63
	31	91	90	90	85	83	77	73	74	71	77	79	81
Hourly Means		88	87	86	83	82	81	79	79	78	80	79	83
		In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Tension of the Vapour. DECEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	·145	·139	·132	·123	·132	·134	·142	·147	·157	·164	·160	·132
	3	·153	·145	·160	·156	·160	·155	·148	·148	·162	·165	·165	·173
	4	·173	·174	·152	·196	·197	·193	·197	·195	·180	·194	·174	·196
	5	·167	·171	·168	·167	·169	·167	·166	·164	·160	·165	·163	·171
	6	·185	·181	·182	·186	·185	·189	·186	·180	·182	·180	·177	·185
	7	·260	·264	·274	·269	·249	·214	·213	·212	·202	·187	·164	·165
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	·102	·105	·104	·106	·113	·124	·135	·141	·131	·128	·129	·127
	10	·149	·129	·122	·114	·115	·118	·118	·121	·120	·123	·121	·120
	11	·129	·130	·130	·130	·146	·143	·140	·142	·145	·144	·144	·147
	12	·122	·119	·130	·172	·157	·149	·154	·171	·174	·176	·166	·159
	13	·176	·172	·193	·196	·194	·197	·198	·198	·199	·196	·195	·189
	14	·163	·161	·162	·163	·166	·164	·155	·173	·168	·165	·160	·162
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	·117	·113	·116	·101	·104	·100	·097	·097	·094	·093	·088	·084
	17	·079	·077	·077	·082	·085	·097	·098	·101	·104	·106	·095	·096
	18	·047	·055	·061	·064	·075	·086	·104	·108	·119	·120	·115	·116
	19	·103	·105	·112	·111	·116	·124	·117	·115	·111	·107	·100	·103
	20	·061	·064	·066	·052	·072	·080	·094	·089	·094	·087	·087	·088
	21	·125	·127	·118	·131	·131	·135	·134	·154	·159	·163	·166	·168
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	·153	·140	·142	·137	·136	·136	·130	·128	·126	·121	·118	·118
	24	·126	·132	·124	·130	·131	·162	·143	·136	·149	·153	·145	·173
	25*	—	—	—	—	—	—	—	—	—	—	—	—
	26	·222	·226	·221	·226	·226	·233	·271	·271	·224	·205	·189	·192
	27	·095	·100	·093	·089	·100	·103	·106	·111	·102	·102	·097	·099
	28	·076	·078	·076	·075	·091	·107	·110	·113	·114	·114	·114	·116
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	·156	·155	·172	·180	·166	·159	·150	·140	·150	·151	·135	·137
	31	·156	·146	·145	·151	·153	·146	·138	·151	·148	·157	·160	·158
Hourly Means		·138	·136	·137	·141	·143	·145	·146	·148	·147	·147	·141	·143

* Christmas Day.

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
89	93	80	91	81	81	83	81	84	82	85	86	92	95	96	35
82	82	89	88	89	83	85	81	88	79	95	96	97	98	95	87
94	87	97	96	96	96	97	96	94	95	91	87	86	86	86	90
82	81	86	86	90	86	93	91	93	93	93	93	93	93	94	88
95	96	96	100	98	98	96	96	98	98	96	98	97	97	98	96
80	77	79	78	82	85	86	75	68	—	—	—	—	—	—	83
—	—	—	—	—	—	—	—	—	79	83	86	89	81	83	
61	64	70	79	81	83	81	83	79	78	77	82	81	85	85	78
77	77	80	83	83	84	83	84	84	86	86	79	89	90	90	82
74	78	79	78	81	79	83	90	86	88	93	91	81	92	94	82
74	78	78	77	69	82	87	83	84	87	86	80	86	89	81	82
93	95	96	96	96	98	95	97	97	96	95	96	95	91	100	94
79	78	81	89	88	88	79	82	83	—	—	—	—	—	—	87
—	—	—	—	—	—	—	—	—	94	94	95	85	95	93	
77	74	74	80	76	78	81	82	85	83	91	88	86	88	86	83
79	74	79	81	84	95	80	80	80	82	73	69	31	81	90	78
87	84	87	74	74	74	78	79	87	92	92	89	92	81	90	84
87	85	90	87	81	83	81	80	80	82	100	89	90	92	82	87
75	77	80	81	75	83	83	83	88	88	81	90	92	83	83	80
93	91	93	93	95	89	98	100	100	—	—	—	—	—	—	91
—	—	—	—	—	—	—	—	—	95	89	94	100	99	91	
84	83	85	82	84	83	88	77	78	82	82	86	88	88	83	84
74	69	91	87	73	73	78	86	83	—	—	—	—	—	—	80
—	—	—	—	—	—	—	—	—	84	76	76	78	87	86	
74	77	87	72	66	69	72	72	70	76	74	80	82	89	75	78
68	65	71	76	74	70	81	83	84	91	91	94	90	90	88	79
72	76	79	97	91	86	83	79	87	—	—	—	—	—	—	82
—	—	—	—	—	—	—	—	—	95	82	76	80	81	87	
71	61	63	80	73	71	74	76	79	84	88	85	87	90	90	76
77	79	81	82	78	74	85	89	96	93	91	72	71	63	65	80
80	79	83	85	82	83	84	84	85	87	87	86	85	88	88	84
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
·164	·160	·132	·138	·127	·127	·136	·132	·141	·137	·128	·124	·136	·149	·152	·139
·165	·165	·173	·171	·173	·175	·167	·163	·177	·163	·153	·153	·147	·163	·167	·161
·194	·174	·196	·191	·191	·189	·189	·187	·183	·184	·176	·166	·166	·166	·167	·182
·165	·163	·171	·172	·176	·172	·182	·172	·173	·173	·173	·176	·176	·176	·177	·171
·180	·177	·185	·190	·199	·202	·206	·209	·219	·230	·226	·240	·242	·245	·253	·202
·187	·164	·165	·164	·168	·169	·171	·119	·095	—	—	—	—	—	—	·176
—	—	—	—	—	—	—	—	—	·113	·118	·112	·112	·101	·100	
·128	·129	·127	·122	·126	·120	·117	·121	·120	·127	·127	·133	·131	·133	·138	·123
·123	·121	·120	·121	·119	·118	·117	·116	·120	·126	·127	·119	·136	·139	·140	·124
·144	·144	·147	·142	·147	·146	·144	·148	·158	·144	·124	·124	·106	·116	·117	·137
·176	·166	·159	·156	·147	·170	·179	·174	·177	·183	·183	·170	·181	·187	·185	·164
·196	·195	·189	·187	·182	·184	·181	·183	·183	·179	·175	·177	·170	·157	·173	·185
·165	·160	·162	·170	·165	·161	·147	·150	·151	—	—	—	—	—	—	·150
—	—	—	—	—	—	—	—	—	·120	·117	·117	·116	·123	·120	
·093	·088	·084	·088	·082	·083	·085	·087	·089	·088	·087	·083	·081	·086	·081	·093
·106	·095	·096	·101	·101	·108	·085	·082	·082	·082	·068	·060	·022	·046	·044	·082
·120	·115	·116	·097	·094	·094	·098	·096	·099	·099	·091	·094	·101	·088	·099	·093
·107	·100	·103	·097	·085	·087	·089	·088	·062	·071	·070	·056	·054	·058	·062	·093
·087	·087	·088	·088	·081	·087	·091	·091	·094	·093	·085	·107	·113	·116	·117	·087
·163	·166	·168	·168	·156	·127	·132	·133	·154	—	—	—	—	—	—	·152
—	—	—	—	—	—	—	—	—	·187	·173	·176	·182	·174	·163	
·121	·118	·118	·114	·113	·112	·116	·096	·098	·106	·106	·118	·125	·128	·124	·123
·153	·145	·173	·157	·153	·153	·159	·165	·153	—	—	—	—	—	—	·161
—	—	—	—	—	—	—	—	—	·217	·205	·210	·213	·231	·152	
·205	·189	·192	·147	·124	·119	·120	·114	·110	·116	·107	·113	·107	·117	·102	·171
·102	·097	·099	·100	·090	·089	·090	·090	·088	·089	·080	·080	·076	·076	·076	·093
·114	·114	·116	·140	·131	·120	·121	·120	·132	—	—	—	—	—	—	·118
—	—	—	—	—	—	—	—	—	·161	·140	·136	·144	·148	·152	
·151	·135	·137	·161	·141	·132	·138	·136	·141	·152	·155	·151	·152	·155	·154	·151
·157	·160	·158	·159	·156	·154	·168	·171	·172	·150	·154	·147	·154	·147	·157	·154
·147	·141	·143	·142	·137	·136	·137	·134	·136	·140	·134	·134	·134	·137	·135	·139

TORONTO, 1844.

DIRECTION AND FORCE OF THE WIND.

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
JANUARY.	1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	2	—	0·0	E.	0·5	E.	0·5	E.	2·0	E.	1·0	E.	3·5
	3	—	0·0	—	0·0	—	0·0	E. S. E.	0.5	S. by W.	0·5	S. S. W.	0·5
	4	N. W.	0·5	N. N. W.	0·5	N. W.	2·0	N. W.	2·0	N. W.	3·0	N. W.	3·0
	5	N. N. W.	0·5	N. W.	2·0	N. W. by N.	2·0	N.W. by N.	1·0	N. W. by N.	0·5	N.W. by N.	0·2
	6	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	N.W. by W.	0·5	—	0·0	—	0·0	—	0·0	N.W. by W.	0·2	—	0·2
	9	—	0·0	S. E. by E.	0·5	S. E. by E.	2·0	E.	2·0	E. N. E.	2·0	E. N. E.	2·0
	10	W. by N.	0·5	W.	0·2	W. S. W.	0·5	W. by S.	0·5	W. by S.	1·0	W.	0·5
	11	—	0·0	—	0·0	—	0·0	N. by W.	0·2	N. by W.	0·2	—	0·0
	12	—	0·0	—	0·0	S.	0·2	S.	0·2	S.	0·2	S.	0·2
	13	W. by N.	2·5	W. by N.	5·5	W. by N.	3·0	N. N. W.	7·0	N. N .W.	6·0	N. by W.	3·0
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	—	0·0	—	0·0	E.	2·0	E.	2·5	E. N. E.	2·5	E. N. E.	3·0
	16	E.	0·2	E.	0·2	—	0·0	—	0·0	E. S. E.	0·2	—	0·0
	17	—	0·0	—	0·0	N. W. by W.	0·2	—	0·0	—	0·0	—	0·0
	18	W. N. W.	1·0	W. N. W.	1·0	W. N. W.	1·0	N.W. by W.	0·5	N. W.	2·5	N. by W.	2·5
	19	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N.	0·5	N.	0·2
	20	N.	0·2	N.	0·2	N.	0·2	N.	0·2	N.	0·2	N. by E.	0·2
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	23	—	0·0	—	0·0	—	0·0	S. by E.	0·2	S. by E.	0·2	—	0·0
	24	W. S. W.	2·5	W. S. W.	2·5	W. S. W.	0·5	W. S. W.	0·5	N. W. by W.	0·5	W.	2·5
	25	N.	0·2	N.	0·5	N.	2·5	N. by E.	2·0	N. E.	2·0	N. by E.	2·0
	26	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N. by W.	0·2	N. by E.	0·2
	27	—	0·0	—	0·0	—	0·0	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	N. E. by N.	0·5	—	0·0	N. E. by N.	0·2	N. E. by N.	0·2	N. E. by N.	0·2	—	0·0
	30	N. E. by N.	0·2	N. E. by N.	0·2	N. E. by N.	0·2	N. E. by N.	0·2	N. E. by N.	0·2	—	0·0
	31	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N.	0·2

		12h.		13h.		14h.		15h.		16h.		17h.	
JANUARY.	1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	2	E.	1·0	E.	1·0	E.	0·5	E.	0·2	E.	0·2	—	0·0
	3	W. S. W.	0·5	S.W. by W.	0·5	S. W. by W.	0·5	S. W. by W.	0·5	S. W. by W.	0·5	S. W. by W.	1·0
	4	N. W. by N.	2·0	N. W.	1·0	N. W.	1·0	N. N. W.	1·0	N. N. W.	1·0	N. N. W.	1·0
	5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	6	S. W. by W.	0·2	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	1·0	S. S. W.	1·0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	—	0·0	N.W. by W.	0·2	N.W. by W.	0·2	—	0·0	N.W. by W.	0·2	N. W. by W.	0·2
	9	S. E.	0·5	S. E.	1·0	S. E.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. W.	0·5
	10	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2
	11	E. S. E.	0·2	E. S. E.	0·2	S. E.	0·2	S. E.	0·5	S. E. by E.	0·5	E. S. E.	0·5
	12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. E.	0·2
	13	N. N. W.	0·5	N. N. W.	0·2	N. N. W.	0·5	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	E. by S.	3·0	E.	2·0	E.	0·5	E. by S.	1·0	E. by S.	1·0	E. S. E.	0·5
	16	S. S. E.	0·2	S. S. E.	0·2	—	0·0	—	0·0	S. W.	0·5	S. W. by W.	2·0
	17	N. by N.	1·0	W. by N.	1·0	W. by N.	1·0	W. by S.	1·0	W. by S.	0·5	W. by S.	0·5
	18	N. W.	1·0	N. W.	0·5	N. W.	2·5	N. W.	2·5	N.W. by N.	1·0	N. N. W.	1·0
	19	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	20	S. E. by E.	0·2	S. E. by E.	0·2	S. E. by E.	0·5	E. by N.	0·5	E. N. E.	0·5	E. N. E.	0·5
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	S. E. by E.	0·5	E. by S.	2·0	E. by S.	3·5	E. by S.	2·5	E. by S.	2·0	E. S. E.	2·5
	23	S. W. by S.	0·2	S. W. by S.	0·2	W. S. W.	0·2	W. S. W.	0·5	W. S. W.	3·0	S. W. by W.	3·0
	24	N. W.	2·0	N. W.	1·0	N. W.	2·5	N. W.	1·0	N. N. W.	1·0	N. N. W.	2·5
	25	N. by W.	1·0	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	1·0	N. N. W.	1·0	N. N. W.	2·5
	26	N. N. W.	2·0	N. N. W.	2·0	N. N. W.	1·0	N. N. W.	0·5	N. N. W.	1·0	N. N. W.	0·2
	27	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	—	0·0	—	0·0	N. E. by N.	0·2	—	0·0	—	0·0	—	0·0
	30	N. by E.	0·5	N. N. W.	0·5	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	—	0·0
	31	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. by W.	0·2

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1	JANUARY.
E. by N.	3·0	N. E. by E.	4·0	E. by N.	4·0	E.	4·0	E.	2·5	E.	2·0	2	
S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·2	S. S. W.	0·2	3	
N. W.	3·5	N. W. by N.	5·0	N. W. by N.	5·0	N. W. by N.	3·0	N. W. by N.	2·0	N. W. by N.	2·0	4	
N. W. by N.	0·2	N. W. by N.	0·5	N. W. by N.	0·5	N. W. by N.	0·5	N. W. by N.	0·2	—	0·0	5	
—	0·0	N. W. by W.	0·2	S. W.	0·5	S. W.	0·5	S. W. by W.	0·0	—	0·0	6	
—	—	—	—	—	—	—	—	—	—	—	—	7	
—	0·2	N. W. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	8	
E. N. E.	1·0	E. S. E.	1·0	E. S. E.	1·0	E. S. E.	1·0	S. E.	1·0	S. E. by E.	0·5	9	
W.	0·2	W.	0·2	W.	0·2	W. by N.	0·2	N. N. W.	0·5	N. N. W.	0·5	10	
—	0·0	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·5	E. by S.	0·5	11	
S.	0·2	S.	0·2	S.	0·2	S.	0·2	S.	0·2	—	0·0	12	
N. by W.	5·0	N.	5·0	N. by W.	3·0	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	13	
—	—	—	—	—	—	—	—	—	—	—	—	14	
E. N. E.	5·0	E.	4·5	E.	3·5	E.	2·5	E.	2·5	E.	3·0	15	
—	0·0	S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2	—	0·0	S. S. E.	0·2	16	
—	0·0	N. W. by W.	0·2	N. W. by W.	0·5	N. W. by W.	0·5	W. N. W.	0·5	W. N. W.	0·5	17	
N. W.	3·5	W. N. W.	4·0	W. N. W.	3·0	W. N. W.	2·0	N. W. by W.	2·5	N. W.	1·0	18	
N.	0·2	N.	0·2	N.	0·2	—	0·0	—	0·0	—	0·0	19	
N. by E.	0·2	S. E. by E.	0·2	S. E. by E.	0·5	S. E. by E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	20	
—	—	—	—	—	—	—	—	—	—	—	—	21	
—	0·0	—	0·0	N. E.	0·2	N. E.	0·2	S. E.	0·2	S. E.	0·5	22	
S. by W.	2·5	S. by E.	3·0	W. S. W.	2·0	W. S. W.	3·0	S. W. by S.	0·2	S. W. by S.	0·2	23	
N. W. by W.	2·5	W. by N.	3·0	N. W.	2·5	N. W. by N.	1·0	N. W. by N.	2·0	N. W.	1·0	24	
N.	2·0	N. by W.	2·0	N. by W.	1·0	N. by W.	0·5	N. by W.	1·0	N. by W	2·0	25	
N. by W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	1·0	26	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	27	
—	—	—	—	—	—	—	—	—	—	—	—	28	
—	0·0	N. E. by N.	0·2	N. E. by N.	0·2	—	0·0	—	0·0	—	0·0	29	
—	0·0	—	0·0	—	0·0	N. E. by N.	0·2	N. E. by N.	0·2	N. E. by N.	0·2	30	
N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	31	

18h.		19h.		20h.		21h.		22h.		23h.			
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1	JANUARY.
E.	0·2	E.	0·2	E.	0·5	—	0·0	—	0·0	—	0·0	2	
S. W. by W.	0·5	S. W. by W.	0·5	W. S. W.	0·5	W. S. W.	0·5	W. N. W.	0·5	W. N. W.	0·5	3	
N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	4	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	5	
—	—	—	—	—	—	—	—	—	—	—	—	6	
W.	0·5	W.	0·2	—	0·0	N. W. by W.	1·0	N. W. by W.	0·5	N. W. by W.	1·0	7	
N. W. by W.	0·2	N. W. by W.	0·2	—	0·0	—	0·0	N. W. by W.	0·2	—	0·0	8	
S. W.	0·2	S. W.	0·5	S. W.	0·5	W. by S.	0·5	W.	1·0	W.	1·0	9	
N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·2	—	0·0	10	
E. by S.	0·5	E. by S.	0·2	E. by S.	0·5	E. by S.	0·5	E. S. E.	0·5	—	0·0	11	
E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	S. S. W.	0·2	W. S. W.	1·0	W. by N.	6·5	12	
—	—	—	—	—	—	—	—	—	—	—	—	13	
E.	0·2	E.	0·2	—	0·0	E.	0·2	E.	0·2	—	0·0	14	
E. S. E.	0·5	E. S. E.	0·5	E. S. E.	0·5	E. by S.	0·5	E.	0·5	E.	0·5	15	
S. W. by W.	0·2	S. W.	0·2	S. W.	0·2	—	0·0	—	0·0	—	0·0	16	
W. by N.	2·5	W. by N.	2·0	W. N. W.	2·0	W. N. W.	2·0	W. N. W.	2·0	W. N. W.	1·0	17	
N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	18	
—	0·0	N.	0·5	N.	0·5	N.	0·5	N.	0·2	N.	0·2	19	
—	—	—	—	—	—	—	—	—	—	—	—	20	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
E. S. E.	2·5	E. S. E.	2·5	E. by S.	2·0	E. by S.	0·5	E. by S	0·5	—	0·0	22	
S. W. by W.	2·0	W. S. W.	3·0	S. W. by S.	2·5	S. W. by S.	0·5	S. W. by S.	0·2	S. W. by S.	0·5	23	
N. N. W.	2·0	N. N. W.	2·0	N. N. W.	1·0	N. N. W.	1·0	N. N. W.	1·0	N.	0·2	24	
N. N. W.	2·5	N. N. W.	3·0	N. N. W.	3·5	N. N. W.	2·5	N.	2·0	N. by E.	0·2	25	
N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·2	N. N. W.	0·2	—	0·0	26	
—	—	—	—	—	—	—	—	—	—	—	—	27	
—	—	—	0·0	—	0·0	—	0·0	—	0·0	N. E. by N.	0·2	28	
—	0·0	—	0·0	—	0·0	—	0·0	N. E. by N	0·2	N. E. by N.	0·2	29	
N. N. W.	0·5	N. N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	30	
N. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	31	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
FEBRUARY.	1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E. by N.	0·2
	2	N. E. by N.	0·2	—	0·0	—	0·0	N.	0·2	N.	0·2	N.	0·2
	3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	S. S. E.	0·2	S. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	6	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	8	—	0·0	—	0·0	S. W. by W.	0·5	S. W. by W.	0·5	S. W. by W.	0·5	S. W. by W.	2·0
	9	N.	3·0	N.	4·0	N.	2·0	N.	4·0	N.	0·5	N.	0·1
	10	—	0·0	—	0·0	W. by S.	0·5	W. by S.	0·5	W. by S.	0·5	W. by S.	0·5
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	13	S.	0·2	S.	0·2	S.	0·2	S.	0·2	S. by W.	0·2	S. by W.	0·2
	14	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2
	15	—	0·0	—	0·0	—	0·0	E. S. E.	0·5	E. S. E.	0·5	S. E. by E.	0·5
	16	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. W.	0·5
	17	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·5	N. W.	0·5	N. W.	0·5
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	—	0·0	—	0·0	—	0·0	S. W.	0·5	S. W. by S.	0·5	S. by W.	0·5
	20	S. W. by S.	0·2	S. W. by S.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5
	21	—	0·0	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·5	N. by W.	0·5	N. by W.	0·2
	22	—	0·0	—	0·0	—	0·0	W.	0·5	W. by N.	0·5	W.	0·3
	23	E. by S.	0·5	E. by S.	0·5	E. S. E.	0·5	E. by S.	3·0	E. by S.	2·5	E. S. E.	4·5
	24	N. E.	0·2	N. E.	0·2	N. E.	0·5	N. E.	0·2	—	0·0	—	0·0
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. E.	0·2
	27	N. N. W.	6·0	N. N. W.	3·0	N. N. W.	4·0	N. N. W.	3·0	N. N. W.	5·0	N. N. W.	4·5
	28	—	0·0	—	0·0	—	0·0	—	0·0	W. by S.	0·2	—	0·0
	29	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0

Mean Göttingen Time.		12h.		13h.		14h.		15h.		16h.		17h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
FEBRUARY.	1	E. by S.	0·5	E.	0·5	E.	0·5	E. N. E.	0·5	E. N. E.	0·2	E. N. E.	0·5
	2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. by W.	0·2
	3	—	0·0	—	0·0	—	0·0	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	S. S. E.	0·2	S. S. E.	0·2	—	0·0	S. S. E.	0·2	S. E.	0·2	—	0·0
	6	S. S. W.	0·2	S. S. W.	0·5	S. S. W.	0·2	—	0·0	—	0·0	—	0·0
	7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	8	W.	0·5	W.	0·5	W.	0·2	—	0·0	W.	0·2	—	0·0
	9	N. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	10	W.	0·5	W.	0·2	W.	0·2	W.	0·5	W.	1·0	W.	1·0
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	S.	0·5	S. S. W.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	S. S. W.	0·5	S. S. W.	0·5
	13	W. S. W.	0·5	W. S. W.	2·0	W.	2·0	W. by N.	3·0	W. by N.	3·0	W. N. W.	4·0
	14	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	15	S. E. by E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	16	S. by W.	0·2	W.	0·5	N. W.	0·5	N. W.	0·5	—	0·0	—	0·0
	17	N. by W.	2·0	N. by W.	1·0	N. by W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	S. S. W.	0·5	S. S. W.	0·5	S. W. by S.	0·2	—	0·0	—	0·0	—	0·0
	20	—	0·0	S. W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0
	21	—	0·0	—	0·0	W. by S.	0·2	W. by S.	0·2	W. by S.	0·2	—	0·0
	22	W.	0·2	W.	0·2	W. by N.	0·2	W. by N.	0·2	N. W.	0·2	—	0·0
	23	E.	0·2	E. by N.	0·2	E. by N.	0·2	E. by N.	0·2	E. by N.	0·2	—	0·0
	24	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	27	N. W. by N.	2·5	N. W. by N.	2·0	N. W. by N.	0·5	N. W. by N.	0·5	N. W. by N.	0·5	N. W. by N.	0·5
	28	—	0·0	—	0·0	—	0·0	—	0·0	E. S. E.	0·2	E. S. E.	0·1
	29	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0

DIRECTION AND FORCE OF THE WIND.

6h. Wind. Direction.	6h. Force. lbs.	7h. Wind. Direction.	7h. Force. lbs.	8h. Wind. Direction.	8h. Force. lbs.	9h. Wind. Direction.	9h. Force. lbs.	10h. Wind. Direction.	10h. Force. lbs.	11h. Wind. Direction.	11h. Force. lbs.	Mean Göttingen Time.	
E. by N.	0·2	E. by N.	0·5	E. by N.	0·5	E. N. E.	0·2	E. N. E.	0·2	E. by S.	0·5	1	FEBRUARY.
N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·5	2	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	3	
—	—	—	—	—	—	—	—	—	—	—	—	4	
—	0·0	—	0·0	—	0·0	—	0·0	S. by E.	0·2	—	0·0	5	
—	0·0	—	0·0	—	0·0	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
W. S. W.	2·5	W. N. W.	1·0	W. N. W.	1·0	W. by N.	1·0	W.	0·5	W.	0·5	8	
N.	0·5	N.	1·0	N. by W.	0·5	N.	0·5	N. by W.	0·5	N. by W.	0·2	9	
W. by S.	0·5	W. by S.	0·5	W. by S.	0·2	W. by S.	0·5	W.	0·5	W.	0·5	10	
—	—	—	—	—	—	—	—	—	—	—	—	11	
—	0·0	—	0·0	—	0·0	S.	0·2	S. by W.	0·5	S.	0·5	12	
S. by W.	0·2	S. by W.	0·2	W. by N.	0·2	W.	2·5	S. S. W.	0·2	W. S. W.	2·0	13	
N. N. W.	0·2	N. W. by N.	0·2	N. W. by N.	0·2	N. W.	0·2	—	0·0	E. S. E.	0·2	14	
S. E. by E.	1·0	S. E. by E.	1·0	S. E. by E.	1·0	S. E. by E.	0·5	S. E. by E.	0·2	S. E. by E.	0·2	15	
S. W.	0·5	S. S. W.	0·5	S. by W.	0·5	S.	0·2	S.	0·2	S. by W.	0·2	16	
N. W. by N.	1·0	N. W. by N.	0·5	N. by W.	0·5	N.	1·0	N. by W.	3·0	N. by W.	3 0	17	
—	—	—	—	—	—	—	—	—	—	—	—	18	
S. S. W.	0·5	S. S. W.	0·2	S.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·5	19	
S. W. by S.	1·0	S. W.	2·0	S. W.	2·0	S. W.	1·0	S. W.	1·0	—	0·0.	20	
N. by W.	0·2	N. by W.	0·2	—	0·0	W. S. W.	0·2	W. S. W.	0·2	—	0·0	21	
W.	0·5	W. N. W.	0·2	W. S. W.	0·2	W.	0·2	W.	0·2	W.	0·2	22	
E. S. E.	4·0	E. S. E.	5·0	E. S. E.	2·0	E. S. E.	1·0	E. S. E.	0·5	E.	0·2	23	
—	0·0	S. E.	0·2	S. E.	0·2	S. E.	0·2	—	0·0	—	0·0	24	
—	—	—	—	—	—	—	—	—	—	—	—	25	
—	0·0	S. E.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	26	
N. N. W.	4·5	N. N. W.	4·5	N. by W.	4·0	N. N. W.	4·0	N. N. W.	2·5	N. W. by N.	2·0	27	
—	0·0	S. by E.	0·2	E. S. E.	0·2	E. S. E.	0·2	—	0·0	—	0·0	28	
W.	0·2	—	0·0	S.	0·2	S. by E.	0·2	S. by E.	0·2	—	0·0	29	

18h. Wind. Direction.	18h. Force. lbs.	19h. Wind. Direction.	19h. Force. lbs.	20h. Wind. Direction.	20h. Force. lbs.	21h. Wind. Direction.	21h. Force. lbs.	22h. Wind. Direction.	22h. Force. lbs.	23h. Wind. Direction.	23h. Force. lbs.		
—	0·0	N. E. by N.	0·5	N. E. by N.	0·5	N. E. by N.	0·5	N. E. by N.	0·2	N. E. by N.	0·2	1	FEBRUARY.
N. by W.	0·2	N. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	2	
—	—	—	—	—	—	—	—	—	—	—	—	3	
S. S. E.	2·0	S. S. E.	1·0	S. S. E.	1·0	S. S. E.	1·0	S. S. E.	0·5	S. S. E.	0·2	4	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	5	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
N. W.	0·2	N. N. W.	2·5	N. N. W.	2·0	N. N. W.	2·5	N. N. W.	2·5	N.	4·5	8	
—	0·0	—	0·0	—	0·0	W. N. W.	0·2	—	0·0	—	0·0	9	
—	—	—	—	—	—	—	—	—	—	—	—	10	
S. by E.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	—	0·0	11	
S. by W.	0·5	S. by W.	0·5	S. by W.	0·5	S.	0·5	S.	0·2	S.	0·2	12	
W. N. W.	2·0	W. N. W.	3·5	N. W. by W.	2·0	N. W.	2·0	N. W.	2·0	N. N. W.	0·5	13	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	14	
—	0·0	—	0·0	S. W. by W.	0·5	S. W. by W.	0·2	—	0·0	—	0·0	15	
—	0·0	—	0·0	—	0·0	—	0·0	N. W.	1·0	—	0·0	16	
—	—	—	—	—	—	—	—	—	—	—	—	17	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	18	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
N. W. by N.	0·5	N. W. by N.	0·2	N. W. by N.	0·2	N. N. W.	0·2	N. N. W.	0·5	N. N. W.	0·5	20	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	22	
E.	0·5	E.	0·5	N. E.	0·5	N. E.	0·5	N. E.	0·5	N. E.	0·5	23	
—	—	—	—	—	—	—	—	—	—	—	—	24	
—	0·0	S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	25	
—	0·0	—	0·0	E. N. E.	0·5	N. by W.	0·5	N. by W.	2·5	N. N. W.	3·0	26	
N. W. by N.	0·5	N. W. by N.	0·2	N. W. by N.	0·2	—	0·0	—	0·0	—	0·0	27	
E. S. E.	0·5	E.	0·5	E.	0·2	E.	0·2	—	0.0	E.	0·5	28	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	29	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
MARCH.	1	—	0·0	—	0·0	—	0·0	—	0·0	E. by S.	0·2	E.	0·2
	2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	N. by W.	2·5	N. N. W.	2·0	N. N. W.	2·5	N. N. W.	2·5	N. N. W.	4·0	N. N. W.	3·0
	5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	6	—	0·0	—	0·0	—	0·0	—	0·0	E. S. E.	0·2	E. S. E.	0·2
	7	—	0·0	—	0·0	—	0·0	E. S. E.	0·0	E. S. E.	0·0	E. S. E.	0·0
	8	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	9	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	13	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N.	0·1
	14	E.	0·5	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·2	E.	0·2
	15	E.	5·0	E.	3·0	E.	3·0	E.	3·0	E.	5·0	E.	3·0
	16	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. E.	0·2
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	W.	0·5	W.	0·5	W.	0·5	W.	1·0	W.	1·0	N. W.	2·5
	19	—	0·0	—	0·0	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·2
	20	S. S. E.	0·2	—	0·0	S. E. by S.	1·0	E. by N.	1·0	E. by N.	1·5	E. by N.	1·5
	21	N. by W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	22	S. S. E.	0·2	S. E.	0·2	S. E.	0·2	E.	0·5	E.	1·0	E.	1·0
	23	N. N. W.	1·0	N. N. W.	1·0	N. N. W.	0·5	N. N. W.	0·5	N. by W.	1·0	N. by W.	1·0
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	—	0·0	—	0·0	W. S. W.	0·5	W. by N.	0·5	N. by W.	1·0	N. by W.	0·5
	26	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	27	N. N. E.	2·0	E. N. E.	3·0	E. N. E.	2·5	N. E. by E.	4·0	E. by S.	3·0	E. by S.	2·5
	28	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	29	N.	2·5	N.	3·0	N. N. E.	3·0	N. E. by N.	2·5	N. E. by N.	0·5	N. E.	0·2
	30	N. E.	1·0	N. E.	1·0	N. E.	1·0	N. E. by N.	1·0	N. N. E.	1·0	N. N. E.	1·0
	31	—	—	—	—	—	—	—	—	—	—	—	—

		12h.		13h.		14h.		15h.		16h.		17h.	
MARCH.	1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. by W.	0·2
	2	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	—	0·0	—	0·0
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	N. N. W.	0·5	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	—	0·0
	5	S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	6	E. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	7	—	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	8	—	0·0	S. S. W.	0·2	W. S. W.	0·2	W. by S.	0·2	W.	0·2	W. by N.	0·5
	9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	N. E.	0·2	E. N. E.	0·2	E.	0·2	E.	0·2	E.	0·2	E.	0·2
	12	E. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	13	N.	0·5	N.	0·5	N.	0·2	N. N. W.	0·2	—	0·0	—	0·0
	14	S. E.	0·2	S. E.	0·2	—	0·0	—	0·0	—	0·0	E. by S.	0·5
	15	E.	0·2	E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	16	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	W. by N.	1·0	W. by N.	1·0	W. by N.	2·0	N. W. by W.	1·0	N. W.	1·5	N. W.	1·0
	19	S. S. W.	2·5	S. S. W.	1·0	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5
	20	N.	2·0	N.	1·0	N.	1·0	N.	2·0	N.	2·5	N.	2·0
	21	—	0·0	S. E. by S.	0·5	S. E. by S.	0·2	S. S. E.	0·5	S. S. E.	0·2	—	0·0
	22	—	0·0	—	0·0	W.	0·2	W.	0·2	W. by N.	0·5	W. N. W.	0·5
	23	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	—	0·0	—	0·0	—	0·0
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	26	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	27	E. by N.	1·0	E. N. E.	1·0	E. by N.	1·0	E. by N.	1·0	E. by N.	1·0	E. by N.	1·0
	28	N. E. by E.	0·2	N. by W.	0·5	N. N. W.	2·0	N. N. W.	2·0	N. N. W.	1·0	N. N. W.	1·0
	29	E. S. E.	0·2	E.	1·5	N. N. E.	1·0	N. E.	0·5	N. E.	0·5	N. E.	3·0
	30	N. N. E.	1·0	N. N. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	31	—	—	—	—	—	—	—	—	—	—	—	—

DIRECTION AND FORCE OF THE WIND.

6h. Wind. Direction.	6h. Wind. Force.	7h. Wind. Direction.	7h. Wind. Force.	8h. Wind. Direction.	8h. Wind. Force.	9h. Wind. Direction.	9h. Wind. Force.	10h. Wind. Direction.	10h. Wind. Force.	11h. Wind. Direction.	11h. Wind. Force.	Mean Göttingen Time.	
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
E.	0·2	E.	0·2	E.	0·2	E. by S.	0·2	—	0·0	—	0·0	1	MARCH.
—	0·0	—	0·0	—	0·0	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	2	
—	—	—	—	—	—	—	—	—	—	—	—	3	
N. N. W.	2·5	N. N. W.	1·0	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	4	
S. W.	0·2	S. W.	0·2	S. S. W.	0·2	S.	0·5	S.	0·5	S.	0·2	5	
E. S. E.	0·2	E. S. E.	0·2	S. E. by E.	0·2	E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	6	
E. S. E.	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·2	7	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	8	
N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	9	
—	—	—	—	—	—	—	—	—	—	—	—	10	
—	0·0	S. E. by S.	0·2	S. E.	0·2	S. E.	0·5	S. E.	0·5	N. E.	0·2	11	
—	0·0	S. E.	0·2	S. E.	0·2	S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	12	
N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. by W.	0·5	N.	1·0	N.	1·0	13	
E. S. E.	0·2	E. S. E.	0·5	E. S. E.	0·5	S. E. by E.	0·5	S. E. by E.	0·2	S. E. by E.	0·2	14	
E.	5·0	E.	3·0	E.	2·0	E.	2·0	E.	1·5	E.	1·0	15	
N. E.	0·2	N. E.	0·2	N. N. E.	0·2	N. W.	0·2	N. N. W.	0·5	N. N. W.	0·5	16	
—	—	—	—	—	—	—	—	—	—	—	—	17	
N. W.	1·0	W. by N.	2·0	W. by N.	2·5	W. by N.	3·0	W. by N.	3·0	W. by N.	3·0	18	
W. S. W.	0·2	S. W.	0·5	S. W.	0·5	S. W.	1·0	S. S. W.	2·0	S. S. W.	2·0	19	
E. by N.	2·5	E. by N.	2·5	E. by N.	2·0	N.	2·0	N.	2·5	N.	2·5	20	
N. N. W.	0·2	S. S. W.	0·2	S. S. E.	0·2	S. S. E.	0·2	—	0·0	—	0·0	21	
E.	0·5	E. by S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	22	
N.	1·0	N.	0·5	N.	0·2	N. by W.	0·5	N. by W	0·5	N. by W.	0·5	23	
—	—	—	—	—	—	—	—	—	—	—	—	24	
N. N. W.	0·0	N. W. by N.	0·2	N. W. by N.	0·2	W. by S.	0·2	S.	0·2	S.	0·2	25	
—	0·0	—	0·0	—	0·0	N. by E.	0·2	—	0·0	—	0·0	26	
E. by S.	3·0	E. by S.	2·0	E. by S.	1·0	E. by S.	1·0	E. N. E.	1·0	E. by N.	1·0	27	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28	
N. E.	0·2	N. E.	0·2	E. S. E.	0·5	E. S. E.	0·5	E. S. E.	0·2	E. S. E.	0·2	29	
N. by E.	3·0	N.	3·0	N.	3·0	N.	2·0	N. by E.	2·0	N. N. E.	2·0	30	
—	—	—	—	—	—	—	—	—	—	—	—	31	

18h. Wind. Direction.	18h. Wind. Force.	19h. Wind. Direction.	19h. Wind. Force.	20h. Wind. Direction.	20h. Wind. Force.	21h. Wind. Direction.	21h. Wind. Force.	22h. Wind. Direction.	22h. Wind. Force.	23h. Wind. Direction.	23h. Wind. Force.	Mean Göttingen Time.	
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
S. by W.	0·2	—	0·0	S. W.	0·2	S. W.	0·5	S. W.	0·2	—	0·0	1	MARCH.
—	—	—	—	—	—	—	—	—	—	—	—	2	
N. N. E.	1·0	N. by E.	1·0	N.	2·0	N. by W.	2·0	N. by W.	2·0	N. by W.	1·0	3	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	4	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	5	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
N. W. by W.	0·5	N. W.	1·0	N. W.	0·5	N. W.	0·5	N. W.	1·0	N. N. W.	1·0	8	
—	—	—	—	—	—	—	—	—	—	—	—	9	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	12	
—	0·0	—	0·0	—	0·0	—	0·0	N. by E.	0·5	N. by E.	0·5	13	
E. by S.	1·0	E. by S.	1·0	E. by S.	2·0	E. by S.	2·0	E. by S.	3·0	E.	3·0	14	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	15	
—	—	—	—	—	—	—	—	—	—	—	—	16	
W. S. W.	5·0	W. S. W.	2·0	W.	2·0	W.	1·0	W.	2·5	W.	2·5	17	
N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·5	—	0·0	18	
S. S. W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
N.	2·0	N.	0·5	—	0·0	—	0·0	—	0·0	N.	0·2	20	
—	0·0	S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2	21	
N. W.	0·2	N. W.	2·0	N. W.	1·0	N. W.	0·5	N. W. by N.	1·0	N. N. W.	1·0	22	
—	—	—	—	—	—	—	—	—	—	—	—	23	
—	0·0	—	0·0	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	—	0·0	24	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	25	
—	0·0	—	0·0	—	0·0	—	0·0	E. N. E.	3·0	N. E. by N.	3·5	26	
E. by N.	1·0	E. by N.	1·0	E. by N.	1·0	E. by N.	1·0	E. N. E.	0·5	—	0·0	27	
N. by W.	1·0	N. by W.	1·5	N. N. W.	0·5	N. N. W.	1·0	N. N. W.	1·5	N.	2·0	28	
N. E.	2·5	N. E.	2·5	N. E.	2·0	N. E.	1·5	N. E.	2·5	N. E.	2·5	29	
—	—	—	—	—	—	—	—	—	—	—	—	30	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	31	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
APRIL.	1	—	0·0	—	0·0	—	0·0	S. E.	0·0	S. E.	0·2	S. E.	0·2
	2	—	0·0	—	0·0	E.	0·2	E. by S.	0·5	E. S. E.	0·5	E. S. E.	0·5
	3	—	0·0	—	0·0	S. W. by W.	0·2	S. W. by W.	0·2	S. W.	0·2	S. W.	0·2
	4	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	E. by S.	0·5	E.	0·5	E.	0·5	E. by S.	1·0	E.	1·0	E.	0·5
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. E.	0·2
	9	N.	0·2	N.	0·2	N. by E.	0·2	N. by E.	0·5	N. by E.	0·5	N. N. E.	0·5
	10	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	11	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E.	0·2
	13	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	16	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. W.	0·2
	17	N. N. W.	1·0	N. by E.	1·5	N. by E.	1·0	N. by E.	1·5	N. by E.	1·0	N. N. W.	0·5
	18	N.	0·2	N.	0·2	—	0·0	E. N. E.	0·5	E. by S.	0·5	E. by S.	0·5
	19	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	20	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	0·0	—	0·0	—	0·0	—	0·0	E.	0·2	E. by S.	0·2
	23	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E.	0·2
	24	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	25	N. N. W.	0·2	—	0·0	—	0·0	—	0·0	S. W.	0·2	S. S. W.	0·2
	26	—	0·0	—	0·0	—	0·0	—	0·0	N. E.	0·5	N. E.	0·5
	27	—	0·0	—	0·0	E. N. E.	0·5	E. N. E.	0·5	E.	0·5	E. by S.	0·5
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. S. E.	0·2
	30	—	0·0	—	0·0	—	0·0	—	0·0	S. by E.	0·2	S. E.	0·2

		12h.		13h.		14h.		15h.		16h.		17h.	
APRIL.	1	E. by S.	0·2	E.	0·2	E.	0·2	E.	0·2	E.	0·2	—	0·0
	2	E.	0·5	E.	0·5	E. by S.	0·5	—	0·0	—	0·0	—	0·0
	3	N. N. W.	0·2	W. N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	4	N.	1·0	N.	1·0	N.	0·5	—	0·0	—	0·0	N.	0·5
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	E. by N.	1·0	E. by N.	1·0	E.	1·0	E.	1·0	E.	1·0	E. by N.	1·0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	N. by E.	0·5	N. by E.	0·5	N. by E.	1·0	N. by E.	0·2	N. by E.	0·2	—	0·0
	9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	10	S.	0·2	S.	0·2	S.	0·2	—	0·0	—	0·0	—	0·0
	11	S. S. E.	0·2	E. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	13	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	N. E.	0·2	N. E.	0·2	—	0·0	N. E.	0·2	N. E.	0·2	N. E.	0·2
	16	W. N. W.	0·2	W. N. W.	0·2	—	0·0	—	0·0	—	0·0	N. N. W.	1·5
	17	N. by E.	1·0	N. N. E.	0·5	N. N. E.	0·5	N. N. E.	0·5	N. N. E.	0·5	N. N. E.	0·5
	18	E. S. E.	0·2	E. S. E.	0·2	—	0·0	—	0·0	F. S. E.	0·2	E. S. E.	0·2
	19	E. S. E.	0·2	E. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	20	E. S. E.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	0·0	E. by N.	0·2	E.	1·0	E.	2·0	E. by S.	3·0	E. by S.	1·0
	23	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	24	N.	1·0	N.	2·0	N. W.	2·0	N. W.	2·0	N. N. W.	1·0	N. N. W.	1·0
	25	S.	0·2	—	0·0	S.	0.2	S.	0·2	—	0·0	—	0·0
	26	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	—	0·0	—	0·0
	27	E. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	30	E. by S.	0·2	E. by S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
S.E.	0·2	S. E.	0·5	S. E.	0·5	S. E.	0·2	S. E.	0·2	E. by S.	0·2	1	APRIL.
E.S.E.	0·5	E. by S.	0·5	E.S.E.	0·5	E. S. E.	0·5	E. by S.	0·5	E. by S.	0·5	2	
S.W. by S.	0·2	S. W. by S.	0·5	S. W. by S.	0·2	S. W. by S.	0·2	S. S. W.	0·2	W. N. W.	0·2	3	
S.W.	0·2	S. W.	0·2	S. W.	0·2	N. W.	0·5	N.	1·0	N.	1·0	4	
—	—	—	—	—	—	—	—	—	—	—	—	5	
E by N.	0·5	E.	0·5	E.	0·5	E.	0·5	E.	0·5	E. by N.	1·0	6	
—	—	—	—	—	—	—	—	—	—	—	—	7	
S.	0·2	—	0·0	—	0·0	S.	0·2	S.	0·2	S.	0·2	8	
—	0·0	S. S. E.	0·2	S. S. E.	0·2	S. E. by S.	0·2	—	0·0	—	0·0	9	
—	0·0	—	0·0	S.	0·2	S.	0·2	S.	0·2	S.	0·2	10	
—	0·0	—	0·0	—	0·0	—	0·0	S. S. E.	0·2	S. S. E.	0·2	11	
E.	0·2	E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	12	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	13	
—	—	—	—	—	—	—	—	—	—	—	—	14	
N. E.	0·2	N. E.	0·2	N. E.	0·2	—	0·0	—	0·0	N. E.	0·2	15	
N. W.	0·2	W. N. W.	0·2	W.	0·2	W. N. W.	0·5	W. N. W.	0·2	W. N. W.	0·2	16	
N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. by W.	0·5	N. N. E.	0·5	N.	1·5	17	
E.S.E.	0·5	E. S. E.	0·5	E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	18	
—	0·0	—	0·0	E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	19	
E.S.E.	0·2	E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·5	E. S. E.	0·5	E. S. E.	0·5	20	
—	—	—	—	—	—	—	—	—	—	—	—	21	
S. by E.	0·2	E.	0·2	E.	0·2	E.	0·2	E.	0·2	—	0·0	22	
E.	0·2	E.	0·2	E.	0·2	E.	0·2	S. W.	1·0	—	0·0	23	
E. by S.	0·2	W. S. W.	2·5	W. N. W.	2·0	N. N. W.	1·5	N.	2·5	N. N. W.	2·0	24	
S.S.W.	0·2	S. S. W.	0·2	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·2	S. S. W.	0·2	25	
N. E.	0·2	E. N. E.	0·2	N. by E.	0·2	N.	0·2	N. by E.	0·2	N. by E.	0·5	26	
E.	5·0	E. N. E.	0·5	E. S. E.	0·5	E. S. E.	0·5	E. S. E.	0·5	E. S. E.	0·2	27	
—	—	—	—	—	—	—	—	—	—	—	—	28	
S.E. by S.	0·2	S. E. by S.	0·2	S. by E.	0·2	S. by E.	0·2	S.	0·2	—	0·0	29	
S.E.	0·2	S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	E. by S.	0·2	30	

18h.		19h.		20h.		21h.		22h.		23h.			
E.	0·2	E.	0·2	—	0·0	E.	0·0	—	0·0	—	0·0	1	APRIL.
—	0·0	—	0·0	E.	0·2	—	0·2	—	0·0	—	0·0	2	
—	0·0	W. N. W.	0·5	W. N. W.	0·5	W. by S.	0·2	W. by S.	0·2	—	0·0	3	
—	—	—	—	—	—	—	—	—	—	—	—	4	
E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	E. S. E	0·5	E. by S.	0·5	E. by S.	0·5	5	
—	—	—	—	—	—	—	—	—	—	—	—	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N.	0·2	8	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	9	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	12	
—	—	—	—	—	—	—	—	—	—	—	—	13	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	14	
N. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	15	
N. N. W.	1·5	N. N. W.	1·5	N. N. W.	2·5	N. N. W.	2·0	N. N. W.	0·5	N. N. W.	1·5	16	
N. N. E.	0·2	N. by E.	0·2	N.	0·5	N.	0·5	N.	0·5	N.	0·5	17	
E. S. E.	0·2	E. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	18	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
—	—	—	—	—	—	—	—	—	—	—	—	20	
N. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
E. by S.	3·0	S. E. by E.	2·0	S. E. by E.	2·0	S. E. by E.	1·0	S. E. by E.	1·0	—	0·0	22	
—	0·0	—	0·0	S.	0·2	S.	0·2	S.	0·2	—	0·0	23	
N. N. W.	1·0	N. N. W.	1·0	—	0·0	—	0·0	—	0·0	N. N. W.	0·2	24	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	25	
—	0·0	N. N. E.	0·2	N. N. E.	0·2	N. N. E.	0·2	N. N. E.	0·2	—	0·0	26	
—	—	—	—	—	—	—	—	—	—	—	—	27	
S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	29	
S. S. E.	0·2	S. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	30	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
MAY.	1	—	0·0	—	0·0	—	0·0	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2
	2	—	0·0	—	0·0	—	0·0	—	0·0	S. by W.	0·5	S. by W.	0·5
	3	—	0·0	—	0·0	—	0·0	E. S. E.	0·2	—	0·0	S. E.	0·2
	4	S. by W.	0·2	S. by W.	0·2	S. by W.	0·2	S. by W.	0·2	S.	0·2	S.	0·1
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	N. E. by E.	0·2	E. N. E.	0·5	E. N. E.	0·2	E. N. E.	0·2	N. E. by E.	0·2	N. E. by E.	0·2
	7	W.	0·2	W.	0·2	N. W.	0·5	W. N. W.	1·0	N. W.	1·5	N. W.	1·0
	8	—	0·0	—	0·0	S. by W.	0·2	S. by W.	0·2	W. N. W	0·5	W. by S.	0·3
	9	N. W. by W.	0·2	N. W. by W.	0·2	N. W. by N.	0·5	N. W.	1·0	N. W.	1·0	N. W. by N.	0·3
	10	—	0·0	E. N. E.	0·2	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2
	11	—	0·0	S. by W.	0·2	S. by W.	0·2	S. by W.	0·2	S. by W.	0·2	S. by W.	0·2
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	—	0·0	—	0·0	N. E. by E.	0·2	E. by N.	0·2	E. by S.	0·2	E. by S.	0·2
	14	N. N. E.	0·2	N.	0·2	N. N. W.	0·2	N. W. by N.	0·2	N. N. W.	0·2	N. N. W.	0·2
	15	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	16	E.	0·2	E.	0·2	E. N. E.	0·2	N. E. by E.	0·2	N. E. by. E.	0·2	S. E. by E.	0·2
	17	N. by W.	0·2	N. by W.	0·2	N.	0·2	N.	0·2	S. W.	0·2	S. W.	0·2
	18	—	0·0	—	0·0	S. W. by S.	0·2	S. by W.	0·2	S.	0·5	S. S. W.	0·3
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	21	N. N. W.	0·2	N. by W.	0·2	N. N. W.	0·2	N. by W.	0·2	N. N. W.	0·2	N. by W.	0·2
	22	—	0·0	—	0·0	—	0·0	—	0·0	S. S. W.	0·2	S. W. by S.	0·2
	23	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	24	—	0·0	—	0·0	—	0·0	S.	0·2	S. by E.	0·2	S. by E.	0·2
	25	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2	S. S. W.	0·3
	28	—	0·0	—	0·0	W. S. W.	0·2	W . S. W.	0·5	W. S. W.	0·5	W. S. W.	0·5
	29	—	0·0	—	0·0	—	0·0	—	0·0	S. by E.	0·2	S. S. E.	0·2
	30	E. by S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	31	W.	0·2	W. by N.	0·5	W. by S.	0·5	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	0·3

		12h.		13h.		14h.		15h.		16h.		17h.	
MAY.	1	S. S. W.	0 5	S. S. W.	0·5	S. S. W.	0·5	—	0·0	S. S. W.	1·0	S. S. W.	0·2
	2	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·5	S. S. W.	1·0	S. S. W.	7·0	S. W.	3·0
	3	E. by S.	0·5	E. by S.	0·5	E. by N.	0·2	S.	0·2	—	0·0	—	0·0
	4	S. S. W.	0·2	S. S. W.	0·5	—	0·0	—	0·0	—	—	—	—
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	S. E.	0·2	—	0·0	—	0·0	W. by N.	1·0	W. N. W.	1·0	W. N. W.	1·3
	7	S. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	8	N. W.	1·0	N. W.	1·0	—	0·0	—	0·0	—	0·0	—	0·0
	9	N.	0·5	N.	0·2	N.	0·2	N.	1·2	N.	0·2	N.	0·2
	10	E.	0·5	E.	0·5	E.	0·5	E. by S.	0·5	E.	0·5	E.	0·3
	11	S. S. W.	0·5	—	0·0	N. N. W.	1·5	N. W.	1·0	N. W.	1·5	N. W.	1·5
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	E. by N.	0·2	E. by N.	0·5	E. by N.	0·5	E.	1·0	N. E. by E.	0·5	N. E. by E.	0·3
	14	S. W. by S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	15	E. S. E.	0·2	—	0·0	—	0·0	S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2
	16	—	0 0	N.	0·5	N. by W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. by W.	0·3
	17	S. S. W.	0·5	S. S. W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0
	18	N. W.	0·5	N. N. E.	1·0	N.	0·5	N.	0·2	N. by W.	0·2	—	0·0
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	N. W.	1·5	N. W. by W.	0·2	—	0·0	N. W. by N.	0·5	N. W. by N.	0·2	N. W. by N.	0·3
	21	S. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	22	S.	0·5	S.	0·5	S.	0·5	—	0·0	—	0·0	S.	0·2
	23	S. W.	0·5	S. by W	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	24	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	25	S. by W.	0·5	S. by W.	0·2	S. by W.	0·2	S. by. W.	0·5	—	0·0	—	0·0
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	S. S. W.	0·2	W. S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	28	W.	0·2	W.	0·2	W. by N.	0·2	—	0·0	—	0·0	—	0·0
	29	—	0·0	—	0·0	—	0·0	—	0·0	E. N. E.	0·5	E. N. E.	0·3
	30	S. E.	0·2	S. E.	0·5	S. E. by E.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2
	31	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2	—	0·0	—	0·0	—	0·0

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
S. S. W.	0·2	S. S. W.	0·5	S. S. W.	1·0	S. S. W.	1·0	S. S. W.	1·0	S. S. W.	0·5	1	MAY.
S. by W.	0·5	S. S. W.	1·0	S. S. W.	1·0	S. S. W.	1·0	S. S. W.	1·0	S. S. W.	0·5	2	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E. S. E.	0·2	3	
S.	0·2	—	0·0	—	0·0	S.	0·2	S. by W.	0·2	S. by W.	0·2	4	
—	—	—	—	—	—	—	—	—	—	—	—	5	
E. by N.	0·2	—	0·0	E. by N.	0·2	—	0·0	E. by S.	0·5	S. E. by E.	0·5	6	
N.	1·0	N. by W.	1·0	N. N. W.	2·0	N. W.	1·0	N. W. by W.	1·0	N. N. W.	0·5	7	
W.	1·0	W.	2·0	W.	2·0	N. W.	2·0	N. W.	2·5	N. W. by W.	1·5	8	
N. W.	0·5	N. W.	0·5	N. W. by W.	1·5	N. W. by W.	1·5	N. W.	1·5	N. W.	1·0	9	
E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	E.	0·5	10	
—	0·0	—	0·0	S. by W.	0·2	S. by W.	0·2	—	0·0	S. S. W.	1·0	11	
—	—	—	—	—	—	—	—	—	—	—	—	12	
E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	E. by S	0·2	E. by N.	0·2	13	
N. N. W.	0·2	N. N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W. by W.	0·5	14	
—	0·0	—	0·0	S. by E.	0·2	S. S. E.	0·2	S. E.	0·2	E. S. E.	0·2	15	
S. E. by E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	—	0·0	—	0·0	16	
S. W. by S.	0·2	S. W. by S.	0·2	S. W. by S.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	17	
S. W.	0·5	W.	3·5	W. N. W.	4·0	N. W.	1·5	W. N. W.	1·0	N. W.	0·5	18	
—	—	—	—	—	—	—	—	—	—	—	—	19	
E. S. E.	0·2	S. S. W.	0·2	W. S. W.	0·5	W. N. W.	0·5	N. W.	0·5	N. N. W.	0·5	20	
S. W.	0·2	S. W.	0·2	S. W. by S.	0·5	S. S. W.	0·5	S. by W.	0·2	S. by W.	0·2	21	
S. by W.	0·2	S. by W.	0·5	S. by W.	1·0	S.	1·0	S.	1·0	S.	1·0	22	
S.	0·2	S.	0·2	S.	0·5	S.	1·0	S.	1·0	S. by W.	1·0	23	
S. E. by S.	0·2	S. by E.	0·2	E. S. E.	0·2	E. S. E.	0·2	E.	0·2	—	0·0	24	
S.	0·2	S. E. by S.	0·5	S. by E.	1·0	S. S. E.	1·0	S. E.	1·0	S. by W.	0·5	25	
—	—	—	—	—	—	—	—	—	—	—	—	26	
S. S. W.	0·5	S. S. W.	0·5	—	—	—	—	S. S. W.	0·5	S. S. W.	0·5	27	
W. S. W.	0·5	W.	0·5	W.	0·2	W.	0·2	W.	0·2	W.	0·2	28	
S. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	29	
S. E. by E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	S. E.	0·2	S. E.	0·5	30	
W. S. W.	0·5	W. S. W.	1·0	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	0·2	W. S. W.	0·2	31	

18h.		19h.		20h.		21h.		22h.		23h.			
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1	MAY.
W. S. W.	1·0	W. N. W.	1·0	W. N. W.	0·5	N. N. E.	0.2	—	0·0	—	0·0	2	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. by W.	0.2	3	
—	—	—	—	—	—	—	—	—	—	—	—	4	
S. S. W.	0·2	S.	0·2	S. by E	0·2	E. S. E.	0·2	E. S. E.	0·2	E.	0·2	5	
W. N. W.	2·0	W. N. W.	3·5	W. N. W.	1·5	W. N. W.	0·5	W. N. W.	1·0	W. by N.	0·5	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
—	0·0	—	0·0	—	0·0	N. W.	0·2	N. W.	0·5	N. W.	0·2	8	
N.	0·2	N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	9	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	10	
—	—	—	—	—	—	—	—	—	—	—	—	11	
—	0·0	—	0·0	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	—	0·0	12	
N. E. by E.	0·5	N. E. by E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	13	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	14	
—	0·0	—	0·0	—	0·0	—	0·0	E.	0·2	—	0·0	15	
N. by W.	0·5	N. by W.	0·5	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	16	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	17	
—	—	—	—	—	—	—	—	—	—	—	—	18	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
N. W. by N.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	20	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	22	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	23	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	24	
—	—	—	—	—	—	—	—	—	—	—	—	25	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	26	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	27	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28	
N. E.	1·0	E.	1·0	E. by S.	1·0	E. by S.	1·0	E.	0·5	E. by S.	0·2	29	
S. E.	0·2	S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	30	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	31	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
JUNE.	1	—	0·0	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2	S. by E.	0·5	S.	0·2
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	E. N. E.	0·2	E. N. E.	0·2	E. N. E.	0·2	—	0·0	S. S. E.	0·5	S. by E.	0·5
	4	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. S. E.	0·2
	5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	6	—	0·0	S.	0·2	S.	0·2	N. W.	0·5	N. W.	0·5	N. W.	0·5
	7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. by W.	0·2
	8	—	0·0	—	0·0	N. W.	0·2	W. S. W.	0·2	S. W.	0·5	S. S. W.	0·2
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	—	0·0	N. W. by N.	0·2	N. W.	1·0	W. by N.	2·0	W. by N.	2·0	W.	2·0
	11	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. W. by W.	0·2	S.	0·2
	12	—	0·0	—	0·0	—	0·0	S. E. by E.	0·2	E. S. E.	0·2	E. S. E.	0·2
	13	—	0·0	—	0·0	—	0·0	E. by S.	0·2	—	0·0	E. by S.	0·2
	14	E.	0·2	E.	0·2	—	0·0	—	0·0	—	0·0	E. S. E.	0·2
	15	—	0·0	—	0·0	E. by S.	0·2	E. by S.	0·2	—	0·0	—	0·0
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E. by S.	0·0
	18	—	0·0	—	0·0	S. E. by S.	0·2	S. E. by S.	0·2	S. S. E.	0·2	S. S. E.	0·2
	19	—	0·0	—	0·0	—	0·0	S. by W.	0·2	—	0·0	S.	0·2
	20	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5	N. N. W.	0·5	N. N. W.	0·5
	21	N. by E.	0·2	N. by E.	0·2	E.	0·2	E.	0·2	S. E.	0·2	S. E. by E.	0·2
	22	N.	0·2	N. by E.	0·5	N. by E.	0·5	N. by E.	0·5	N. by E.	0·5	N. N. E.	0·2
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	—	0·0	—	0·0	S. W.	0·2	S. W. by S.	0·5	S. S. W.	0·2	S. S. W.	0·2
	25	—	0·0	—	0·0	—	0·0	—	0·0	S. W.	0·2	S. W.	0·2
	26	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	27	E.	0·2	E.	0·2	E.	0·2	E.	0·5	E.	0·5	E.	0·5
	28	S. W. by S.	0·5	S. W. by S.	1·0	W. S. W.	1·0	W. by S.	1·0	W. by S.	0·5	W. S. W.	0·2
	29	—	0·0	—	0·0	N. E. by N.	0·2	E. by S.	0·2	S. E.	0·2	S. E.	0·2
	30	—	—	—	—	—	—	—	—	—	—	—	—

		12h.		13h.		14h.		15h.		16h.		17h.	
JUNE.	1	S. S. W.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	S. S. W.	0·5	S. S. W.	0·2	N. W.	0·2
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	S. by E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	4	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	6	W. by N.	0·5	W. N. W.	0·2	W. N. W.	0·2	—	0·0	—	0·0	—	0·0
	7	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·5
	8	S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2	—	0·0	S. E. by E.	0 2	S. E. by E.	0·2
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	N.W. by W.	0·5	—	0·0	W. N. W.	0·2	—	0·0	—	0·0	—	0·0
	11	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	12	E. by S.	0·2	E. by S.	0·2	E.	0 2	—	0·0	—	0·0	—	0·0
	13	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	14	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	15	E. by S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	E. by S.	0·2	E. by S	0·2	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	—	0·0
	18	—	0·0	—	0·0	S.	0·2	—	0·0	—	0·0	—	0·0
	19	N. W.	0·2	N.	1·0	N.	0·5	—	0·0	—	0·0	—	0·0
	20	N. E. by N.	0·2	N. E. by N.	0·2	N. E. by N.	0·2	N. E. by N.	0·2	N. E. by N	0·2	—	0·0
	21	—	0·0	—	0·0	—	0·0	—	0·0	E. N. E.	0·2	E. N. E.	0·2
	22	N. by E.	0·5	N. by E.	0·5	N. by E.	0·2	—	0·0	—	0 0	—	0·0
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·2	—	0·0	S. W.	0·5	S. W.	0·1
	25	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	26	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	27	E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	28	W. S. W.	0·5	W. S. W.	0·5	W.	0·5	—	0·0	—	0·0	—	0·0
	29	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	30	—	—	—	—	—	—	—	—	—	—	—	—

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
S. by W.	0·2	S. by W.	0·5	S.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	1	JUNE.
—	—	—	—	—	—	—	—	—	—	—	—	2	
S.	0·3	S.	0·2	S.	0·2	S.	0·2	S.	0·2	S.	0·2	3	
S.S.E.	0·2	—	0·0	—	0·0	—	0·0	S. E.	0·2	S. E.	0·2	4	
S.E.	0·2	S.	0·2	S.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	—	0·0	5	
N. W.	0·5	N. W.	0·5	N. W. by N.	0·5	N. N. W.	0·5	N. W.	0·5	W. N. W.	0·5	6	
—	0·0	S. by W.	0·2	S. by W.	0·2	N. by E.	0·5	N. W.	1·0	N. W.	1·0	7	
S. S. W.	0·2	S. S. W.	0·2	S.	0·2	S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2	8	
—	—	—	—	—	—	—	—	—	—	—	—	9	
W.	2·0	W.	2·0	W.	3·0	N. W. by N.	4·0	W. N. W.	4·2	W. N. W.	1·0	10	
S.	0·2	S. by E.	0·2	S. by E.	0·2	S. by E.	0·2	S. by E.	0·2	—	0·0	11	
E.	0·2	E.	0·2	E. by N.	0·2	E. by N.	0·2	E. N. E.	0·2	E. by S.	0·2	12	
E. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	13	
E. S. E.	0·2	E. S. E.	0·2	S. E. by E.	0·2	—	0·0	—	0·0	—	0·0	14	
E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	—	0·0	E. by S.	0·2	15	
—	—	—	—	—	—	—	—	—	—	—	—	16	
E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	17	
S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2	S. E.	0·2	—	0·0	—	0·0	18	
—	0·0	W. N. W.	0·2	W. N. W.	0·5	W. N. W.	0·5	—	0·0	N.	0·5	19	
N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·2	N. E. by N.	0·5	20	
S. E. by E.	0·2	E. S. E.	0·2	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	—	0·0	21	
N. N. E.	0·2	N. N. E.	0·2	N.	0·2	N. by E.	0·5	N. by E.	0·2	N. N. E.	0·5	22	
—	—	—	—	—	—	—	—	—	—	—	—	23	
S. S. W.	0·2	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	24	
S. W.	0·2	S. W.	0·2	S. S. W.	0·5	S. S. W.	0·2	—	0·0	S. W.	0·2	25	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	26	
E.	0·5	E. N. E.	0·2	N. E. by E.	0·2	N. E. by E.	0·2	—	0·0	E.	0·2	27	
W. S. W.	1·0	W. by S.	2·0	W. by S.	2·0	W. by S.	1·0	W. S. W.	0·5	W. S. W.	0·5	28	
S. E.	0·2	S. by E.	0·2	S. by E.	0·2	S. by E.	0·2	—	0·0	—	0·0	29	
—	—	—	—	—	—	—	—	—	—	—	—	30	

18h.		19h.		20h.		21h.		22h.		23h.		
—	—	—	—	—	—	—	—	—	—	—	—	1
—	0·0	—	0·0	—	0·0	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·2	2
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	3
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	4
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	5
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	6
N. W.	0·2	—	0·0	—	0·0	—	0·0	N. W.	0·2	—	0·0	7
—	—	—	—	—	—	—	—	—	—	—	—	8
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	9
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	10
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	12
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	13
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	14
—	—	—	—	—	—	—	—	—	—	—	—	15
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	16
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	17
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	18
—	0·0	—	0·0	N. N. W.	0·2	N. N. W.	0·2	—	0·0	N.N.W.	0·2	19
—	0·0	—	0·0	—	0·0	—	0·0	N. N. E	0·2	N.	0·2	20
E. N. E.	0·5	E. by N.	0·5	E. by N.	0·5	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·5	21
—	—	—	—	—	—	—	—	—	—	—	—	22
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	23
S.W.	0·2	—	0·0	S. W.	0·2	—	0·0	—	0·0	—	0·0	24
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	25
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	26
S. by E.	0·2	S. by W.	0·2	S. W.	0·5	—	0·0	S. W.	0·5	S. W. by S.	0·5	27
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28
—	—	—	—	—	—	—	—	—	—	—	—	29
—	0·0	—	0·0	—	0·0	—	—	—	0·0	—	0·0	30

JUNE.

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
JULY.	1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. S. W.	0·3
	2	—	0·0	—	0·0	—	0·0	—	0·0	S. S. W.	0·2	S.	0·2
	3	—	0·0	—	0·0	N. by W.	0·2	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5
	4	N. by W.	0·2	N. by W.	0·2	N.	0·2	E. by N.	0·2	S. E.	0·2	S.	0·3
	5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	6	W.	0·2	W.	0·2	W.	0·2	W. by N.	0·2	W. by N.	0·5	W. N. W.	1·0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	9	—	0·0	—	0·0	—	0·0	S.	0·2	S.	0·2	S. W.	0·2
	10	S. W.	0·2	W.	0·5	W.	0·5	W. by N.	1·0	N. W.	0·5	N. W.	0·3
	11	N. W.	0·2	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·2
	12	—	0·0	—	0·0	S.	0·2	S.	0·2	S.	0·2	S.	0·2
	13	—	0·0	N. W.	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	—	0·0	—	0·0	—	0·0	—	0·0	S. E.	0·2	S. E.	0·3
	16	E.	1·0	E.	1·0	E.	1·0	E. by N.	1·0	E. N. E.	0·5	E. N. E.	0·5
	17	—	0·0	—	0·0	N. W.	0·2	N. W.	0·5	N. W.	0·2	N. W.	0·2
	18	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2
	19	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. S. W.	0·2
	20	—	0·0	—	0·0	—	0·0	—	0·0	N. by E.	0·2	S. W.	0·2
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	0·0	S. E.	0·2	S. E.	0·2	—	0·0	S.	0·2	S. by W.	0·2
	23	—	0·0	—	0·0	—	0·0	E. by N.	0·2	E. N. E.	0·2	E. by N.	0·2
	24	—	0·0	—	0·0	—	0·0	N. E. by E.	0·2	E. N. E.	0·2	E. by N.	0·2
	25	E.	0·2	N. E. by E.	0·2	N. E. by E.	0·5	N. E. by E.	0·5	N. E. by E.	0·5	E. N. E.	0·5
	26	N. E. by N.	0·2	N. E. by N.	0·2	N. E. by E.	0·2	E. N. E.	0·2	E. N. E.	0·2	E. N. E.	0·2
	27	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E.	0·2
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	—	0·0	—	0·0	—	0·0	—	0·0	E. S. E.	0·2	S. E. by E.	0·2
	30	—	0·0	—	0·0	—	0·0	—	0·0	S. by E.	0·2	S. by E.	0·2
	31	—	0·0	—	0·0	—	0·0	—	0·0	W. by S.	0·2	W.	0·2

		12h.		13h.		14h.		15h.		16h.		17h.	
JULY.	1	W. S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	2	N. by E.	0·2	N. by E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	3	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5	N. by W.	0·2
	4	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	5	S. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	6	N. W.	2·0	N. W.	0·5	—	0·0	N. W.	0·2	—	0·0	—	0·0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	9	—	0·0	—	0·0	S. W.	0·2	—	0·0	—	0·0	—	0·0
	10	N. W.	2·0	N. W.	2·0	N. W.	1·0	N. W.	0·5	N. W.	1·0	N. W.	0·5
	11	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	12	S. by W.	0·2	S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	13	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	16	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	17	—	0·0	—	0·0	—	0·0	—	0·0	N. by W.	0·2	—	0·0
	18	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	19	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	—	0·0	—	0·0	—	0·0
	20	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	S. by E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	23	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	24	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	25	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	26	E.	0·2	E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	27	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	S.	0·2	S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	30	S. by W.	0·2	S. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	31	—	0·0	—	0·0	W. N. W.	7·0	W. N. W.	0·5	W. N. W.	0·5	N. N. W.	0·2

DIRECTION AND FORCE OF THE WIND.

6h. Wind. Direction.	6h. Wind. Force.	7h. Wind. Direction.	7h. Wind. Force.	8h. Wind. Direction.	8h. Wind. Force.	9h. Wind. Direction.	9h. Wind. Force.	10h. Wind. Direction.	10h. Wind. Force.	11h. Wind. Direction.	11h. Wind. Force.	Mean Göttingen Time.	
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
S.W.	0·5	S. W.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	S. S. W.	0·5	S. S. W.	0·2	1	
S.	0·5	S.	0·5	S.	0·5	S.	0·2	E. N. E.	1·0	N. by E.	0·5	2	
N. by W	0·5	N. by W.	0·5	N. by W.	1·0	N. by W.	1·0	N.	1·0	N. by W.	1 0	3	
S.	0·5	S.	0·5	S.	0·5	S. by E.	0·5	S. by E.	0·5	S. by E.	0·2	4	
S.E.	0·2	S. E.	0·2	S. E. by S.	0·2	S. E. by S.	0·2	S. E. by S.	0·2	S. E. by S.	0·2	5	
W. N. W.	1·0	W.	1·0	W. N. W.	1·0	W. N. W.	1·0	N. W.	3·0	N. W.	2·0	6	
—	—	—	—	—	—	—	—	—	—	—	—	7	
S.	0·2	S. E.	0·2	S. E.	0·2	S.	0·2	S.	0·2	S.	0·2	8	
S.W.	0·5	S. W.	1·0	S. by W.	2·0	S.	0·5	S. by W.	0·5	S. W.	0·5	9	
N. W.	1·0	N. W.	0·5	N. W.	0·5	N. W.	1·0	N. W.	1·5	N. W.	1·5	10	
—	0·0	S.	0·2	S.	0·2	S.	0·2	S.	0·2	—	0·0	11	
S.	0·2	S.	0·2	S.	0·2	S.	0·2	S.	0·2	S.	0·2	12	
S.	0·2	S.	0·2	S. by E.	0·2	S. E.	0·2	S. E.	0·2	S.	0·2	13	
—	—	—	—	—	—	—	—	—	—	—	—	14	
S.E.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	15	
E. N. E.	1·0	E. N. E.	0·5	E. N. E.	0·2	—	0·0	—	0·0	—	0·0	16	JULY.
N. W.	0·2	S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	—	0·0	17	
S.	0·2	S.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	S. E	0·2	18	
S. W.	0·2	S. W.	0·2	S. W.	0·2	N. W. by W.	0·2	N. N. W.	0·2	W. N. W.	0·2	19	
S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. W. by W.	0·2	S. W. by W.	0·2	S. W. by W.	0·2	20	
—	—	—	—	—	—	—	—	—	—	—	—	21	
S. by W.	0·2	S. by W.	1·0	S. by W.	1·0	S. S. W.	0·2	N. by W.	0·2	S. by E.	0·5	22	
E.	0·2	E.	0·2	E. by S.	0·2	E. by S.	0·2	S. E. by S.	0·2	—	0·0	23	
E.	0·2	E.	0·2	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	—	0·0	24	
E. N. E.	0·5	E.	0·5	E.	0·5	—	0·0	—	0·0	—	0·0	25	
E. N. E.	0·2	E. N. E.	0·2	E. by N.	0·2	E. by S.	0·2	E.	0·2	E.	0·2	26	
E. by S.	0·2	E. by S.	0·2	E. S. E.	0·2	E. S. E.	0·2	S. E. by E.	0·2	—	0·0	27	
—	—	—	—	—	—	—	—	—	—	—	—	28	
S. E. by E.	0·2	S. E. by E.	0·2	S. E. by E.	0·2	S. E.	0·2	S. E.	0·5	S.	0·2	29	
S. by E.	0·2	—	0·0	S. by E.	0·2	S. by E.	0·2	S. by E.	2·0	S. by E.	3·0	30	
W. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S.	0·5	S. by W.	0·2	S. by W.	0·2	31	

18h.		19h.		20h.		21h.		22h.		23h.			
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	2	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	3	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	4	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. by W.	0·2	5	
—	—	—	—	—	—	—	—	—	—	—	—	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	8	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	9	
N. W.	0·5	W. by N.	0·5	W. by N.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·2	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	12	
—	—	—	—	—	—	—	—	—	—	—	—	13	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	14	
—	0·0	E.	0·2	—	0·0	—	0·0	E.	0·5	E.	0·5	15	
—	0·0	—	0·0	N. E.	0·2	N. E.	0·5	N. E.	0·5	—	0·0	16	JULY.
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	17	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	18	
N.	0·2	N.	0·2	N.	0·2	N.	0·2	N.	0·2	N.	0·2	19	
—	—	—	—	—	—	—	—	—	—	—	—	20	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
—	0·0	N. N. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	22	
—	0·0	—	0·0	N. E. by E.	0·2	—	0·0	—	0·0	—	0·0	23	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	24	
—	0·0	—	0·0	—	0·0	—	0·0	N. E.	0·5	N. E. by N.	0·2	25	
—	0·0	E.	0·2	E.	0·2	E.	0·5	E.	0·5	—	0·0	26	
—	—	—	—	—	—	—	—	—	—	—	—	27	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	29	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	30	
N. N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	31	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
AUGUST.	1	—	0·0	—	0·0	N. W. by W.	0·2	—	0·0	S. W. by W.	0·2	—	0·0
	2	—	0·0	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. N. W.	0·2	N. by E.	0·2
	3	—	0·0	—	0·0	—	0·0	E.	0·2	—	0·0	E.	0·2
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2	S.	0·2
	6	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2	S. S. W.	0·3
	7	—	0·0	—	0·0	—	0·0	—	0·0	S. E.	0·2	S.	0·3
	8	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	9	S.	1·5	S. W.	2·5	S. W.	2·0	W. S. W.	2·0	W. S. W.	2·0	W.	2·0
	10	—	0·0	—	0·0	N. W.	0·2	N. W.	0·2	S. by W.	0·2	S. by W.	0·3
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	0·0	N. W.	0·2	N. W.	0·2	—	0·0	N. W.	0·2	N. W.	0·2
	13	—	0·0	—	0·0	—	0·0	—	0·0	S. E.	0·2	S. E.	0·2
	14	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	15	—	0·0	—	0·0	S. E.	0·2	S. S. E.	0·2	S.	0·2	S.	0·2
	16	—	0·0	—	0·0	—	0·0	S. W.	0·2	S. by E.	0·2	—	0·0
	17	—	0·0	—	0·0	W. by N.	0·2	W. by N.	0·2	W. by N.	0·2	W. by N.	0·2
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	—	0·0	—	0·0	—	0·0	S. by W.	0·2	S. by W.	0·2	S. S. W.	0·2
	20	—	0·0	—	0·0	—	0·0	N. by W.	0·5	N. by E.	0·5	N. N. E.	0·3
	21	N. N. E.	0·5	N. N. E.	0·5	N. N. E.	0·5	N. E.	0·5	E. by N.	0·5	E.	0·5
	22	E.	2·0	E.	2·0	E.	0·5	E.	0·2	E.	0·2	E.	0·2
	23	—	0·0	S.	0·2	—	0·0	W.	0·5	N. W.	0·2	N. by W.	0·2
	24	—	0·0	—	0·0	—	0·0	—	0·0	W. N. W.	0·2	S. W.	0·3
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	27	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	28	—	0·0	—	0·0	—	0·0	—	0·0	E. N. E.	0·2	E. N. E.	0·2
	29	—	0·0	—	0·0	—	0·0	N.	0·5	N.	0·2	N.	0·2
	30	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	31	—	0·0	—	0·0	—	0·0	—	0·0	S. by E.	0·2	S. by E.	0·2
September	1	—	—	—	—	—	—	—	—	—	—	—	—

Mean Göttingen Time.		12h.		13h.		14h.		15h.		16h.		17h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
AUGUST.	1	N. W.	0·2	N. W.	0·2	N. W.	0·2	—	0·0	—	0·0	—	0·0
	2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. N. E.	0·2
	3	S. E. by S.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. W.	0·2	W. by S.	0·2	W. by S.	0·2
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	S. W. by W.	0·5	S. W. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	6	N.	0·2	N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	7	S. S. W.	0·5	S. S. W.	0·2	S. S. W.	0·2	—	0·0	—	0·0	—	0·0
	8	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	9	—	0·0	N. W.	0·2	W. by N.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·2
	10	N. N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	13	S. E.	0·2	S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	14	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	15	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	16	S. W.	0·5	S. W.	0·5	—	0·0	S. W.	0·2	—	0·0	—	0·0
	17	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	—	0·0	N. N. W.	0·5	N. W.	0·5	—	0·0	—	0·0	—	0·0
	20	N. by W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	21	—	0·0	—	0·0	—	0·0	E. by S.	0·2	E. by S.	0·5	E. by S.	1·0
	22	—	0·0	—	0·0	—	0·0	E.	0·2	E.	0·2	E.	0·2
	23	W. N. W.	0·5	W. N. W.	0·2	W. N. W.	0·2	—	0·0	—	0·0	—	0·0
	24	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	27	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	28	—	0·0	—	0·0	—	0·0	E. by N.	0·2	E. N. E.	0·2	N. E.	0·2
	29	N. by E.	0·2	N by E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	30	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. E.	0·5
	31	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
September	1	—	—	—	—	—	—	—	—	—	—	—	—

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
W. by S.	0·2	—	0·0	S.	0·2	S. by E.	0·2	S. by E.	0·2	E.	0·2	1	AUGUST.
N. by E.	0·2	N.	0·2	N.	0·2	N.	0·2	N.	0·2	—	0·0	2	
E.	0·2	E. S. E.	0·2	E. by S.	0·2	E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	3	
—	—	—	—	—	—	—	—	—	—	—	—	4	
S. W.	0·2	S. S. W.	0·5	S. S. W.	0·5	S. by W.	0·2	S by W.	0·2	S. by W.	0·2	5	
—	0·0	S. W.	0·2	S. W. by W.	0·2	N. by W.	0·5	N.	0·5	N.	0·2	6	
S.	0·5	S. by W.	0·5	S. by W.	0·5	S. by W.	0·5	S. by W.	0·5	S. S. W.	0·5	7	
—	0·0	S. W.	0·2	S. W.	0·2	S. W.	0·2	S. W.	0·2	S. W.	0·2	8	
W.	1·5	W.	1·0	W. by N.	0·2	W. by N.	0·2	W. by N.	0·2	W. by N.	0·2	9	
S.	0·5	S.	0·2	W. by S.	0·5	W. by N.	1·0	N. W.	0·5	N. W.	0·5	10	
—	—	—	—	—	—	—	—	—	—	—	—	11	
S. W.	0·2	S. by W.	0·2	S. by W.	0·2	S. by W.	0·2	S. by W.	0·2	—	0·0	12	
S. E.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	—	0·0	S. E.	0·2	13	
—	0·0	E. S. E.	0·2	E.	0·2	E.	0·2	E.	0·2	—	0·0	14	
S.	0·2	S.	0·2	S. by E.	0·2	S.E.	0·2	S. E.	0·2	S. E.	0·2	15	
S.	0·2	S.	0·5	S.	1·0	S. by E.	0·5	S. by W.	0·5	S. W.	0·5	16	
W. by N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	N. N. W.	0·5	17	
—	—	—	—	—	—	—	—	—	—	—	—	18	
S. S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
N. N. E.	0·5	N. N. E.	0·5	N. N. E.	0·5	N. by E.	0·5	N. by W.	0·5	N. by W.	0·5	20	
E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·5	N. N. E.	0·2	E. by S.	0·2	21	
E.	0·2	—	0·0	E.	0·2	E.	0·2	—	0·0	—	0·0	22	
N. W.	0·5	W. N. W.	0·5	W.	0·5	W.	0·5	W.	0·5	W. N. W.	0·5	23	
S. W.	0·5	W. S. W.	1·0	W. S. W.	0·5	W. S. W.	0·5	W. N. W.	0·5	N. W.	0·2	24	
—	—	—	—	—	—	—	—	—	—	—	—	25	
—	0·0	S. by W.	0·2	S. by W.	0·2	S. by W.	0·2	S. by W.	0·2	—	0·0	26	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	27	
E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28	
N. N. W.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	29	
E. by S.	0·2	E. by S.	0·2	—	0·0	—	0·0	E. by S.	0·2	—	0·0	30	
—	0·0	S.	0·2	S.	0·2	S. by E.	0·2	S. by E.	0·2	—	0·0	31	
—	—	—	—	—	—	—	—	—	—	—	—	1	September

18h.		19h.		20h.		21h.		22h.		23h.			
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1	AUGUST.
N. N. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	2	
—	—	—	—	—	—	—	—	—	—	—	—	3	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	4	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	5	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
—	0·0	—	0·0	S. E.	0·2	—	0·0	—	0·0	S.	0·5	8	
N. W.	0·2	N. W.	0·2	N. W.	0·2	—	0·0	—	0·0	—	0·0	9	
—	—	—	—	—	—	—	—	—	—	—	—	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	12	
—	0·0	E. by S.	0·2	—	0·0	E. by S.	0·0	—	0·0	—	0·0	13	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	14	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	15	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	16	
—	—	—	—	—	—	—	—	—	—	—	—	17	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	18	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
—	0·0	N.	0·5	N.	0·5	N. by E.	0·5	N. N. E.	0·5	N. N. E.	0·5	20	
N. N. E.	1·0	E. N. E.	1·5	E.	2·0	E.	2·0	E.	2·0	E.	2·0	21	
E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	22	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	23	
—	—	—	—	—	—	—	—	—	—	—	—	24	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	25	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	26	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	27	
N. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	29	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	30	
—	—	—	—	—	—	—	—	—	—	—	—	31	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1	September

DIRECTION AND FORCE OF THE WIND.

Mean (Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
SEPTEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	—	0·0	—	0·0	—	0·0	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2
	3	N. W.	0·2	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. W.	0·3
	4	—	0·0	—	0·0	N. N. W.	0·5	N. by W.	0·5	N. by W.	0·2	N. by W.	0·2
	5	—	0·0	S. E.	0·2	S. E.	0·5	S. by E.	0·5	E.	0·2	E.	0·2
	6	E.	0·2	E.	0·2	E.	0·2	E. by N.	0·5	E. by S.	0·5	E. by S.	0·3
	7	—	0·0	—	0·0	—	0·0	E. S. E.	0·2	S. E.	0·2	S. E.	0·2
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	10	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	11	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	12	N. E. by N.	0·2	N. E. by N.	0·2	N. E. by N.	0·2	N. E. by N.	0·5	N. E. by N.	0·5	N. E. by N.	0·2
	13	—	0·0	—	0·0	—	0·0	—	0·0	E. N. E.	0 2	S. E.	0·2
	14	—	0·0	—	0·0	—	0·0	—	0·0	S. E.	0·2	S. E.	0·2
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	17	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	18	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. by W.	0·2	S. W.	0·3
	19	N.	0·2	—	0·0	—	0·0	—	0·0	S. S. W.	0·5	S. S. W.	0·5
	20	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. S. W.	0·2
	21	S. S. W.	0·2	S. S. W.	0·5	S. S. W.	1·5	S. S. W.	2·0	W. by N.	5·0	W.	5·0
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	—	0·0	E.	0·5	E.	0·2	E.	0·2	E.	0·2	E. S. E.	0·2
	24	—	0·0	—	0·0	—	0·0	W.	0·2	—	0·0	—	0·0
	25	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	26	—	0·0	N. W.	0·2	N. W.	0·2	—	0·0	N. W. by N.	0·5	N.	0·2
	27	—	0·0	—	0·0	—	0·0	N.	0·2	N. by E.	0·2	N. N. E.	0·2
	28	N.	0·2	N.	0·2	N.	0·2	N.	0·2	E. N. E.	0·2	E. N. E.	0·2
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N. N. E.	0·2	N. N. E.	0·2	N. N. E.	0·3

		12h.		13h.		14h.		15h.		16h.		17h.	
SEPTEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	W.	1·5	N. W. by W.	3·5	N. W. by W.	2·5	N. W. by W.	1·0	N. W. by W.	1·0	N. W.	0·5
	3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	4	N.	0·5	N.	0·2	N.	0·2	—	0·0	—	0·0	—	0·0
	5	E.	0·2	E.	0·2	—	0·0	—	0·0	—	0·0	E.	0·2
	6	E. by N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	7	E.	0·5	E.	0·5	—	0·0	—	0·0	—	0·0	—	0·0
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	—	0·0	—	0·0	N. E.	0·2	N. E.	0·5	N. E.	0·5	N. E.	0·3
	10	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	11	—	0·0	—	0·0	—	0·0	N. E.	0·2	—	0·0	N. E.	0·2
	12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	13	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	14	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	17	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	18	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	19	S. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	20	S. S. W.	1·0	S. S. W.	0·5	S. S. W.	0·2	—	0·0	—	0·0	—	0·0
	21	W. N. W.	2·5	W. N. W.	2·5	W. N. W.	1·0	W. N. W.	1·0	W. N. W	0·5	W. N. W.	0·1
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	24	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	25	—	0·0	—	0·0	—	0·0	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2
	26	N.	0·2	N.	0·2	N.	0·2	N.	0·2	N.	0·2	—	0·0
	27	N. by E.	0·2	N.	0·2	N.	0·2	N. by E.	0·2	N. by E.	0·5	N. by E.	0·2
	28	E. by S.	0·2	—	0·0	—	0·0	—	0·0	E. by S.	0·2	—	0·0
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	N. by E.	0·5	N. by E.	1·0	N. by E.	0·2	—	0·0	—	0·0	—	0·0

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
—	—	—	—	—	—	—	—	—	—	—	—	1	SEPTEMBER.
—	0·0	—	0·0	E.	0·2	S. by E.	0·2	W. by S.	0·5	W.	1·0	2	
N. W.	0·5	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·5	—	0·0	3	
N. by W.	0·2	N. N. W.	0·5	N. by W.	0·5	N. by W.	0·5	N.	0·5	N. by W.	0·5	4	
E. S. E.	0·2	E. by S.	1·0	E.	1·0	E.	1·0	E.	0·5	E.	0·2	5	
E. by S.	0·5	E. by S.	0·2	E. by S.	0·5	E. S. E.	0·5	E. S. E.	0·2	E. by N.	0·2	6	
S. E.	0·2	E. by S.	0·5	E. by S.	0·5	E.	0·5	E.	0·5	E.	0·5	7	
—	—	—	—	—	—	—	—	—	—	—	—	8	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	9	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	10	
—	0·0	E. S. E.	0·2	E. S. E.	0·2	—	0·0	N. E. by E.	0·2	N. E.	0·2	11	
N. E. by N.	0·2	E. by S.	0·2	E. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2	—	0·0	12	
S. E.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	—	0·0	—	0·0	13	
S. E. by S.	0·2	S. E. by S.	0·2	S. S. E.	0·2	S. by E.	0·2	S. by E.	0·2	—	0·0	14	
—	—	—	—	—	—	—	—	—	—	—	—	15	
—	0·0	S.	0·2	—	0·0	—	0·0	S.	0·2	—	0·0	16	
—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2	—	0·0	17	
S. W. by S.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·2	S. S. W.	0·2	—	0 0	18	
S. S. W.	0·5	S. by W.	1·0	S. by W.	1·0	S. by W.	1·0	S. by W.	0·2	S. by W.	0·2	19	
S. S. W.	0·5	S. S. W.	0·5	S. W. by S.	0·5	S. W. by S.	1·0	S. W. by S.	0·0	S. S. W.	1·5	20	
W.	3·5	W. S. W.	5·0	W. by N.	5·0	W. by N.	4·0	W. N. W.	5·0	W. N. W.	5·0	21	
—	—	—	—	—	—	—	—	—	—	—	—	22	
E.	0·2	E. by N.	0·2	E. by S.	0·2	E. by N.	0·2	E.	0·5	E.	0·2	23	
N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	24	
N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	1·2	N. N. W.	0·2	—	0·0	25	
N.	0·2	N.	0·2	N.	0·2	N.	0·2	N.	0·2	N.	0·2	26	
N. E.	0·2	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	27	
E.	0·5	E.	0·5	E.	0·2	E.	0·5	E.	0·5	—	0·0	28	
—	—	—	—	—	—	—	—	—	—	—	—	29	
N. N. E.	0·2	N. N. E.	0·5	N. N. E.	2·5	N.	3·5	N. by E.	4·0	N. by E.	2·5	30	

18h.		19h.		20h.		21h.		22h.		23h.			
—	—	—	—	—	—	—	—	—	—	—	—	1	SEPTEMBER.
N. W.	0·5	N. W.	0·5	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·2	2	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	3	
—	0·0	N.	0·2	N.	0·2	N.	0·2	N.	0·2	—	0·0	4	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E.	0·2	5	
—	0·0	—	0·0	—	0·0	—	0·0	—	0 0	—	0·0	6	
—	—	—	—	—	—	—	—	—	—	—	—	7	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	8	
N. E.	0·2	N. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	9	
—	0·0	—	0·0	—	0 0	—	0·0	—	0·0	—	0·0	10	
N. E. by N.	0·2	N. E. by N.	0·2	N. E. by N.	0·5	N. E. by N.	0·2	N. E. by N.	0·2	N. E. by N.	0·2	11	
E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·2	—	0·0	—	0·0	12	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	13	
—	—	—	—	—	—	—	—	—	—	—	—	14	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	15	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	16	
W.	0·2	N. W.	0·5	N. by W.	2·0	N. by W.	1·0	N. by W.	0·5	N. N. W.	0·2	17	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	18	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
—	0 0	—	0·0	—	0·0	—	0·0	—	0 0	—	0·0	20	
—	—	—	—	—	—	—	—	—	—	—	—	21	
—	0·0	E.	0·2	E.	0·2	E.	0·5	E.	0·2	—	0·0	22	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	23	
—	0 0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	24	
N. N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	N. W.	0·2	25	
—	0·0	—	0·0	—	0·0	N. by E.	0·2	—	0·0	—	0·0	26	
N. by E.	0·2	N. by E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	27	
—	—	—	—	—	—	—	—	—	—	—	—	28	
—	0·0	—	0·0	—	0·0	N. by E.	0·2	—	0,0	—	0·0	29	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	30	

DIRECTION AND FORCE OF THE WIND.

OCTOBER.

Mean Göttingen Time.	0h.		1h.		2h.		3h.		4h.		5h.	
	Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
1	—	0·0	—	0·0	—	0·0	N.	0·5	E.	0·2	E. by S.	0·2
2	—	0·0	—	0·0	—	0.0	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2
3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
4	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. by E.	0·2
5	N. N. W.	0·2	N. W.	0·2	N. W.	0·5	N. W.	1·0	N. W.	1·0	N. W.	1·0
6	—	—	—	—	—	—	—	—	—	—	—	—
7	—	0·0	—	0·0	—	0·0	N. by E.	0·5	N. by E.	0·2	N. by E.	0·2
8	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. W.	0·5
9	S. W. by S.	0·2	S. W. by S.	0·2	'N. W.	0·2	W.	0·2	W.	0·2	W. by S.	0·2
10	—	0·0	S. W.	0·2	N. W.	0·5	N. W.	0·5	N. W.	2·5	N. W.	1·5
11	—	0·0	—	0·0	—	0·0	—	0·0	E. N. E.	0·2	E. S. E.	0·2
12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
13	—	—	—	—	—	—	—	—	—	—	—	—
14	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. W. by W.	0·2
15	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
16	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. W. by W.	0·2
17	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
18	—	0·0	N. by E.	0·2	N. by E.	0·2	—	0·0	—	0·0	E.	0·3
19	W. by S.	4·0	W. by S.	5·0	W. by S.	5·0	W. S. W.	4·0	W. S. W.	7·0	W. S. W.	6·0
20	—	—	—	—	—	—	—	—	—	—	—	—
21	S. E.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	S. E. by E.	0·2	E. by S.	0·2
22	—	0·0	—	0·0	—	0·0	—	0·0	E. S. E.	0·2	E. S. E.	0·2
23	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
24	—	0·0	—	0·0	—	0·0	E.	0·2	E.	0·2	E.	0·2
25	—	0·0	—	0·0	—	0·0	E. by N.	0·2	E. by N.	0·2	E.	0·2
26	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
27	—	—	—	—	—	—	—	—	—	—	—	—
28	N. E.	1·0	N. E.	1·0	N. E.	1·0	N. E.	1·0	N. E.	1·0	N. E.	1·0
29	N. by E.	1·0	N. by E.	1·0	N. by E.	1·0	N. by E.	1·0	N. by E.	1·0	N. by W.	1·0
30	N. by W.	0·2	N. by W.	0·2	—	0·0	N. by W.	0·2	N. by W.	0·5	N. by W.	0·2
31	—	0.0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0

OCTOBER.

Mean Göttingen Time.	12h.		13h.		14h.		15h.		16h.		17h.	
1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
2	E. by S.	0·2	S. S. E.	0·5	S. S. E.	0·2	S. S. E.	0.5	S. S. E.	0·2	S. E.	0·2
3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
4	N. by E.	0·2	N.	0.2	N.	0·2	N. by W.	0·2	N. by W.	0·5	N. by W.	0·5
5	N. W.	0·2	N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
6	—	—	—	—	—	—	—	—	—	—	—	—
7	—	0·0	—	0·0	—	0·0	N.	0·2	N.	0·2	N. by E.	0·2
8	S. W. by S.	2·0	S. W. by S.	1·0	S. W.	1·0	S. W.	1·0	S. W.	1·0	S. W.	0·5
9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
10	N.	0·2	N.	0·2	—	0·0	N.	0·2	—	0·0	—	0·0
11	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
12	E. S. E.	0·2	—	0·0	E. S. E.	0·2	S. S. E.	0·5	S. S. E.	0·2	—	0·0
13	—	—	—	—	—	—	—	—	—	—	—	—
14	S. S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
15	N. W.	0·2	N. W.	0·2	N. W.	0·5	—	0·0	—	0·0	—	0·0
16	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
17	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
18	E.	4·5	E.	4·5	E.	5·0	E.	5·0	E.	2·5	E. by S.	2·5
19	W.	0·5	—	0·0	W.	0·2	W.	0·2	W.	0·2	W.	0·2
20	—	—	—	—	—	—	—	—	—	—	—	—
21	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
22	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
23	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
24	E. by N.	0·2	E. by N.	0·2	E.	0·2	E.	0·2	—	0·0	—	0·0
25	N.	1·0	N.	0·5	—	0·0	N.	0·5	—	0·0	—	0·0
26	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
27	—	—	—	—	—	—	—	—	—	—	—	—
28	N. N. E.	1·5	N. E.	1·0	N. N. E.	1·0	N. N. E.	1·0	N. N. E.	1·0	N. N. E.	0·5
29	N. by W.	1·0	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5
30	N. N. W.	0·2	N. N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
31	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
E. by S.	0·2	E. by S.	0·2	E. by S.	0·5	E. by S.	0·2	E. by S.	0·2	—	0·0	1	
—	0·0	E. by S.	0·2	—	0·0	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	2	
—	0·0	W. N. W.	0·2	S. S. E.	0·0	S. E.	0·2	S. E.	0·2	E.	0·2	3	
S. by E.	0·2	N. by E.	0·2	N.	0·0	N. by E.	0·2	N.	0·5	N.	0·2	4	
N. W.	1·0	N. W.	0·2	N. W. by N.	0·0	N. W. by N.	0·5	N. W. by N.	1·0	N. W. by N.	0·2	5	
—	—	—	—	—	—	—	—	—	—	—	—	6	
N. by E.	0·2	N.	0·2	—	0·2	—	0·0	—	0·0	—	0·0	7	
S. S. W.	1·0	S. S. W.	2·0	S. W.	3·0	S. W.	1·5	S. W.	2·5	S. W. by S.	2·0	8	
W. by S.	0·5	W. by S.	0·5	W. by S.	0·0	S. W.	0·2	S. W.	0·2	—	0·0	9	
N. W.	1·5	N. W.	1·5	N. N. W.	2·5	N. by W.	1·5	N.	0·2	N.	0·2	10	
E. S. E.	0·5	S. E. by E.	0·2	S. E.	0·2	—	0·0	—	0·0	—	0·0	11	
S. E. by E.	0·2	—	0·0	S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	12	
—	—	—	—	—	—	—	—	—	—	—	—	13	
—	0·0	S. by W.	0·2	S. by W.	0·2	S. by W.	0·2	S. by W.	0·2	S. S. W.	0·2	14	
—	0·0	—	0·0	S. S. W.	0·5	S. S. W.	0·2	S. S. W.	0·2	—	0·0	15	
N. W. by W.	0·2	N. W. by W.	0·2	—	0·2	—	0·0	—	0·0	—	0·0	16	
—	0·0	—	0·0	—	0·2	—	0·0	—	0·0	—	0·0	17	
N. E.	0·5	N. E.	0·5	N. E.	0·2	E. N. E.	0·5	E. N. E.	1·5	E. N. E.	3·0	18	
W.	6·0	W. by N.	7·0	W.	7·0	W.	6·0	W.	5·0	W.	2·5	19	
—	—	—	—	—	—	—	—	—	—	—	—	20	
E.	0·5	E.	0·5	E.	0·5	E.	0·5	E.	0·2	—	0·0	21	
E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·5	E. S. E.	0·2	E. S. E.	0·2	—	0·0	22	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	23	
E.	0·2	E.	0·2	E.	0·5	E. by N.	0·5	E. N. E.	0·2	E. N. E.	0·2	24	
—	0·0	S. S. E.	0·2	S. by E.	0·2	S. by W.	3·0	S. by W.	0·5	S. W.	2·5	25	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	26	
—	—	—	—	—	—	—	—	—	—	—	—	27	
N. E.	1·0	N. E.	1·0	N. E.	0·5	N. E.	0·5	N. E.	0·5	N. N. E.	0·5	28	
N. by W.	1·0	N. by W.	1·0	N. by W.	1·0	N. by W.	1·0	N. by W.	1·0	N. by W.	1·0	29	
N. by W.	0·2	N. by W.	0·5	N. by W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	30	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	31	

OCTOBER.

18h.		19h.		20h.		21h.		22h.		23h.			
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1	
S.	6·0	—	0·0	W. N. W.	1·0	—	0·0	—	0·0	—	0·0	2	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	3	
N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0.2	4	
—	—	—	—	—	—	—	—	—	—	—	—	5	
N.	0·2	N.	0·2	N.	0·2	N.	0·2	N.	0·2	—	0·0	6	
N. by E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. W.	0·2	8	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	9	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11	
—	—	—	—	—	—	—	—	—	—	—	—	12	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	13	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	14	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. W.	0·2	15	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	16	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	17	
S. W.	7·0	S. W.	7·0	S. W.	7·0	W. S. W.	7·0	W. S. W.	7·0	W.	5·0	18	
—	—	—	—	—	—	—	—	—	—	—	—	19	
N. W.	0·2	—	0·0	—	0·0	S. E.	0·2	S. E.	0·2	S. E.	0·2	20	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	22	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	23	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	24	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	25	
—	—	—	—	—	—	—	—	—	—	—	—	26	
N. E.	1·5	N. N. E.	0·5	E. N. E.	2·0	N. E.	1·5	N. E.	0·5	N. E.	1·0	27	
N. N. E.	0·5	N. N. E.	0·5	N. by E.	0·5	N. by E.	1·5	N. by E.	1·5	N. by E.	1·0	28	
N. by W.	0·5	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5	29	
N. N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	30	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	31	

OCTOBER.

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
NOVEMBER.	1	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2	—	0·0
	2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.W. by W.	0·2
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	5	—	0·0	—	0·0	—	0·0	N. W.	0·2	W. by S.	0·5	N. by W.	1·0
	6	—	0·0	—	0·0	—	0·0	N. N. W.	0·2	N. W.	2·5	N. W.	2·0
	7	E. by N.	0·2	—	0·0	—	0·0	—	0·0	E.	0·2	—	0·0
	8	—	0·0	—	0·0	—	0·0	N. W.	0·2	N. W.	0·2	N. W.	0·2
	9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	12	E.	1·5	E.	2·5	E.	1·5	E.	0·2	E.	0·2	—	0·0
	13	—	0·0	—	0·0	W. N. W.	0·5	W. N. W.	2·5	W. by N.	3·5	W. by N.	2·0
	14	—	0·0	—	0·0	—	0·0	W.	0·2	W.	0·5	W.	1·0
	15	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	16	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	W. N. W.	2·0	W. N. W.	1·0	W. N. W.	2·0	N. W.	2·5	N. W.	3·5	N. W. by N.	2·0
	19	—	0·0	—	0·0	—	0·0	W. by S.	0·2	W. S. W.	0·2	W. S. W.	0·2
	20	—	0·0	—	0·0	W.	0·2	—	0·0	—	0·0	—	0·0
	21	—	0·0	—	0·0	—	0·0	—	0·0	E.	0·2	E.	0·2
	22	—	0·0	S. S. E.	0·2	S. E.	0·2	S. E.	0·2	E. by S.	0·5	E. by S.	0·2
	23	S. S. W.	2·5	S. S. W.	0·2	S. S. W.	0·5	S. S. W.	2·5	S. W.	2·0	S. W.	1·5
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	N. W.	3·0	N. W.	3·0	N. W.	3·0	N. W.	4·5	W. N. W.	5·0	N. W.	5·0
	26	—	0·0	S.	1·0	S. S. E.	2·5	S. S. E.	3·5	S. S. E.	3·0	S. S. E.	2·0
	27	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. by E.	0·5	N. by W.	0·5	N. N. W.	0·2
	28	E. by S.	0·5	E. by S.	0·5	N. E.	1·0	N. E.	0·5	N. E.	0·5	N. E.	0·5
	29	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	30	S.	0·2	S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	31	—	—	—	—	—	—	—	—	—	—	—	—

		12h.		13h.		14h.		15h.		16h.		17h.	
NOVEMBER.	1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	S. by E.	0·2	S. by E.	0·2	S.	0·2	S.	0·2	S.	0·2	—	0·0
	5	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	—	0·0	—	0·0	—	0·0
	6	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	7	—	0·0	—	0·0	—	0·0	N. by E.	0·2	N. by W.	0·2	N. by W.	0·2
	8	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	9	—	0·0	—	0·0	—	0·0	N. W.	0·2	N. W.	0·2	N. W.	0·2
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	12	—	0·0	—	0·0	W.	0·5	W. N. W.	0·5	W. N. W.	0·5	W. N. W.	0·5
	13	W.	0·5	—	0·0	W.	0·2	W.	0·5	W.	0·5	W.	0·5
	14	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	15	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	16	—	0·0	—	0·0	—	0·0	S. E.	0·2	S. E.	0·2	S. E.	0·2
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	—	0·0	—	0·0	—	0·0
	19	S. W. by S.	1·0	S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	20	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	21	S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2	—	0·0	—	0·0	—	0·0
	22	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	23	W. S. W.	2·0	W. by N.	5·0	W. by N.	4·0	W. N. W.	3·5	W. N. W.	2·5	W. by N.	2·5
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	26	S. W. by W.	1·0	S. W. by W.	0·5	W. N. W.	2·0	W. by N.	3·0	W.	3·0	W. N. W.	2·5
	27	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. N. W.	0·2
	28	N. E.	0·5	N. E.	0·5	N. E.	0·5	—	0·0	—	0·0	—	0·0
	29	S. E.	0·2	S. E.	0·2	S. E.	0·2	—	0·0	—	0·0	—	0·0
	30	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	31	—	—	—	—	—	—	—	—	—	—	—	—

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1	
S. W.	0·5	S. W.	0·2	S. W.	0·5	S. W.	0·2	—	0·0	—	0·0	2	
—	—	—	—	—	—	—	—	—	—	—	—	3	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. by E.	0·2	4	
N. N. W.	0·5	S. W. by W.	0·5	S. W. by W.	0·2	—	0·0	N. N. W.	0·2	N. N. W.	0·2	5	
N. W.	2·0	N. W.	1·5	N. W.	1·0	N. W.	0·5	N. W.	0·2	N. W.	0·2	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
N. W.	0·2	N. W.	0·0	—	0·0	—	0·0	—	0·0	—	0 0	8	
—	0·0	—	0·0	—	0·0	N. W. by W.	0·2	—	0·0	N. W.	0·2	9	
—	—	—	—	—	—	—	—	—	—	—	—	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11	
—	0·0	—	0·0	—	0·0	—	0·0	N. E.	0·2	—	0·0	12	
W. by N.	2·0	W.	2·5	W.	2·0	W.	1·5	W.	0·5	—	0·0	13	
W. by N.	0·5	W. by N.	0·2	W.	0·2	W.	0·5	—	0·0	—	0·0	14	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	15	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	16	NOVEMBER.
—	—	—	—	—	—	—	—	—	—	—	—	17	
N. W.	1·5	N. W.	2·5	N. W.	1·5	N. N. W.	1·5	N. N. W.	2·5	N. N. W.	1·0	18	
S. S. W.	3·0	S. W.	1·0	S. W.	1·0	S. W.	3·5	S. W.	4·0	S. W. by S.	2·5	19	
—	0·0	—	0·0	S. W.	0·2	—	0·0	—	0·0	—	0·0	20	
E.	0·2	E.	0·2	E.	0·2	E. by S.	0·2	E. by	0·2	E. by S.	0·2	21	
E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	E. by S.	0·2	—	0·0	22	
S. W. by W.	3·5	W. S. W.	5·5	W. S. W.	5·0	W. S. W.	3·5	W. S. W.	1·0	W. S. W.	1·0	23	
—	—	—	—	—	—	—	—	—	—	—	—	24	
N. W.	4·5	N. W.	5·0	N. W.	3·0	N. W.	2·0	W. N. W.	0·5	N. W.	0·5	25	
S. S. E.	2·0	S. by W.	2·0	S. S. W.	2·5	S. W.	2·0	S. W.	1·5	S. W.	1·5	26	
N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	—	0·0	—	0·0	—	0·0	27	
N. E.	0·5	N. E.	0·5	N. E.	0·5	N. E.	0·5	N. E.	0·5	N. E.	0·5	28	
N. E.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	29	
S.	0·2	S.	0·2	S.	0·2	—	0·0	—	0·0	—	0·0	30	
—	—	—	—	—	—	—	—	—	—	—	—	31	

18h.		19h.		20h.		21h.		22h.		23h.			
—	0·0	—	0·0	—	0·0	—	0·0	—	0,0	—	0·0	1	
—	—	—	—	—	—	—	—	—	—	—	—	2	
N. N. E.	0·5	N. N. E.	0·5	N. N. E.	0·5	N. N. E.	0·5	N. N. E.	0·2	—	0·0	3	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	4	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·2	—	0·2	5	
—	0·0	—	0·0	E. S. E.	0·5	E.	0·5	E.	0·5	E.	0·2	6	
N. N. W.	0·2	N. W.	0·5	N. W.	0·5	N. W. by W.	0·5	N. W. by W.	0·5	—	0·0	7	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	8	
—	—	—	—	—	—	—	—	—	—	—	—	9	
E.	0·2	E.	0·2	E.	0·2	E.	0·2	E.	0·2	E.	0·5	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	1·0	E.	1·5	11	
W. N. W.	0·2	W. N. W.	0·2	—	0·0	—	0·0	E.	0·0	—	0·0	12	
W.	0·5	W.	0·5	W.	0·2	W.	0·2	W.	0·2	—	0·0	13	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	14	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	15	
—	—	—	—	—	—	—	—	—	—	—	—	16	NOVEMBER.
W.	3·0	W.	3·5	W. N. W	3·5	W. N. W.	4·5	N. N. W.	3·5	W. N. W.	3·0	17	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	18	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0 0	19	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	20	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. S. W.	1·0	22	
—	—	—	—	—	—	—	—	—	—	—	—	23	
N. W.	2·0	N. W.	1·5	N. W.	2·0	N. W.	2·5	N. W.	2·5	N. W.	4·5	24	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	25	
W. by N.	2·0	W. by N.	3·0	W. by N.	2·5	W. N. W.	2·5	N. W.	2·5	N. W.	1·0	26	
N. N. W.	0·2	N. N. W.	0·2	N. N. E.	0·5	—	0·0	E.	0·5	E. by S.	0·5	27	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28	
—	0·0	S. E. by S.	0·5	S. S. E.	0·2	S. E. by S.	0·2	S.	0·2	S.	0·2	29	
—	—	—	—	—	—	—	—	—	—	—	—	30	
—	0·0	—	0·0	—	0·0	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	31	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
DECEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·2	N. N. W.	1·0	N. N. W.	1·0	N. by W.	0.5
	3	—	0·0	—	0·0	—	0·0	E. S. E.	0·2	E. S. E.	0·2	S. E.	0·2
	4	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	5	E.	0·5	E.	1·0	E.	0·5	E.	0·4	E.	0·4	E.	0·2
	6	N. E.	0·2	—	0·0	E.	0·2	E.	0·2	E. by N.	0·2	E. by N.	0·2
	7	E.	0·2	E.	0·2	E.	0·2	—	0·0	S. W.	0·2	S. W.	0·4
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	S. W.	0·2	S. W.	0·2	S. W.	0·2	—	0·0	S. W.	0·2	S. W.	0·2
	10	N. W.	0·2	N. E.	0·5	N. N. E.	0·5	N. N. E.	0·5	N. by E.	0·5	N. by E.	0·2
	11	—	0·0	—	0·0	—	0·0	—	0·0	N. E.	0·2	S. E.	0·2
	12	—	0·0	—	0·0	S. E.	0·2	S. S. E.	0·2	S.	0·2	S.	0·5
	13	S.	0·2	S.	0·5	S.	0·5	S.	0·5	S.	1·0	S.	0·2
	14	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	—	0·0	—	0·0	—	0·0	N. W. by N.	0·2	N. W. by N.	0·2	N. by W.	0·2
	17	—	0·0	—	0·0	—	0·0	N. W.	0·2	N. W.	0·2	N. W.	0·2
	18	—	0·0	—	0·0	—	0·0	N. W.	0·2	N. W.	0·2	W.	0·5
	19	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	W.	0·2
	20	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	21	S. S. E.	1·0	S. S. E.	1·0	S. S. E.	1·0	S. S. E.	0·5	S. E.	0·5	S. E.	0·5
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	N. N. W.	5·0	N. N. W.	3·0	N. N. W.	5·0	N.	5·0	N.	5·0	N.	5·0
	24	—	0·0	—	0·0	—	0·0	—	0·0	S. W.	0·2	S. W.	0·2
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	—	0·0	—	0·0	S. W. by W.	0·2	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2
	27	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. by W.	0·2	N.	0·2	N.	0·2
	28	N.	0·2	—	0·0	N.	0·2	—	0·0	—	0·0	E.	0·2
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	E.	0·2	E.	0·2	—	0·0	—	0·0	W. S. W.	0·2	W.	5·0
	31	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·2

		12h.		13h.		14h.		15h.		16h.		17h.	
DECEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	E.	0·2	E.	0·2	E.	0·2	E.	0·2	E.	0·2	—	0·0
	3	E.	0·2	—	0·2	E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2
	4	E.	0·2	E.	0·2	E.	0·2	E.	0·2	E.	0·5	E.	0·5
	5	E.	0·5	E.	0·5	E.	1·0	E.	0·5	E.	0·5	E.	0·2
	6	—	0·0	E.	0·5	E.	1·0	E.	0·2	E.	0·5	E.	0·5
	7	W. S. W.	2·5	W. S. W.	1·0	W. N. W.	4·0	W. N. W.	4·0	N. N. W.	5·0	N. N. W.	3·0
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	10	N.	0·2	N.	0·2	N.	0·2	N.	0·2	N.	0·2	N.	0·2
	11	—	0·0	—	0·0	—	0·0	—	0·0	S. E.	0·2	—	0·0
	12	S.	0·2	S.	0·2	S.	0·2	—	0·0	—	0·0	—	0·0
	13	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	14	W.	1·0	W.	0·2	W.	0·2	W.	0·5	W.	0·5	W.	0·5
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	N. W.	1·0	N. W.	1·0	W. N. W.	1·0	W. N. W.	0·5	W. N. W.	0·5	—	0·0
	17	W.	1·0	W.	1·0	W.	0·5	—	0·0	W. N. W.	0·2	W. N. W.	0·5
	18	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	19	—	0·0	—	0·0	—	0·0	—	0·0	N. N. W.	0·2	—	0·0
	20	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	21	S. E.	0·5	S. E.	0·2	S. E.	0·2	—	0·0	—	0·0	—	0·0
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	N. W.	3·0	N. W.	3·0	N. W.	2·0	N. W.	1·0	N. W.	1·0	N. W.	1·0
	24	S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	N. W.	1·0	N. W.	1·0	N. W.	1·0	N. W.	0·5	N. W.	0·5	—	0·0
	27	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	28	—	0·0	—	0·0	—	0·0	W.	0·2	W.	0·2	W.	0·2
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	W.	1·0	W. by N.	1·0	W. by N.	0·5	W. by N.	5·0	W. by N.	3·0	W. by N.	3·0
	31	—	0·0	S. W.	0·2	—	0·0	—	0·0	—	0·0	N. N. E.	0·2

DIRECTION AND FORCE OF THE WIND.

5h. Wind. Direction.	5h. Wind. Force.	6h. Wind. Direction.	6h. Wind. Force.	7h. Wind. Direction.	7h. Wind. Force.	8h. Wind. Direction.	8h. Wind. Force.	9h. Wind. Direction.	9h. Wind. Force.	10h. Wind. Direction.	10h. Wind. Force.	11h. Wind. Direction.	11h. Wind. Force.	Mean Göttingen Time.	
	lbs.	—	—	—	lbs.	—	lbs.	—	lbs.	—	lbs.	—	lbs.	1	
N. by W.	0·5	N. by W.	0·2	N. by W.	0·2	E. by N.	0·2	E. by N.	0·2	E. by N.	0·5	E. by N.	0·2	2	
S. E.	0·2	S. E.	0·2	S. E.	0·2	E. by S.	0·2	E.	0·2	—	0·0	E.	0·2	3	
—	0·0	E.	0·0	E.	0·2	E. by N.	0·2	E.	0·2	E. N. E.	0·2	E.	0·2	4	
E.	0·2	N. E.	0·4	E.	0·5	E. by N.	0·5	E. by N.	0·5	E. N. E.	0·5	E.	0·5	5	
E.	0·2	E. by N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	6	
S. W.	0·4	S. W.	0·0	S. W.	1·5	S. W.	2·0	S. W.	2·0	S. W.	1·0	W. S. W.	5·0	7	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	8	
S. W.	0·2	S. W.	0·2	S. W.	0·2	S. W.	0·2	S. W.	0·2	—	0·0	—	0·0	9	
N. by E.	0·2	N.	0·2	N. N. E.	0·2	E. N. E.	0·5	N. N. E.	0·2	N.	0·2	N.	0·2	10	
S. E.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	S.	0·2	—	0·0	—	0·0	11	
S.	0·5	S.	0·5	S.	0·2	S.	0·2	—	0·0	S.	0·2	—	0·2	12	
S.	0·5	S.	0·2	—	0·0	S.	0·2	—	0·0	—	0·0	—	0·0	13	
N. by W.	0·2	W.	0·2	W. by S.	0·5	W. by S.	0·2	W. by S.	0·2	W. by S.	0·2	W. by S.	0·2	14	DECEMBER.
—	—	—	—	—	—	—	—	—	—	—	—	—	—	15	
N. by W.	0·2	N.	0·2	N.	1·0	N.	0·2	N. N. W.	0·2	N. W.	1·0	N. W.	1·0	16	
N. W.	0·2	—	0·0	N. W.	0·2	N. W.	0·5	W. N. W.	0·5	W. N. W.	0·5	—	0·0	17	
W.	0·5	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2	—	0·0	18	
W.	0·2	W.	0·2	—	0·0	—	0·0	S. W.	0·2	—	0·0	—	0·0	19	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	20	
S. E.	0·5	S. E.	1·0	S. E.	0·5	S. E.	0·5	E. S. E.	1·0	E. S. E.	1·0	S. E.	0·5	21	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	22	
N.	5·0	N. N. W.	5·0	N. N. W.	5·0	N. N. W.	5·0	N. W.	3·0	N. W.	5·0	N. W.	4·0	23	
S. W.	0·2	S. W.	0·2	S. W. by S.	0·2	S. W. by S.	0·2	—	0·0	—	0·0	—	0·0	24	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	25	
W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2	N. W.	0·5	N. W.	0·5	N. N. W.	0·2	N. W.	0·5	26	
N.	0·2	N.	0·2	N.	0·5	N.	0·2	N.	0·2	N.	0·2	—	0·0	27	
E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2	28	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	29	
W.	5·0	W. S. W.	5·0	W. S. W.	3·0	W.	1·0	W.	1·0	W.	1·5	W.	2·0	30	
—	0·2	S. W.	0·2	S. W.	0·2	S. W.	0·2	S. by W	0·2	S. by W.	0·2	—	0·0	31	

17h. Wind. Direction.	17h. Wind. Force.	18h. Wind. Direction.	18h. Wind. Force.	19h. Wind. Direction.	19h. Wind. Force.	20h. Wind. Direction.	20h. Wind. Force.	21h. Wind. Direction.	21h. Wind. Force.	22h. Wind. Direction.	22h. Wind. Force.	23h. Wind. Direction.	23h. Wind. Force.	Mean Göttingen Time.	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	
—	0·0	E. S. E.	0·2	E. by N.	0·5	E. by N.	0·5	E. by N.	0·5	E. by N.	0·2	—	0·0	2	
E. S. E.	0·2	E. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	3	
E.	0·5	E.	0·5	E.	0·5	—	0·0	E.	0·5	E.	0·5	E.	0·5	4	
E.	0·2	E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	5	
E.	0·5	E.	0·5	E.	0·2	E.	0·2	E.	0·2	E.	0·2	E.	0·2	6	
N. N. W.	3·0	—	—	—	—	—	—	—	—	—	—	—	—	7	
—	—	S. W.	0·2	S. W.	0·2	W. S. W.	0·2	W. S. W.	0·5	S. W.	0·5	—	0·0	8	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	9	
N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2	12	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	13	
W.	0·5	—	—	—	—	—	—	—	—	—	—	—	—	14	
—	—	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	15	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	16	
W. N. W.	0·5	N. W.	0·5	N. N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	17	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	18	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. E.	0·5	20	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	21	
N. W.	0·5	N. W.	0·5	N. W.	1·0	N.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·2	22	
N. W.	1·0	N. W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	23	
—	0·0	—	—	—	—	—	—	—	—	—	—	—	—	24	
—	—	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	25	
—	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. N. W.	0·2	26	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	27	
W.	0·2	—	—	—	—	—	—	—	—	—	—	—	—	28	
—	—	S. E.	0·5	E. S. E.	0·5	E. S. E.	1·0	E. S. E.	1·0	E.	0·2	E.	0·2	29	
W. by N.	3·0	W. by N.	0·2	W.	0·2	W.	0·2	W.	0·2	W.	0·2	—	0·0	30	
N. N. E.	0·2	N. N. E.	0·2	—	0·0	—	0·0	W. by S.	0·2	W.	0·5	W. N. W.	0·5		

TORONTO, 1844.

METEOROLOGICAL JOURNAL.

OBSERVATIONS OF THE AURORA AT TIMES WHEN THE MAGNETOMETERS WERE CONSIDERABLY DISTURBED.

Toronto Mean Time, Astronomical Reckoning.	Weather and Phenomena.	Moon's Age at Mean Noon.
MARCH.		
D. H. M.		D.
7 9 00	Clear and unclouded; bank of Auroral light in N., altitude about 5°, and a few faint streamers issuing from it	17·9
10 00	Clear and unclouded; bank of auroral light in N., altitude about 7°. No streamers.	—
MAY.		
14 9 00	Haze in S. horizon; otherwise clear; auroral light in N., with streamers issuing from it	26·6
10 00	Haze round horizon; otherwise clear; auroral light almost entirely disappeared	4·9
22 7 00	Unclouded; light haze round horizon; fair	4·9
8 00	Unclouded; light haze round horizon; fair	—
9 00	Clear and unclouded	—
10 00	Clear and unclouded	—
20	Bank of auroral light in N., with streamers and patches	—
11 00	Clear and unclouded; auroral light in N., an arch of small streamers extending from N.W. to N.E.; altitude of highest part about 40°; length of streamers in centre of arch about 1° 30'; getting gradually shorter towards each extremity	—
12 00	Clear and unclouded; a faint auroral light in N.	—
13 00	Quite clear; a low and very faint bank of auroral light in N.	—
AUGUST.		
29 9 00	Unclouded, save low bank of cir.-strat. in S.E. horizon	15·2
10	Sudden appearance of an aurora; moderately bright streamers and patches	—
9 30	Aurora totally disappeared	—
40	No aurora visible; sky clear save a low bank of cir.-strat. in S.E. horizon	—
10 00	Clear save a few cir.-strat. in S.W. and S.E. horizon	—
10	Very faint auroral light in N.; low bank of strat. in W.	—
15	A number of small streamers or fragments of streamers appearing about 10° N. of zenith	—
20	No traces of the aurora; sheet of cir.-strat. rising in N.W. horizon	—

Toronto Mean Time, Astronomical Reckoning.	Weather and Phenomena.
AUGUST.	
D. H. M.	
29 10 25	·2 of the sky overcast with cir.-cum. in N.W.; otherwise clear. No auroral light
SEPTEMBER.	
14 9 00	Clear and unclouded; bank of auroral light in N., with patches and streamers issuing from it, burst out very suddenly
10 00	Clear and unclouded; no appearance of auroral light remaining
30 13 00	Clear and unclouded; auroral light in N.; patches; bank and streamers resting upon a low arch of light, extending from N.E. to N.W.
20	Auroral light in N.; bright streamers, altitude 45°
30	Faint auroral light and streamers in N.
40	Bright streamers in N. and N. W., altitude 60°
50	Faint light and streamers
14 00	Clear arch of light in N., altitude of centre 15°
10	Arch of light as before; no streamers visible
35	Perfectly clear; no aurora visible
15 00	Clear and unclouded; bank of light in N.
40	Bright arch of light in N.; altitude of centre about 20°
16 00	Clear; auroral light totally disappeared
17 00	Clear and unclouded
OCTOBER.	
20 12 00	Cir. and cir.-strat., dispersed auroral light in N.
40	Aurora very bright, shooting up streamers to altitude of 45°; bright bank in N. horizon; waves rising in succession from horizon and reaching to zenith
13 00	Bright bank of auroral light in N. horizon, with streamers and patches
30	Bright bank of auroral light in N., with streamers; rays reaching to zenith
14 00	Faint auroral light in N.; streaky light cir. in ridges stretching from E. to W.

Weather and Phenomena.	Excess of Cloudy Sky.				Max. Therm.	Min. Therm.	Rain.	Terr. Rad.
	3h.	9h.	15h.	21h.				
JANUARY.					°	°	In.	°
Clouded from 12h to 17h, with cir.-cum. and haze; remainder of day clear	0·2	0·3	1·0	1·0	32·4	22·5	—	—
Densely clouded all day with cir.-cum., cir.-strat., and haze; slight rain from 6h to 23h	1·0	1·0	1·0	1·0	31·5	20·7	0·27	14·6
Rain to 0h; clouded; snow at 0h, which continued to fall the greater part of the day	1·0	1·0	1·0	1·0	36·9	30·5	0·14	29·4
Brisk wind; snow drifting; magnetic disturbance	0·9	1·0	1·0	0·4	36·9	24·4	—	23·4
Partially clouded till 7h; remainder of the day clouded with cir.-cum., cir.-strat., and haze	0·2	1·0	1·0	1·0	25·3	19·4	—	17·1
Densely clouded all day; snow at 11h, which continued to fall till 17h	1·0	1·0	—	1·0	26·2	16·1	—	8·0
Clouded all day with cir.-cum. and cir.-strat.; snow from 3h to 6h	1·0	—	1·0	1·0	31·9	25·7	—	24·4
Clouded all day with cir.-cum. and haze	1·0	0·7	1·0	1·0	33·9	11·9	—	8·3
Clouded with dense cir.-cum. and haze; snow from 0h 30m to 8h	1·0	1·0	1·0	1·0	22·2	9·1	—	1·0
Clear and clouded alternately; quite clear at 7h, 8h, 17h, 19h, and 20h	0·7	1·0	0·9	1·0	28·9	21·2	—	20·1
Clouded with cir.-cum. and haze; rain at 19h and 20h	1·0	1·0	1·0	1·0	29·9	−0·7	—	−5·5
Rain from 7h to 16h 45m; followed by a heavy gale from W. by N.	1·0	1·0	1·0	1·0	32·9	8·1	1·42	7·3
Gale continued till 2h; sky clouded, with cum.-strat. and cir.-cum.	1·0	1·0	—	1·0	41·2	31·9	—	31·4
Clouded till 12h, with cir.-cum. and cum.-strat; clear.	1·0	—	0·0	0·1	32·7	19·1	—	11·8
Clear to 0h; clouded with cum.-strat. and cir.-strat.; rain from 13h to 17h	1·0	1·0	1·0	1·0	31·9	21·2	0·44	12·6
Clouded; rain continued till 20h	1·0	1·0	0·9	1·0	35·7	30·7	—	26·4
Overcast; dense haze; slight snow from 11h to 13h with brisk wind	1·0	1·0	1·0	0·8	42·0	30·2	—	23·4
Clear and clouded alternately; cir.-cum., cum.-strat., and haze	0·7	1·0	0·5	1·0	30·7	22·7	—	17·6
Clouded till 7h; cir.-cum. and cir.-strat.; slight snow from 21h to 22h	1·0	0·0	0·0	1·0	30·2	15·9	—	7·8
Clouded from 0h to 5h; cir.-strat. and haze; snow from 9h to 23h	0·8	1·0	—	1·0	21·7	5·1	—	2·8
Snowing at 0h; remainder of day densely overcast	1·0	—	1·0	1·0	16·7	6·6	—	7·8
Densely clouded all day; rain from 10h to 17h, freezing as it falls; rain ceased at 21h	1·0	1·0	1·0	1·0	16·2	9·6	0·74	9·8
Clouded and clear alternately	0·5	0·1	1·0	1·0	37·7	14·4	—	10·3
Cloudy till 5h, cir.-cum. and cir.-strat.; occasional showers of snow; auroral light in N. at 11h	1·0	0·5	1·0	1·0	45·3	26·7	—	16·6
Clear to 7h; solar halo at 1h, diam. about 35°; lunar halo from 6h to 10h, diam. increasing from 30° to 45°; clouded from 20h to 23h	0·7	0·2	0·0	1·0	28·7	−4·2	—	−3·0
Sky mostly clear; solar halo from 22h to 1h, diam. about 30° (perfect)	0·4	0·1	0·0	0·0	5·9	−5·2	—	−9·0
Nearly clear to 11h; lunar halo at 10h and 11h, diam. between 30° and 45°	0·1	0·1	—	1·0	8·4	−7·2	—	−13·0
Clouded; snowing heavily till noon; remainder of day mostly clear	0·2	—	0·1	1·0	9·3	−4·7	—	−6·0
Clouded; clear at 2h and 3h; cir.-cum. and haze; snow from 7h to 17h	0·3	1·0	1·0	1·0	15·7	−3·7	—	−10·5
Ceased snowing at 6h; clouded and partially clear alternately for the remainder of the day	1·0	1·0	0·1	0·1	11·7	−2·0	—	−11·5
Clouded at 7h, 8h, and 9h; remainder of day mostly clear; lunar halo at 6h, 7h, 8h, and 9h	0·1	1·0	0·5	1·0	18·2	−2·7	—	−11·5
FEBRUARY.								
Clouded all day, cir., cir.-cum. and haze; snow from 4h to 8h 45m	1·0	1·0	1·0	1·0	13·7	0·6	—	−3·0
Clouded from 13h to 17h; cir.-strat., cir.-cum., and haze, clear	0·4	0·3	1·0	0·1	25·2	8·1	—	7·8
Clear; very high wind	0·0	0·0	—	1·0	30·2	10·1	—	5·8
Snow from 12h to 23h	1·0	—	1·0	1·0	27·7	10·1	—	4·8
Snow to 1h; densely clouded cir.-cum. and haze; slight rain	1·0	1·0	1·0	1·0	32·5	19·9	—	15·6
Clouded to 8h; cir.-cum. and haze; clear; snow from 18h to 23h	1·0	0·1	0·1	0·2	46·1	32·5	—	31·9
Snow to 2h; clouded cir.-cum. and haze; clear spaces occasionally	1·0	1·0	1·0	0·5	37·9	13·4	—	5·8
Clear to 1h; clouded cir.-cum. and cir.-strat.; slight snow at 6h	1·0	1·0	0·6	0·3	30·7	16·1	—	11·8
Clouded; cir.-cum., cir.-strat., and haze; clear at 10h	0·1	0·2	1·0	1·0	30·7	8·6	—	4·3
Clouded till 4h; cir.-cum., cir.-strat., and haze; remainder but partially clouded	1·0	0·6	—	1·0	19·2	4.1	—	−2·5
Clouded from 12h to 17h; remainder of the day cir.-strat. and cum.-strat.	1·0	—	0·2	0·0	29·9	10·6	—	−2·5
Clear till 3h; afterwards clouded with cir.-strat. and haze	0·2	1·0	1·0	1·0	30·4	13·4	—	4·8
Clouded; cir.-cum., and haze; heavy snow from 19h 45m to 20h 10m; squally.	1·0	1·0	1·0	1·0	34·4	22·7	—	21·6
Partially clear to 13h; afterwards clouded, with cir. and haze	0·7	1·0	1·0	1·0	39·9	20·7	—	15·1
Clouded all day with dense haze; slight snow from 2h to 9h, and 20h to 21h	1·0	1·0	1·0	1·0	31·3	14·9	—	7·8
Snow from 8h to 9h; clouded to 20h	1·0	0·8	1·0	0·6	32·9	27·7	—	26·4
Clouded; cir.-cum. and cum.-strat.; afterwards mostly clear	0·1	0·0	—	1·0	35·9	19·9	—	16·6
Cloudless, but hazy	1·0	—	0·0	0·0	25·2	1·6	—	−7·0
Generally clear; clouded from 6h to 8h; from 12h to 17h cir., cir.-cum., and haze	0·4	0·0	0·0	0·7	30·4	15·9	—	16·6
Clear at 10h and 11h; clouded from 15h to 20h; solar halo at 22h, diam. about 40°	0·7	0·4	1·0	0·8	40·4	30·2	—	24·4
Clouded from 2h to 7h and from 12h to 13h; remainder of day almost clear	1·0	0·8	0·1	0·0	44·4	32·2	—	26·9

Day.	Weather and Phenomena.	Extent of Cloudy Sky.				Max. Therm.	Min. Therm.	Rain.
		3h.	9h.	15h.	21h.			
	FEBRUARY.					°	°	In.
22	Generally clear; lunar halo at 7h, 8h, and 9h, diam. about 45°; clouded from 11h	0·0	0·1	0·4	1·0	41·9	28·5	—
23	Snowing from 0h to 11h	1·0	1·0	0·0	0·0	47·9	27·2	—
24	Generally clear to 15h	0·1	0·0	—	0·0	33·4	8·6	—
25	Clouded; cir.-cum. and haze	0·8	—	0·5	0·5	25·2	10·1	—
26	Partially clouded to 1h; remaindar of day cir.-cum., cir.-strat., and haze; rain from 5h to 12h; clouded to 21h	1·0	1·0	1·0	0·9	32·9	20·7	0·42
27	Cir.-cum., cum.-strat., and haze; remainder of day clear	0·1	0·0	0·0	0·0	41·9	30·7	—
28	Clouded with cir.-cum. and cir.-strat.; lunar halo from 5h to 9h; magnetic disturbance; rain at 19h	1·0	1·0	1·0	1·0	35·4	22·5	—
29	Rain continued from last observation to 1h	1·0	1·0	1·0	1·0	36·9	29·7	0·02
	MARCH.							
1	Drizzling rain to 3h; clouded to 7h; afterwards clear	1·0	1·0	1·0	1·0	42·9	35·2	0·05
2	Nearly clear; auroral light in N. from 10h to 11h	0·6	0·1	—	—	49·8	35·2	—
3	Clouded all day; snowing; cleared up at 17h	—	—	1·0	0·0	41·4	22·3	—
4	Generally clear	0·0	0·0	0·1	0·0	32 4	15·9	—
5	Clouded with cir.-strat. and cum.-strat.; clear at 17h; solar halo at 23h, diam. 45°	0·6	1·0	1·0	0·5	26·7	9·6	—
6	Solar halo at 1h, diam. 30°; haze from 6h to 15h	0·9	1·0	1·0	1·0	38·5	21·7	—
7	Cir. and haze; auroral light from 9h to 11h; rain at 23h	0·5	0·0	0·0	1·0	39·9	28·7	—
8	Rain from 0h to 3h	1·0	1·0	1·0	0·5	45·4	29·2	0·35
9	Clouded with detached cir.-cum; cloudless at 8h, 9h, and 10h; auroral light in N. at 11h	0·9	0·0	—	—	43·4	29·7	—
10	Generally cloudless	—	—	0·1	0·0	36·4	22·7	—
11	In general clear to 7h; afterwards clouded; slight rain at 20h	0·0	1·0	1·0	1·0	44·9	28·7	—
12	Rain; densely overcast	1·0	1·0	1·0	1·0	50·8	35·2	0·73
13	Clouded; cum.-strat., cir.-cum., and haze; clear from 9h to 14h; clouded at 22h	1·0	0·2	0·5	1·0	45·1	38·7	—
14	Clouded with light cir.; snow at 19h	0·3	0·1	0·8	1·0	47·4	28·2	—
15	Snow from 0h to 3h; thence rain, which continued throughout the day	1·0	1·0	1·0	1·0	35·7	27·7	0·29
16	Rain continues; from 4h to 21h clear	1·0	0·0	—	—	36·4	30·2	0·08
17	Generally clouded; slight rain from 4h to 9h	—	—	1·0	1·0	39·4	24·7	0·25
18	Clouded all day; cir.-cum. and cir.-strat.; snow from 19h to 20h	1·0	1·0	0·8	1·0	42·4	16·4	—
19	Clouded all day; cir.-cum. and haze; snow from 3h to 18h	1·0	1·0	1·0	1·0	22·7	13·9	—
20	Snow from 0h to 11h	1·0	1·0	0·0	0·1	34·9	22·2	—
21	Clouded, with cir.-cum. and cum.-strat. to 18h	0·2	1·0	1·0	1·0	31·4	13·6	—
22	Clouded from 0h to 3h; cir.-cum. and cum.-strat.; snow from 18h to 21h	1·0	0·1	0·0	0·0	30·2	22·2	—
23	Cloudless; clouded at 21h	0·0	0·1	—	—	34·4	19·9	—
24	Clear; clouded from 15h to 17h with cir.-cum. and haze	—	—	0·0	0·5	38·4	22·2	—
25	Clear patches; overcast; cir.-cum. and haze	0·1	0·1	1·0	1·0	46·4	36·2	—
26	Rain from 8h to 17h; clouded; cir.-cum. and haze	1·0	1·0	1·0	1·0	50·8	30·2	0·12
27	Clouded; cir.-strat. and haze; rain from 11h to 20h	1·0	1·0	1·0	1·0	50·8	31·2	0·26
28	Rain from last observation to 5h; slight snow from 14h to 16h	1·0	1·0	1·0	0·4	40·9	30·7	0·36
29	Clouded; cir.-cum., cir.-strat., and haze; constant snow from 12h to 17h; clouded at 18h	1·0	1·0	1·0	1·0	45·9	22·7	—
30	Clouded from 0h to 4h; clear; snow from 18h to 23h	0·7	0·1	—	—	34·4	19·7	—
31	Snow from 0h to 2h; generally clear to 18h	—	—	0·3	0·0	27·9	10·9	—
	APRIL.							
1	Clear from 0h to 4h; remainder of the day cloudy; lunar halo at 0h	0·0	0·5	1·0	0·5	33·9	14·9	—
2	Partially clouded from 0h to 5h; clouded; cir.-strat. and cir.-cum.	0·3	1·0	1·0	0·5	40·4	31·2	—
3	Partially clouded to 11h; clouded; cir., cir.-strat., and cir.-cum.	0·4	0·3	1·0	1·0	49·8	35·7	—
4	Clouded all day; cir.-cum. and cir.-strat.; dropping rain occasionally; sheet lightning in N.W. at 10h	1·0	1·0	—	—	69·0	43·7	—
5	Clouded all day, except at 3h and 12h, then with cir.-strat. and cir.-cum.	—	—	1·0	1·0	64·5	41·7	—
6	Clouded all day; cir. and haze; rain fell between 20h and 22h	1·0	0·2	—	—	47·4	34·7	0·18
7	Clouded to 3h with cir.-cum. and haze; afterwards mostly clear; sheet lightning in N. and N.W. at 12h	—	—	0·0	1·0	44·4	37·2	—
8	Clouded to 6h; cir.-cum. and cum.; rain at 22h; thunder in W.; sheet lightning alternately	0·8	0·8	0·1	0·0	55·3	34·7	0·16
9	Quite clear, except haze on horizon	0·0	0·0	0·0	0·0	69·8	41·2	—
10	Mostly clear all day	0·0	0·1	0·0	1·0	62·0	35·2	—
11	Overcast to 8h with cir.-strat. and haze; afterwards clear	0·8	0·5	0·0	0·0	68·0	38·7	—
12	Clear all day	0·0	0·0	0·0	0·0	65·5	41·2	—
13	Clear all day	0·0	0·0	—	—	70·3	43·2	—

Day.	Weather and Phenomena.	Extent of Cloudy Sky. 3h.	9h.	15h.	21h.	Max. Therm.	Min. Therm.	Rain.	Terr. Rad.
	APRIL.					°	°	In.	°
14	Forenoon clear; afterwards clouded; rain from 15h to 17h	—	—	1·0	1·0	72·8	45·7	0·14	29·9
15	Clouded all day; cir.-cum. and haze; dropping rain occasionally	1·0	0·6	1·0	1·0	73·0	54·5	0·02	52·0
16	Clouded; cir.-cum. and cir.-strat.; auroral light; rain from 14h to 16h	1·0	1·0	1·0	0·9	62·0	44·2	0·09	42·0
17	Clear; auroral light at 8h; frost	0·1	0·0	0·0	0·0	61·5	37·7	—	33·6
18	Quite clear; frost at 17h	0·0	0·0	0·0	0·0	50·5	30·7	—	23·4
19	Clear, with little exception, all day	0·0	0·1	0·0	0·0	49·3	28·2	—	20·6
20	The same to 21h, then clouded	0·1	0·1	—	—	58·7	33·7	—	28·4
21	Clouded, with cir.-cum., cir.-strat., and haze	—	—	1·0	1·0	60·0	37·7	—	29·4
22	Clouded, cir.-strat. and haze; rain at intervals	1·0	1·0	1·0	1·0	62·2	49·7	0·12	47·0
23	Clouded; thunder-storms and rain from 3h to 4h, at 10h 10m to 10h 50m; 12h and 15h; sheet lightning in N.W., N., and N.E.	1·0	0·0	0·8	0·5	53·8	45·5	0·39	42·1
24	Clouded from 8h to 11h; cir.-cum. and cum.-strat.; clear from 12h to 21h	0·5	0·1	0·0	0·0	68·0	48·5	—	—
25	Clouded; cir., cir.-strat., and haze; solar halo at 1h; diam. about 35°; rain from 18h to 23h	1·0	1·0	1·0	1·0	74·6	38·7	0·32	—
26	Rain from 0h to 10h; clouded; cir.-cum. and haze	0·1	0·1	0·7	0·7	60·5	45·2	0·11	—
27	Partially clear to 2h; cir.-cum. and haze generally; afterwards clear	0·2	0·0	—	—	49·4	34·2	—	—
28	Mostly clear all day	—	—	0·0	0·0	48·4	27·7	—	—
29	Clear all day with little exception; lunar halo at 11h, 12h, and 15h	0·0	0·0	0·4	1·0	58·3	34·7	—	—
30	Clouded; cir.-cum. and cir.-strat; solar halo at 19h and 20h; diam. about 45°; disappeared at 22h	0·8	0·7	1·0	1·0	65·5	35·2	—	—
	MAY.								
1	Clouded all day with cir.-cum. and haze; rain from 9h to 12h; sheet lightning at 12h	1·0	1·0	1·0	0·0	66·5	49·7	0·32	—
2	Clear from 0h to 2h; clouded; heavy rain and thunder from 8h to 12h	0·3	1·0	0·4	1·0	68·5	50·5	0·28	—
3	Clouded, cir.-cum. and cum.-strat.; thunder at intervals; heavy thunder-storm at 9h; rain	1·0	1·0	0·1	1·0	72·8	47·7	0·39	—
4	Clouded all day; cum. and cir.-cum.; showers of rain	1·0	1·0	—	—	70·6	45·5	0·05	—
5	Morning clear; remainder of day clouded; cum. and cir.-cum.; rain from 20h to 22h	—	—	0·9	1·0	58·8	45·7	0·20	—
6	Rain from 4h to 13h	0·9	0·8	0·9	0·8	65·0	46·2	0·33	—
7	Clouded, cir.-cum. and haze; auroral light in N. at 10h; clouded at 22h	0·1	0·0	1·0	1·0	58·3	45·9	—	—
8	Partially clouded till 5h; clear; auroral light in N. at 9h	0·4	0·0	0·0	0·0	72·3	48·2	—	—
9	Generally clear; frost in the morning; solar halo at 19h, diam. 30°	0·3	0·0	0·0	1·0	69·0	42·7	—	—
10	Rain, thunder, and lightning from 12h to 19h	1·0	1·0	1·0	1·0	64·5	32·7	1·19	—
11	Clouded; cir.-cum., cum.-strat., and cir.-strat.; heavy thunder-storm at 6h; rain	1·0	0·7	—	—	59·8	44·2	0·73	—
12	Clouded; frosty morning; afternoon clear	—	—	0·0	1·0	75·8	47·7	—	—
13	Clouded all day; cir.-cum. and haze; slight rain from 5h to 17h	1·0	1·0	1·0	1·0	57·8	33·7	0·19	—
14	Clouded to 2h; cir.-cum. and cum.-strat.; clear, and auroral light in N. from 9h to 11h	0·5	0·0	0·1	0·0	51·8	39·7	—	—
15	Mostly clear till 6h; densely clouded; cir.-cum. and cum.-strat.; rain from 13h to 17h	0·3	1·0	1·0	1·0	64·5	38·7	0·24	—
16	Clouded all day; cir.-strat. and haze; solar halo at 0h; diam. about 30°; slight rain from 6h to 16h	1·0	1·0	1·0	1·0	68·3	49·2	0·06	—
17	Clouded all day; cir.-cum. and cir.-strat.; slight rain from 10h to 15h	1·0	1·0	1·0	0·1	64·9	49·2	0·05	—
18	Clouded from 0h to 4h; cir.-cum. and cum.-strat.; slight showers of rain	0·8	0·0	—	—	62·5	47·2	0·04	—
19	Clear in the morning; remainder of day clouded; cir.-cum. and cir.-strat.	—	—	1·0	1·0	61·0	37·2	—	—
20	Generally clouded; cir.-cum. and cir.-strat.; frost at 17h; slight rain	1·0	1·0	0·0	0·6	57·6	44·7	—	—
21	Clear	0·1	0·0	0·0	0·0	66·0	33·2	—	—
22	Clear all day; auroral light in N. from 11h to 4h	0·0	0·0	0·0	0·0	54·8	28·7	—	—
23	Generally clear all day	0·0	0·4	0·0	0·1	60·5	36·2	—	—
24	Generally clear to 15h, thence clouded with cir.-cum. and haze	0·6	0·0	1·0	1·0	69·8	45·3	—	—
25	Generally clouded; cir.-cum. and haze; forked and sheet lightning at 9h and 10h	1·0	0·9	—	—	72·8	53·5	—	—
26	Mostly clouded; cir.-cum. and haze; clear at 18h, 19h, and 21h	—	—	0·4	0·0	78·4	59·0	—	—
27	Clouded; cir.-cum. and cir.-strat.; showers of rain accompanied by thunder and lightning from 6h to 12h	—	0·8	0·6	0·3	73·8	54·5	0·13	—
28	Clear from 9h to 13h; thence clouded; cir.-cum., cir.-strat., and haze	0·5	0·0	1·0	0·0	72·8	51·5	—	—
29	Clear till 9h; clouded cir. and haze; rain from 10h to 17h	0·0	0·5	1·0	1·0	73·0	46·3	0·95	—
30	Clouded; cir.-cum. and haze; rain with sheet lightning and distant thunder	1·0	1·0	1·0	1·0	67·5	51·0	0·55	—
31	Clouded to 5h; remainder of day nearly clear	0·5	0·0	0·4	0·9	68·2	51·5	—	—
	JUNE.								
1	Clouded all day; cir.-cum. and haze; rain, thunder, and lightning from 11h to 9h	1·0	1·0	—	—	66.3	42·5	0·51	—
2	Generally clouded; cir.-cum. and haze	—	—	1·0	0·2	70·4	50·7	—	—
3	Generally clear; except cir. and haze round horizon	0·1	0·0	0·0	0·1	62·0	54·9	—	—

Day.	Weather and Phenomena.	Extent of Cloudy Sky. 3h.	9h.	15h.	21h.	Max. Therm.	Min. Therm.	Rain.	Tem. Rad.
	JUNE.					°	°	In.	
4	Generally clear till 10h, thence clouded, cir.-strat., cir.-cum., and haze	0·0	0·4	1·0	1·0	65·1	41·2	—	
5	Clouded; cir.-cum., cum.-strat., and cir.-strat.; rain, thunder, and lightning from 4h to 7h; rain from 12h to 17h	0·8	0·3	1·0	0·9	67·5	48·7	0·61	
6	Clouded; cir.-cum., cir.-strat., and haze; clear at 9h, 11h, 12h, and 13h; rain	1·0	0·3	1·0	0·9	72·4	57·1	0·05	
7	Clouded to 2h; cir.-strat. and haze; clear; grass white with frost at 17h	0·2	0·0	0·0	0·0	73·8	51·0	—	
8	Clear to 4h; thence clouded; cir.-strat., cir., and haze; rain	0·0	1·0	—	—	73·8	33·2	0·05	
9	A clear day generally	—	—	0·3	0·2	65·5	49·2	—	
10	Generally clear	0·1	0·0	0·0	0·0	67·1	41·2	—	
11	Solar halo at 21h, 22h, and 23h	0·0	0·2	0·0	0·7	59·6	34·5	—	
12	Clear from 9h to 14h; clouded from 15h to 17h; cir. and haze; solar halo at 1h and 2h	0·7	0·1	1·0	1·0	68·0	41·7	—	
13	Clouded to 8h; cir.-cum. and haze, thence clear	1·0	0·0	0·1	0·0	66·3	46·2	—	
14	Clear to 4h; clouded from 5h to 10h; cir. and haze; clear at 14h and 15h; solar halo at 21h	0·0	1·0	0·0	1·0	70·8	44·2	—	
15	Clouded to 7h; cir. and haze; thence clear; solar halo at 1h, diam. 30o	1·0	0·0	—	—	74·3	50·2	—	
16	Clouded; cir.-cum., cir.-strat., and haze; rain from 16h to 17h	—	—	1·0	1·0	72·3	49·2	0·09	
17	Clouded; cir.-cum. and haze; rain at 0h; sheet lightning at 11h and 12h	1·0	1·0	0·5	0·8	72·0	57·5	—	
18	Clouded; cum.-strat., cum., and cir.-cum.; a few clear spaces, rain at 3h, 22h, and 23h	0·3	0·3	1·0	1·0	76·8	60·0	1·03	
19	Rain; thence mostly clear; clouded at 23h	0·9	0·0	0·2	0·0	83·3	62·0		
20	Clouded from 0h to 7h; cum., cir.-cum., and haze; thence clear; auroral light in N. from 11h to 14h	1·0	0·0	0·2	0·8	78·8	58·5	—	
21	Generally clear, cir.-strat. and cir.-cum. on horizon	0·4	0·1	0·2	1·0	73·7	50·6	—	
22	Solar halo at 3h, diam. 30o; clouded to 8h; cir.-cum., cir.-strat., and haze	1·0	0·0	—	—	71·6	52·5	—	
23	Generally clear; at 16h and 17h clouded with cir.-cum., cir.-strat., and haze	—	—	0·1	0·4	71·8	48·7	—	
24	Clouded; cir.-cum., cum.-strat., and haze; slight rain at 7h	0·9	1·0	1·0	1·0	70·8	52·0	0·03	
25	Clouded all day; cir.-cum., and haze; clearer from 5h to 9h	1·0	0·8	1·0	1·0	77·3	61·0	—	
26	Densely clouded all day, cir.-cum., cum.-strat., and haze; drizzling rain	1·0	1·0	1·0	1·0	81·6	61·6	0·40	
27	Densely clouded; cir.-cum. and haze; rain from 0h to 6h, clear at 20h	1·0	1·0	1·0	0·9	71·2	58·8	0·74	
28	Partially clear to 7h; thence clear to 19h; clouded	0·6	0·0	0·3	0·0	65·3	57·5	—	
29	Clear to 6h; thence clouded, cir.-cum., cum.-strat., and haze	0·1	1·0	—	—	72·3	46·2	—	
30	Clouded; cir.-cum. and haze; slight rain at 12h, 14h, and 15h	—	—	1·0	0·7	75·3	53·5	0·03	
	JULY.								
1	Cloudy to 4h; cum. and cir.-cum., thence clear; rain	0·2	0·0	0·0	0·1	79·8	63·0	0·09	
2	Rainbow at 7h; clouded, cir.-cum., cir.-strat., and haze	0·9	1·0	0·8	0·1	84·9	51·9	—	
3	Clear generally	0·2	0·0	0·0	0·0	79·6	56·0	—	
4	Clear day with the exception of light cir. from 12h to 17h	0·0	0·0	0·4	1·0	71·5	40·1	—	
5	Clouded all day; cir.-cum., cir.-strat., and haze; slight rain from 0h to 5h	1·0	1·0	1·0	0·1	71·0	42·1	0·03	
6	Generally clear; a few light clouds in horizon	0 0	0·0	—	—	76·4	58·7	—	
7	Clear	—	—	0·0	0·3	81·8	52·0	—	
8	Generally clear; faint auroral light at 11h and 12h	0·0	0·0	0·0	0·3	75·6	44·9	—	
9	Clouded; storm of rain, thunder, and lightning, from 10h to 15h	1·0	0·5	0·9	0·6	77·5	53·9	0·09	
10	Cloudy; cir.-cum., cum., and haze; at intervals a few clear spots	0·7	1·0	0·4	0·0	79·8	63·5	—	
11	Unclouded all day	0·0	0·0	0·0	0·7	79·8	59·5	—	
12	Clouded; cum., cir.-cum., and haze; lightning in S.S.W. and S.E., from 11h to 15h; rain at 19h	0·0	0·3	0·7	0·7	80·4	50·9	0·06	
13	Clouded; cir.-cum. and cir.-strat.; sheet lightning at 10h and 11h	0·5	0·3	—	—	82·0	60·6	—	
14	Clouded; cir.-cum., cum.-strat., and cir.-strat.	—	—	0·8	0·9	79·3	57·9	—	
15	Clouded; cir. and haze; rain from 8h to 17h	1·0	1·0	1·0	1·0	86·6	58·1	0·59	
16	Clouded from 6h to 5h; cir.-cum. and cum.-strat.; clear from 8h to 14h	1·0	0·0	0·5	0·0	71·8	59·0	—	
17	Clear	0·2	0·0	0 0	0·1	76·8	54·5	—	
18	Clouded; cir.-cum., cir.-strat., and haze; clear at 13h, 14h, and 15h	0·4	1·0	0·2	1·0	78·0	49·1	—	
19	Clouded to 14h; thence clear	1·0	0·8	0·2	0·2	76·0	61·5	—	
20	Clear; at intervals a few cir.-cum. and cum.-strat.	0·6	0·0	—	—	77·8	55·5	—	
21	Clear	—	—	0·0	0·8	78·4	52·9	—	
22	Clouded; cir.-cum., cum.-strat., and haze; distant thunder in N.W. and N., passing to E.; heavy shower of rain at 7h	0·8	0·9	1·0	0·2	77·8	52·5	0·32	
23	Clouded at 4h, 5h, 6h, 15h, 16h, and 17h; cir.-cum., cum.-strat., and cir.-strat.; slight rain at 17h, 18h, and 21h	0·9	0·9	1·0	1·0	84·8	63·0	0·14	
24	Clouded; cir.-cum., cir.-strat., and haze; rain from 9h to 17h	0·7	1·0	1·0	1·0	78·7	60·8	0·79	
25	Clouded to 3h; cir.-cum., and cir.-strat.; thence clear	1·0	0·2	0·0	1·0	72·6	60·3	—	
26	Clouded to 1h; cir., cir.-strat., and haze; thence clear	0·3	0·0	0·0	0·0	78·4	54·1	—	
27	Clear	0·0	0·0	—	—	76·8	50·5	—	
28	Clear to 12h; partially clouded; cir.-cum. dispersed	—	—	0·5	0·0	76·0	49·0	—	
29	Mostly clear to 6h; clouded; cir.-cum; rain at 20h	0·2	0·8	1·0	1·0	78·8	54·5	—	

Min. Therm.	Rain.	Tem. Rad.
°	In.	°
41·2	—	—
48·7	0·61	—
57·1	0·05	—
51·0	—	—
33·2	0·05	—
49·2	—	—
41·2	—	—
34·5	—	—
41·7	—	—
46·2	—	—
44·2	—	—
50·2	—	—
49·2	0·09	—
57·5	—	—
60·0	1·03	—
62·0		
58·5	—	—
50·6	—	—
52·5	—	—
48·7	—	—
52·0	0·03	—
61·0	—	—
61·6	0·40	—
58·8	0·74	—
57·5	—	—
46·2	—	—
53 5	0·03	—
63·0	0·09	—
51·9	—	—
56·0	—	—
40·1	—	—
42·7	0·03	—
58·7	—	—
52·0	—	—
44·9	—	—
53·9	0·09	—
63·5	—	—
59·5	—	—
50·9	0·06	—
60·6	—	—
57·9	—	—
58·1	0·59	—
59·0	—	—
54·5	—	—
49·1	—	—
61·5	—	—
55·5	—	—
52·9	—	—
52·5	0·32	—
63·0	0·14	—
60·8	0·79	—
60·3	—	—
54·1	—	—
50·5	—	—
49·0	—	—
54·5	—	—

Day.	Weather and Phenomena.	Extent of Cloudy Sky. 3h.	9h.	15h.	21h.	Max. Therm.	Min. Therm.	Rain.	Tem. Rad.
						°	°	In.	°
	JULY.								
30	Clouded; cir.-strat. and cir.-cum; rain 0h to 6h; sheet lightning at 11h, 12h, 13h, 14h, and 15h, in W. and S.W.	1·0	1·0	0·8	0·5	82·6	62·0	0·58	—
31	Clear and clouded alternately; thunder-storm and rain at 6h; sheet lightning in S. and S.W. from 11h to 13h	0·9	1·0	0·4	0·0	80·0	66·7	0·14	—
	AUGUST.								
1	Generally clear; a few light cir.-cum. and cum.-strat.	0·4	0·1	0·5	0·4	86·8	56·0	—[a]	—
2	Clear from 6h to 14h; lunar halo at 15h diam. about 30°	0·6	0·0	0·6	1·0	86·0	54·3	—	—
3	Clouded; cir.-cum. and cir.-strat.; rain from 4h to 9h	0·9	0·7	—	—	78·7	51·5	—	—
4	Clear	—	—	0·7	0·0	75·8	56·0	—	—
5	Clouded; dense haze; rain from 9h to 16h	1·0	1·0	1·0	0·3	73·6	55·9	—	—
6	Clouded; cir.-cum. and cir.-strat.; heavy rain at 23h	0·6	0·0	0·0	0·0	75·0	60·0	—	—
7	Clouded; cum., cir.-cum., and cum.-strat.; rain from 12h to 17h	1·0	1·0	1·0	1·0	75·4	49·4	—	—
8	Clouded; cir.-cum., cir.-strat., and haze	0·7	0·7	1·0	1·0	77·8	62·0	—	—
9	Clouded; cir.-cum., cum.-strat., and cir.-strat.; heavy shower of rain at 6h; rainbow; auroral light in N. at night	1·0	0·8	0·3	0·3	80·0	65·6	—	—
10	Clear and clouded alternately	0·6	0·0	—	—	79·3	58·0	—	—
11	Generally clear	—	—	0·0	0·0	74·8	48·2	—	—
12	The same	0·4	0·0	0·0	0·7	72·4	43·5	—	—
13	Clouded; cir. and haze; rain from 14h to 16h; solar halo at 23h, diam. about 30°	1·0	0·4	1·0	1·0	71·2	47·7	0·08	—
14	Clear from 7h to 15h; cir.-strat., cir.-cum, and haze	0·4	0·0	0·0	0·8	70·3	58·5	—	—
15	Clear at 4h, and from 9h to 15h; clouded; cir.-cum., cir.-strat., and haze	0·4	0·0	0·0	0·9	74·4	58·3	—	—
16	Clouded; lightning and distant thunder in N.N.W. and N.E. from 6h to 12h; rain; clear from 13h to 16h	0·6	0·7	0·0	0·2	77·8	58·9	0·17	—
17	Clouded from 0h to 8h; cir., cir.-strat., and haze	1·0	0·1	—	—	81·8	61·8	—	—
18	Clouded; cir., cir.-strat., and haze; rain from 9h to 15h	—	—	1·0	1·0	78·3	53·5	0·61	—
19	A few drops of rain at 5h; clouded with cir.-cum. and cum.-strat.	0·8	0·0	0·7	1·0	74·8	61·8	0·18	—
20	Clouded to 4h; cir.-cum., cum.-strat., and haze	0·8	0·1	0·0	0·0	80·8	63·0	—	—
21	Clear to 14h; thence cloudy; rain at 20h, 22h, and 23h	0·1	0·0	0·5	1·0	72·0	53·9	0·34	—
22	Rain at 0h; again from 9h to 12h; clouded	0·7	1·0	0·1	1·0	67·5	57·2	0·28	—
23	Clear from 7h to 17h; clouded; cir.-cum. and cir.-strat.	0·4	0·0	0·0	0·1	76·6	60·5	—	—
24	Clouded from 0h to 8h, cum.-strat., cir.-cum., and cir.-strat.; rain at 5h	0·9	0·3	—	—	73·2	47·5	0·03	—
25	Clouded to 12h; thence nearly clear	—	—	0·4	1·0	71·8	53·0	—	—
26	Clouded; cir.-cum., cum., and haze; rain at intervals; solar halo at 22h, diam. about 40°	1·0	1·0	1·0	0·9	68·5	45·7	0·03	—
27	Clouded; cir.-cum., cir.-strat., and haze; showers; sheet lightning at 12h	0·7	0·1	0·9	1·0	67·1	54·7	0·22	—
28	Clouded; cum., cir.-cum.-strat, and cir.-strat.; showery	0·6	0·4	0·0	0·6	66·5	50·3	0·03	—
29	Generally clouded to 7h, detached cir.-cum., and cum.-strat.; auroral light at 9h	0·6	0·1	0·7	1·0	67·9	55·2	—	—
30	Clouded; cir.-cum., and cum.-strat.; rain from 2h to 14h	0·9	1·0	1·0	0·6	72·8	48·2	0·04	—
31	Clouded; till 3h, cir.-cum. and cum.-strat.; thence clear	0·7	0·0	—	—	71·4	61·2	—	—
	SEPTEMBER.								
1	Densly clouded all day, with cir.-cum. and cir.-strat.	—	—	1·0	1·0	77·8	54·7	—	—
2	Clouded to 6h; cir.-cum. and cum.-strat.; thence clear	0·8	0·0	0·0	0·0	74·6	65·4	—	—
3	Generally clear	0·2	0·0	0·0	0·0	80·8	55·5	—	—
4	Clear to 13h; thence partially clouded with cir.-cum.	0·0	0·0	0·4	0·0	75·8	49·5	—	—
5	In general clear; lunar halo at 15h, diam. about 45°	0·3	0·0	0 0	0 0	72·0	50·5	—	—
6	Clear; haze on horison	0·0	0·0	0·0	0·0	67·1	51·1	—	—
7	Generally clear; slight haze on horison; sheet lightning in N.W. at 9h and 10h	0·3	0·0	—	—	71·3	51·2	—	—
8	Clouded, with cir.-cum.. cir.-strat., and haze	—	—	0·7	1·0	70·6	50·8	—	—
9	Clouded; cir.-cum. and haze; clear at 8h; rain at intervals	0·9	0·9	1·0	1·0	73·8	60·0	0·07	—
10	Clouded from 0h to 7h, with cir.-cum. and cum.-strat.; dense mist rising from the ground	0·5	0·0	1·0	1·0	72·8	57·0	—	—
11	Clouded; cum.-strat. and cir.-strat.; thunder in W., rain at 3h	1·0	0·7	0·7	0·9	74·4	58·5	0·04	—
12	Clouded to 0h, with cir.-cum. and cir.-strat.; thence clear	0·1	0·7	0·0	0·0	72·6	57·2	—	—
13	Clear all the day	0·0	0·0	0·0	0·0	72·8	48·4	—	—
14	Clear all day, with very slight exceptions	0·4	0·0	—	—	71·6	49·4	—	—
15	Clear all the day	—	—	0·0	0·0	76·6	59·2	—	—
16	The same	0·0	0·0	0·0	0·0	77·0	54·8	—	—
17	The same with slight exceptions	0·0	0·0	0·4	0·1	80·8	54·5	—	—
18	Clear all day	0·0	0·0	0·0	0·0	79·4	49·9	—	—
19	Nearly clear all day	0·2	0·0	0·0	0·0	70·8	44·7	—	—
20	Clear till 20h; clouded at 21h	0·2	0·0	0·2	0·6	78·8	58·3	—	—

[a] Rain gauge out of order.

Day.	Weather and Phenomena.	Extent of Cloudy Sky.				Max. Therm.	Min. Therm.	Rain.	Tem. Rad.
		3h.	9h.	15h.	21h.				
	SEPTEMBER.					°	°	In.	
21	Clouded from 0h to 3h; cir.-cum. and haze; thence clear	0·8	0·0	—	—	81·8	61·0	—	
22	Partially clouded with cir.-cum. and cum.-strat.	—	—	0·4	0·8	70·3	31·7	—	
23	Generally clouded; cir.-cum. and cum.-strat. to 18h	1·0	0·9	0·6	1·0	56·0	38·7	—	
24	Clouded from 0h to 6h, and from 13h to 17h; cir.-cum., cum.-strat., and haze; thence clear	1·0	0·0	0·7	1·0	56·6	43·2	—	
25	Clouded; cir.-cum., cir.-strat., and haze; slight rain from 0h to 5h	1·0	0·8	1·0	0·2	60·3	36·9	—	
26	Partially clouded most of the day; cir.-cum. and cum.-strat.; clear from 14h to 17h	0·8	0·4	0·1	0·3	56·0	38·2	—	
27	Partially clouded to 10h; thence clouded cir., cir.-strat., and haze; lunar halo at 14h, diam. about 40°	0·2	0·4	1·0	0·9	55·8	28·2	—	
28	Clouded with cir.-cum., cum.-strat., and cir.-strat.; rain from 9h to 15h	1·0	1·0	—	—	49·5	33·5	0·12	
29	Clouded to 2h; thence generally clear	—	—	0·0	0·7	51·3	41·7	—	
30	Clear	0·1	0·0	0·0	0·3	57·6	39·3	—	
	OCTOBER.								
1	Mostly clear	0·0	0·2	0·0	1·0	63·0	33·1	—	
2	In general clouded; cir.-cum., cir., and haze; rain from 10h to 14h	1·0	1·0	0·8	0·0	56·2	38·2	0·20	
3	Generally clear to 4h; thence mostly clouded; cir.-cum., cir.-strat., and haze; in N. horizon lightning at 8h	0·2	0·5	0·9	0·8	60·5	43·7	—	
4	Slight rain and distant thunder at 5h; clear from 7h to 15h; thence clouded; cir.-cum., cir.-cum.-strat., and cir.-strat.	0·7	0·0	0·4	1·0	60·3	43·1	—	
5	Mostly clouded; cir.-cum. and cum.-strat.; slight rain at 22h and 23h	1·0	0·5	—	—	59·9	45·9	—	
6	Generally clear; clouded at 20h	—	—	0·1	1·0	54·8	39·7	—	
7	Clouded from 0h to 2h; cir.-cum. and cum.-strat.; thence quite clear	0·3	0·0	0·0	0·0	55·4	32·4	—	
8	Clear all day	0·0	0·0	0·0	1·0	47·9	28·0	—	
9	Clouded till 6h; light cir. and haze; thence quite clear to 19h, when it was cloudy	1·0	0·0	0·0	1·0	57·4	45·2	—	
10	Cloudy at 0h; cir.-strat., cir., and haze; thence clear to 18h, when it became cloudy	0·0	0·0	0·0	0·1	71·6	44·7	—	
11	Clouded from 0h to 4h; cir.-cum. dispersed; thence clear	0·2	0·0	0·0	0·3	58·6	37·0	—	
12	Partially clouded all day, and cir.-cum.	0·2	0·2	—	—	52·6	29·9	—	
13	Clouded from 12h to 17h; thence partially clear	—	—	1·0	1·0	52·0	32·1	—	
14	Densely clouded all day; constant rain till 7h, when it ceased	1·0	1·0	1·0	1·0	57·3	43·4	0·71	
15	Clouded till 5h; cum.-strat., cir.-cum., and haze; thence quite clear	1·0	0·0	0·0	0·8	53·0	41·0	—	
16	Clouded all the day; cir.-cum. and cum.-strat.; slight rain from 20h	1·0	1·0	1·0	1·0	53·6	36·1	—	
17	Slight rain from 0h to 3h; clouded cir.-cum., cir.-strat., and haze	1·0	1·0	1·0	1·0	50·6	40·3	0·07	
18	Generally clouded; drizzling rain from 0h to 11h	1·0	1·0	0·5	0·6	46·1	39·5	0·27	
19	Mostly clouded till 1h; cir.-strat. and cir.-cum.; slight snow at 4h, thence clear to 14h, when it became cloudy	0·7	0·0	—	—	55·3	39·7	—	
20	Clouded; cir. and haze; auroral light in N. at 12h, 13h, and 14h	—	—	0·6	1·0	45·2	28·4	—	
21	Generally clouded; cir., cir.-cum., and haze; lunar halo at 10h, diam. about 25	1·0	0·6	1·0	1·0	43·9	26·7	—	
22	Clear	0·2	0 0	0·0	0·0	48·3	33·9	—	
23	Generally clear; slight cir. and cir.-strat. at intervals	0·5	0·0	0·4	0·2	53·9	34·7	—	
24	Clear, except slight cir. and cir.-strat. at intervals; lunar halo at 11h, 12h, and 13h; diam. about 30°	0·0	0·0	0·5	1·0	54·8	34·7	—	
25	Clear from 7h to 13h; thence clouded, cum.-strat, and cir.-cum	0 6	0·0	1·0	1·0	55·8	44·2	—	
26	Generally clouded; cir.-cum. and cir.-strat.; lunar halo at 9h, and 10h; diam. about 30°	1·0	0·5	—	—	60·3	33·9	—	
27	Clouded most of the day; cir.-cum. and haze; snow from 14h to 17h	—	—	1·0	1·0	49·8	31·7	—	
28	Clouded all the day; cir.-cum. and haze; constant snow to 21h	1·0	1·0	1·0	1·0	40·1	26·9	—	
29	Clouded; cir.-cum. and haze; snow from 0h to 8h, and from 10h to16h	1·0	1·0	1·0	1·0	29·9	28·1	—	
30	Clouded till 8h; cir.-cum., cir.-strat., and haze; thence clear	1·0	0·1	0·0	0·0	31·7	27·5	—	
31	Clear all the day	0·1	0·0	0·0	0·7	36·4	15·9	—	
	NOVEMBER.								
1	Clouded; cir., cir.-strat., and haze; rain from 6h to 7h	1·0	1·0	1·0	0·0	43·5	24·1	—	
2	Clear from 0h to 6h; thence clouded	0·3	1·0	—	—	43·9	39·3	—	
3	In general clouded; rain	—	—	1·0	1·0	55·3	36·2	0·77	
4	Clouded to 5h; cum-strat., cir.-cum., and haze; mostly clear	1·0	0 9	0·0	0·3	46·4	38·3	—	
5	Partially clouded all day; cir.-cum. and cum.-strat. floating about	0·5	0·1	0·5	0·1	46·1	32·5	—	
6	Generally clear to 4h; clouded cir.-cum. and cum.-strat.; dispersed	0·1	0·0	0·5	0·5	50·6	32·2	—	
7	Clear and clouded alternately; cir -cum. and cum.-strat.; lightning at 9h in N.W. horizon	1·0	0·0	0·1	1·0	49·7	29·9	—	
8	Clouded to 9h; cum.-strat. and cir.-cum.; sleet between 2h and 7h	1·0	1·0	0·0	1·0	56·0	28·5	0·04	
9	Clouded to 2h; cir.-cum., cum.-strat., and haze; thence mostly clear	0·6	0·0	—	—	50·6	26·2	—	

Day.	Weather and Phenomena.	Extent of Cloudy Sky. 3h.	9h.	15h.	21h.	Max. Therm.	Min. Therm.	Rain.	Terr. Rad.
	NOVEMBER.					°	°	In.	°
10	Clouded all day; cir.-cum. and cir.-strat.; rain, thunder, and lightning	—	—	1·0	1·0	44·7	29·9	0·24	—
11	Clouded all day; cir.-cum. and haze; light rain at intervals	1·0	1·0	1·0	1·0	46·1	36·7	0·12	—
12	Clouded; rain at 2h, 3h, 5h, and 9h	1·0	1·0	0·4	0·1	42·9	39·4	0·52	—
13	Partially clouded, cir.-cum. and cum.-strat.; auroral light from 10h to 11h; clear at 22h	0·9	0·1	0·0	0·0	47·1	34·1	—	—
14	Mostly clouded; cir.-cum. and cum.	0·8	1·0	0·5	0·8	38·7	28·9	—	—
15	Clouded till 6h; cir.-cum. and haze; auroral light at 15h	1·0	0·0	0·3	1·0	40·7	28·5	—	—
16	Clouded; cir.-cum., cum.-strat., and haze; solar halo at 22h; diameter 30°	1·0	1·0	—	—	45·4	27·9	—	—
17	Generally clouded; occasional showers during the day	—	—	1·0	0·5	47·8	34·6	0·20	—
18	Mostly clouded; cum.-strat. and cir.-cum.; clear at 20h	0·8	1·0	1·0	0·5	45·9	32·5	—	—
19	Clear at 0h, 2h, 3h, 11h, and 12h; at other times partially clouded	0·1	0·6	0·4	0·5	36·1	24·3	—	—
20	Mostly clear; a few cir.-cum. and cum.-strat. occasionally	0·2	0·3	0·0	0·8	41·6	26·2	—	—
21	Generally clouded; cir.-cum., cir.-strat., and haze; lunar halo from 7h to 11h; diameter about 45°	0·4	1·0	1·0	1·0	44·6	27·2	—	—
22	Clouded all the day; cir.-cum., cir.-strat., and haze	0·9	1·0	1·0	1·0	45·2	28·7	—	—
23	In general clouded; cir.-strat., cir.-cum., and haze	0·9	0·8	—	—	44·3	37·3	—	—
24	Clouded; clear from 14h to 17h; a few flakes of snow	—	—	0·0	0·2	45·4	23·1	—	—
25	Clear till 10h; thence clouded; cir.-cum. and haze; lunar halo at 11h; diameter 40°; snow from 16h to 17h	0·2	0 0	1·0	1·0	26·7	18·1	—	—
26	Clouded; cir.-cum. and cum.-strat.; snow from 0h to 6h	1·0	1·0	1·0	0·9	26·3	16·4	—	—
27	Clouded; cir.-cum. and haze; solar halo at 1h and 2h, diameter 30°; snow from 13h to 23h	1·0	1·0	1·0	1·0	29·1	18·4	—	—
28	Clouded all day; snow from 0h to 2h	1·0	1·0	1·0	1·0	24·7	12·1	—	—
29	Clouded all day; cir.-cum. and cum.-strat.; rain at 19h	1·0	1·0	1·0	1·0	24·7	18·9	—	—
30	Clouded all day; dense haze; slight rain from 0h to 11h	1·0	1·0	—	—	34·7	22·9		
	DECEMBER.								
1	Mostly clear to 2h; thence clouded; cir.-cum. and haze	—	—	0·8	0·0	38·9	32·7		—
2	Clear at 5h, 7h, 9h, and 13h; clouded; cum.-strat. and cir.-cum.	0·8	1·0	1·0	0·2	34·1	22·5		—
3	Clouded; cir.-cum. and haze; slight rain from 7h to 13h	0·8	0·0	0·9	1·0	37·9	25·4		—
4	Clouded; cir.-cum. and haze; slight rain from 1h to 12h and 22h	1·0	1·0	1·0	1·0	36·6	25·9		—
5	Clouded all day; cir.-cum., cir.-strat., and haze; rain from 0h to 6h, and from 10h to 17h	1·0	1·0	1·0	1·0	38·4	32·7		—
6	Clouded; cum.-strat. and haze; equally, with occasional showers of snow	1·0	1·0	1·0	0·6	36·4	31·7		—
7	Clouded till 12h; cir.-cum. and cum.-strat.; thence quite clear	1·0	1·0	—	—	43·3	33·7		—
8	Clear till 10h; thence clouded, cir.-strat., cir.-cum., and haze	—	—	0·0	0·2	48·5	15·7		—
9	Clouded all day, with cir.-cum., cir.-strat., and haze	0·0	0·2	0·6	1·0	29·3	19·7		—
10	Clear from 12h to 16h; thence generally clouded; cir.-cum., cum.-strat., and haze	1·0	1·0	1·0	1·0	35·7	19·9		—
11	Generally clouded; cir.-cum. and haze; rain at 19h	1·0	0·3	0·0	1·0	29·7	24·7		—
12	Clouded all day; cir.-cum. and haze; rain from 0h to 10h	0·5	1·0	1·0	1·0	34·4	17·9		—
13	Generally clouded; cir.-cum., cir.-strat., and haze; auroral light in N. at 16h	1·0	1·0	1·0	0·7	39·1	32·3		—
14	Clear from 12h to 14h; remainder clouded; cir.-cum. and haze	1·0	0·9	—	—	37·7	29·9		—
15	Clouded till 16h; cir.-cum. and haze; snow from 21h	—	—	1·0	1·0	36·3	28·9		—
16	Clouded; cir.-cum., cum.-strat., and haze; snow from 7h to 9h; clear from 13h to 17h	1·0	1·0	1·0	0·5	38·9	21·4		—
17	Clouded; chiefly cir.-cum. and haze; snow at 20h	0·8	1·0	0·0	1·0	23·5	14·9		—
18	Clouded to 11h; cir.-strat., cir.-cum., and haze; snow from 0h to 3h	1·0	1·0	1·0	1·0	25·1	1·6		—
19	Clouded all day; cir.-cum. and haze	1·0	1·0	0·3	0·8	26·1	2·3		—
20	Clouded all day; dense haze; snow from 22h	1·0	1·0	1·0	1·0	25·6	3·0		—
21	Clouded all day; dense haze; snow from 0h	1·0	1·0	—	—	28·1	5·9		—
22	Generally clouded; slight rain till 3h; snow from 13h to 17h	—	—	1·0	1·0	33·5	22·9		—
23	Clouded; cir.-cum. and haze; slight snow from 3h to 5h	1·0	0·6	1·0	1·0	38·7	31·2		—
24	Clouded all day; cir.-cum., cir.-strat., and haze	1·0	1·0	—	—	30·9	21·3		—
25	Generally clouded; cir.-cum. and haze	—	—	1·0	0·9	36·1	25·7		—
26	Generally clouded; cir., cir.-cum., and haze	1·0	0·4	0·9	0·6	45·1	22·5		—
27	Partially clear to 5h; thence quite clear	1·0	0·0	0·0	0·8	50·6	22·9		—
28	Mostly clouded; cir., cir.-strat., and cir.-cum.	1·0	1·0	—	—	28·4	11·7		—
29	Clouded all day; cir.-cum. and haze; halo round the moon from 13h to 15h; diameter about 40°	—	—	1·0	1·0	32·3	9·7		—
30	Clouded all day; cir.-cum., cum.-strat., and haze; nearly clear from 7h to 10h	1·0	0·1	1·0	1·0	34·9	19·5		—
31	Generally clouded; cum.-strat. and cir.-cum.; clear spaces at intervals	0·5	1·0	1·0	1·0	39·7	22·9		—

Rain Gauge out of order.

TORONTO, 1845.

MAGNETICAL OBSERVATIONS.

DECLINATION.

Angular Value of one Scale Division of the Declinometer = 0′·721. Increasing Numbers denote decreasing Westerly Declination.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
JANUARY.	1	119·0	121·0	124·2	124·5	123·4	121·0	117·0	115·0	114·8	115·6	116·0	114·4
	2	118·8	120·0	121·8	124·0	121·8	116·2	115·2	114·6	113·0	113·5	112·0	115·8
	3	116·5	121·0	123·0	122·3	120·8	118·2	114·0	112·2	111·8	112·7	115·0	116·1
	4	117·4	118·6	119·7	120·3	119·8	117·2	114·2	112·3	113·0	114·2	116·8	116·2
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	117·8	118·2	118·2	119·2	119·0	118·7	117·1	117·5	118·1	117·0	116·1	116·6
	7	118·8	119·1	118·8	118·0	117·1	116·0	111·0	113·7	115·0	115·2	117·0	117·4
	8	118·8	120·0	118·6	117·8	116·0	114·4	115·0	115·6	117·0	118·2	117·6	117·6
	9	120·2	120·0	112·6	104·4	108·3	109·2	108·3	108·8	111·2	106·2	103·7	109·4
	10	119·0	119·4	119·3	115·9	116·1	114·4	114·0	113·3	111·0	116·3	116·0	116·4
	11	118·8	117·8	119·0	117·0	114·7	113·8	112·0	115·0	116·0	117·2	118·3	118·5
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	120·6	120·6	121·3	116·8	116·4	115·0	113·3	113·6	115·0	117·0	118·0	116·7
	14	120·0	122·2	122·0	120·4	117·4	113·0	110·0	109·6	113·1	116·7	118·0	119·3
	15	119·8	121·7	122·0	120·6	117·5	115·4	112·6	113·2	114·2	115·2	116·8	117·0
	16	120·2	120·4	122·1	122·1	116·6	114·0	112·9	112·5	113·2	115·1	117·0	118·0
	17	120·0	119·7	120·8	121·1	118·6	116·3	114·2	112·8	113·6	112·8	115·0	117·6
	18	119·9	121·2	122·9	121·3	119·0	116·8	115·0	114·0	115·4	117·5	117·0	117·5
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	118·0	113·0	108·5	107·0	119·0	118·0	108·4	113·0	111·3	110·6	114·5	117·1
	21	117·6	117·4	119·0	118·4	117·0	114·7	114·2	114·3	116·8	117·8	116·8	116·2
	22	116·5	119·2	120·4	117·7	115·1	114·4	114·3	114·7	114·8	116·2	116·8	116·0
	23	126·2	122·1	121·6	110·0	110·8	106·7	111·4	111·0	111·9	112·4	116·8	118·0
	24	119·4	119·2	121·2	119·2	117·7	113·0	104·1	113·7	107·7	113·2	115·0	127·2
	25	120·2	116·0	113·3	117·8	119·0	112·2	113·0	112·4	114·9	114·9	119·1	117·2
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	115·0	121·0	118·1	117·2	117·4	114·5	113·9	113·7	114·9	116·0	119·2	119·8
	28	118·6	120·0	122·2	121·2	116·8	108·5	102·8	107·7	109·5	105·8	111·0	114·0
	29	119·2	123·3	124·2	121·5	117·4	115·8	112·7	111·0	114·2	107·9	113·7	122·0
	30	119·2	120·8	122·7	121·0	118·1	119·2	110·3	111·0	110·0	117·0	115·0	118·3
	31	117·0	120·6	122·2	122·0	119·5	115·4	115·1	114·2	113·7	113·8	117·0	117·8
Hourly Means		118·98	119·76	119·99	118·45	117·42	114·90	112·44	113·09	113·52	114·30	115·75	117·34
FEBRUARY.	1	120·4	120·0	120·2	121·8	116·7	114·0	112·4	115·5	113·4	115·6	115·9	117·8
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	118·8	120·0	120·4	120·1	118·9	117·4	115·2	114·5	115·8	117·3	118·2	117·0
	4	122·4	117·9	119·7	118·8	117·0	116·2	115·7	115·0	116·0	116·8	117·8	118·4
	5	120·0	121·0	122·4	117·4	115·8	115·7	107·2	108·4	113·0	114·7	116·6	117·2
	6	127·0	125·2	121·0	118·7	118·1	116·0	114·2	115·0	116·2	118·8	119·6	119·0
	7	121·0	121·4	122·0	120·8	118·3	112·9	112·9	113·8	115·0	118·0	118·0	117·5
	8	123·0	123·3	123·8	122·2	119·3	115·6	113·8	113·8	114·0	116·7	117·8	118·0
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	118·8	120·4	121·9	121·0	118·0	113·7	113·2	114·0	114·0	116·4	120·3	119·5
	11	118·9	119·7	121·2	119·4	119·0	116·5	114·0	114·0	114·2	114·8	116·2	117·4
	12	117·0	115·0	118·0	121·3	119·2	116·6	114·0	113·8	114·4	115·5	118·8	118·4
	13	118·6	121·8	123·2	123·1	121·0	118·2	115·8	114·8	114·0	114·8	116·1	116·7
	14	119·1	120·9	121·1	121·8	120·9	118·3	116·1	114·0	114·2	115·1	116·4	117·0
	15	118·2	119·0	120·1	121·1	119·3	117·8	114·0	112·9	114·1	116·2	117·0	117·4
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	118·0	119·8	120·4	120·0	117·2	113·2	109·0	109·0	110·0	115·2	116·2	116·8
	18	119·0	119·6	120·0	120·0	119·4	116·4	114·7	113·2	114·1	116·2	118·0	118·0
	19	117·2	118·0	122·0	119·4	118·2	115·5	116·2	109·9	110·3*	117·3	116·0	116·0
	20	122·2	119·7	119·6	119·6	116·7	116·7*	113·3	112·0	117·7	112·5	113·3	112·0
	21	114·0	119·2	123·0	121·8	121·0	117·1	111·0	108·0	111·1	110·2	118·0	116·0
	22	125·3	122·1	121·0	120·9	119·8	114·4	110·0	110·0	110·2	113·0	115·1	115·4
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	121·5	124·2	120·8	122·0	119·0	117·0	111·2	110·6	112·0	111·2	112·0	110·6
	25	116·0	119·4	116·0	110·4	116·2	116·2	116·7	108·2	108·8	110·2	112·9	117·1
	26	119·5	108·1	103·9	115·1	119·2	116·3	112·6	112·0	110·8	113·0	117·0	113·9
	27	121·0	122·2	119·5	121·2	120·0	116·6	113·0	111·8	110·7	112·0	113·4	118·0
	28	119·9	115·9	115·2	121·9	120·3	116·2	112·8	110·0	109·0	111·2	108·9	113·3
Hourly Means		119·87	119·74	119·85	119·99	118·69	116·02	113·29	112·26	113·04	114·70	116·23	116·6

* Four minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means.	
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
116·9	118·0	119·9	120·1	124·9	121·8	117·0	116·1	116·0	111·5	116·0	118·0	118·42	
116·3	119·3	120·0	119·0	118·9	118·0	117·7	117·8	117·8	118·0	118·2	116·8	117·69	
117·0	116·0	116·4	119·8	118·2	118·2	118·2	118·6	119·6	117·0	117·4	116·4	117·35	
116·8	117·0	118·2	119·0	119·0	118·8	—	—	—	—	—	—		117·04
—	—	—	—	—	—	118·0	120·4	118·8	118·1	122·0	117·3	117·63	
117·0	117·0	118·0	118·4	117·8	116·6	118·2	118·8	119·1	118·6	118·2	118·1	117·89	
118·6	118·7	117·8	117·8	117·2	116·7	116·6	117·0	118·2	119·0	121·2	119·6	117·31	
118·0	117·0	117·3	116·2	117·2	117·2	118·9	119·0	120·0	119·2	118·5	119·8	117·70	
110·6	111·3	111·5	127·0	84·5	119·7	118·1	118·0	116·0	117·2	118·8	118·7	112·24	
119·0	118·7	119·2	117·4	119·7	115·0	111·0	114·3	115·0	118·0	118·4	118·9	116·50	
118·2	118·4	118·2	117·4	120·2	119·6	—	—	—	—	—	—		117·59
—	—	—	—	—	—	114·9[b]	115·4	118·3	118·7	118·7	118·2	117·26	
117·4	118·2	118·4	118·1	117·7	118·5	117·0	117·2	117·0	119·0	114·1	117·0	117·25	
119·8	121·5	119·5	120·3	118·6	118·0	114·9	116·8	117·0	116·0	116·3	114·6	117·30	
119·3	121·3	120·4	118·9	120·1	118·0	117·9	114·4	116·2	116·8	117·0	118·5	117·70	
117·9	120·0	120·6	118·0	118·0	117·6	119·4	127·0	117·8	118·9	120·0	119·8	118·30	
118·0	120·2	118·0	122·5	125·0	123·2	118·0	111·5	111·9	119·3	121·3	116·7	117·84	
118·2	119·6	119·1	125·2	118·7	119·0	—	—	—	—	—	—		117·93
—	—	—	—	—	—	126·1	125 2	122·2	123·0	120·4	114·3	119·52	
117 3	117·5	118·1	118·0	117·7	118·0	116·1	117·0	117·0	112·9	119·1	118·6	115·24	
121·8	117·1	119·5	117·6	120·8	118·5	117·2	117·0	117·8	119·2	118·0	117·2	117·55	
121·7	118·1	118·7	117·4	118·0	116·1	117·1	121·3	118·6	121·4	124·5	121·4	117·93	117·59
114·0	117·2	120·4	150·4	124·8	119·8	116·6	115·6	114·8	111·7	122·0	123·1	118·01	
115·3	117·2	122·2	117·3	115·8	117·2	117·0	120·2	125·3	120·8	125·0	119·2	117·71	
117·8	120·3	118·3	118·7	118·0	118·1	—	—	—	—	—	—		117·93
—	—	—	—	—	—	105·0	121·6	119·2	120·0	119·7	118·2	116·87	
118·8	118·0	117·8	116·0	117·2	117·6	117·0	116·7	117·3	118·0	118·4	118·6	117·17	
122·2	119·1	129·4	117·4	116·6	117·4	118·6	123·8	127·3	114·3	130·9	118·7	117·24	
123·3	119·0	118·2	125·4	115·9	119·6	118·6	116·2	117·3	116·1	119·9	119·0	117·95	
118·4	118·6	118·6	118·2	118·4	119·0	118·7	117·7	119·9	120·2	119·8	115·0	117·71	
117·7	118·8	121·3	118·0	118 2	117·9	119·0	116·3	118·0	119·5	119·0	120·4	118·02	
118·12	118·26	119·07	120·33	117·67	118·34	117·14	118·18	118·27	117·87	119·73	118·23	117·38	
117·8	117·9	117·9	123·1	117·1	117·8	—	—	—	—	—	—		117·93
—	—	—	—	—	—	116·2	117·0	117·6	117·2	120·0	119·4	117·61	
116·8	117·0	120·2	118·0	118·4	118·0	118·0	118·8	118·4	119·7	120·2	118·0	118·13	
117·6	117·6	117·0	119·2	117·0	116·5	117·1	117·3	118·0	118·6	119·0	120·0	117·77	
116·7	117·7	116·2	117·1	117·7	116·9	118·8	119·0	119·9	125·8	118·0	128·2	117·56	
119·0	118·7	118·3	117·8	117·7	119·0	118·9	115·3	117·2	117·0	118·6	121·7	118·67	
118·8	119·0	119·0	118·2	120·3	115·2	113·8	117·0	117·5	118·0	119·4	117·2	117·71	
119·0	118·0	119·3	126·7	123·4	117·7	—	—	—	—	—	—		117·80
—	—	—	—	—	—	120·6	113·0	116·8	118·4	119·2	113·2	118·61	
117·7	116·1	118·2	124·2	120·5	117·8	116·0	116·4	116·8	116·1	117·3	119·0	117·80	
117·4	118·6	118·8	118·3	118·0	117·8	117·8	117·5	117·0	117·0	118·8	120·3	117·61	
118·3	118·8	126·8	124·0	120·0	120·0	118·5	117·8	119·0	119·0	119·6	120·0	118·49	
117·7	118·7	122·8	120·0[c]	119·0	118·3	118·3	120·0	116·8	116·0	119·4	120·8	118·58	
117·6	118·0	118·0	117·8	117·0	117·0	117·6	117·4	117·2	117·6	117·7	118·2	117·75	
117·6	117·2	117·6	117·6	117·2	119·2	—	—	—	—	—	—		117·48
—	—	—	—	—	—	118·8	119·0	117·3	118·0	117·4	117·3	117·55	
117·0	117·6	117·6	118·0	117·8	117·7	117·1	117·6	115·4	118·2	117·8	118·6	116·47	
117·0	116·4	116·8	117·1	117·2	118·7	118·0	116·8	117·6	117·8	118·0	118·0	117·42	
116·1	118·0	117·3	118·0	118·0	117·0	117·0	119·2	119·0	119·6	120·0	119·4	117·31	
110·1	111·8	116·0	117·6	116·0	118·4	122·0	108·3	116·9	123·6	121·0	119·4	116·51	
111·2	128·2	119·2	117·0	118·8	118·4	121·0	123·2	120·0	124·0	114·1	121·0	118·02	
116 8	116·6	116·4	123 8	120·8	121·8	—	—	—	—	—	—		117·48
—	—	—	—	—	—	124·9	114·0	112·0	118·0	118·1	114·0	117·27	
120·1	127·8	118·6	124·8	118·0	115·1	120·5	126·2	109·0	113·0	117·8	115·0	117·42	
124·1	117·1	123·6	123·3	119·0	120·9	129·0	116·2	121·0	119·3	109·6	115·9	116·98	
122·9	120·5	127·8	126·0	124·2	117·3	118·0	117·4	117·4	111·9	136·8	117·8	116·22	
117·0	121·2	127·0	117·2	116·4	118·2	118·4	113·7	115·0	119·7	118·8	118·9	117·37	
116·2	116·0	125·1	115·9	116·9	119·5	117·2	118·0	118·0	118·9	118·8	118·3	116·39	
117·77	118·52	119·82	120·03	118·60	118·09	118·90	117·34	117·12	118·43	117·73	118·73	117·55	

[b] Thirteen minutes late. [c] Seven minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′ ·721. Increasing numbers denote decreasing Westerly Declination.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
MARCH.	1	120·0	120·0	122·1	122·0	120·6	118·0	113·2	111·0	111·6	114·0	115·7	116·0
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	119·0	119·4	120·4	121·5	119·8	118·1	112·9	110·7	109·2	111·1	113·8	115·0
	4	119·4	119·8	122·0	121·0	120·0	117·9	115·5	112·9	111·8	112·2	114·2	116·0
	5	119·0	120·4	121·9	123·9	121·0	116·7	113·5	112·0	112·0	113·0	115·2	115·3
	6	119·0	120·3	122·1	123·0	122·0	118·0	114·3	113·2	113·4	115·0	116·0	116·8
	7	120·0	122·0	122·6	125·2	122·0	119·0	114·2	109·0	106·8	105·2	107·0	114·3
	8	118·2	119·0	123·0	120·9	120·6	116·2	113·6	111·8	111·3	113·0	114·2	115·8
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	117·8	119·7	122·0	122·9	120·2	117·1	111·6	110·0	109·8	112·0	114·5	116·2
	11	118·7	121·9	122·5	120·2	121·1	115·5	113·3	112·1	113·9	112·5[b]	112·0	114·2
	12	119·8	121·6	124·0	125·0	122·4	119·0	116·0	113·4	112·0	112·6	114·0	115·6
	13	118·8	120·7	122·7	124·3	123·0	119·7	115·0	110·5	110·4	111·2	113·4	115·4
	14	122·0	122·4	124·2	122·7	122·8	116·2	114·1	168·1	109·2	111·2	111·2	115·0
	15	122·0	123·6	124·0	123·3	122·0	116·6	112·5	108·8	109·4	108·0	112·1	116·6
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	120·0	118·8	122·7	118·5	118·5	114·9	115·5	114·7	113·0	114·2	115·4	115·0
	18	119·9	122·0	123·2	122·0	117·0	111·1	110·0	111·4	111·2	113·4	114·0	116·4
	19	121·0	123·8	124·0	125·0	122·0	118·0	113·8	109·4	107 6	109·8	108·5	114·7
	20	117·0	126·9	126·0	124·8	120·3	116·8	98·3	107·8	111·0	114·0	115·0	116·0
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	122·2	122·0	123·0	121·6	117·7	112·2	108·7	107·0	110·2	112·0	114·0	116·2
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	129·0	123·0	122·0	124·0	117·2	113·4	111·0	107·3	107·9	106·0	110·4	110·1
	25	120·0	121·2	122·4	124·1	120·3	112·4	113·1	113·8	112·2	112·8	113·2	116·1
	26	120·4	124·4	126·0	123·4	117·9	114·0[b]	111·2	109·2	109·0	107·8	112·2	115·2
	27	120·2	123·7	123·0	121·7	118·8	108·1	106·2	104·1	101·0	114·5	107·8	108·0
	28	119·0	121·0	120·0	121·0	120·2	117·1	111·5	109·0	108·4	107·7	106·0	113·2
	29	120·1	123·0	123·0	120·7	116 3	113·4	111·0	109·6	108·3	107·2	109·8	111·9
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	120·3	120·0	121·4	120·2	118·6	115·1	112·8	112·4	112·8	113·0	113·2	114·0
Hourly Means		120·11	121·62	122·81	122·52	120·08	115·78	112·11	110·37	110·14	111·34	112·51	114·72
APRIL.	1	119·8	119·0	120·8	117·2	115·7	113·8	112·0	111·7	112·5	112·9	114·5	114·7
	2	122·0	123·0	125·0	122·2	117·4	117·0	109·1	109·0	110·0	111·0	112·2	114·0
	3	124·2	27·2	126·9	123·0	120·4	112·1	109·2	105·7	106·4	108·3	113·6	115·4
	4	115·8	117·0	131·0	124·0	117·0	110·4	106·0	106·7	108·8	112·2	114·8	116·2
	5	122·4	124·6	127·0	126·8	120·0	114·7	108·9	107·4	109·6	112·2	116·0	116·6
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	122·0	124·8	128·4	127·1	123·0	118·0	114·2	111·0	110·0	110·6	112·0	115·0
	8	120·3	122·4	124·0	125·0	124·0	118·0	113·2	108·0	105·9	107·0	111·0	114·4
	9	120·3	123·3	126·9	128·0	124·3	119·6	112·0	106·0	105·2	105·4	109·0	113·0
	10	121·2	123·2	124·8	127·0	126·0	120·0	115·0	109·8	107·0	107·0	109·2	113·3
	11	121·0	123·2	127·0	127·0	124·0	119·3	112·7	105·2	106·8	107·9	111·1	115·2
	12	121·4	123·6	124·0	124·3	122·2	117·8	113·6	109·5	108·0	109·0	111·4	114·5
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	128·0	120·0	112·9	114·8	110·2	115·0	106·7	107·5	113·0	111·6	112·6	119·0
	15	117·0	119·9	115·0	117·2	116·5	115·4	110·2	110·4	108·2	109·0	112·0	115·0
	16	119·0	115·2	119·1	119·2	117·0	112·0	110·0	108·4	109·0	110·3	112·7	114·5
	17	119·4	119·4	120·4	118·8	116·1	115·2	114·9	110·6	109·2	111·2	112·8	114·0
	18	122·9	124·6	122·5	121·7	113·2	104·6	104·8	105·2	107·1	105·0	103·4	112·1
	19	123·0	124·2	125·1	125·3	121·3	119·0	106·2	103·7	105·3	105·6	103·4	113·0
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	120·5	121·4	121·4	121·0	119·6	115·3	111·0	107·2	106·6	108·0	111·0	114·2
	22	121·0	122·5	122·2	121·2	118·0[a]	113·2	108·0	105·0	102·9	105·0	108·6	114·5
	23	121·8	123·0	124·0	124·6	121·9	115·1	107·4	102·7	101·1	103·0	105·6	122·2
	24	124·2	127·2	128·0	122·8	124·9	111·2	109·0	101·2	102·3	105·5	109·0	112·0
	25	112·3	110·7	112·9	116·0	113·9	111·7	107·1	106·1	104·1	107·3	111·0	114·6
	26	122·1	123·8	122·4	123·2	119·1	114·2	109·9	108·0	106·4	105·3	107·0	112·3
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	121·0	119·8	117·6	113·4	111·1	111·0	109·0	108·6	110·1	111·0	114·2	115·8
	29	123·0	123·9	123·6	120·4	117·7	115·4	112·5	111·4	112·2	112·4	114·7	116·3
	30	119·8	121·0	121·6	118·5	114·5	111·1	111·3	111·3	111·0	113·0	114·2	116·1
Hourly Means		120·98	121·84	122·48	121·91	118·81	114·62	110·15	107·58	107·64	108·72	111·04	114·26

[a] Twelve minutes late. [b] Four minutes late. [c] Good Friday.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means.	
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
116·5	117·7	117·2	117·6	117·6	117·7	—	—	—	—	—	—	117·38	
—	—	—	—	—	—	115·0	119·8	119·5	117·6	119·3	117·4		
116·8	116·6	116·3	116·6	116·4	118·0	117·3	119·2	120·3	120·0	119·4	119·2	116·96	
116·3	117·0	117·0	117·0	117·4	119·0	117·0	117·6	118·0	118·1	118·4	118·3	117·24	
117·0	117·4	116·7	116·7	118·0	117·1	117·2	117·5	117·8	118·0	118·2	118·9	117·27	117·06
116·2	117·0	117·4	117·3	117·1	117·2	117·2	117·5	117·8	118·0	118·2	119·2	117·63	
116·8	117·5	117·1	117·6	117·5	117·3	117·5	118·0	118·0	118·3	120·3	120·0	116·80	
116·4	116·8	117·0	116·8	118·0	117·2	—	—	—	—	—	—	117·55	
—	—	—	—	—	—	120·4[a]	122·0	121·4	121·0	120·2	116·4		
117·0	117·2	118·0	118·0	117·5	119·2	117·6	117·0	117·4	117·7	118·2	118·8	116·97	
116·0	118·2	119·2	117·6	116·4	117·0	117·4	117·0	117·2	118·0	118·5	117·1	116·98	
116·8	117·0	117·0	118·0	117·2	117·1	117·8	117·8	118·9	117·0	122·3	121·0	118·05	
116·0	117·0	117·0	117·5	119·7	120·0	118·0	118·0	110·8[b]	121·5	133·5	124·5	118.27	
113·8	116·8	116·1	122·8	124·8	120·6	120·0	122·4	118·0	119·2	113·4	119·9	117·79	
116·9	117·0	116·6	118·6	118·0	120·2	—	—	—	—	—	—	117·32	
—	—	—	—	—	—	120·4	114·9	120·2	119·4	118·8	115·8		
120·2	121·4	118·2	116·9	116·8	117·8	117·8	118·0	118·8	117·4	119·9	118·5	117·62	
115·4	116·6	117·0	117·0	119·2	117·3	119·3	117·1	117·8	117·0	120·0	120·0	116·89	117·79
116·5	125·2	127·8	132·4	124·4	121·1	112·8	122·0	120·2	123·0	121·0	114·9	119·12	
116·0	115·8	116·1	130·6	127·2	117·0	—	—	—	—	—	—	117·54	
—	—	—	—	—	—	—	—	114·0	115·9	121·4	118·0		
117·1	117·0	117·8	117·0	116·5	115·4	—	—	—	—	—	—	116·93	
—	—	—	—	—	—	117·0	118·9	124·1	119·0	116·8	123·0		
115·2	124·0	117·0	115·9	125·0	123·1	121·7	118·1	120·0	118·3	119·0	119·2	117·41	
118·9	124·7	118·1	129·0	120·9	120·9	121·2	122·2	119·5	119·0	119·0	114·3	118·72	
118·0	120·0	124·2	129·2	119·0	123·0	124·2	118·4	117·0	118·4	116·6	117·5	118·18	
114·6	117·2	121·0	119·8	118·2	117·6	119·0	116·5	117·3	117·8	117·1	117·7	115·45	
114·2	116·0	116·9	118·0	118·2	121·6	121·0	116·4	119·0	115·2	117·0	123·8	116·31	
116·0	114·9	116·3	117·3	117·7	119·0	—	—	—	—	—	—	116·02	
—	—	—	—	—	—	117·2	118·0	118·0	118·2	118·8	120·0		
114·8	115·2	115·2	117·0	117·2	117·2	116·2	117·0	117·6	119·0	118·4	118·8	116·56	
116·38	118·05	117·93	119·69	119·04	118·74	118·34	118·39	118·34	118·48	119·35	118·89	117·32	
115·0	116·7	117·0	116·0	121·2	121·4	119·0	118·4	120·2	120·4	120·0	120·0	117·08	116·96
115·0	115·2	115·8	115·8	116·0	116·9	117·8	119·0	119·3	123·4	121·5	120·2	116·99	
116·4	116·8	117·0	116·8	118·0	120·0	123·8	119·2	119·0	118·4	118·9	118·8	117·31	
119·5	117·9	117·1	117·0	117·1	117·0	117·2	118·0	118·2	119·4	119·8	120·2	116·26	
118·0	117·0	118·2	118·0	125·0	117·5	—	—	—	—	—	—	118·06	
—	—	—	—	—	—	119·4	120·0	121·0	119·2	118·0	114·0		
117·0	119·0	127·0	118·0	117·2	117·0	117·4	117·0	119·2	121·6	117·1	118·2	118·41	
116·6	117·0	118·4	117·2	117·2	117·0	117·4	119·0	118·2	118·2	118·1	119·0	116·94	
120·2	119·8	120·3	117·4	117·2	117·0	117·2	117·0	118·5	118·8	118·2	118·9	117·23	
116·1	116·8	116·9	116·7	116·9	117·0	117·2	117·5	118·0	118·2	118·7	119·4	117·20	
117·2	117·6	117·3	117·3	117·0	117·2	117·8	118·0	118·0	119·2	119·8	120·0	117·37	
116·2	120·8	120·0	119·0	117·6	118·0	—	—	—	—	—	—	117·55	
—	—	—	—	—	—	115·6	117·5	118·4	114·2	120·8	[a]123·7		
120·0	119·4	119·0	117·2	116·3	120·0	111·4	119·9	116·6	116·1	118·8	119·6	116·07	
116·3	117·2	118·4	117·1	118·0	118·8	120·0	117·9	114·1	118·7	118·4	118·8	115·81	116·26
116·0	117·3	119·8	117·5	116·7	116·9	116·6	115·0	114·6	117·2	118·0	119·2	115·48	
115·8	116·7	117·8	118·0	117·0	117·0	116·2	117·0	117·5	118·0	119·0	120·9	116·37	
114·1	115·6	122·7	116 2	124·0	123·7	120·0	118·7	119·4	119·8	121·8	121·0	116·00	
110·0	113·0	113·8	116·2	115·5	115·5	—	—	—	—	—	—	114·65	
—	—	—	—	—	—	115·3	119·8	141·1	114·0	118·0	119·0		
119·8	119·0	115·6	115·0	117·0	117·7	117·8	116·2	114·2	116·2	116·7	117·4	115·82	
117·1	116·1	115·7	115·9	117·2	122·0	117·1	116·8	117·0	115·8	119·0	117·2	115·38	
116·0	117·1	116·2	117·0	119·0	117·3	117·4	120·6	116·2	119·0	119·2	121·0	115·77	
114·2	116·2	115·0	115·2	115·7	118·4	119·2	121·6	135·7	123·4	118·4	121·0	117·14	
116·2	115·0	115·0	119·0	116·8	118·6	116·4	112·9	116·0	116·0	118·0	117·4	113·54	
114·0	114·5	115·6	120·8	116·7	115·2	—	—	—	—	—	—	115·54	
—	—	—	—	—	—	118·0	114·9	116·0	117·7	117·6	118·0		
116·7	119·2	116·8	115·8	114·4	115·0	115·0	118·0	117·2	114·8	113·7	120·0	114·97	115·74
116·4	115·7	115·1	115·7	115·8	115·8	116·3	116·2	116·4	117·0	118·0	119·6	116·73	
117·2	109·3	111·2	126·0	140·0	121·2	126·4	117·1	116·1	119·4	115·8	119·5	117·62	
116·42	116·77	117·41	117·38	118·48	118·04	117·80	117·82	117·93	118·23	118·51	119·31	116·44	

[a] Three minutes late.

[b] Two minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
MAY.	1	122·8	122·8	122·0	119·3	114·0	114·0	112·9	112·8	114 2	115·8	117·7	118·0
	2	121·2	121·3	122·0	119·9	115·2	109·9	107·0	106·6	109·0	111·0	113·2	115·6
	3	123·0	123·2	122·0	117·5	112·1	106·0	105·1	104·8	106·1	109·4	112·4	115·0
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	121·2	122·0	122·0	118·6	114·2	108·2	106·5	105·6	106·0	109·1	113·2	115·6
	6	121·8	123·0	122·6	118·7	112·0	112·1	105·4	104·1	105·9	109·6	114·0	115·2
	7	127·7	129·1	128·6	123·9	118·5	107·1	106·2	105·0	108·2	111·7	115·0	117·0
	8	122·8	125·1	125·9	122·5	117·0	112·8	110·3	112·0	108·0	108·2	112·0	114·8
	9	124·0	126·3	127·0	121·0	116·7	110·7	107·4	104·8	104·6	108·5	112·1	114·5
	10	122·0	121·0	122·4	121·0	116·8	110·2	107·2	106·8	106·8	109·0	111·0	112·4
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	123·6	121·8	122·6	119·2	113·0	111·9	111·8	109·5	109·9	110·2	112·4	114·3
	13	122·8	122·9	124·9	119·0	115·7	111·1	109·5	109·1	110·0	110·8	112·0	116·2
	14	121·5	126·0	126·9	125·8	116·8	108·9	105·0	106·0	109·0	111·6	111·7	114·8
	15	125·0	124·0	118·4	118·8	112·9	109·3	106·5	105·6	106·9	110·0	113·8	114·0
	16	125·2	124·0	128·8	122·5	116·1	119·0	102·5	107·5	112·0	113·4	115·8	117·8
	17	121·4	122·2	122·7	121·3[c]	118·7	110·0	107·0	105·8	107·0	108·3	109·5	111·0
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	117·7	119·9	118·8	122·2	118·8	113·8	111·0	111·2	111·8	113·0	115·2	117·5
	20	123·9	125·7	126·1	123·0	114·8	109·0	109·6	110·6	111·2	113·4	115·8	118·2
	21	123·0	123·0	123·3	119·8	112·0	107·6	105·2	104·7	108·2	111·0	113·7	116·0
	22	122·0	124·3	123·0	123·2	118·8	109·2	100·0	99·1	102·0	105·3	109·1	115·2
	23	123·2	124·7	125·7	123·3	118·1	112·3	108·2	106·7	108·2	110·9	114·2	117·0
	24	125·3	127·0	126·0	121·2	114·1	109·9	105·1	105·1	105 3	110·4	112·0	115·2
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	119·4	123·3	125·0	123·7	120·0	114·0	110·4	110·0	105·2	107·2	111·2	114·2
	27	122·3	126·0	125·2	124·0	120·4	114·6	109·0	106·4	106·8	110·3	112·4	114·8
	28	121·0	123·0	125·0	121·6	115·4	108·3	104·8	105·7	106·2	107·0	110·2	114·1
	29	122·2	124·5	122·9	119·0	116·1	114·0	111·0	111·0	112·7	113·7	114·2	115·2
	30	126·9	126·9	125·0	117·2	111·4	104·8	104·1	105·7	106·1	107·3	114·0	114·0
	31	124·0	131·0	134·0	124·8	116·0	109·8	107·4	107·7	110·2	113·6	117·0	121·4
	32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		122·92	124·30	124·40	121·19	115·76	110·69	107·26	107·03	108·13	110·36	113·14	115·39
JUNE.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	123·8	124·8	124·2	122·0	117·2	111·0	108·8	110·2	111·1	112·7	113·8	116·0
	3	122·3	124·0	124·1	122·1	118·7	112·2	108·4	107·8	106·9	109·0	112·9	115·2
	4	129·5	132·0	126·4	122·0[a]	109·2	105·0	104·2	102·7	105·7	108·0	111·9	115·0
	5	124·7	125·2	127·4	124·9	119·1	115·8	110·9	107·0	105·3	106·3	108·6	111·8
	6	123·8	126·0	125·0	123·8	117·0	107·8[b]	104·2	104·2	103·0	103·0	104·2	110·3
	7	125·0	127·0	127·2	124 6	121·0	116·0	109·0	104·8	103·6	104·8	107·6	110·4
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	124·8	127·2	129·0	125·2	118·2	112·8	109·2	106·9	104·0	105·0	107·0	111·0
	10	122·8	124·4	126·2	123·0	116·6	112·9	109·0	109·4	109 0	107·8	110·0	112·0
	11	125·6	127·0	127·9	124·2[a]	121·0	117·2	113·2	110·0	109·0	109·0	111·0	113·6
	12	120·7	122·2	123·2	122·0	119·8	111·3	107·7	103·2	102·0	105·0	109·2	113·3
	13	121·3	122·0	121·2	118·3	116·0	110·4	109·4	108·4	108·0	109·3	112·0	113·4
	14	122·0	124·2	123·2	120·8	117·8	111·8	108·1	107·9	107·8	109·4	111·2	112·6
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	124·2	124·0	122·6	120·5	115·7	112·5	108·4	108·5	109·2	110·8	113·7	116·8
	17	123·0	122·5	121·8	119·0	113·0	105·8	102·1	106·4	108·0	110·2	112·0	114·0
	18	121·2	123·0	121·0	118·0	113·0	109·2	107·0	104·7	104·2	107·0	109·8	112·8
	19	124·7	125·4	125·4	122·0	118·8	112·5	108·9	108·2	108·5	110·0	113·0	114·8
	20	123·6	123·0	122·0	121·5	116·2	109·4	103·8	101·8	103·9	108·0	110·0	113·9
	21	123·2	126·4	123·9	122·2	119·0	113·0	111·3	107·0	107·7	107·8	108·2	110·8
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	123 2	123·6	125·0	124·6	123·0	121·1	117·8	109·5	108·8	109·2	111·1	115·2
	24	120·4	122·2	120·9	121·8	120·4	117·0	112·3	111·0	114·0	110·8	111·7	114·0
	25	121·0	125·0	124·8	121·4	119·6	116·8	112·0	109·4	108·0	109·6	111·3	114·2
	26	122·6	122·4	124·4	122·2	115·7	112·0	105·8	103·3	104·0	106·6	110·8	114·7
	27	121·8	123 2	124·4	123·8	120·9	115·8	111·2	110·0	109·9	110·6	112·0	113·6
	28	115·6	121·8	123·4	119·9	116·5	109·7	108·3	107·5	110·0	113·3	114·4	115·4
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	125·7	125·8	124·9	123·0	120·6	114·7	112·0	108·4	108·7	107·7	113·7	117·0
Hourly Means		123·06	124·57	124·38	122·11	117·76	112·55	108·92	107·13	107·21	108·44	110·84	113·68

[a] Three minutes late. [b] Six minutes late. [c] Five minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
117·0	116·4	115·0	115·2	115·0	115·6	115·6	115·7	115·1	116·0	116·8	118·7	116·60
116·2	116·0	116·0	115·8	116·0	116·0	116·0	116·8	117·4	118·1	118·9	119·4	115·60
116·0	115·3	114·4	112·5	113·9	116·2	—	—	—	—	—	—	114·58
—	—	—	—	—	—	116·4	117·9	118·0	116·0	116·9	119·8	
116·0	116·0	115·6	115·9	116·0	116·0	116·4[a]	116·2	117·0	117·0	118·2	118·8	115·05
117·7	117·2	115·7	115·2	116·0	116·6	119·6	116·9	117·0	115·6	120·2	122·2	115·68
118·2	117·0	116·2	115·9	116·0	116·4	116·8	118·2	118·5	118·1	119·0	120·0	117·01
116·0	115·8	116·5	115·7	115·9	119·8	120·0	117·0	117·0	111·0	118·3	119·5	116·41
116·0	116·2	117·0	116·7	115·3	116·3	116·8	117·6	116·0	118·0	119·0	120·0	115·91
114·1	115·2	110·0	115·8	115·3	110·0	—	—	—	—	—	—	116·06
—	—	—	—	—	—	118·0[b]	123·2	121·6	120·4	120·6	120·6	
115·5	115·0	115·3	115·2	115·2	116·0	116·0	116·6	117·4	117·8	118·9	120·8	115·84
111·4	113·4	118·0	115·0	121·0	116·7	114·5	116·0	117·7	117·9	119·3	123·3	116·18
116·0	123.8	116·8	114·7[c]	113·0	114·2	115·8	125·0	122·0	124·0	120·9	122·0	117·26 } 116·23
115·2	116·0	115·4	115·1	116·2	114·5	113·1	116·0	119·0	120·2	118·9	115·8	115·02
118·3	117·4	116·8	116·0	116·0	116·0	116·8	116·2	116·4	118·2	118·0	120·2	117·12
110·6	111·6	114·0	110·0	118·0	118·6	—	—	—	—	—	—	114·40
—	—	—	—	—	—	115·4	115·8	116·4	114·8	116·4	119·0	
119·6	117·2	116·0	116·8	118·4	116·0	116·0	115·4	114·0	113·2	117·3	121·7	116·35
119·8	117·5	120·9	117·3	116·0	117·3	114·9	117·2	116·3	117·1	118·6	119·8	117·25
116·7	115·2	115·1	115·2	112·2	109·8	117·4	117·0	114·2	119·5	119·8	119·0	114·94
115·9	115·3	116·0	116·0	120·5	121·1	113·0	115·2	116·6	117·2	118·0	120·4	114·85
119·3	117·6	116·0	114·8	114·4	114·0	116·2	115·2	113·0	121·4	121·8	121·8	116·58
116·0	116·2	121·0	120·4	115·1	119·4	—	—	—	—	—	—	116·01
—	—	—	—	—	—	116·0	116·0	116·3	116·0	116·0	117·2	
117·2	117·8	117·1	116·2	115·9	115·6	115·7	115·8	115·2	115·9	116·2	119·0	115·88
115·8	115·8	116·0	115·6	115·6	115·9	115·2	—	—	—	117·0	119·2	116·11
115·8	116·0	115·2	115·0	114·8	115·0	115·8	116·2	116·0	116·2	116·0	119·8	114·75
114·2	117·2	117·2	117·8	113·4	115·2	115·0	116·8	118·0	119·6	121·0	125·6	116·98 } 116·05
113·0	115·7	110·8	115·2	113·4	126·4	116·3	118·6	97·6	122·0	128·8	127·0	115·34
123·2	119·0	118·8	120·0	121·0	120·0	—	—	—	—	—	—	118·25
—	—	—	—	—	—	117·0	118·0	113·0	116·6	116·5	118·0	
116·32	116·40	116·25	115·74	115·91	116·69	116·14	117·15	116·03	117·61	118·79	120·32	116·00
—	—	—	—	—	—	—	—	—	—	—	—	
118·1	118·4	116·1	116·1	116·4	117·0	116·0	115·0	115·0	114·6	115·7	119·3	116·39
111·0	116·3	115·7	115·0	115·0	120·0	116·7	118·2	117·0	117·2	119·8	125·8	116·55
117·0	120·0	118·2	120·6	119·0	115·8	114·0	115·4	116·2	112·2	108·1	122·9	115·46
115·0	115·7	116·0	115·0	113·8	117·1	115·2	115·9	115·0	116·3	118·7	121·0	115·90
112·5	112·8	113·6	114·6	114·4	114·7	115·0	116·3	116·7	117·3	118·0	121·2	114·14
113·0	114·3	114·0	115·4	116·2	114·0	—	—	—	—	—	—	115·97 } 115·36
—	—	—	—	—	—	118·5	120·0	120·0	118·2	117·8	121·0	
113·2	113·0	112·8	114·0	114·0	116·8	116·2	115·8	116·8	117·0	117·0	121·4	115·35
112·6	114·1	113·6	114·2	114·5	114·0	120·3	120·1	117·4	114·6	123·7	121·0	115·97
115·0	115·4	116·2	119·0	114·3	114·6	114·4	115·0	116·0	117·0	116·9	118·0	116·69
115·0	115·4	117·4	116·2	115·0	114·3	114·4	115·7	115·6	116·1	117·0	120·0	114·67
114·8	115·0	114·7	113·8	114·0	114·6	114·8	115·2	115·8	115·8	116·8	118·8	114·74
114·6	116·0	114·6	115·0	114·8	115·8	—	—	—	—	—	—	115 30
—	—	—	—	—	—	116·1	115·8	117·2	116·8	117·0	117·0	
118·0	116·0	116·3	113·6	113·4	113·0	113·2	116·2	114·8	114·0	117·2	120·6	115·55
113·6	116·4	114·5	114·2	113·7	116·0	114·4	115·2	116·0	117·0	119·0	120·2	114·54
114·4	115·4	115·0	114·8	114·2	115·0	116·1	115·3	114·9	117·0	119·0	123·0	114·37
115·0	115·3	114·1	118·0	114·9	119·4	116·0	108·8	119·0	117·0	120·7	123·2	116·40
114·0	115·0	113·9	116·5	113·8	116·4	115·4	116·2	118·0	118·8	118·7	118·9	114·70
113·0	115·3	115·0	115·0	115·0	114·7	—	—	—	—	—	—	115·16
—	—	—	—	—	—	114·2	114·0	115·4	114·0	116·8	120·9	
117·0	117·0	116·0	115·7	119·0	120·2	117·4	114·4	114·0	115·8	118·6	119·0	117·34
116·4	115·8	115·4	114·8	114·0	114·2	114·2	115 0	113·2	116·1	116·7	117·7	115·83
117·0	116·0	115·0[d]	114·2	114·2	113·3	113·3	114·2	114·3	114·7	116·0	119·2	115·60 } 115·90
115·7	115·0	114·5	114·0	114·1	114·0	114·2	115·2	115·0	114·4	112·2	120·4	114·30
114·2	115·0	113·2	112·0	115·4	115·8	116·0	117·4	120·4	117·5	116·4	116·5	116·12
113·0	110·0	116·0[e]	127·7	119·2	117·0	—	—	—	—	—	—	116·42
—	—	—	—	—	—	113·2	121·0	118·8	115·6	122·1	122·6	
120·0	118·2	123·8	126·8	127·0	119·1	121·4	120·6	117·0	110·8	116·0	119·0	118·41
115·28	115·47	115·42	116·25	115·57	115·87	115·62	116·07	116·38	115·83	117·44	120·34	115·67

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
JULY.	1	122·0	124·0	122·8	123·8	120·0	114·6	112·6	111·4	110·2	110·4	110·4	112
	2	121·0	125·0	125·0	123·8	121·6	117·8	108·2	106·0	105·0	105·3	107·8	110
	3	121·8	122·8	123·2	121·0	118·5	113·1	111·1	108·0	106·0	106·1	107·5	109
	4	121·1	123·7	127·0	126·2	124·8	118·7	113·0	107·0	103·0	102·0	106·0	110
	5	123·8	124·1	122·5	120·7	115·7	109·1	105·7	103·8	104·0	106·0	107·6	110
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	122·6	127·0	127·0	124·0	119·0	109·2	103·2	97·4	97·6	101·7	107·3	112
	8	124·0	127·4	129·0	126·4	121·5	111·6	106·0	106·2	102·3	104·1	106·8	112
	9	121·8	123·7	122·5	120·0	116·0	110·8	108·1	104·9	106·7	107·7	108·8	112
	10	116·8	124·0	125·0	127·0	124·1	119·6	117·0	113·4	112·1	111·7	112·2	113
	11	121·9	123·9	125·9	124·0	119·8	115·0	109·2	107·4	108·0	111·1	110·3	111
	12	123·2	124·8	124·8	121·0	121·0	115·2	114·0	111·4	108·2	108·4	109·2	112
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	121·7	125·0	126·0	124·6	121·0	115·8	113·0	106·6	105·1	104·3	106·7	110
	15	119·4	123·6	124·0	123·0	115·7	113·8	110·6	108·0	109·6	108·2	109·0	112
	16	123·0	125·0	125·4	123·7	119·0	111·8	105·2	104·2	104·5	106·3	109 7	112
	17	123·9	127·3	129·4	124·0	117·1	111·0	106·4	104·7	102·8	106·4	109·0	112
	18	123·4	126·1	126·0	125·0	120·0	111·8	105·8	104·1	106·2	104·4	108·4	112
	19	124·4	124·6	127·0	123·8	116·0	108·4	102·6	100·6	102·2	106·8	110·0	114
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	121·8	120·9	123·4	124·0	123·0	116·0	109·0	105·3	106·2	106·8	108·2	112
	22	120·0	121·0	120·4	119·9	116·0	112·0	108·6	105·0	103·2	104·0	105·6	108
	23	122·9	126·2	126·2	126·1	117·2	111·0	105·7	103·0	102·4	105·4	108·6	112
	24	119·0	120·4	120·4	122·0	117·0	109·7	108·0	106·1	106·7	109·4	115·0	111
	25	120·0	120 0	124·2	121·2	117·7	115·0	111·1	105·0	107·7	111·2	114·0	112
	26	119·8	122·8	120·6	122·3	120·0	116·2	111·4	107·7	108·0	108·0	108·8	110
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	118·2	120·0	119·9	118·8	113·0	111·0	109·8	109·1	106·2	109·3	110·5	112
	29	118·8	121·0	120·9	118·3	115·5	110·7	108·7	108·0	107·8	110·0	110·2	111
	30	122·3	123·7	127·4	126·0	117·2	110·0	106·2	100·0	101·2	105·4	107·5	109
	31	120·2	121·8	121·2	119·0	116·2	114·0	110·9	108·4	108·8	109·6	110·5	112
Hourly Means		121·44	123·70	124·34	122·95	118·65	113·07	108·93	106·03	105·62	107·04	109·16	111
AUGUST.	1	126·2	129·4	132·8	119·2	116·8	98·4	100·3	100·0	103·0	107·8	112·7	116
	2	125·2	126·8	124·3	117·9	114·0	111·4	107·9	105·0	106·7	107·5[b]	112·0	113
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	103·0	118·0	119·2	119·2	109·2	111·0	107·3	108·8	108·0	109·0	111·4	113
	5	118·7	126·3	124·5	120·4	114·2	105·8	104·7	105·8	107·8	109·0	111·8	113
	6	120·0	124·8	122·8	118·7	113·0	108·2	106·9	105·3	101·3	108·9	109·8	112
	7	125·2	125·4	124·4	120·4	117·0	109·6	106·1	106·2	106·9	109·0	110·6	113
	8	123·2	123·9	125·1	122·0	117·8	114·2	109·3	107·9	108·6[b]	109·0	111·7	112
	9	121·0	127·2	125·7	120·3	115·1	110·9	103·3	101·0	102·0	105·2	109·0	112
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	121·0	124·0	124·2	121·0	117·0	110·0	105·2	102·8	103·0	106·2	110·0	112
	12	120·0	121·8	122·0	118·2	111·0	105·0	101·5	101·4	104·8	108·2	111·2	112
	13	123·2	123·4	125·8	121·9	114·0	106·7	102·9	101·8	102·8	105·8	109·4	112
	14	120·4	123·7	123·0	119·6	115·0	109·9	104·9	102·0	103·8	106·6	108·8	112
	15	129·0	128·0	133·8	112·0	104·9	106·1	103·7	100·0	106·2	111·0	113·0	116
	16	122·6	124·0	124·0	119·8	113·0	106·4	103·0	103·0	102·6	106·2	112·0	115
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	122·0	115·4	119·0	122·4	118·2	109·8	107·3	105·0	107·0	110·4	113·0	115
	19	121·8	126·6	127·0	123·4	115·0	110·5	104·4	102·7	102·2	104·7	110·0	112
	20	120·5	123·5	124·2	122·9	117·7	110·7	104·9	102·3	103·8	108·2	111·7	114
	21	120·0	122·2	123·2	121·8	116·9	111·2	106·0	103·8	104·0	106·0	110·0	112
	22	121·4	125·9	127·0	123·8	116·0	109·0	104·0	102·8	103·2	106·8	111·0	112
	23	118·2	120·4	122·0	121·4	116·2	110·0	107·8	103·4	104·8	108·0	109·5	111
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	115·6	119·8	121·8	119·0	112·4	108·4	104·8	104·2	107·0	109·2	111·8	112
	26	121·9	123·2	124·8	126·0	117·6	103·9	100·9	101·2	108·0	109·8	112·3	113
	27	120·2	121·8	122·2	119·4	115·0	110·2	106·8	105·5	105·9	108·0	112·2	114
	28	119·8	122·5	122·0	119·2	115·6	111·3	107·4	106·0	106·0	107·7	113·2	112
	29	121·0	118·2	128·0	124·0	114·6	109·8	108·0	105·0	105·3	106·5	99·0	108
	30	126·6	122·0	120·6	115·0	108·2	107·8	102 2	99·6	103·2	107·2	111 8	116
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		121·07	123·47	124·36	120·34	114·44	108·70	105·06	103·79	105·15	107·77	110·73	112

[a] Seven minutes late.

[b] Two minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means.	
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
112·2	112·5*	113·8	115·8	121·3	119·8	115·0	116·4	119·0	116·4	118·5	112·8	116·11	
113·9	114·3	115·0	114·0	115·0	115·3	119·0	124·0	116·2	113·0	115·4	118·4	115·42	
113·0	115·2	114·0	113·7	115·5	115·0	114·7	114·4	114·5	115·7	115·6	119·8	114·58	
112·6	115·2	114·0	114·2	114·7	119·2	116·6	114·8	113·1	114·8	117·0	119·6	115·35	
115·2	115·9	115·6	118·4	122·8	120 1	—	—	—	—	—	—	114·02	
—	—	—	—	—	—	114·2	113·0	113·4	114·9	105·9	124·8		
115·5	128·1	113·4	114·0	112·9	113·2	113·8	114 8	115·9	111·6	116·0	118·7	114·00	
115·0	116·0	115·0	113·9	116·2	121·5	120·0	121·0	116·2	117·0	118·0	119·0	116·09	
114·9	115·5	115·0	118·0	121·2	114·2	114·0	113·8	114·2	115·8	115·4	116·2	114·62	115·29
114·4	115·2	114·7	115·2	121·4	120·2	117·1	116·4	115·0	114·2	116·2	118·9	117·30	
114·8	116·0	114 2	114·0	114·4	116·5	125·2	118·1	119·0	119 2	118·6	121·0	116·70	
113·8	114·7	114·0	114·3	115·0	118·0	—	—	—	—	—	—	115·68	
—	—	—	—	—	—	114·3	115·0	115·0	115·5	116·0	117·6		
112·4	114·8	113·9	113·6	114·2	113·9	115·3	117·0	115·7	115·4	116·2	116·8	114·96	
113·1	114·5	114·0	114·8	114·8	113·7	114·0	114·6	115 2	113·3	114·5	120·5	114·75	
116·0	114·4	115·8	113·4	113·6	114·0	113·8	114·8	115·0	114·7	116·7	118·8	114·66	
115·0	113·8	113·0	112·2	113·2	113·1	115·2	115·8	115·9	116·8	117·2	119·1	114·80	
115·0	117 0	116·4	114·4	115·0	114·2	114·8	116·2	115·5	121·0	118·6	123·0	115·62	
115·9	116·8	116·2	117·4	123·8	119·4	—	—	—	—	—	—	115·35	
—	—	—	—	—	—	115·4	115·0	117·0	114·3	117·0	119·6		
113·3	114·0	114·0	116·0	115·0	114·6	114·7	115·4	116·0	115·2	114·5	117·6	114·83	
112·0	115·0	115·2	114·6	114·2	114·4	114·0	118·2	120·0	117·3	118·8	124·5	114·28	115·35
115·8	117·4	115·8	116·0	121·8	119·7	124·2	120·0	114·6	114·3	114·8	116·0	115·73	
116·4	117·0	121·6	129·0	124·2	129·1	125·0	136·8	136·8	127·8	132·1	120·8	120·05	
111·1	113·0	114·2	113·2	116·6	119·1	116·5	121·0	117·0	115·0	114·6	116·2	115·31	
115·0	114·8	114·4	119·2	116 0	115·0	—	—	—	—	—	—	115·32	
—	—	—	—	—	—	122·8	116·7	114·0	112·8	114·9	116·2		
113·0	114·2	112·2	114·4	114·3	116·8	111·8	115·0	113·9	114·0	114·0	117·9	113·85	
113·5	114·2	114·0	114·0	114·2	114·2	115·5	114·3	115·8	115·2	116·5	122·8	114·40	
112·0	113·0	113·0	113·2	116·8	113·9	114·1	110·9	115·2	109·8	111·3	116·5	113·18	
113·8	114·2	113·7	114·0	114·0	114·3	114·8	115·8	116·8	117·0	118·5	121·1	115·03	
114·02	115·43	114·67	115·37	116·74	116·76	116·60	117·01	116·51	115 60	116·40	118·67	115·26	
117·3	115·0	120·0	136·0	124·2	132·0	125·8	120·8	119·6	116·2	111·4	122·0	117·55	
111·0	116·0	125·3	116·4	124·2	127·6	—	—	—	—	—	—	114·62	
—	—	—	—	—	—	114·0	116·9	97·6	118·8	107·4	101·0		
114·6	115·8	116·0	116·0	132·2	123·8	110·2	113·2	115·0	111·9	112·9	115·5	114·14	114·69
115·3	114·4	113·6	113·0	120·8	119·3	110·0	108·9	114·7	116·0	116·0	119·4	114·34	
116·3	114·2	114·8	117·3	117·8	116·7	117·0	122·0	125·0	119·8	101·0	119·8	114·99	
116·0	128·0	116·1	140·0	116·2	117·0	113·2	115·0	114·4	110·2	114·8	119·7	116·44	
114·8	114·0	118·0	117·1	121·2	115·4	114·5	114·8	116·1	116·8	109·2	113·0	115·41	
113·8	118·8	114·2	121·0	118·4	114·9	—	—	—	—	—	—	114·03	
—	—	—	—	—	—	114·0	111·5	109·0	114·2	116·2	117·8		
114·6	114·2*	114·2	114·2	115·3	113·3	113·4	113·8	114·0	114·2	114·7	116·8	113·75	
113·8	114·2	113·2	113·8	113·3	114·8	114·0	114·2	114·8	113·2	113·0	117·2	112·78	
115·0	114·0	113·0	112·2	112·0	114·8	114·2	115·0	114·6	115·4	117·2	117·4	113·61	
115·0	115·4	113·0	112·6	112·8	115·5	118·4	113·9	112·8	116·2	120·0	123·2	114·06	
116·6	117·0	113·6	114·0	112·9	113·8	113·9	114·0	115·2	115·5	116·0	117·2	114·51	
116·9	114·9	114·0	114·4	113·9	117·0	—	—	—	—	—	—	115·05	
—	—	—	—	—	—	122·7	119·3	120·5	114·7	119·7	121·0		
115·8	114·5	114·2	113·8	113·3	113·0	113·0	113·6	113·4	114·4	113·7	110·9	113·67	
113·0	113·3	113·7	118·0	116·2	118·2	120·0	113·8	115 8	114·9	115·2	119·2	114·66	114·21
115·0	113·6	113·4	115·1	113·5	113·4	114·0	114·1	114·4	115·2	116·0	117·0	114·13	
113·2	112·8	112·8	113·8	113·3	113·2	114·0	117·1	115·9	116·2	117·7	118·8	114·00	
114·8	114·8	110·9	113·3	115·8	126·0	121·2	125·9	118·2	120·4	116·5	118·0	115·82	
113·4	114·8	114·2	114·0	115·0	115·1	—	—	—	—	—	—	113·82	
—	—	—	—	—	—	115·0	117·2	115·8	115·6	114·0	114·8		
113·6	112·8	113·3	113·2	113·0	113·4	113·8	114·7	115·1	117·2	117·6	120·9	113·57	
113·2	112·0	112·0	117·7	112·0	113·4	114·0	114·0	107·5	114·0	116·2	117·2	113·58	
113·4	112·6	110·2	113·5	113·6	113·3	113·8	114·0	115·2	114·8	115·8	116·1	113·78	
113·6	113·2	113·8	113·0	114·2	115·5	112·4	117·0	116·0	128·4	130·5	127·5	115·79	
114·0	124·8	109·1	123·7	118·0	119·0	122·0	105·0	110 0	131·8	108·0	119·0	114·73	
123·2	115·8	112·9	117·0	116·0	118·0	—	—	—	—	—	—	112·40	
—	—	—	—	—	—	104·5	111·8	110·0	109·8	113·4	106·7		
115·01	115·42	114·33	117·08	116·50	117·21	115·12	115·06	114·26	116·38	114·77	117·20	114·43	

* Seven minutes late.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0'·721. Increasing numbers denote decreasing Westerly Declination.

Mean Göttingen Time.		0h.	1h.	2h	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
SEPTEMBER.	1	119·9	121·8	124·3	120·4	109·9	102·8	100·2	101·0	103·0	108·0	112·6	119·0
	2	116·7	123·0	124·1	113·3	106·4	102·2	103·8	105·2	106·3	108·2	120·0	114·5
	3	112·8	120·0	118·2	109·6	100·4	98·9	100·1	103·4	103·3	106·0	111·1	114·0
	4	121·2	121·0	122·2	118·4	114·8	103·0	101·2	103·6	105·9	109·2	113·7	113·2
	5	120·0	122·8	122·0	117·7	111·2	105·3	103·3	103·8	104·7	109·7	112·9	116·0
	6	121·1	124·6	122·8	116·4	111·0	106·4	102·5	102·7	103·8	107·0	112·0	115·0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	119·5	113·4	114·3	112·7	109·8	109·4	103·8	102·4	104·6	107·2	110·0	112·3
	9	118·3	115·0	117·0	118·6	115·4	112·0	108·2	105·6	100·0	109·6	111·2	114·0
	10	120·2	121·0	120·4	118·7	113·3	109·8	108·4	107·9	108·4	110·8	112·5	113·0
	11	120·8	115·3	117·9	115·3	108·0	107·4	107·4	107·8	109·3	110·5	113·7	115·0
	12	120·5	128·0	124·9	119·3	113·0	106·7	100·3	104·7	104·4	109·2	113·0	115·0
	13	121·3	121·0	117·0	116·8	112·0	109·0	104·5	107·0	108·0	105·4	111·0	113·2
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	117·0	118·6	116·5	114·0	109·0	103·4	103·0	103·6	105·8	109·6	112·0	113·0
	16	118·2	120·0	118·0	113·2	107·9	105·8	104·4	104·8	107·5	110·4	110·3	113·0
	17	119·2	118·6	117·4	116·2	113·2	108·0	104·7	104·4	104·8	108·0	110·8	110·0
	18	121·8	123·2	119·9	115·9	110·0	105·6	105·3	104·1	107·0	109·0	112·4	113·8
	19	124·8	122 3	122·0	115·0	109·0	105·0	105·0	103·8	106·3	107·0	111·0	112·0
	20	118·6	121·0	120·5	117·6	115·0	107·4	108·0	107·4	108·2	109·4	111·6	111·4
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	116·2	118·8	118·6	117·0	114·2	109·4	106·4	107·0	111·2	111·0	112·2	112·0
	23	116·4	116·4	115·6	114·5	112·2	111·0[b]	110·1	109 5	110·0	111·6	111·2	111·0
	24	118·0	120·1	121·1	116·2	112·2	109·2	105·1	107·0	109·5	109·3	111·0	112·4
	25	117·2	114·5	84·2	99·3	105·2	111·2	91·6	100 1	107·8	109·6	109·4	113·8
	26	114·2	115·8	117·0	112·0	109·8	109·4	108·7	109·0	109·6	111·0	112·4	112·0
	27	115·0	106·2	115·2	116·3	113·0	104·4	102·1	104·6	103·2	103·9	107·9	122·0
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	110·2	117·0	115·6	112·4	111·2	107·0	105·3	104 1	108·0	108·0	109·7	112·0
	30	114·4	116·5	115·2	114·3	112·0	108·5	105·8	105·3	107·0	109·0	111·9	113·0
Hourly Means		118·21	119·07	117·53	115·03	110·73	106·89	104·20	104·99	106·68	108·75	111·83	113·7
OCTOBER.	1	106·8	113·0	116·7	117·7	115·0	107·5	105·0	103·2	104·8	109·2	110·4	110·0
	2	116·8	117·2	119·4	118·7	115·2	111·0	105·0	105·0	106·5	109 8	112·0	113·0
	3	117·0	115·2	116·0	116·4	115·7	111·2	104·5	106·2	107·0	109·4	111·7	112·0
	4	115·0	117·0	118·4	118·0	115·4	112·0	109·8	107·0	107·2	109·1	111·2	112·0
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	118·2	118·4	119·1	115·5	110·4	108·1	105·2	105·0	106·0	108·0	110·0	112·0
	7	115·1	116·4	115·4	115·2	113·8	111·2	108·0	107·0	108·5	110·0	111·0	110·0
	8	115·0	115·0	115·8	115·7	115·6	114·0	110·2	109·2	109·4	110·0	110·4	109·0
	9	115·0	115·4	115·3	116·4	116·5	118·2[b]	110·0	108·8	108·5	107·4	106·9	108·2
	10	106·6	108·2	107·5	111·5	113·0	109·3	107·8	107·6	106·7	109·0	110·0	112·0
	11	113·8	108·4	115·0	114·3	113·0	111·9	109·5	109·8	110 8[a]	111·2	111·2	112·0
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	114·4	115·5	115·0	112·0	109·7	108·0	107·2	109·0	111·0	112·2	113·2	112·8
	14	116·0	115·2	117·0	116·2	112·8	108·2	108·0	107·2	109·4	112·2	113·4	113·0
	15	116·0	118·0	118·8	113·7	109·8[b]	101·2	101·0	103·8	107·0	109·8	110·8	112·0
	16	116·8	118·0	118 2	116·9	113 1	109·6	107·2	108·6	110·8	112·0	113·2	113·0
	17	118·0	120·5	121·0	113·0	107·0	106·7	106·0	106·0	108·8	111·0	111·0	112·0
	18	116·9	118·8	119·9	118·2	115·0	111·6	110·0	109·6	111·0	110·6	111·0	110·0
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	114·2	112·5	113·8	97·0	102·0	111·2	109·8	109·8	109·2	110·4	112·4	112·0
	21	119·4	107·0	110·2	112·0	110·3	110·9	111·0	110·1	110·2	110·0	104·9	110·0
	22	114·1	115·6	117·0	115·5	115·1	108·2	111·3	110·1	110·8	111·8	113·0	113·0
	23	115·0	116·0	116·1	116·0	114·0	112·0	111·6	111·7	111·0	111·1	111·7	112·0
	24	112·0	110·9	110·0	109·1	110·0[a]	108·8	108·3	113·0	110·0	110·4	110·0	113·0
	25	116·1	115·0	117 0	115·0	112·2	110·4	108·0	109·6	110·0	111·0	110·8	111·0
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	111·4	112·7	115·2	115·4	111·7	107·4	107·8	109·0	109·3	109·8	110·6	111·0
	28	115·8	116·6	118·7	119·8	116·3	113·0	111·4	111·0	111·5	112·0	112·0	112·0
	29	112·6	117·1	120·0	117·0	114·9	110·5	108·0	107·2	107·6	109·1	110·6	111·0
	30	116 2	118·3	118·0	117·8	117·7	112·0	108·2	107·0	109·0	109·8	117·4	112·0
	31	115·8	117·3	118·9	119·0	116·0	112·3	109·3	109·4	109·2	110·4	110·0	109·0
Hourly Means		114·81	115·16	116·42	114·93	113·01	110·21	108·11	108·18	108·93	110·25	110·77	111·8

[a] Ten minutes late. [b] Five minutes late.

DECLINATION.

Angular Value of one Scale Division of the Declinometer = $0'.721$. Increasing numbers denote decreasing Westerly Declination.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Means.	
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
119·2	115·2	116·8	122·4	124·0	126·2	125·6	113·2	—	—	—	—	115·27	
117·5	120·8	114·0	121·0	113·2	110·8	110·0	110·0	112·7	114·3	116·3	112·0	112·92	
114·8	114·9	113·0	113·2	113·6	110·0	107·8	114·0	117·4	118·0	113·1	121·0	111·19	113·68
115·7	121·0	112·5	116·0[a]	117·0	113·0	113·0	113·2	114·4	114·6	116·0	116·8	113·78	
115·0	115·0	113·7	113·2	113·6	113·0	114·2	114·6	111·0	115·2	117·8	116·1	113·33	
115·0	115·0	115·2	114·8	113·7	113·4	—	—	—	—	—	—	113·28	
—	—	—	—	—	—	118·8	115·2	107·9	102·7	119·0	122·6		
112·5	114·8	122·6	113·6	113·0	113·9	112·8	116·1	115·3	120·4	121·2	125·2	113·33	
113·8	119·0	120·6	118·3	114·6	114·2	113·2	114·2	116·0	114·0	117·0	120·0	114·41	
113·0	113·9	113·2	113·0	112·0	114·5	112·8	117·0	118·0	118·4	118·2	117·6	114·43	
115·0	114·2	113·7	113·7	122·0	122·4	120·0	113·0	119·2	117·7	116·4	112·0	114·49	
113·2	113·0	120·4	115·4	113·2	113·4	111·8	111·5	112·5	110·6	120·7	119·7	114·02	
112·4	112·5	112·8	112·0	112·0	112·0	—	—	—	—	—	—	112·63	
—	—	—	—	—	—	112·8	112·8	113·7	114·0	114·9	115·0		
112·4	112·8	113·0	116·1	112·8	112·0	110·0	112·2	115·0	117·0	117·2	116·0	112·19	
112·0	112·2	110·8	112·6	113·3	116·0	113·1	115·6	115·0	116·2	117·3	117·2	112·70	
113·1	111·3	118·1	124·0	116·2	113·4	113·6	125·6	115·8	131·6	126·8	121·2	115·27	113·75
114·0	114·2	123·0	113·6	117·0	114·7	121·8	102·8	120·3	123·7	119·5	124·3	114·87	
112·2	112·8	112·2	115·9	114·1	111·0	115·9	117·5	112·3	125·0	118·1	117·0	113·64	
113·5	111·2	114·3	110·8	129·0	117·8	—	—	—	—	—	—	114·00	
—	—	—	—	—	—	113·1	114·0	115·0	107·7	116·7	116·4		
113·0	112·4	112·4	112·6	112·4	113·2	111·6	116·4	114·4	114·2	114·6	115·4	113·20	
109·7	110·9	112·2	111·4	112·0	115·2	120·0	115·4	116·2	116·4	117·2	119·0	113·55	
113·0	110·2	113·2	109·5	117·0	126·5	128·0	126·3	107·1	100·6	116·0	126·5	114·37	
121·3	117·4	113·4	119·4	148·0	112·8	113·1	100·1	110·2	119·0	117·3	109·4	111·05	
113·0	111·2	110·9	113·8	113·6	110·9	113·0	115·3	109·6	107·5	115·0	121·2	112·33	
118·4	116·9	113·2	133·3	113·0	123·0	—	—	—	—	—	—	113·16	
—	—	—	—	—	—	116·2[c]	113·2	113·0	114·4	115·4	112·0		
114·2	116·0	116·9	123·0	118·4	113·2	113·2	111·0	113·9	116·0	113·5	111·8	112·61	
114·2	114·7	112·4	112·7	116·0	111·9	114·1	113·0	113·8	114·0	114·2	112·1	112·33	
114·31	114·33	114·79	115·97	116·72	114·94	114·98	113·97	113·99	115·33	117·18	117·50	113·39	
113·2	114·2	118·0	114·3	116·4	114·1	112·6	114·0	118·0	111·8	115·0	115·0	112·58	112·69
113·2	113·0	112·5	112·4	113·0	112·1	112·3	113·0	113·0	112·0	113·8	105·0	112·29	
114·1	113·0	127·2	114·8	115·0	114·7	114·3	114·0	113·2	113·3	114·0	114·8	113·55	
112·2	112·9	113·2	113·0	112·2	113·0	—	—	—	—	—	—	113·25	
—	—	—	—	—	—	113·1	115·5	112·2	117·0	116·4	114·7		
112·6	112·4	113·2	113·4	113·0	115·6	112·6	115·1	114·5	114·8	114·8	114·8	112·61	
109·9	116·2	112·0	112·2[b]	112·0	112·4	113·1	107·4	114·2	114·3	113·8	113·0	112·17	
112·2	110·4	114·0	111·8	113·0	113·0	115·0	114·0	113·6	116·1	116·0	115·4	113·13	
125·8	106·0	107·3	110·8	112·8	114·8	117·0	112·0	122·0	120·4	130·2	119·2	114·25	
113·2	113·8	112·0	113·4	112·4	111·0	114·8	116·2	113·8	120·2	112·6	119·0	111·74	
112·0	112·6	114·0	111·4	112·6	112·0	—	—	—	—	—	—	112·66	
—	—	—	—	—	—	115·7	113·8	113·4	113·8	115·7	116·0		
112·8	113·0	112·6	112·8	112·3	112·8	113·0	118·0	117·3	115·6	114·8	115·0	112·88	
110·0	112·2	113·0	114·9	112·1	112·2	112·4	113·0[a]	113·2	114·0	114·8	115·8	112·92	113·40
113·2	113·0	113·0	112·8	111·8	112·2	114·8	111·2	114·0	114·4	116·0	115·8	111·84	
112·0	112·8	112·0	112·2	115·8	114·7[d]	114·0	122·1	128·4	128·5	119·0	117·2	115·23	
107·2	110·8	111·0	113·2	117·3	117·0	112·8	114·6	115·8	115·0	115·6	116·0	112·81	
111·7	112·5	111·4	116·0	114·7	116·2	—	—	—	—	—	—	114·03	
—	—	—	—	—	—	115·5	112·8	114·3	116·2	116·0	117·2		
111·0	117·0	113·0	115·0	115·0	112·6	120·0	131·1	127·0	121·8	126·9	120·6	114·39	
112·8	122·4	125·2	144·1	131·2	117·0	113·0	113·2	111·7	115·0	114·2	112·0	114·93	
112·8	113·0	114·2	113·2	114·0	111·9	113·8	112·9	113·2	115·0	115·3	115·7	113·30	
112·4	112·2	112·4	112·6	113·2	113·8	113·2	115·0	114·3	119·9	115·4	120·4	113·87	
113·4	112·8	112·2	117·4	117·3	121·9	125·2	127·2	119·0	120·2	118·6	120·0	114·58	
112·0	113·0	113·1	112·8	116·0	117·0	—	—	—	—	—	—	113·11	
—	—	—	—	—	—	114·0	113·2	113·2	114·0	115·0	115·2		
112·5	113·0	113·0	113·2	113·0	113·2	115·9	114·4	114·0	114·2	115·8	115·8	112·50	
111·7	112·8	111·5	114·2	112·0	112·6	116·0	114·2	114·4	114·0	114·8	116·0	113·93	
111·0	113·0	113·0	114·2	114·7	116·2	114·2	114·4	114·8	114·8	114·9	115·8	113·20	113·28
112·6	113·4	114·0	113·8	112·9	113·9	113·5	113·4[e]	113·2	114·0	114·7	114·2	113·22	
108·8	110·2	114·0	120·9	114·0	111·7	112·2	111·0	113·2	110·0	122·9	124·0	113·76	
112·60	113·02	113·85	114·84	114·43	114·06	114·60	115·06	115·51	115·94	116·56	116·04	113·29	

[a] Two minutes late. [b] Six minutes late.

DECLINATION.

Angular Value of one Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

	Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	12h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
NOVEMBER.	1	116·0	116·4	116·2	116·8	109·2	106·2	100·0	104·0	104·5	105·2	104·3	106·[illegible]	114·2
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	115·6	118·0	120·4	117·0	116·7	112·8	109·3	108·5	108·0	109·2	110·4	114·[illegible]	113·0
	4	115·4	117·0	118·2	117·0	115·8	109·3	108·3	108·1	106·2	107·7	109·8	110·[illegible]	110·2
	5	117·0	118·0	117·8	107·8	99·8	96·6	97·8	99·0	100·0	106 0	110·0	113·[illegible]	114 7
	6	115·0	116·0	118·8	119·2	117·0	114·2	113·0	110·2	110·2	112·0	112·2	112·[illegible]	113·0
	7	118·0	115·2	115·0	112·2	109·9	108·4	106·2	104·5	106·9	107·3	108·8	111·[illegible]	108·7
	8	114·0	116·0	115·8	116·7	116·8	113·0	110·7	109·2	110 0	111·0	111 8	112·[illegible]	113·0
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	116·5	117·6	116·3	115·8	112·5	109·8	108·6	107·2	108·8[a]	111·1	111·8	112·[illegible]	112·0
	11	114 6	115·1	116·3	114·3	111·9	107·5	100·9	108·0	109·2	111·0	113·2	113·[illegible]	114·4
	12	117·2	118·0	119·2	117·4	113·0	109·2	107·0	107·1	109·1	109·0	111·8	113·[illegible]	114·3
	13	116·2	117·0	118·2	117·6	115·0	111·4	108·8	109·0[b]	110·2	112·2	113·0	113·[illegible]	114·0
	14	115·0	116·2	118·0	116·1	112·2	108·0	106·0	106·4	109·0	110·0	112·5	113·[illegible]	114·1
	15	115·2	116·2	118·4	117·1	113·8	110·0	107·7	107·0	108·2	111·2	112·8	113·[illegible]	113·4
	16	—	—	—	—	—	—	—	—	—	—	—	—	—
	17	109·8	122·5	119·2	119·0	119·2	107·4	106·4	106·5	104·0	103·4	112·0	112·[illegible]	115·8
	18	113·8	116·7	116·0	112·4	111·0	107·6	110·6	108·0	106·8	109·2	111·4	110·[illegible]	114·2
	19	112·2	114·4	119·0	116·2	112·3	111·2	109·2	109·3	108·9	110·8	111·1	112·[illegible]	112·9
	20	113·4	114·8	115·6	118 6	115·8	112·7	109·7	108·8	109·2	110·8	111·0	112·[illegible]	113·7
	21	112·2	114·8	116·2	117·0	114·0	113·1	110·7	109·0	110·0	111·3	111·9	113·[illegible]	113·0
	22	114·1	115·0	116·5	116·0	113·4	111·1	110·0	109·4	109·2	111·4	111·2	112·[illegible]	113·6
	23	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	115·0	116·1	117·0	117·2	116·0	110·2	109·7	108·8	110·2	112·0	112·2	112·[illegible]	111·0
	25	114·2	114·0	114·4	111·2	114·0	111·7	111·0	109·1	111·1	112·1	111·9	112·[illegible]	112·6
	26	114 0	114·6	115·4	114·0	112·2	111·0	109·3	109 4	110·4	112·0	113·0	111·[illegible]	112·8
	27	115·4	116·8	117·2	117·1	114·4	111·8	110·7	109·8	110·9	112·2	111·2	111·[illegible]	111·4
	28	104·4	115·5	119 6	119·0	115·2	111·8	110·0	110·2	(12 0	111·4	114·8	116·[illegible]	116·6
	29	115·4	117·0	115·0	114·8	115·1	107·9	109·0	106·0	109·0	112·0	112·4	114·[illegible]	115·8
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		114·38	116·36	117·19	116·02	113·45	109·76	108·26	107·70	108·48	110·06	111·46	112·[illegible]	113·42
DECEMBER.	1	115·8	116·0[d]	116·4	116·6	115·4	112·0	109·4	108·2	109·2	109·4	112·2	114·[illegible]	116·0
	2	117·6	117·9	115·6	115·2	114·2	113·2	111·1	110·1	111·5	113·0	114·0	113·[illegible]	115·2
	3	111·0	111·0	121·2	114·4	94·0	97·0	102·0	102·0	106·1	112·4	109·8	102·[illegible]	106·0
	4	114·9	115·0	114·2	115·5	114·8	113·0	109·3	109·0	109·4	111·0	112·0	113·[illegible]	116·6
	5	115·1	108·9	111·2	109·0	107·2	111·0	105·2	109·1	111·0	112·2	113·0	114·[illegible]	115·3
	6	117·0	116·0	117·2	117·4	115·8	114·7	112·4	111·2	111·4	111·6	113·0	114·[illegible]	114·4
	7	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	116·6	117·0	117·0	117·3	115·6	114·1	112·1	111·0	111·2	112·0	113·7	114·[illegible]	115·3
	9	115·3	115·1	116·0	116·0	117·0	115·3	113·0	111·8	112·2	113·2[c]	115·0	116·[illegible]	114·2
	10	117·2	117·0	113·0	115·2	113·0	113·0	112·9	111·6	112·0	112·6	114·8	116·[illegible]	115·8
	11	116·9	117·0	117·0	116·4	115·2	114·0	111·4	111·4	112·0	113·8	114·6	115·[illegible]	115·2
	12	117·2	118·0	119·2	118·2	118·3	116·2	112·4	110·2	107·0	110·2	113·8	114·[illegible]	115·3
	13	108·2	114·9	111·2	112·3	112·6	107·7	107·8	106·0	107·0	108·0	107·8	109·[illegible]	114·4
	14	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	102·8	115·1	114·0	114·9	118·0	116·1	111·0	105·7	105·7	105·0	113·0	115·[illegible]	115·0
	16	114·2	112·1	102·3	116·1	116·0	113·0	109·2	110·0	111·7	111·0	113·2	115·[illegible]	117·2
	17	116·0	115·7	117·1	115·8	116·2	113·0	112·2	112·0	109·8	113·2	114·5	115·[illegible]	115·2
	18	108·0	113·6	114·4	111·8	114·2	112·0	110·4	110·0	110·2	111·5	112·6	114·[illegible]	115·0
	19	116·1	116·7	117·2	119·0	119·0	116·0	114·6	112·8	112·0	112·1	113·7	115·[illegible]	116·2
	20	115·0	115·9	117·0	119·6	118·2	116·5	114·8	113·1	111·2	110·7	111·8	113·[illegible]	115·0
	21	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	115·2	116·0	118·8	119·4	119·0	116·0	113·0	112·2	111·0	111·7	115·0	114·[illegible]	115·0
	23	115·5	116·3	117·0	119·4	120·0	119·2	114 8	111·3	111·9	113·0	113·1	116·[illegible]	115·6
	24	113·2	114·0	118·2	118·6	117·6	117·0	113·6	110·3	110·5	111·7	114·2	113·[illegible]	116·2
	25[b]	—	—	—	—	—	—	—	—	—	—	—	—	—
	26	113·7	116·2	118·0	119 0	119·8	118·2	115·4	113·2	112·1	112·0	112·8	114·[illegible]	113·4
	27	116·6	118·2	117·2	116·3	114·2	114·4	114·0	112·0	111·2	111·8	113·0	116·[illegible]	114·4
	28	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	114·8	113·2	116·2	117·4	115·5	114·5	113·1	111·8	111·8	112·1	112·8	114·[illegible]	114·7
	30	114·4	106·1	104·9	110·2	107·0	112·2	111·2	106·2	110·0	112·2	112·5	113·[illegible]	114·7
	31	116·6	115·2	116·5	117·0	115·9	114 0	113·1	111·9	112·0	111·2	112·4	113·[illegible]	115·1
Hourly Means		114·42	114·96	115·31	116·08	114·76	113·59	111·52	110·16	110·43	111·48	113·01	113·[illegible]	114·[illegible]

[a] Four minutes late. [b] Five minutes late. [c] Twenty-two minutes late. [d] Three minutes late.

DECLINATION.

Angular Value of one Scale Division of the Declinometer = 0′·721. Increasing numbers denote decreasing Westerly Declination.

12ʰ.	13ʰ.	14ʰ.	15ʰ.	16ʰ.	17ʰ.	18ʰ.	19ʰ.	20ʰ.	21ʰ.	22ʰ.	23ʰ.	Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
114·2	118·0	115·9	116·7	114·3	116·3	—	—	—	—	—	—	112·05
—	—	—	—	—	—	114·2	110·0	116·4	114·2	111·6	116·8	
113·0	113·0	114·2	114·2	114·0	113·4	113·8	113·2	108·4	111·7	113·8	114·9	113·26
110·2	111·0	113·4	114·4	113·1	119·9	115·0	118·0	114·0	112·9	102·3	113·9	112·54
114·7	115·0	115·4	114·1	113·8	113·0	112·4	112·3	113·0	114·2	115·0	114·6	110·45
113·0	113·0	113·1	113·0	110·9	118·5	113·9	113·0	111·0	118·0	113·8	124·0	114·65
108·7	114·0	113·8	113·9	115·0	123·3	124·0	118·2	113·0	113·2	113·6	115·0	112·89
113·0	113·2	113·2	113 2	113·0	113·0	—	—	—	—	—	—	113·28
—	—	—	—	—	—	112·8	108·9	114·7	114·0	115·6	117·2	
112·0	119·0	119·4	118·8	123·0	112·7	112·2	112·0	112·2	115·0	114·0	114·8	113·89
114·4	114·0	113·8	113·2	115·8	112·0	111·9	112·7	112·3	113·0	115·2	114·0	112·64
114·4	114·8	114·8	114·1	113·0	113·0	112·7	113·2	114·0	114·3	114·8	116·0	113·35
114·0	114·2	114·0	115·2[e]	119·0	113·2	112·9	113·0	113·6	114·4	114·6	115·0	113·06
114·1	113·6	113·3	113·4	113·0	113·0	113·4	113·0	113·4	113·8	114·0	114·8	112·79
113·4	112·2	114·0	113·8	113·4	114·0	—	—	—	—	—	—	113·86
—	—	—	—	—	—	114·0	114·7	115·2	115·2	108·2	134·0	
115·8	114·8	114·2	113·7	113·0	112·0	111·0	106·0	108·0	111·0	111·1	115·3	112·00
114·2	115·9	115·2	129·0	116·7	112·2	113·2	114·5	105·5	107·4	107·0	106·6	112·14
112·9	114·8	114·4	119·9	113·7	115·0	113·9	111·0	113·2	114·0	115·2	113·8	113·27
113·7	113·9	114·0	114·2	114·6	115·0	113·2	113·6	112·4	113·2	114·0	112·7	113·23
113·0	115·0	114·7	114·8	113·6	113·2	114·2	113·0	112·4	113·0	113·2	113·0	113·19
113·6	114·1	115·6	114·2	113·0	113·2	—	—	—	—	—	—	113·14
—	—	—	—	—	—	114·0	113·0	113·2	113·0	113·7	115·1	
114·0	114·2	114·3	114·5	124·5	113·5	113·4	113·0	114·0	113·7	113·7	113·4	113·89
112·6	113·7	113·2	113·0	113·0	113·9	113·0	112·7	112·7	114·0	115·2	113·4	112·92
112·8	114·6	113·7	114·0	114·0	114·0	115·2	114·4	114·7	115·0	115·2	115·3	113·36
111·4	117·0	113·3	112·0	114·9	113·4	115·6	123·8	117·8	120·4	107·2	110·0	113·98
116·6	116·3	117·0	124·0	118·8	116·1	114·2	109·7	113·9	115·9	110·1	116·2	114·54
115·8	116·9	117·8	118·0	116·8	112·5	—	—	—	—	—	—	113·95
—	—	—	—	—	—	115·2	115 2	114·0	113·8	115·7	115·4	
113·42	114·69	114·63	115·57	115·36	114·36	113·97	113·52	112·92	113·93	112·71	115·41	113·17
116·0	117·2	117·8	118·1	115·2	115·4	116·0	115·0	115·4	118·4	118·6	120·2	114·94
115·2	115·8	116·0	116·0	116·2	120·0	119·2	118·8	108·2	120·6	116·4	98·0	114·53
106·0	105·2	104·0	97·7	116·9	120·1	120·4	118·3	117·0	116·0	116·8	115·2	109·86
116·6	115·5	115·0	114·1	114·2	117·2	116·0	113·1	113·2	107·0	109·6	120·0	113·38
115·3	115·2	115·0	114·2	115·8	113·0	115·0	116·0	116·0	113·4	116·0	114·4	112·78
114·4	115·0	116·0	123·4	115·5	116·0	—	—	—	—	—	—	115·11
—	—	—	—	—	—	—	—	114·2	115·3	116·0	115·0	
115·3	115·1	115·6	116·0	115·8	115·0	116·1	116·0	115·0	114·2	114·8	115·2	114·89
114·2	119·7	116·0	115·8	115·8	115·2	115·2	116·0	115·0	116·3	116·0	119·0	115·34
115·8	116·1	115·6	115·2	115·8	115·4	115·3	115·1	115·1	115·4	115·6	116·5	114 80
115·2	116·0	117·0	113·7	115·2	115·0	115·0[f]	115·3	114·8	116·0	113·4	114·0	114·80
115·2	116·0	116·4	117·0	117·0	116·1	117·1[f]	115·2	116·0	115·3	120·0	119·0	115·66
114·8	117·2	120·0	121·2	118·0	118·4	—	—	—	—	—	—	113·19
—	—	—	—	—	—	117·8	114·7	115·0	118·2	115·4	112·0	
115·0	120·1	117·0	122·4[g]	117·8	118·2	119·2	112·2	109·1	114·5	114·9	116·4	113·89
117·7	118·0	118·5	120·0	115·8	117·7	118·2	114·9	118·2	116·0	107·2	116·9	114·29
115·2	127·6	115·9	116·7	117·2	116·0	115·0	115·0	108·6	112·2	116·8	110·8	114·00
115·0	116·2	116·2	115·9	115·5	115·3	116·7	115·2	117·0	117·6	114·0	113·6	113 80
116·2	117·0	117·3	119·0	118·2	117·0	115·2	115·6	114·6	115·4	114·9	114·8	115·81
115·0	110·0	115·7	117·4	117·0	116·1	—	—	—	—	—	—	115·13
—	—	—	—	—	—	116·2	116·0	114·9	115·0	117·2	115·0	
115·0	115·8	118·0	115·8	116·4	115·9[g]	115·2	115·0	114·8	115·0	116·0	115·6	115·41
115·6	116·7	116·2	116·3	115·8	115·8	115·8	114·8	115·0	115·7	115·9	115·4	115·64
116·0	116·0	116·3	116·8	115·3	115·7	—	—	—	—	—	—	115·01
—	—	—	—	—	—	115·0	115·5	114·2	116·0	114·0	115·5	
113·0	115·4	115·6	116·0	116·2	115·8	115·0	117·1	115·0	117·8	117·2	116·0	115·60
114·9	117·0	119·0	115·3	115·0	115·1	—	—	—	—	—	—	114·65
—	—	—	—	—	—	113·8	113·6	113·8	113·9	114·1	113·2	
114·5	114·5	114·8	114·8	115·2	128·2	123·1	116·2	117·7	119·0	115·2	109·3	115·41
114·0	114·0	117·0	119·2	118·0	117·2	116·4	114·7	115·4	114·8	117·4	117·2	113·17
115·2	115·0	116·2	116·8	118·9	116·0	114·0	114·0	112·4	114·2	110·2	115·1	114·46
114·78	116·05	116·08	116·34	116·30	116·80	116·48	115·33	114·45	115·51	115·14	114·74	114·48

[e] Three minutes late. [f] Two minutes late. [g] Five minutes early. [h] Twenty-one minutes late. [i] Christmas-day.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·000234.

	Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
JANUARY.	1	572·8	575·4	573·8	559·5	557·5	552·5	558·0	558·0	565 8	572·4	574·0	573
	2	573·5	574·8	572·0	566·0	557·7	553·7	553·0	559·4	566·4	571·6	570·8	570
	3	579·6	580·3	580·8	570·6	562·0	559·6	561·6	564·2	567·3	573·3	576·5	575
	4	574·9	576·0	576·8	573·7	570·3	567·0	567·4	566·0	566·0	573·5	573·0	577
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	588·9	589·0	592·0	594·0	596·9	594·8	589·5	588·5	585·9	587·0	589·3	591
	7	595·0	596·0	597·0	600·0	600·1	599·8	597·5	592·0	587·8	591·8	590·0	587
	8	591·0	593·0	590·0	587·8	586·4	587·0	587·5	586·2	587·6	587·2	587·5	586
	9	586·6	586·6	579·6	596·1	587·4	571·4	587·3	581·6	577·2	576·5	568·6	590
	10	564·5	568·0	564·4	560·0	561·3	561·3	564·2	571·8	564·8	563·4	569·0	569
	11	570·2	569·3	568·5	566·0	561·8	560·0	566·0	567·5	573·4	575·0	575·5	578
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	583·5	583·4	577·4	570·0	573·5	574·7	578·2	579·8	585·0	587·8	589·4	587
	14	587·5	592·8	587·5	579·0	573·8	576·0	572·7	586·7	583·6	587·0	588·0	578
	15	589·8	589·7	584·9	574·5	565·6	564·2	567·2	572·0	576·0	582 8	586·3	581
	16	582·5	581·3	580·8	576·4	569·4	564·9	565·0	569·2	574·3	578·9	584·1	580
	17	582·6	582·6	579·4	576·0	569·9	567·8	572·2	574·5	574·3	579·0	585·8	587
	18	591·9	586·6	585·2	580·1	573·4	569·5	569·7	571·4	567·9	581·8	582·6	586
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	599·0	593·0	583·0	575·7	579·7	578·0	573·7	576·8	570·6	570·2	577·6	583
	21	584·2	585·7	582·8	581·8	582·9	576·8	578·7	575·6	571·6	576·3	576·4	573
	22	580·9	583·1	578 8	569·6	572·0	571·0	571 9	570·0	574·1	574·8	580·0	578
	23	581·1	577 6	568·0	563·6	578·4	572·3	573·7	574·0	575·0	568 7	570·0	579
	24	569·2	573·0	573·5	569·9	565·9	564·7	554·0	559·6	569·3	573·6	572·6	581
	25	570·5	556·0	572·0	570·7	561·9	565·8	562·7	569·2	577·8	571·7	581·3	579
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	570·9	580·5	573·3	573·7	575·0	578·1	579·8	581·8	582·5	581·7	566·3	578
	28	580·5	581·2	579·8	568·1	553·7	552·6	551·5	558·1	559 2	555·0	553·5	556
	29	577·7	572·8	569·5	566·9	563·3	562·2	558·9	553·5	570·1	561·0	566·8	563
	30	579·9	576 1	571·9	570·0	561·5	563·0	568·0	572·7	568·7	571·8	576·4	582
	31	583·0	583·0	581·0	575·8	572·0	569·5	574·5	575·5	579·4	585·6	585·9	590
Hourly Means		581·17	580·99	578·66	571·06	567·90	569·56	570·53	572·43	574·13	576·27	577·68	578

TEMPERATURE OF THE BIFILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	
JANUARY.	1	44·4	45 0	44·8	44·8	44·8	45 0	45·2	45·4	45·6	45·3	45·3	45
	2	45·8	45·4	45·0	44·7	44·6	44·8	45·4	45·7	45·7	46·0	46·0	45
	3	43·5	43·5	43·4	43·2	43·4	43·6	44·0	44·2	44·5	44·5	45·4	43
	4	44·6	44·2	44·0	43·5	43·8	44·0	44·0	44·3	44·3	44·3	44·6	44
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	36·7	36··	36·0	35·8	35·5	35·7	35·6	35·6	35·6	36·0	36·5	36
	7	35·0	35·2	35·4	35·0	35·4	36·0	37·0	37·5	37·7	37·7	38·2	39
	8	39·5	39·5	39 5	38·7	39·6	39·7	40·6	41·0	41·2	41·8	42·2	41
	9	42·0	42·0	42·5	43·4	44·2	45·0	45·6	46·4	46·8	47·2	47·5	47
	10	43·9	43·4	43 2	43·1	43·5	44·2	44·7	45·4	46·3	46·5	46·5	47
	11	43·5	43·5	43·0	42·7	42·9	43·3	44·2	45·0	45·4	45·4	45·7	45
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	36·4	37·2	37·0	36·6	36·9	37·2	37·9	37·6	38·6	39·5	40·3	39
	14	38·5	38·5	38·1	38·0	37·9	38·5	38·5	37·3	37·2	38·4	39·2	39
	15	40·0	40 3	40·4	40·8	41·4	41·7	42·8	43·5	43·5	44·0	44·6	41
	16	45·0	45·0	44·4	44·2	44·5	44·7	45·0	45·2	44·8	44·8	44·8	44
	17	41·0	41·0	40·5	40·3	41·4	42·0	42·2	42·8	42·8	43·0	42·9	42
	18	40·0	40·2	40·2	41·0	41·6	42·4	42·5	43·0	43·1	43·1	42·7	42
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	36·0	36·1	36·1	36·0	36·4	36·4	37·6	38·6	39·0	39·6	40·0	39
	21	42·7	42·7	42·5	42·6	42·6	43·0	43·6	44·1	44·7	44·9	45·2	45
	22	45·6	45·6	45·2	45·2	45·3	45·7	45·9	46·2	47·0	47·2	47 8	48
	23	45·5	45·4	45·0	45·5	46·0	46·6	47·0	47·2	47·0	46·8	46·8	47
	24	47·5	47·4	47·5	47·2	47·5	48·0	48·0	48·7	48·8	49 0	48·8	47
	25	44·2	43·6	42·8	42·0	41·4	41·5	41·8	42·2	42·2	43·0	43·6	41
	26	—	—	—	—	—	—	—	—	—*	—	—	—
	27	39·2	39·2	39·0	39·2	40 2	41·0	42·2	43·4	44·4	44·9	45·1	44
	28	45·6	46·6	46·5	46·2	46·6	47·3	48·0	48·2	48·8	49·2	49·2	49
	29	45·7	45·5	45·0	44·4	44·7	45·2	45·5	45·5	46·0	46·4	46·0	45
	30	40·3	40·3	39·8	40·0	40·4	40·5	41·0	41·8	42·3	43·4	43·6	44
	31	38·4	38 4	38·4	38·5	39·0	39·3	39·1	38·8	38·0	37·6	37 8	37
Hourly Means		41·87	41·89	41·67	41·57	41·91	42·31	42·77	43·13	43·38	43·69	43·94	43

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·000234.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
577·0	572·2	570·5	571·2	568·9	575·0	574·8	574·5	575·2	571·0	571·9	573·0	569·50
572·1	573·0	573·3	575·2	575·8	575·0	574·5	576·0	576·2	578·8	577·6	578 0	570·77
575·6	576·0	575·3	571·0	575·4	574·0	575·0	571·0	570·7	574·0	574·4	574·5	572·49
577·1	577·9	577·7	579·2	576·9	575·9	—	—	—	—	—	—	576·96
—	—	—	—	—	—	586·4	586·9	586·8	587·6	584·6	588·1	
590·6	591·0	590·4	590·7	589·7	590·0	590·8	591·4	592·0	594·1	595·0	594·3	591·13
589·2	589·1	586·5	587·0	586·5	587·8	587·7	586·8	590·0	587·8	589·0	589·0	591·30
584·8	580·8	580·0	578·7	578·0	575·1	576·0	576·0	580·0	580·0	584·0	589·0	584·19
559·8	554·2	584·5	557·0	573·0	557·6	558·5	558·0	559·5	558·0	561·7	565·7	572·38
569·5	561·0	562·7	565·4	563·7	567·9	568·6	568·4	566·9	571·0	571·5	570·8	566·23
513·7	574·4	575·7	568·9	570·2	583·8	—	—	—	—	—	—	573·86
—	—	—	—	—	—	578·5*	581·5	582·1	585·4	585·0	582·0	
587·3	588·1	586·7	585·6	584·9	586·0	582·9	583·0	585·0	584·7	584·8	581·0	582·91
580·0	583·4	584·6	584·0	586·2	582·6	583·0	583·8	586·9	580·5	585·5	582·6	583·16
580·1	581·0	581·0	581·0	580·3	578·8	576·8	577·3	575·8	578·0	581·9	581·7	578·65
579·0	577·0	577·3	579·6	578·8	580·5	579·5	587·7	573·3	579·9	580·4	582·3	577·61
587·0	585·5	582·0	580·0	595·1	580·3	579·6	579·5	586·3	585·4	584·9	588·3	581·06
584·1	583·5	582·6	583·7	586·0	582·6	—	—	—	—	—	—	578·46
—	—	—	—	—	—	563·5	562·6	569·5	580·0	574·9	584·0	
583 0	584·1	585·0	583·3	581·0	577·8	583·1	576·9	580·0	582·0	581·8	581·7	580·85
567·1	571·2	571·0	569·0	572·0	570·2	572·0	573·7	574·0	574·6	576·0	580·5	575·95
553·1	580·2	580·9	573·8	575·5	571·0	571·9	582·8	576·2	574·7	568·9	578·1	574·64
565·7	572·0	575·7	563·3	555·0	570·8	571·0	573·8	563·8	562·9	572·4	572·0	570·43
555·8	560·4	562·0	557·6	572·0	567·7	569·1	564·2	571·2	567·8	565·8	562·8	565·66
573·4	576·2	580·7	583·9	580·9	583·0	—	—	—	—	—	—	574·00
—	—	—	—	—	—	566·5	579·5	580·5	578·6	580·8	572·4	
578·0	579·0	579·0	576·5	579·3	580·0	578·0	577·6	578·4	578·0	578·8	578·6	577·50
535·5	564·0	556·8	570·7	566·8	566·0	563·5	569·6	547·0	555·9	556·9	572·5	562·27
562·8	571·9	572·4	577·6	574·4	574·4	576·0	572·7	576·4	577·1	577·7	579·5	569·96
580·0	579·2	581·5	580·5	581·0	580·8	579·3	582·0	577·0	577·0	579·0	574·0	575·57
588·3	586·2	581·0	589·5	589·0	591·9	592·2	591·0	591·8	590·0	595·5	596·6	584·98
575·17	576·76	577·66	576·44	577·64	577·28	576·23	577·34	576·76	577·59	578·59	579·74	576·39

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
45·5	45·5	45·2	44·7	45·0	45·5	46·0	46·2	46·0	46·2	46·4	46·0	45·38
45·2	44·8	44·6	44·5	44·5	44·4	44·2	43·8	43·7	43·5	43·5	43·5	41·79
45·5	45·3	45·4	46·0	46·0	46·0	46·0	46·0	46·0	46·0	45·6	45·0	44·90
44·6	43 2	44·1	44·1	44·2	44·0	—	—	—	—	—	—	42·48
—	—	—	—	—	—	37·6	37·4	37·2	37·2	37·2	37·6	
36·8	36·0	36·0	35·6	35·2	35·2	35·2	34·8	35·0	34·8	35·0	34·8	35·69
40·0	40·0	39·4	39·3	39·1	39·0	39·0	39·0	38·8	38·8	38 9	38·5	37·90
41·6	41·6	41·5	41·0	40·5	40·4	40·1	40·1	40·4	40·9	41·4	41·5	40·67
47·5	47·0	46·8	46·4	46·4	46·0	45·5	45·6	44·8	44·5	44·2	44·2	45·35
46·0	45·5	45·3	45·2	45·2	45·3	45·0	44·6	44·4	44·2	44·2	43·5	44·80
45·5	45·4	45·6	45·4	44·6	44·6	—	—	—	—	—	—	42·38
—	—	—	—	—	—	36·7*	35·5	35·7	35·7	36·0	36·4	
39·4	39·2	39·0	38·7	38·7	38·7	38·9	39·3	39·0	38·8	38·8	38·5	38·42
39·5	39·9	40·0	40·0	40·0	40·0	40·0	40·0	39·8	40·0	40·0	40·0	39·13
45·0	45·0	45·0	45·4	45·6	46·0	46·0	46·0	45·7	45·3	45·2	45·1	43·88
44·4	44·3	44·0	44·0	43·7	43·0	42·7	42·5	42·2	42·0	41·6	41·4	43·86
41·6	41·6	41·2	40·8	40·2	39·7	39·9	39·4	39·0	39·0	39·2	39·8	40·98
41·6	40·6	40·0	39·0	38·8	38·7	—	—	—	—	—	—	39·39
—	—	—	—	—	—	33·3	33·4	33·4	34·0	35·0	35·3	
39·9	40·2	40·5	40·4	41·2	41·4	42·0	42·0	42·4	42·4	43·0	42·4	39·56
45·5	46·0	46·0	46·0	45·8	45·5	45·5	45·3	45·2	45·3	45·3	45·3	44 61
48·4	48·3	48·2	48·0	47·7	47·0	47·0	46·4	45·9	45·5	45·5	45·5	46·60
46·7	46·7	46·6	46·8	46·2	46·2	46·5	46·0	46·0	46·2	46·7	47·0	46·39
49·2	49·2	49·1	48·6	48·2	48·0	47·8	47·5	47·3	46·7	46·0	45·0	47·92
42·5	41·6	41·3	40·5	39·6	39·6	—	—	—	—	—	—	41·14
—	—	—	—	—	—	38·4	38·0	38·0	38·6	39·0	39·0	
44·8	45·5	45 5	45·5	45·5	45·5	45·5	45·7	45·6	45·6	45·8	45·8	43·70
49·5	49·5	49·5	49·0	48·5	48·2	48·0	48·0	47·6	47·2	47·0	46·0	47·90
45·0	44·6	44·3	43·4	42·6	41·6	41·4	41·2	41·0	41·0	40·6	40·4	43·86
43·6	42·6	42·6	41·7	41·2	40·7	40·0	39·0	39·0	38·5	37·8	38·0	40·92
36·6	35·6	35·2	34·6	34·0	33·2	32·4	30·5	30·5	30·5	30·0	29·4	35·55
43·76	43 54	43·40	43·13	42·89	42·72	41·87	41·60	41·47	41·42	41·44	41·29	42·52

* Thirteen minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·000234.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
FEBRUARY.	1	596·6	599·6	597·5	593·3	587·3	584·0	583·8	580·6	595·5	600·2	599·1	601·4
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	602·3	605·0	599·2	590·6	591·1	585·8	586·2	591·0	594·0	597·0	599·0	597·0
	4	595·3	595·4	598·3	594·0	594·0	592·7	593·0	592·0	588·2	591·4	591·0	590·8
	5	598·4	599·9	598·4	602·0	586 3	584·5	594·5	594·7	596·8	600·4	601·6	601·2
	6	602·1	598·6	592·5	593·6	591·6	588·0	587·5	590·1	593·9	597·6	598·3	595·9
	7	596·6	598·6	595·7	594·1	585·7	587·4	589·9	595·2	599·2	597·6	587·5	583·5
	8	591·0	587 9	584·2	578·8	579·0	578·5	578·3	578·5	583·1	584·8	589·7	588·0
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	587·2	589·0	589·0	586·3	582·5	577·7	583·9	583·6	584·5	584·5	587·0	588·5
	11	584·0	583·1	580·8	577·0	576·0	574·5	572·0	570·5	572·8	580·5	580·5	583·2
	12	580·0	575·0	578·0	572·7	569·4	565·6	567·0	569 2	573·4	579·1	585·1	586·8
	13	592·4	597·0	591·4	591·0	591·2	587·0	584·8	585·6	587·6	590·9	594·2	594·0
	14	597·7	599·1	599·0	598·2	594·2	590·4	585·5	586·4	589·7	593·7	596·0	597·8
	15	590·2	588·8	586·8	583·9	579·0	571·8	571·7	572·7	579·0	579·6	582·0	584·0
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	590·0	590·2	587·9	584·0	579·5	577·3	573·7	579·6	582·0	584·6	582·0	580·0
	18	581·5	581·0	579·5	577·9	575·4	571·8	567·6	570·9	574·3	578·2	579·1	578·5
	19	577·8	579·8	580·9	576·8	577·2	574·3	569·5	568·4	573·4 [b]	579·1	580·5	580·0
	20	588·5	577·3	575·5	575·7	577·0	577·4 [b]	574·9	574·3	574·4	580·8	570·6	571·0
	21	571·0	580·0	577·5	565·7	569·1	565·9	551·9	551·0	565·0	566·5	571·7	565·6
	22	573·7	565·0	564·6	556·7	549·2	537·4	551·9	560·3	571·9	568·6	564·8	569·1
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	578·4	563·0	567·5	567·8	559·7	560·0	556·5	559·0	554·1	559·1	552·9	557·5
	25	565·7	569·6	545·5	546·6	562·1	559·6	564·2	541·7	567·6	564·4	562·1	571·4
	26	570·5	542·4	559·6	560·3	538·9	556·0	550·7	555·6	556·9	565·9	559·9	567·2
	27	577·2	573·1	568·1	565·6	561·1	559·1	559·5	563·5	556·1	542 0	563·0	560·0
	28	577·7	565·8	569·5	573·0	567·9	556·6	554·8	562·0	564·	573 6	571·2	578·0
Hourly Means		577·74	579·34	581·95	575·61	576·02	573·47	573·18	574·37	578·25	572·50	577·03	573·98

TEMPERATURE OF THE BIFILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
FEBRUARY.	1	29·0	29·2	28·4	28·2	28·5	29·6	30·6	32·0	32·7	33·7	34·7	35·2
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	31·2	32·0	32·4	32·0	32·7	33·4	34·0	34·2	34·2	35·0	35·4	35·9
	4	36·5	36·5	36·3	36·0	36·6	37·4	38·8	39·4	39·0	39·5	39·5	39·2
	5	31·8	31·4	30·7	29·7	30·5	31·0	31·5	32·0	32 5	32·1	31·6	31·6
	6	32·4	32·4	31·4	31·2	32·0	32·6	33·0	33·5	33·6	33·2	33·0	32·7
	7	34·2	34·0	34·2	34·6	35·2	35·6	36·2	37·0	38·0	39·4	40·3	41·0
	8	39·0	38·6	38·0	38·2	39·1	40·0	40·0	39·7	41·0	42·0	43·0	43·4
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	40·0	40·2	40·2	40·4	41·4	42·3	42·8	43·5	43·5	43·5	44·0	43·8
	11	43·2	43·2	43·2	43·6	44·0	44·5	45·5	45·7	46·0	46·3	46·3	45·5
	12	45·5	45·5	45·0	44·8	45·0	44·6	44·3	44·2	43·6	43·6	43·4	43·0
	13	35·7	34·4	34·6	34·0	34·6	35·2	36·0	30·9	36·5	36·6	36·9	36·7
	14	33·6	33·5	33·0	33·0	33·7	34·2	34·8	35·0	36·2	37·4	38·2	38·5
	15	42·7	43·0	42·7	43·5	44·5	45·0	45·4	45·7	46·4	46·8	47·2	47·0
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	42·5	42·6	42·6	43·0	43·6	44·2	45·0	45·7	46·0	46·7	46·7	47·0
	18	47·0	47·0	47·0	46·5	47·3	48·2	48·7	49·6	49·8	49·8	50·4	50·8
	19	47·4	47·2	47·0	47·0	47·6	48·2	48·8	49·6	50·0 [b]	50·1	50·1	49·6
	20	48·5	48·2	48·2	48·2	48·7	49·7 [b]	50·2	50·4	50·6	50·5	50·6	50·3
	21	49·5	49·1	49·1	49·0	49·8	50·2	50·6	51·4	51·7	52·4	52·7	53·0
	22	52·5	52·4	52·6	52·8	53·0	53·0	53·0	53·2	53·5	53·4	53·0	52·4
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	45·5	45·5	45·9	45·6	47·2	47·5	48·0	48·0	48·4	49·2	49·6	50·5
	25	48·4	48 2	48·6	49·4	49·8	50·6	51·2	51·6	52·0	52·8	53·5	53·6
	26	50·2	50·0	49·6	49·5	49·5	50·0	50·2	50·2	49·8	50·0	49·8	49·6
	27	45·5	45·2	45·5	46·2	47·5	48·4	49·0	49·2	49·5	50·0	50·3	50·0
	28	44·5	43·8	43·5	43·5	44·3	44·6	45·5	45·5	45·5	45·5	45·5	45·4
Hourly Means		41·51	41·38	41·24	41·25	41·92	42·50	43·05	43·47	43·75	44·15	44·40	44·40

[a] Seven minutes late.

[b] Four minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·000234.

12^h.	13^h.	14^h.	15^h.	16^h.	17^h.	18^h.	19^h.	20^h.	21^h.	22^h.	23^h.	Daily and Monthly Means.
Sc. Div. 597·0	Sc. Div. 598·5	Sc. Div. 596·0	Sc. Div. 592·0	Sc. Div. 591·9	Sc. Div. 593·0	Sc. Div. — 597·9	— 596·9	— 600·0	— 599·3	— 601·6	— 600·9	Sc. Div. 595·54
594·1	592·0	591·0	588·6	590·2	590·7	591·8	592·3	591·2	591·6	591·0	592·5	593·51
589·8	589·3	588·0	589·2	590·8	592·0	592·1	592·7	593·9	595·4	596·8	593·8	592·50
598·7	589·1	586·7	591·8	593·6	591·0	589·3	588·5	592·2	590·0	579·1	599·0	593·65
595·2	595·0	596·1	594·9	593·5	593·2	597·4	597·0	595·2	591·3	595·0	597·9	594·64
594·0	589·9	591·0	589·0	583·4	586·8	588·5	589·6	587·6	588·7	589·7	581·9	590·67
585·1	583·1	580·2	579·2	583·6	582·6	— 603·0	— 587·2	— 588·9	— 590·6	— 586·7	— 587·6	584·98
586·5	585·8	582·0	583·7	591·9	586·0	583·0	582·9	582·8	582·8	582·9	583·3	584·86
585·2	583·1	585·4	582·5	582·0	581·0	583·6	582·2	581·2	581·9	579·8	584·0	580·28
584·9	580·5	576·3	582·8	582·6	585·2	585·1	591·5	590·0	589·5	592·0	592·4	570·59
593·4	594·7	589·9	593·0	595·0	594·0	594·6	593·4	595·7	595·9	595·0	598·1	592·49
596·0	595·2	594·0	587·8	592·7	591·0	590·6	591·2	591·8	591·0	591·5	590·3	592·95
589·7	584·8	584·5	582·7	582·0	579·4	— 583·9	— 584·0	— 585·7	— 585·3	— 586·0	— 588·5	582·75
581·8	583·0	582·2	582·6	582·6	582·0	580·3	580·6	581·7	580·2	581·3	581·2	582·10
575·9	574·	575·5	575·9	573·9	573·8	575·0	577·0	577·0	578·0	579·0	579·8	576·28
578·0	571·0	573·3	575·9	575·1	576·7	576·0	577·7	578·5	577·8	579·6	586·2	576·85
573·0	57[illegible]·0	40 0	569·7	569·7	571·7	565·7	557·0	560·4	566·2	570·4	569·6	572·16
561·6	572	569 9	569·2	564·2	571·2	567·0	569·9	566·2	564·9	565·5	568·0	567·04
569·8	569	575·7	562·5	566·3	561·7	— 563·0	— 550·8	— 572·8	— 565·5	— 569·8	— 569·0	563·30
560·5	552·4	556·2	565·7	561·7	560·4	556·0	555·0	565·0	566·0	568·0	566·4	561·20
553·9	561·0	558·1	557·8	557·5	556·0	581·5	557·7	554·6	558·0	546·4	568·4	559·64
562·3	570·4	571·9	573·8	572·8	567·8	565·9	571·9	573·2	567·9	574·2	572·5	563·69
567·6	571·7	573·8	569·9	576·0	574·6	571·5	574·7	575·5	573·9	577·3	579·7	568·19
582·6	574·6	563·1	575·1	577·9	577·5	577·2	576·8	575·6	577·4	578·9	579·0	572·10
581·53	580·53	578·99	579·80	580·45	579·97	577·58	579·94	577·36	581·21	577·40	579·58	580·08

TEMPERATURE OF THE BIFILAR MAGNET.

° 35·0	° 35·0	° 34·6	° 35·0	° 35·4	° 35·0	° — 29·3	° — 30·0	° — 30·0	° — 30·0	° — 30·2	° — 30·2	° 31·73
36·0	36·4	36·4	36·1	35·9	36·0	35·7	35·4	35·2	35·4	36·2	36·2	34·72
39·2	39·4	38·8	37·2	36·6	36·2	35·6	34·0	33·6	33·5	33·1	32·2	36·84
32·0	32·0	31·8	31·0	30·8	31·0	31·0	30·8	30·9	30·9	31·5	32·0	31·34
32·1	33·0	33·0	33·0	32·9	33·1	33·5	34·0	34·5	34·6	34·6	34·0	33·08
41·0	40·5	40·3	40·5	41·5	41·5	41·7	41·3	41·5	41·0	40·0	39·2	38·74
43·0	43·0	42·5	41·5	41·2	40·8	— 37·5	— 37·8	— 38·6	— 39·8	— 40·0	— 40·0	40·32
43·8	43·3	43·3	43·3	43·8	44·0	44·5	43·6	43·5	43·5	43·3	43·4	42·87
45·2	45·4	46·0	46·0	46·0	45·8	45·5	45·5	45·5	45·5	45·6	45·5	45·19
42·0	41·3	41·0	40·4	39·6	38·5	37·5	37·0	37·0	36·6	36·0	35·8	41·47
36·5	36·2	36·2	35·5	35·5	35·5	35·5	35·7	35·3	35·5	34·7	34·0	35·59
38·5	39·0	39·5	39·8	40·2	40·4	40·7	41·3	41·5	42·0	42·8	42·5	37·89
46·8	47·0	47·3	47·5	47·6	47·2	— 42·5	— 42·0	— 42·1	— 42·3	— 42·4	— 42·4	44·87
46·8	46·6	46·6	46·2	46·3	46·3	46·5	46·5	46·5	46·6	46·9	46·9	45·60
50·6	50·0	49·6	49·5	48·6	48·0	47·8	47·2	47·2	47·2	47·2	47·2	48·42
49·6	49·2	48·8	48·4	48·2	48·4	48·6	48·4	48·8	48·8	48·5	48·6	48·62
50·2	50·4	50·5	50·5	50·3	50·2	50·2	49·8	49·6	49·6	49·8	50·0	49·80
53·2	52·2	53·0	53·0	53·0	52·5	52·5	52·2	52·0	52 0	52·0	52·0	51·59
52·2	51·8	51·6	51·2	50·7	50·3	— 45·9	— 45·8	— 45·5	— 45·7	— 45·8	— 45·5	50·70
50·4	50·1	49·9	49·5	49·1	48·9	48·5	48·4	48·4	48·4	48·4	48·4	48·30
53·5	53·3	53·1	53·0	52·9	52·5	52·2	52·2	52·0	51·7	51·4	50·6	51·59
49·4	49·0	48·5	48·6	48·8	48·3	48·0	47·4	47·0	46·6	46·5	45·6	48·84
49·0	48·3	47·8	46 8	46·0	45·6	45·5	45·0	45·0	45 0	44·6	44·4	47·05
45·2	44·8	44·6	44·0	44·0	44·1	44·0	44·0	43·9	44·2	44·6	44·6	44·55
44·24	44·05	43·95	43·65	43·54	43·34	42·51	42·30	42·30	42·35	42·34	42·13	42·90

HORIZONTAL FORCE.

One Scale Division = ·00087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·000234.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
MARCH.	1	578·8	578·0	574·6	569·6	562·6	559·8	558·0	562·9	567·5	572·1	578·7	575·9
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	577·5	576·5	573·8	571·3	568·5	567·8	565·8	570·2	576·1	574·5	579·4	580·0
	4	583·9	583·0	580·5	572·2	568·4	561·8	563·4	567·3	573·0	577·9	578·0	574·8
	5	577·6	578·1	573·9	570·0	565·1	562·5	562·0	565·0	571·0	578·1	577·9	577·7
	6	583·0	582·6	580·0	576·0	570·9	568·0	566·2	569·6	574·5	579·6	580·0	578·7
	7	580·1	577·0	573·0	572·8	569·5	565·8	563·9	561·6	568·0	579·0	582·2	570·7
	8	576·8	575·7	570·0	560·6	554·4	550·1	551·6	555·2	566·7	564·2	571·7	572·0
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	579·8	578·2	572·6	565·7	566·3	562·8	565·0	564·6	565·3	574·3	575·0	578·8
	11	580·5	579·5	576·8	575·0	570·0	571·5	569·9	563·1	571·0	571·0	568·9	571·6
	12	581·0	579·8	574·4	570·3	565·5	562·0	558·0	561·8	566·4	569·7	573·8	579·6
	13	578·0	579·5	577·0	571·7	566·0	563·7	560·3	558·2	565·7	567·8	573·9	578·4
	14	575·7	571·0	569·5	570·8	568·4	563·5	562·1	555·8	562·0	565·9	563·9	573·9
	15	582·5	574·6	575·8	570·6	574·5	572·5	568·6	575·8	574·9	577·5	590·6	585·4
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	590·5	587·4	585·4	580·9	575·5	568·7	579·0	583·5	583·8	582·8	582·5	577·5
	18	589·1	584·5	581·0	570·0	565·7	561·9	573·0	587·5	582·5	589·4	577·4	572·2
	19	590·0	588·0	585·0	579·7	578·7	575·4	567·3	568·1	571·5	578·2	578·3	573·8
	20	597·6	595·5	589·1	580·1	577·2	553·7	545·0	572·8	579·3	580·2	577·5	576·0
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	583·0	580·5	575·3	561·6	561·0	561·0	568·0	573·0	577·6	579·4	577·5	578·8
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	578·3	561·0	576·5	575·2	561·4	548·7	549·6	570·7	566·1	561·1	574·3	576·3
	25	568·7	571·0	567·6	561·9	559·2	550·3	558·8	569·0	571·7	573·0	575·3	573·0
	26	573·7	571·2	562·3	567·7	558·3	552·8	548·3	548·6	557·2	567·0	573·0	575·0
	27	571·5	566·8	550·3	559·9	548·0	531·8	549·8	548·0	559·8	568·3	562·0	559·0
	28	568·0	563·0	556·2	557·5	550·5	546·7	549·5	551·8	552·6	561·4	555·5	563·7
	29	565·0	561·3	557·8	551·6	552·5	548·5	550·0	551·7	557·1	561·7	561·2	558·5
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	563·6	564·0	560·7	558·8	550·5	552·3	557·1	559·2	563·0	565·8	568·6	567·0
Hourly Means		578·97	576·43	572·76	568·86	564·34	559·31	560·41	564·60	568·73	572·81	574·28	573·95

TEMPERATURE OF THE BIFILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
MARCH.	1	44·5	44·5	44·3	45·6	46·5	47·4	47·1	47·6	48·0	48·8	49·8	50·5
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	46·2	46·2	46·0	45·4	45·2	45·5	45·6	45·6	45·6	46·4	46·5	46·5
	4	43·8	43·6	44·4	45·1	46·0	46·5	46·7	47·0	48·0	49·4	49·5	49·5
	5	46·1	45·7	45·5	45·1	45·5	45·7	46·5	46·9	47·0	48·2	49·0	48·8
	6	46·1	45·0	46·0	47·0	48·4	48·6	48·6	48·8	49·3	50·3	50·6	51·2
	7	47·0	47·0	47·2	48·4	49·3	49·8	50·4	50·8	51·0	51·0	50·6	50·6
	8	51·0	51·0	51·0	51·2	51·6	52·2	53·0	54·0	54·2	54·7	54·9	54·6
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	44·0	43·6	43·6	43·6	44·2	45·1	45·7	46·8	46·9	47·4	47·5	47·5
	11	45·0	44·7	45·6	46·1	46·9	47·7	48·2	49·0	49·0	49·9	50·5	50·5
	12	46·5	45·9	45·8	46·0	47·4	48·2	48·2	48·3	49·3	49·6	50·0	49·6
	13	47·2	46·6	46·6	47·5	48·2	48·8	49·3	50·2	50·8	51·6	52·4	52·6
	14	48·8	48·4	48·0	47·8	48·4	49·0	49·6	49·9	50·2	50·2	50·1	49·8
	15	41·0	40·4	39·6	39·4	39·2	39·2	39·4	39·5	39·5	39·5	39·8	39·5
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	38·5	38·8	39·5	40·4	41·2	41·6	42·7	43·0	43·5	43·6	43·8	43·8
	18	41·0	40·7	40·2	40·0	40·5	41·2	41·7	42·4	42·4	42·5	42·5	42·0
	19	39·0	38·8	39·2	39·4	39·4	39·6	40·0	40·4	40·6	40·6	41·0	40·9
	20	40·8	41·2	41·5	42·0	42·4	44·0	44·2	43·5	44·2	44·2	44·4	44·2
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	41·4	41·5	42·5	43·7	44·5	45·5	45·5	46·0	46·0	46·4	47·5	49·0
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	45·0	45·0	45·4	45·3	45·7	45·8	46·4	47·4	48·0	48·4	48·8	48·6
	25	47·2	46·8	46·8	47·8	48·6	49·4	49·5	50·0	50·6	51·4	51·5	51·7
	26	49·0	48·6	48·8	48·8	49·0	49·5[c]	49·9	50·0	50·4	50·9	51·6	52·0
	27	51·3	51·3	51·6	52·5	54·0	55·0	55·4	56·2	56·9	57·4	57·4	57·3
	28	53·0	52·0	52·6	53·0	53·5	54·0	54·5	55·0	55·5	55·2	55·6	56·8
	29	53·0	52·7	53·0	54·0	54·5	55·4	56·4	57·4	58·2	59·8	60·6	60·2
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	56·0	55·4	55·8	55·6	56·4	57·0	57·7	58·4	58·8	58·8	59·8	59·9
Hourly Means		46·10	45·84	46·02	46·43	47·06	47·67	48·09	48·56	48·96	49·45	49·83	49·90

[a] Twelve minutes late. [b] Good Friday. [c] Four minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = ·000234.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
572·7	571·3	573·2	572·0	571·0	571·8	—	—	—	—	—	—	571·73
—	—	—	—	—	—	572·4	577·8	575·0	573·5	576·8	575·5	
582·8	582·2	579·8	577·3	577·3	578·6	578·0	575·5	580·0	577·6	580·7	581·6	576·37
577·0	576·8	578·5	578·8	577·6	575·8	575·8	577·2	577·8	578·0	577·6	577·1	575·51
578·0	576·6	577·7	577·0	577·6	577·3	577·2	578·0	578·7	579·9	581·0	582·0	575·00
578·6	577·8	578·2	578·6	576·8	577·5	578·8	580·5	580·0	581·0	581·6	581·0	577·48
574·9	579·0	575·1	575·3	575·2	574·5	572·8	572·0	574·0	572·8	576·0	574·8	573·36
571·6	570·7	571·0	567·0	563·2	567·0	—	—	—	—	—	—	567·04
—	—	—	—	—	—	569·9	568·5	568·0	573·6	575·5	580·0	
575·8	576·8	576·2	575·0	575·4	575·6	576·8	577·2	577·8	578·0	578·2	580·5	573·80
570·8	569·9	571·6	575·4	575·7	575·8	576·4	578·5	578·0	578·2	579·0	577·9	574·00
579·2	578·4	577·0	578·3	578·8	578·2	578·0	574·9	575·5	573·3	575·3	575·0	573·51
574·6	576·1	575·8	573·4	568·5	567·0	574·9	577·0	568·9	560·8	564·7	576·6	570·77
561·8	568·6	571·0	567·3	572·9	569·9	575·0	573·6	573·8	574·6	568·5	581·7	569·30
567·0	568·6	586·5	581·8	582·0	586·9	—	—	—	—	—	—	581·15
—	—	—	—	—	—	581·8	589·2	588·3	586·6	573·8	591·8	
572·6	572·0	580·5	581·7	582·3	583·2	584·6	586·0	583·3	582·3	584·3	583·0	581·39
584·0	586·4	586·8	584·2	582·2	581·5	584·4	583·0	582·8	588·8	587·5	589·0	581·45
575·4	582·0	563·1	584·0	563·3	571·8	566·5	570·9	582·6	581·6	581·6	570·4	576·13
578·9	575·0	579·9	562·0	564·8	575·0	—	—	—	—	—	—	576·50
—	—	—	—	—	—	—	—	577·3	582·0	581·8	582·2	
577·1	576·2	576·5	570·3	575·0	576·7	—	—	—	—	—	—	574·56
—	—	—	—	—	—	582·8	578·5	571·8	574·0	574·4	579·5	
539·8	539·1	547·4	557·7	553·8	554·2	565·6	562·5	564·0	568·0	570 0	570·4	563·13
572·0	564·0	563·0	567·5	566·0	565·0	568·0	568·6	569·6	567·6	566·8	567·2	566·87
560·0	562·0	575·0	576·5	566·5	565·4	573·8	569·0	570·0	568·8	568·4	571·0	565·90
557·6	557·7	559·7	565·9	560·0	560·0	561·2	561·8	565·1	566·5	567·2	568·0	559·25
563·2	562·3	561·2	562·9	563·0	562·4	558·1	559·0	562·8	561·0	561·0	560·0	558·89
550·4	554·8	558·4	559·9	558·2	557·0	—	—	—	—	—	—	557·51
—	—	—	—	—	—	560·0	560·0	560·0	560·0	563·0	561·6	
566·0	560·2	560·0	559·0	560·0	557·0	556·5	560·7	560·0	555·6	560·8	560·6	560·29
572·07	571·36	572·15	572·35	570·68	571·40	572·89	573·33	573·80	573·76	574·22	575·94	571·22

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
50·3	51·1	50·0	49·8	49·4	49·0	—	—	—	—	—	—	47·36
—	—	—	—	—	—	45·6	45·6	45·2	45·2	45·6	46·3	
46·4	46·2	46·2	45·	45·0	44·8	45·0	45·0	45·0	45·0	44·8	44·4	45·58
48·8	48·6	48·6	48·6	48·5	48·5	48·5	47·6	47·6	47·8	48·0	47·6	47·42
48·6	48·6	49·0	49·0	49·2	48·8	48·4	47·5	47·0	47·0	46·8	46·2	47·34
51·0	50·4	49·6	48·8	48·0	47·6	47·5	47·5	47·2	47·3	47·3	47·0	48·30
50·5	50·6	50·6	50·5	51·1	51·3	51·2	50·9	50·6	50·6	50·6	50·6	50·09
54·0	53·5	53·5	53·5	53·0	52·6	—	—	—	—	—	—	51·07
—	—	—	—	—	—	45·4	45·7	45·7	45·5	45·7	44·2	
47·0	48·0	48·0	47·8	48·0	47·7	47·4	46·2	45·6	45·2	45·4	45·0	46·13
49·6	49·7	49·5	48·4	48·2	48·2	47·6	47·0	46·6	46·6	46·5	46·1	47·80
49·4	49·2	49·2	49·0	49·0	48·7	48·7	48·5	48·4	48·5	48·2	47·5	48·30
52·4	51·5	50·9	50·5	50·0	49·7	49·7	49·6	49·0	49·0	49·0	48·7	49·66
49·4	48·2	47·4	46·0	45·1	44·5	44·0	43·7	43·0	42·8	41·6	41·2	46·96
39·1	39·5	39·9	40·0	39·8	39·0	—	—	—	—	—	—	39·21
—	—	—	—	—	—	37·4	37·4	37·6	37·8	38·8	38·8	
43·5	43·2	42·9	42·4	42·0	42·2	42·2	42·2	41·8	41·4	41·4	41·0	41·94
41·5	41·0	40·6	39·9	39·7	39·5	39·5	39·4	39·2	39·4	39·4	39·0	40·63
41·0	40·8	40·9	40·9	41·0	42·0	42·0	42·0	41·8	41·6	41·2	41·4	40·65
43·7	43·4	43·4	44·0	44·0	43·6	—	—	—	—	—	—	42·87
—	—	—	—	—	—	—	—	40·8	40·8	41·4	41·4	
49·0	47·8	46·8	46·7	46·6	46·6	—	—	—	—	—	—	45·55
—	—	—	—	—	—	45·2	45·0	45·0	45·0	45·0	45·0	
48·4	48·0	48·0	48·2	48·5	48·7	48·2	48·0	48·0	47·3	47·0	47·0	47·30
51·8	51·4	50·8	50·5	50·5	50·5	50·5	50·8	50·3	50·3	49·6	49·0	49·89
52·0	52·0	52·0	51·7	51·8	51·7	51·7	51·5	51·6	51·9	51·8	51·5	50·81
57·0	56·6	56·0	55·0	54·4	54·0	54·0	53·5	53·5	53·5	53·2	53·0	54·58
56·6	56·4	55·6	55·2	54·5	54·3	53·7	53·5	53·8	53·8	53·5	53·2	54·39
60·8	60·3	60·0	59·4	59·0	58·9	—	—	—	—	—	—	57·05
—	—	—	—	—	—	56·3	56·0	56·0	55·7	55·5	56·0	
59·9	59·5	59·2	58·7	58·7	58·5	58·5	58·2	58·4	58·2	58·0	57·6	58·04
49·67	49·38	49·14	48·80	48·59	48·44	47·84	47·60	47·15	47·09	47·01	46·75	47·97

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = ·000234.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
APRIL.	1	561·2	558·0	553·8	556·8	560·2	562·5	566·9	566·8	572·5	564·7	571·1	571·2
	2	573·1	572·8	567·8	561·5	559·1	562·5	567·3	569·3	570·0	573·0	576·0	576·4
	3	578·0	577·0	571·9	567·0	562·0	568·5	567·5	572·7	573·6	565·7	573·0	570·2
	4	576·0	572·5	573·5	560·0	554·6	555·6	559·7	566·0	569·2	577·6	577·4	576·1
	5	580·0	575·7	571·6	566·2	558·8	557·3	559·5	564·9	570·0	574·0	576·9	579·0
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	585·9	585·3	581·3	572·0	567·2	565·6	564·5	572·4	577·8	580·7	586·1	589·0
	8	587·4	587·0	583·1	574·9	566·4	564·0	563·0	569·5	579·0	587·0	594·5	590·0
	9	590·0	589·0	586·7	579·0	566·4	557·8	557·4	564·4	570·4	580·4	585·8	589·0
	10	585·0	585·5	582·0	575·6	563·7	557·2	552·8	558·6	565·9	571·5	579·0	581·5
	11	577·8	582·6	580·6	577·9	568·6	563·4	563·6	561·7	570·4	575·8	581·8	578·5
	12	584·5	587·5	578·8	567·0	558·1	556·0	559·6	564·4	567·1	568·0	572·8	574·0
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	556·5	544·0	547·3	542·4	537·8	551·6	537·4	526·8	549·3	556·9	557·0	559·1
	15	555·1	555·6	556·0	550·0	548·5	546·5	548·3	552·5	556·3	547·2	559·6	557·8
	16	558·5	555·0	555·0	549·8	546·0	543·6	550·2	554·2	560·0	559·2	561·6	561·7
	17	563·0	561·8	560·0	550·9	545·6	548·6	551·4	556·6	561·9	565·5	565·4	563·2
	18	568·9	565·2	561·2	551·2	545·1	555·5	561·2	569·8	570·0	565·2	564·0	559·0
	19	564·7	563·3	559·2	559·9	550·6	540·8	543·5	552·9	570·5	550·0	567·5	556·5
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	562·6	562·0	557·0	549·5	544·0	546·0	555·5	558·0	562·0	555·6	563·3	568·2
	22	566·5	565·9	556·5	542·6	540·0 [b]	542·6	550·5	555·0	558·7	560·4	563·6	561·5
	23	565·0	562·4	561·5	551·5	537·0	531·5	534·1	546·5	558·5	573·4	555·0	559·5
	24	559·4	559·8	558·9	555·5	536·3	536·8	533·6	537·4	548·6	549·5	553·0	552·0
	25	537·2	546·8	551·2	542·8	533·7	529·7	530·5	543·0	548·5	554·0	561·0	556·2
	26	562·7	560·8	552·3	549·0	540·5	538·9	543·0	551·3	560·8	564·6	567·8	564·4
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	548·0	534·5	533·0	530·5	522·6	535·0	542·7	541·5	551·8	556·0	560·9	557·2
	29	561·7	557·0	549·8	539·6	535·0	533·4	538·2	542·2	548·2	550·7	553·8	552·2
	30	557·4	558·2	548·9	540·7	540·6	537·7	544·8	551·0	561·8	562·5	564·8	559·5
Hourly Means		567·93	566·35	563·04	556·30	549·58	549·64	551·87	556·48	563·58	564·97	568·95	567·[illegible]

TEMPERATURE OF THE BIFILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
APRIL.	1	57·4	56·8	56·2	55·2	54·5	54·0	53·7	53·2	53·2	53·2	53·2	52·7
	2	49·0	49·0	49·5	50·5	51·5	52·0	52·4	52·5	52·5	52·7	53·0	53·2
	3	46·5	46·5	47·0	47·7	48·5	49·0	49·5	49·7	50·0	50·4	50·4	50·8
	4	48·6	49·1	49·5	50·0	50 0	50·2	50·4	51·0	51·0	51·0	51·2	51·0
	5	46·4	46·6	46·2	46·0	46·4	46·8	47·0	47·0	47 0	47·0	47·0	46·4
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	40·8	40·4	40·4	40·6	41·0	41·7	42·7	44·0	44·5	45·5	45·9	46·1
	8	39·3	39·2	39·2	38·7	38·5	39·5	40·0	40·5	41·0	42·0	43·5	43·9
	9	41·0	40·4	40·8	42·5	43·5	44·5	45·0	45·7	46·4	47·2	47·6	47·4
	10	48·0	48·0	48·5	49·6	50·0	50·7	51·1	51·5	51·4	51·4	51·6	51·4
	11	49·0	48·6	48·0	47·4	47·8	48·4	49·0	49·5	50·0	51·0	51·7	52·3
	12	47·2	47·5	48·3	49 5	50·4	51·2	52·0	52·3	52·7	53·2	53·8	54·0
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	51·7	52·3	53·0	53·7	54·6	55·7	56·0	56·2	56·6	57·5	58·4	58·9
	15	52·7	53·0	53·7	55·0	56·0	56·9	57·4	57·6	58·0	59·0	59·5	60·0
	16	55 0	54·5	54·0	54·0	54·4	54·6	55·0	55·0	54·6	54·4	54·4	54·2
	17	53·5	53·5	53·4	53·2	53·2	53·4	53·6	53·7	53·7	53·7	53·7	53·7
	18	53·2	53·4	53·2	53·2	53·7	54·2	54·5	55·0	55·0	55·2	55·5	55·7
	19	55·0	55·0	54·8	54·8	55·2	55·5	55·8	56·0	56·0	56·0	56·0	56·0
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	53·5	53·5	53·5	53·6	5·0	54·3	54·5	54·8	54·8	55·2	55·6	56·0
	22	52 7	53·5	54·5	55·5	·4	57·0	57·5	57·7	57·6	58·2	58·8	59·0
	23	56·6	56·8	57·3	58·	59·4	60·5	61·4	62·0	62·5	63·2	63·4	63·0
	24	62·6	62·5	62·2	·.0	63·0	64·2	64·8	65·6	66·2	66·6	66·3	66·0
	25	59·2	58·5	58·0	57·5	57·5	57·5	57·5	58·0	58·0	58·0	58·0	58·4
	26	56·5	56·5	56·5	57·0	57·5	58·0	58·5	58·7	59·0	59·8	60·5	61·0
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	57·0	57·0	57·4	57·6	57·8	58·8	59·4	60·5	61·4	62·2	63 0	63·5
	29	58·8	59·0	59·6	60·4	61·2	61·5	61·5	61·7	61·9	62·5	63 0	63·2
	30	58·2	57·8	57·8	58·3	59·2	59·7	60·0	60·4	61·5	62·1	62·4	62·7
Hourly Means		51·90	51·88	52·02	52·40	52·89	53·45	53·85	54·22	54·48	54·93	55·28	55·[illegible]

[b] Two minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·000234.

12^{h}.	13^{h}.	14^{h}.	15^{h}.	16^{h}.	17^{h}.	18^{h}.	19^{h}.	20^{h}.	21^{h}.	22^{h}.	23^{h}.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
568·5	568·5	568·1	566·7	567·0	565·8	566·0	569·4	568·8	571·0	573·9	574·1	566·40
570·6	571·6	573·8	573·8	575·9	577·8	576·2	577·0	581·2	578·9	581·0	576·0	572·61
571·5	571·2	574·6	574·7	573·0	564·[illegible]	72·5	567·9	567·0	574·2	579·8	577·9	571·48
567·0	569·3	572·5	573·6	576·[illegible]	572·[illegible]	75·0	575·0	574·5	578·0	578·0	577·5	571·13
579·0	577·0	579·9	578·0	572·0	577·0	—	—	—	—	—	—	574·25
—	—	—	—	—	—	[illegible]·0	577·5	577·8	[illegible]·0	582·9	588·2	
586·0	582·0	574·0	585·6	583·5	588·0	584·5	585·0	587·7	5[illegible]·5	588·0	585·8	580·90
587·6	587·6	587·4	586·0	585·8	585·8	587·9	587·0	587·6	588·4	589·0	588·8	583·20
581·6	580·6	583·2	584·6	582·1	584·0	583·0	585·0	582·5	582·0	583·2	584·0	579·67
578·0	576·8	577·0	577·0	577·0	577·0	577·8	578·0	579·0	579·0	579·0	579·6	574·72
575·9	576·0	575·2	575·0	576·0	576·8	578·9	580·0	581·4	580·6	580·0	582·8	575·89
574·4	570·2	569·1	572·0	572·4	573·0	—	—	—	—	—	—	565·67
—	—	—	—	—	—	555·5	551·1	549·8	555·0	550·7	*545·1	
558·3	551·9	552·7	548·5	552·4	553·0	552·9	557·4	554·0	557·0	558·5	559·0	550·92
560·3	553·0	551·1	553·5	555·1	554·2	554·2	553·9	558·8	557·0	556·6	556·2	554·04
565·0	563·4	560·3	562·0	561·0	562·0	563·3	562·0	562·8	566·0	563·0	562·8	558·64
565·5	567·0	567·0	565·0	565·0	564·0	565·0	570·0	568·2	570·8	570·4	563·8	562·40
565·0	562·0	549·5	554·0	561·5	558·0	559·9	562·8	559·4	551·0	564·6	565·5	560·40
562·0	553·5	560·2	559·6	559·6	562·0	—	—	—	—	—	—	558·97
—	—	—	—	—	—	563·8	560·0	560·1	566·6	564·5	564·0	
560·2	561·4	564·6	563·0	569·5	564·6	562·5	563·0	561·9	562·0	563·0	564·0	560·15
563·0	561·0	558·0	559·0	561·0	558·1	562·5	563·0	564·5	565·0	565·0	566·4	558·78
561·1	554·3	555·0	555·0	549·0	552·1	553·0	552·7	551·8	558·6	556·8	560·8	554·04
546·8	549·5	548·0	547·9	548·2	548·6	549·7	540·3	531·1	546·7	551·8	550·3	547·49
557·7	557·8	557·5	555·8	556·6	554·9	556·4	561·5	558·0	557·9	561·0	561·0	551·30
561·1	559·4	560·6	555·3	561·3	559·6	—	—	—	—	—	—	553·03
—	—	—	—	—	—	539·4	542·2	543·5	549·0	537·3	548·0	
551·0	538·4	543·8	545·0	542·5	543·0	546·0	545·0	547·0	549·0	555·0	559·8	544·97
550·0	551·2	552·0	552·0	552·0	552·0	553·0	552·7	554·8	555·9	554·8	555·0	549·97
559·5	556·0	517·4	517·0	513·8	532·3	529·8	541·3	552·9	554·6	550·0	553·0	545·70
566·41	564·22	562·79	563·06	563·44	563·85	563·41	563·87	564·08	566·07	566·84	567·28	562·57

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
52·5	52·2	52·2	51·8	51·5	51·5	50·4	49·8	49·6	49·4	49·4	49·0	52·61
53·0	52·6	52·2	51·4	51·4	51·2	51·0	50·0	49·0	48·6	48·0	47·0	50·97
49·8	49·5	49·2	49·0	48·5	47·8	47·8	47·4	47·0	47·8	48·7	49·0	48·64
50·2	49·5	49·2	48·5	48·5	48·4	48·4	48·0	48·0	47·5	47·0	47·0	49·30
46·4	46·0	45·8	45·5	45·0	44·6	—	—	—	—	—	—	45·41
—	—	—	—	—	—	43 2	43·4	42·8	42·8	42·6	42·0	
46·0	44·9	44·5	44·3	43·0	42·8	42·6	42·4	42·0	41·8	41·4	40·0	42·89
43·8	44·2	44·3	43·6	43·2	42·6	42·2	41·2	41·2	41·0	41·2	41·0	41·45
47·0	47·0	46·8	46·2	46·0	46·4	46·6	46·5	47·0	47·2	47·5	47·7	45·58
51·0	50·3	50·0	49·8	49·5	49·7	49·6	49·4	49·4	49·4	49·4	49·0	49·99
52·5	52·2	51·4	50·5	50·0	50·0	49·6	49·0	49·2	49·0	48·4	48·2	49·70
53·8	53·2	53·2	53·2	53·2	53·0	—	—	—	—	—	—	52·09
—	—	—	—	—	—	53·6	53·5	53·2	53·0	53·0	52·2	
59·7	59·4	59·0	58·0	57·6	56 8	56·4	55·5	55·0	54·5	54·0	53·4	55·99
60·8	60·4	59·8	59·0	58·6	58·2	57·6	57·2	56·7	56·3	56·2	55·2	57·29
54·0	53·6	53·6	53·7	53·8	53·9	53·9	53·5	53·5	53·5	53·5	53·5	54·09
53·6	53·5	53·5	53·5	53·5	53·3	52·8	52·7	52·8	53·2	53·6	53·6	53·41
55·3	55·0	54·8	54·8	55·0	55·0	55·0	55·0	55·0	55·0	55·0	55·0	54·65
56·0	56·0	56·3	56·4	56·4	56·4	—	—	—	—	—	—	55·02
—	—	—	—	—	—	52·0	52·1	52·7	53·1	53·5	53·5	
55·8	55·4	55·4	55·2	54·8	54·0	54·2	53·6	53·2	53·2	53·2	52·5	54·33
59·3	58·5	58·2	57·7	57·7	57·9	57·9	57·5	57·5	57·2	57·0	57·0	57·17
63·0	63·0	62·7	63·0	63·0	63·0	62·5	62·4	62·4	62·5	62·6	62·2	61·54
63·5	65·0	65·0	64·8	64·3	64·3	64·0	63·2	62·6	62·4	61·4	60·0	63·96
58·5	58·0	57·6	57·3	57·2	57·2	57·2	57·0	56·7	56·6	56·6	56·5	57·60
61·6	61·6	61·6	60·8	61·0	61·0	—	—	—	—	—	—	59·03
—	—	—	—	—	—	59·0	59·0	58·4	58·2	57·8	57·0	
63·2	63·0	62·9	62·5	62·0	61·6	61·4	60·6	60·2	60·0	59·3	59·1	60·47
62·8	62·0	61·5	61·5	61·0	60·5	60·0	59·7	59·5	59·5	59·2	58·6	60·84
62·4	62·4	62·0	62·2	62·0	61·8	61·6	61·0	61·2	61·4	61·6	61·1	60·87
53·29	54·94	54·72	54·39	54·14	53·96	53·48	53·10	52·92	52·85	52·73	52·32	53·65

* Three minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah'. = ·000234.

MAY. Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div	Sc. Div.
1	554·8	556·0	549·3	545·3	544·7	548·0	548·0	550·0	551·9	549·0	546 5	549·5
2	552·0	552·4	547·7	541·0	540·0	540·2	552·6	557·8	557·4	552·7	559·5	556·0
3	561·5	560·0	552·5	545·7	545·8	549·6	553·6	554·2	558·3	558·0	564·4	562·4
4	—	—	—	—	—	—	—	—	—	—	—	—
5	564·8	564·7	561·7	553·7	552·0	552·8	560·5	567·2	570·2	566·9	571·4	572·0
6	568·2	566·8	562·4	556·6	551·8	552·5	563·7	576·3	573·0	580·6	571·5	569·0
7	570·2	569·0	563·1	551·6	544·0	556·3	563·4	564·0	575·0	576·5	583·0	572·5
8	576·5	572·7	564·1	556·0	557·5	553·6	553·5	553·4	564·0	568·0	573·5	574·0
9	577·0	578·0	570·0	561·8	555·7	554·6	559·6	561·6	570·4	574·4	574·2	566·0
10	568·6	564·6	557·0	550·8	550·0	548·2	550·2	558·2	5.3·6	564·5	562·0	561·5
11	—	—	—	—	—	—	—	—	—	—	—	—
12	550·6	550·3	543·8	542·4	546·5	546·9	548·9	549·0	551·3	553·8	549·2	547·0
13	549·3	542·9	537·5	537·0	539·6	539·5	541·5	550·0	553·0	552·0	548·0	547·0
14	547·5	549·0	542·5	531·5	535·0	537·0	535·0	539·5	546·5	547·8	559·4	556·0
15	546·5	539·0	543·0	552·7	542·9	547·0	552·9	556·1	556·9	555·0	563·2	547·0
16	563·3	563·0	567·6	561·8	557·0	558·6	543·7	562·3	563·5	568·8	566·3	567·0
17	569·8	573·2	570·2	564·7[c]	565·2	571·6	572·9	569·6	569·0	568·0	569·6	578·0
18	—	—	—	—	—	—	—	—	—	—	—	—
19	556·8	552·0	550·3	548·5	537·7	542·6	545·9	554·0	557·0	549·0	550·5	553·6
20	562·1	556·4	551·6	551·0	550·0	553·0	556·0	556·7	562·8	568·0	571·5	561·6
21	561·8	559·0	548·0	537·0	535·7	543·9	546·6	558·1	558·2	565·2	563·7	569·2
22	564·6	565·5	560·0	547·4	533·6	533·2	545·8	554·9	566·6	580·5	565·1	567·9
23	568·7	567·0	561·8	555·0	552·4	551·9	551·9	552·5	557·7	564·2	574·9	564·0
24	561·9	561·9	564·4	560·0	553·0	553·3	558·8	566·0	563·0	560·5	565·0	564·0
25	—	—	—	—	—	—	—	—	—	—	—	—
26	573·0	570·8	566·9	559·6	553·6	553	555·3	557·0	562·7	567·8	573·0	566·6
27	567·0	565·0	560·0	550·8	543·9	5'	546·6	556·8	562·7	563·6	561·2	556·1
28	563·5	559·4	557·0	549·2	544·8	545	548·1	553·6	558·9	563·3	561·8	559·1
29	562·8	566·7	562·6	558·0	562·8	565·2	569·8	578·1	582·0	580·2	576·9	573·0
30	580·5	577·2	571·3	562·1	558·5	561·0	568·0	580·0	590·0	580·0	583·6	575·5
31	564·5	566·0	577·0	567·4	557·9	540·3	544·7	548·0	559·0	557·5	560·0	569·5
32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	563·25	561·80	557·90	551·80	548·58	549·88	553·24	558·70	563·13	564·52	565·51	563·7

TEMPERATURE OF THE BIFILAR MAGNET.

MAY. Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
	°	°	°	°	°	°	°	°	°	°	°	°
1	61·0	61·4	62·3	62·9	63·5	63·8	64·5	65·0	65·4	66·4	67·4	67·5
2	60·2	60·0	60·0	60·0	59·7	59·5	59·4	59·5	60·0	60·8	61·8	62·0
3	57·5	58·3	58·8	59·4	59·5	59·7	60·5	61·0	61·8	62·0	62·2	61·8
4	—	—	—	—	—	—	—	—	—	—	—	—
5	54·0	54·5	55·0	55·2	55·4	55·5	55·8	56·0	56·0	56·4	57·0	57·2
6	53·0	53·6	54·4	55·0	56·0	56·0	56·5	57·0	57·5	57·9	58·9	60·0
7	54·2	53·7	53·6	53·0	53·2	53·6	54·0	54·5	55 0	56·0	57·0	57·2
8	51·0	51·8	52·8	53·5	54·0	53·7	53·0	53·2	54·0	55·0	55·5	55·3
9	53·5	54·5	55·5	57·0	57·7	58·2	58·4	58·4	58·6	59·0	60·6	60·5
10	55·7	56·2	57·0	58·0	58·6	59·4	59·8	60·2	60·6	61·3	62·0	62·4
11	—	—	—	—	—	—	—	—	—	—	—	—
12	63·4	64·2	65·2	66·3	67·5	68·5	69·0	70·0	71·2	72·0	71·6	72·0
13	66·5	66·2	66·5	67·4	68·2	69·4	70·2	71·0	72·3	72·5	72·5	72·5
14	66·3	66·3	66·5	66·5	66·5	66·9	66·9	67·2	67·4	67·2	67·2	67·6
15	61·5	60·0	59·0	57·8	57·2	57·0	57·2	57·4	58·0	58·4	58·6	58·8
16	53·7	54·5	54·7	55·4	56·2	56·2	56·4	56·7	56·9	57·2	57·4	56·8
17	53·6	54·2	55·2	56·5	57·2	58·1	58·6	58·9	59·3	60·3	60·6	61·5
18	—	—	—	—	—	—	—	—	—	—	—	—
19	60·0	61·0	61·9	62·3	63·0	63·8	64·0	64·5	64·5	64·5	64·0	64·2
20	59·4	59 8	60·0	60·0	60·5	61·2	61·5	61·8	61·8	62 0	62·5	62·5
21	56·0	56·0	56·8	57·3	57·7	58 5	58·5	58·8	59·2	60·3	61·6	62·6
22	55·5	55·3	55·2	55·4	55·8	56·4	56·6	56·7	56·5	56·7	56·8	56·8
23	53·4	54 6	55·2	56·0	56·8	57·3	58·0	58·0	58·8	59·5	60·1	61·0
24	54·5	55·0	55·5	55·5	56·0	56·2	56·5	57·2	57·7	58·5	58·5	58·1
25	—	—	—	—	—	—	—	—	—	—	—	—
26	54·6	54·7	55·5	56·5	58·2	59·0	60·2	60·4	62·0	62·2	64·4	64·6
27	60·5	60·5	60·5	61·0	62·4	63·2	63·8	64·6	65·5	66·2	66·6	66·0
28	62 6	62·6	62·4	62·4	62·6	63·5	63·6	63·8	64·0	64·2	65·2	63·3
29	55·2	54·6	54·2	54·0	54·0	54 6	55·0	55·4	55·4	55·7	56·4	56·1
30	50·6	51 5	52·6	53·8	54·5	55·0	55·0	55·0	55·4	56·0	57·0	58·0
31	54·5	55·0	56·0	56·6	57·6	58·2	58·7	59·6	60·5	61·5	62·5	63·2
32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	57·11	57·41	57·86	58·32	58·87	59·35	59·69	60·07	60·57	61·10	61·68	62·07

[c] Five minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000067 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·000234.

12^h.	13^h.	14^h.	15^h.	16^h.	17^h.	18^h.	19^h.	20^h.	21^h.	22^h.	23^h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
544·7	542·9	543 0	543 8	544·2	544·9	544·2	546·9	549·0	548·8	549·3	551·8	547·78
553·2	553·6	555·0	552·2	555·0	556·0	554·0	555·0	558·0	561·0	562·0	562·4	553·64
562·7	565·1	572·4	563·4	568·2	556·0	—	—	—	—	—	—	559·35
—	—	—	—	—	—	558·9	562·0	560·5	562·5	563·0	563·8	
565·1	568·0	561·2	562·0	563·1	562·1	562·5*	561·6	565·0	564·6	565·6	566·2	563·58
564·0	564·0	561·0	562·0	561·8	561·2	558·4	560·7	565·6	567·0	565·3	569·0	564·68
566·5	565·8	560·0	566·4	566·2	568·8	569·0	570·5	570·0	571·9	573·0	572·8	567·33
572·2	574·9	575·6	572·6	572·5	575·4	575·3	573·3	572·0	571·2	570·7	575·5	568·92
567·0	564·5	563·2	561·7	563·0	562·8	564·0	565·0	567·5	568·0	569·0	570·8	566·28
562·0	562·2	562·8	561·3	562·3	562·0	—	—	—	—	—	—	557·42
—	—	—	—	—	—	546·6[b]	548·8	550·4	552·8	553·7	553·6	
545·0	544·0	544·0	544·9	547·0	547·4	547·9	549·2	548·0	546·2	550·0	550·4	547·65
533·4	542·6	543·3	540·8	530·3	544·1	551·0	545·1	542·6	545·2	547·4	547·8	543·79
552·3	539·6	547·4	548·0*	544·6	545·5	548·3	550·5	547·0	546·7	554·5	551·0	546·47
559·0	558·6	556·8	555·5	557·0	561·0	562·0	568·0	571·0	572·0	563·0	567·6	556·42
564·0	566·0	565·8	564·0	565·5	563·0	564·0	561·8	562·4	561·0	564·3	566·6	562·97
569·0	572·0	560·5	548·4	576·5	576 6	—	—	—	—	—	—	565·04
—	—	—	—	—	—	551·1	552·9	549·7	553·2	557·2	552·0	
533·0	555·9	550·0	545·9	548·8	551·2	550·5	550·9	552·6	556·0	558·0	561·0	551·32
553·2	553·9	543·2	546·9	551·1	563·1	550·8	551·6	556·0	557·4	558·7	554·8	555·89
565·0	559·0	553·1	553·6	554·2	560·7	563·2	560·1	566·5	566·5	567·3	569·5	557·71
568·0	568·0	565·9	565·0	558·0	558·0	556·0	556·4	561·4	562·8	563·0	563·8	559·64
567·0	564·5	561·6	561·0	560·4	560·7	561·8	563·2	562·2	552·2	556·1	554·3	560·29
564·6	564·0	562·8	550·1	558·3	568·8	—	—	—	—	—	—	563·43
—	—	—	—	—	—	568·8	568·2	569·1	570·0	569·9	570·0	
560·0	558·6	557·2	557·8	556·9	556·7	558·0	558·6	559 8	561·2	562·8	565·0	561·35
554·2	553·0	557·4	554·0	555·0	556·2	556·8	—	—	—	560·0	562·6	556·30
559·0	554·2	554·9	557·0	558·0	559·5	560·0	558·8	564·4	563·8	564·6	547·2	557·05
574·0	574·0	569·0	559·0	565·7	567·0	565·6	568·3	565·4	559·4	567·6	573·4	568·69
559·2	559·8	557·1	553·2	556·5	564·5	561·9	560·0	565·6	559·8	562·8	564·5	567·19
560·4	559·9	553·8	554·8	547·8	552·1	—	—	—	—	—	—	557·65
—	—	—	—	—	—	554·7	557·9	558·3	555·8	558·0	558·0	
559·95	559·58	557·78	555·75	557·33	559·46	557·97	558·67	560·00	559·88	561·59	561·66	558·82

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
67·7	66·8	66·2	65·6	65·0	64·2	63·6	62·9	62·3	61·8	61·4	60·8	64·14
62·8	62·8	62·4	61·1	60·8	60·0	59·5	59·0	58·5	58·4	58·0	58·0	60·20
62·0	61·7	61·4	61·0	61·0	60·6	—	—	—	—	—	—	59·26
—	—	—	—	—	—	56·7	56·0	55·5	55·0	54·5	54·4	
57 6	57·2	56·5	56·0	55·6	55·2	54·6	54·4	54·0	53·7	53·5	52·6	55·37
59·7	58·7	58·0	57·7	57·0	57·0	56·0	55·8	55·2	54·8	54·8	54·5	56·46
58·0	57·2	56·0	55·0	54·4	54·0	53·4	52·6	52·0	51·6	51·4	51·0	54·23
55·0	54·6	54·4	54·4	54·5	54·0	54·2	53·7	53·5	53·5	53·4	53·0	53·80
61·2	60·8	59·8	59·2	58·6	57·8	57·5	56·7	56·5	56·5	56·0	55·7	57·83
62·5	62·5	62·0	61·5	61·0	60·5	—	—	—	—	—	—	61·17
—	—	—	—	—	—	64·8	64·8	64·6	64·6	64·7	63·5	
72·0	71·5	71·0	70·8	70·6	70·2	70·0	69·2	68·5	68·0	67·6	67·0	69·05
72·0	72·0	70·8	70·2	69·6	69·2	68·8	68·2	67·8	67·2	67·0	66·5	69·35
68·0	68·0	67·6	67·2	67·0	66·6	66·2	65·5	65·0	63·9	63·0	62·0	66·35
59 0	58·7	58·0	57·0	56·4	56·0	55·5	55·0	54·5	54·2	54·0	53·8	57·21
56 8	56·8	56·8	56·8	56·5	56·4	56·4	56·2	56·4	56·4	55·2	53·6	56·10
62 0	62·0	61·2	61·2	60·5	60·2	—	—	—	—	—	—	59·36
—	—	—	—	—	—	61·0	61·2	61·2	60·6	60·2	59·4	
64·0	64·0	64·9	64·6	64·0	63·1	62·2	61·2	60·7	60·0	59·6	59·4	62·69
62·6	62·6	61·6	60·6	60·0	59·4	58·7	58·2	57·5	56·8	56·4	56·0	60·15
63·2	63·0	62·3	61·9	61·0	60·0	59·2	58·2	57·5	56·7	56·5	56·0	59·13
56·5	56·5	56·5	56·0	56·0	55·5	55·5	55·5	55·2	55·2	54·6	53·2	55·83
61·5	61·2	60·5	60·3	59 8	58·8	57·7	56·6	55·6	55·0	55 0	54·2	57·70
58·0	57·8	57·2	56·6	55·6	55·0	—	—	—	—	—	—	56·22
—	—	—	—	—	—	55·0	55·0	55·0	55·0	55·0	54·7	
66·0	65·8	65·4	65·0	64·5	64·0	63·5	62·7	62·3	61·8	61·4	61·0	61·49
68·3	68·0	66·5	66·0	65·5	65·2	64·7	—	—	—	62·5	62·4	64·38
65·5	65·0	64·0	62·0	61·2	60·4	59·5	58·7	57·5	57·4	57·6	55·8	61·96
57·2	54·8	54·5	54·8	54·4	53·8	52·9	52·2	51·5	51·2	51·2	50·2	54·16
58·6	58·0	57·5	57·2	57·0	56·8	56·5	56·4	56·0	55·9	55·2	54·0	55·56
63·0	63·0	62·4	61·7	61·0	60·5	—	—	—	—	—	—	59·87
—	—	—	—	—	—	61·3	60·6	60·4	60·0	59·5	59·5	
62·25	61·89	61·29	60·79	60·31	59·79	59·44	58·71	58·26	57·89	57·75	57·12	59·57

* Three minutes late.

[b] Six minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·000234.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.	12^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
JUNE.	2	561·0	558·0	554·0	547·0	542·8	550·0	552·6	554·3	555·9	557·1	556·2	557·4	557·0
	3	558·0	556·5	554·0	545·6	535·8	534·6	539·0	544·2	552·0	551·5	557·3	558·0	555·1
	4	566·6	556·1	551·5	523·2[a]	531·5	535·5	536·2	530·0	538·2	542·0	539·0	547·1	545·0
	5	551·3	551·0	552·9	547·7	541·9	538·0	538·0	540·0	549·0	550·9	557·0	550·9	554·0
	6	558·5	557·5	546·5	539·0	535·9	540·5[b]	544·5	550·0	551·8	552·2	560·0	564·0	571·2
	7	568·0	567·0	566·0	559·0	552·8	553·0	555·3	559·2	563·0	571·3	571·2	564·0	563·0
	8	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	550·0	545·8	543·8	534·6	533·8	539·2	540·8	549·7	545·5	546·2	539·0	547·9	548·0
	10	534·6	554·8	550·6	548·9	542·7	542·8	542·4	542·1	542·0	542·5	554·0	552·0	545·0
	11	547·2	545·5	546·1	543·0[a]	531·9	537·6	542·7	541·0	545·0	548·0	551·0	550·0	547·0
	12	550·5	555·0	555·0	543·8	533·9	531·0	536·0	545·0	553·7	559·0	563·8	559·6	555·0
	13	553·0	551·4	546·5	545·0	545·8	548·0	552·8	553·0	552·7	554·0	555·2	557·1	552·0
	14	555·0	552·5	548·5	541·9	538·0	538·2	542·5	555·2	564·8	569·4	566·2	557·4	556·0
	15	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	573·6	574·5	569·0	562·2	558·6	559·2	558·8	564·0	574·0	575·9	579·0	570·2	568·0
	17	570·8	570·0	565·8	564·0	564·9	562·5	569·3	570·6	577·0	580·0	573·0	570·0	570·0
	18	570·5	569·4	565·0	558·0	549·6	547·7	553·0	556·8	565·0	569·8	567·9	565·1	565·2
	19	567·3	573·0	569·2	562·4	557·0	553·8	555·0	565·4	573·0	570·6	572·0	568·0	563·0
	20	564·8	558·0	553·0	551·2	545·2	544·8	554·2	563·6	568·6	574·4	570·0	568·1	559·0
	21	557·8	555·9	556·0	548·2	543·0	543·6	545·7	543·0	551·0	553·5	552·0	552·1	553·0
	22	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	562·8	566·6	564·0	553·8	547·8	554·0	553·4	553·0	560·8	563·0	562·5	564·0	555·0
	24	557·0	559·0	556·8	551·0	546·0	544·0	545·0	551·7	571·7	560·0	556·0	548·8	549·0
	25	555·4	554·0	553·0	545·0	542·4	544·0	541·8	547·6	553·8	557·6	553·0	559·0	554·0
	26	562·3	557·9	548·6	542·0	541·2	542·0	545·8	553·0	563·0	568·0	569·0	564·0	557·0
	27	564·6	564·4	558·8	554·8	551·5	552·0	553·0	556·7	564·0	570·7	569·0	568·0	556·0
	28	550·2	557·2	551·2	546·9	547·8	551·0	552·8	552·5	559·3	563·0	563·0	560·0	563·0
	29	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	564·0	560·0	556·9	553·5	548·5	547·6	556·7	561·8	576·1	568·3	571·6	571·6	559·7
Hourly Means		559·79	558·84	555·31	548·43	544·35	545·38	548·29	552·38	558·84	560·76	561·12	560·05	557·0

TEMPERATURE OF THE BIFILAR MAGNET

		°	°	°	°	°	°	°	°	°	°	°	°	°
JUNE.	2	59·0	59·0	59·0	59·5	60·6	62·0	63·0	63·8	64·2	65·8	67·2	67·7	68·0
	3	64·5	64·5	64·5	65·0	65·2	65·8	65·8	67·5	68·0	69·0	69·5	69·8	70·0
	4	65·4	66·4	67·0	67·6	68·0	69·0	69·5	71·0	71·4	71·9	71·9	72·0	72·0
	5	67·2	67·3	67·2	67·0	67·0	67·4	67·2	67·4	67·4	68·0	68·5	68·5	68·5
	6	63·0	63·0	63·0	63·2	63·4	63·4	63·6	63·8	63·6	63·4	63·4	63·2	63·2
	7	59·5	59·6	59·6	59·5	59·8	60·0	60·4	60·8	61·5	62·4	62·8	63·2	63·0
	8	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	68·2	68·6	69·4	70·2	70·8	71·0	71·4	72·0	72·7	74·2	74·2	73·9	73·7
	10	69·2	69·8	70·4	71·0	71·5	72·0	72·8	73·4	74·4	74·5	74·5	74·3	74·1
	11	69·0	68·6	68·7	69·0	69·4	69·5	70·0	70·5	71·0	71·7	72·3	72·6	72·8
	12	67·6	67·6	67·6	67·3	67·5	67·8	68·4	68·6	69·2	69·4	69·6	71·0	72·0
	13	69·0	69·2	69·5	70·0	70·2	70·0	70·4	70·6	71·8	72·2	73·2	73·0	72·7
	14	68·2	66·5	67·0	67·6	68·0	67·7	68·1	68·2	68·4	68·6	69·0	69·2	70·4
	15	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	60·0	60·0	60·5	61·0	61·4	61·6	62·0	62·0	62·0	62·0	62·0	61·6	61·5
	17	58·2	58·7	59·0	59·5	59·5	59·5	59·7	60·0	60·5	61·8	62·8	63·4	63·4
	18	59·4	59·5	60·0	61·0	62·0	62·8	63·5	63·7	64·5	65·3	66·0	66·2	66·2
	19	62·6	63·0	63·5	65·2	65·0	65·5	66·0	66·5	66·8	67·7	68·0	69·0	69·0
	20	63·8	63·8	63·4	64·2	65·4	66·2	67·4	67·7	68·4	69·0	69·8	69·6	69·4
	21	66·6	66·4	66·8	67·3	68·2	69·0	69·6	70·2	70·4	71·0	71·5	72·0	72·0
	22	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	64·7	65·2	66·0	66·5	67·4	68·4	68·9	70·0	70·5	71·5	72·3	72·0	73·0
	24	69·0	69·4	70·2	71·0	72·0	72·5	73·0	74·0	74·2	74·5	75·0	75·0	76·0
	25	69·8	69·4	69·4	69·8	70·4	71·0	71·0	71·1	71·0	71·2	71·6	72·0	72·0
	26	65·2	65·4	66·0	66·7	67·0	67·5	67·9	68·0	68·5	68·8	69·4	70·0	71·0
	27	65·0	65·2	66·2	67·0	68·0	68·5	68·8	69·3	69·5	70·5	71·2	72·0	72·0
	28	67·0	66·6	66·5	66·5	66·5	66·2	66·5	66·7	67·0	66·7	67·0	67·0	67·0
	29	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	64·5	64·7	65·4	65·5	65·7	65·7	65·8	66·0	66·2	66·0	66·4	66·5	66·5
Hourly Means		65·02	65·10	65·43	65·92	66·40	66·80	67·23	67·71	68·12	68·68	69·16	69·53	69·7

[a] Three minutes late. [b] Six minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah^t. = ·000234.

12^h.	13^h.	14^h.	15^h.	16^h.	17^h.	18^h.	19^h.	20^h.	21^h.	22^h.	23^h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
557·0	552·4	548·6	550·4	548·5	548·7	550·0	550·0	552·0	552·0	553·0	554·0	552·62
555·1	550·5	549·2	550·0	549·5	551·5	543·0	537·8	540·6	542·8	560·0	559·6	549·00
545·0	538·0	539·5	537·0	544·8	547·0	547·8	548·0	549·4	546·6	545·6	549·3	543·14
554·0	555·6	552·5	553·2	552·8	551·0	552·8	554·9	551·0	551·4	552·5	554·5	550·20
571·2	571·2	567·4	567·8	566·7	566·6	564·8	562·8	563·0	563·8	565·0	567·5	558·28
563·0	561·0	564 0	565·2	557·3	560·0	—	—	—	—	—	—	556·93
—	—	—	—	—	—	538·0	537·0	537·0	541·0	543·0	550·0	
548·0	543·0	545·8	549·0	548·0	550·0	552·0	551·8	551·8	552·4	551·6	553·6	546·39
545·0	543·5	545·0	543·0	545·0	547·0	549·8	548·8	549·2	542·4	542·9	545·1	546·47
547·7	545·7	549·0	541·3	543·3	545·8	546·4	547·5	548·0	549·6	547·5	547·0	545·33
535·8	553·0	541·3	545·0	545·2	546·5	546·2	548·0	549·0	549·8	550·8	551·0	548·66
552·0	550·7	548·1	547·4	548·0	548·0	548·0	550·0	551·0	551·0	551·0	554·8	550·60
556·0	553·1	547·6	550·0	550·0	552·0	—	—	—	—	—	—	554·95
—	—	—	—	—	—	563·0	564·0	563·5	562·0	564·0	563·9	
568·0	566·0	569·0	565·8	567·9	569·4	565·2	564·0	565·4	560·1	562·4	565·8	567·00
570·6	563·9	567·0	561·8	565·4	561·5	561·6	562·3	562·8	564·2	563·0	567·2	567·36
563·3	563·9	565·0	563·6	565·0	566·7	560·0	564·1	562·0	566·0	566·0	568·0	563·03
563·6	563·6	560·0	561·0	555·9	552·0	551·6	551·0	560·0	557·0	556·0	563·0	561·81
559·4	557·0	561·0	556·8	557·0	555·0	553·0	553·7	553·0	555·0	554·7	557·0	557·87
553·0	551·0	555·2	556·0	553·6	552·0	—	—	—	—	—	—	553·40
—	—	—	—	—	—	556·4	556·8	559·1	562·4	558·8	560·0	
553·5	552·4	545·5	547·8	545·8	539·8	544·8	550·2	549·7	549·8	551·3	556·0	553·03
549·4	542·0	542·8	545·9	546·1	546·2	547·3	547·0	548·4	548·0	548·6	553·5	550·51
554·2	553·1	548·0	550·1	550·6	549·4	550·0	549·0	550·5	553·0	553·0	559·3	551·12
557·0	556·8	556·5	557·0	557·0	556·0	555·0	554·0	555·3	560·0	560·0	561·2	555·94
556·0	558·0	555·0	558·6	562·0	554·7	564·4	560·8	558·8	555·2	561·6	555·2	559·49
563·6	556·8	554·0^b	541·7	552·0	552·5	—	—	—	—	—	—	553·35
—	—	—	—	—	—	547·0	547·0	548·2	550·2	554·5	558·0	
559·7	548·0	553·7	536·2	528·0	547·3	548·0	554·6	556·3	557·2	561·0	562·8	556·23
557·00	554·09	553·23	552·06	552·22	552·66	552·24	552·60	553·40	553·72	555·19	557·49	554·14

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
68·0	68·2	68·0	67·5	67·2	66·6	66·4	65·7	65·5	65·0	65·0	64·5	64·52
70·0	70·0	70·0	69·5	69·0	68·5	68·0	67·7	67·6	67·2	66·6	65·8	67·46
72·0	71·7	71·2	70·4	70·3	70·3	69·6	68·8	68·0	68·2	68·0	67·3	69·45
68·5	68·2	67·8	67·2	66·6	66·0	66·0	65·4	65·0	64·5	64·0	63·5	66·78
61·2	63·0	62·8	62·4	62·1	61·8	61·5	61·0	60·5	60·4	60·1	59·5	62·43
63·2	63·0	62·6	62·4	62·4	62·2	—	—	—	—	—	—	63·17
—	—	—	—	—	—	69·0	69·0	68·6	68·5	68·2	68·0	
73·7	75·3	74·6	74·0	73·2	72·8	72·2	72·0	71·6	71·4	70·8	69·4	72·15
74·5	73·7	73·2	72·8	72·7	72·5	72·2	71·6	71·2	70·8	70·2	69·2	72·19
72·8	72·6	72·0	71·6	71·0	70·4	70·0	69·0	69·0	68·8	68·8	68·2	70·27
72·4	72·8	72·6	72·0	71·5	71·2	70·7	70·5	70·3	69·9	69·4	68·8	69·74
72·7	72·3	71·4	71·0	70·5	70·4	70·0	69·5	69·0	68·7	68·0	68·2	70·45
70·0	70·2	69·4	68·5	67·0	66·5	—	—	—	—	—	—	66·28
—	—	—	—	—	—	60·7	60·7	60·7	60·5	60·1	60·0	
61·3	61·0	61·0	60·7	60·4	60·4	60·4	59·6	59·2	59·0	58·6	57·8	60·65
63·4	63·6	63·2	63·4	63·0	62·6	62·2	61·5	60·8	60·0	59·7	59·2	61·05
66·2	66·0	65·4	65·2	65·0	64·7	64·5	64·2	63·5	63·2	62·7	62·3	63·62
69·5	69·5	69·0	68·5	68·0	67·5	67·0	66·6	65·2	64·5	64·0	64·2	66·35
69·0	68·8	68·8	68·6	68·6	68·0	67·7	67·7	67·7	67·5	67·2	67·0	67·30
72·0	72·0	70·5	70·0	69·4	68·8	—	—	—	—	—	—	68·52
—	—	—	—	—	—	66·0	65·8	65·8	65·4	65·6	64·3	
73·0	73·0	73·0	73·0	72·8	72·4	71·8	71·0	70·8	70·3	70·0	69·6	70·18
76·0	76·0	75·2	74·5	74·2	73·6	73·2	72·5	72·0	71·4	70·7	70·0	72·90
72·4	72·0	71·6	70·9	70·4	69·8	68·8	67·8	67·0	66·5	66·0	65·2	69·84
71·0	71·0	70·5	70·2	69·5	69·0	68·3	68·6	68·6	68·3	67·8	65·4	68·30
72·5	72·5	72·3	71·7	71·3	70·6	70·0	69·2	68·8	68·4	68·2	67·3	69·35
67·0	67·0	67·0	66·6	66·6	66·4	—	—	—	—	—	—	66·36
—	—	—	—	—	—	66·2	65·8	65·5	65·2	65·0	64·2	
66·5	66·3	65·9	65·6	65·3	65·0	64·5	63·9	63·5	63·0	63·0	62·5	65·14
69·71	69·59	69·16	68·73	68·32	67·92	67·48	67·00	66·62	66·27	65·91	65·26	67·38

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = ·000234.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
JULY.	1	566·2	566·7	568·0	569·6	570·0	569·6	566·6	564·4	563·6	564·2	561·6	563·0
	2	562·4	564·8	561·5	556·4	561·2	564·8	567·6	562·3	559·9	554·3	561·0	559·6
	3	560·6	560·4	559·0	559·4	554·1	552·3	555·6	548·0	560·3	559·0	561·8	561·0
	4	559·7	561·0	559·8	553·6	546·9	551·0	546·9	547·0	555·0	562·0	572·2	572·0
	5	572·0	567·2	559·9	551·0	547·5	546·0	553·0	557·4	563·6	567·0	572·5	565·6
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	556·0	556·0	547·5	539·5	524·4	524·0	523·4	525·4	537·8	547·8	554·2	554·2
	8	553·8	555·5	549·5	540·7	538·3	535·8	537·0	540·5	533·9	546·3	543·0	543·8
	9	551·1	546·3	540·2	528·5	522·8	526·7	534·0	540·0	551·0	553·0	554·0	550·9
	10	548·0	557·2	550·7	551·8	545·0	547·0	547·9	547·0	546·0	549·0	549·0	552·8
	11	552·7	550·1	545·9	539·0	535·0	541·0	543·0	547·8	556·0	552·5	550·0	550·2
	12	547·8	546·0	545·5	542·6	537·8	543·7	546·8	547·4	549·4	555·2	538·8	536·7
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	538·6	540·0	541·8	530·7	528·3	525·7	530·6	536·0	541·2	536·2	540·4	541·0
	15	535·0	532·2	532·8	528·6	525·0	524·0	528·2	535·0	541·0	543·0	537·5	540·0
	16	533·9	543·2	539·0	531·9	525·4	521·8	524·5	537·0	543·5	549·0	545·5	543·7
	17	542·0	541·5	533·0	525·1	517·0	520·0	532·5	540·6	540·4	545·4	541·6	542·9
	18	547·0	547·3	541·0	537·0	535·8	532·6	536·7	541·6	561·0	544·7	548·8	547·8
	19	556·4	561·5	550·0	538·8	529·6	531·8	536·0	543·2	549·8	554·5	549·6	551·0
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	552·2	544·0	552·6	552·9	541·2	536·7	539·4	545·0	545·3	539·8	539·0	541·0
	22	539·0	548·0	546·2	543·0	537·0	533·2	535·8	542·0	550·0	549·0	545·0	545·3
	23	562·0	562·3	561·9	553·0	542·5	541·0	554·5	557·8	560·0	562·6	553·0	554·2
	24	555·7	552·2	549·8	543·8	525·2	535·8	553·8	556·0	566·0	566·0	572·7	554·0
	25	539·8	546·7	549·6	545·5	550·2	540·0	538·8	529·3	543·0	567·1	568·8	566·0
	26	554·4	551·4	551·2	553·2	548·8	542·0	547·3	546·0	549·0	552·9	560·0	544·0
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	555·0	555·3	553·2	546·0	538·6	536·2	540·0	551·0	550·0	552·0	553·0	551·6
	29	554·0	554·5	552·0	548·0	551·0	552·0	552·0	550·0	555·3	556·8	554·0	557·3
	30	563·0	559·9	558·0	548·0	542·8	550·8	552·6	555·7	564·4	567·1	571·5	565·0
	31	570·7	569·7	570·0	559·2	549·2	548·9	555·9	559·8	563·4	571·0	591·0	570·2
Hourly Means		553·30	553·37	550·72	545·07	539·65	539·79	543·72	546·41	551·84	554·35	555·17	552·7

TEMPERATURE OF THE BIFILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
JULY.	1	62·0	62·0	62·3	62·7	63·5	64·2	64·7	65·0	65·0	64·6	64·2	63·7
	2	62·5	63·0	63·5	63·8	64·2	64·2	64·6	65·2	65·7	66·0	66·0	66·0
	3	61·6	61·6	62·0	62·5	63·0	63·7	64·3	64·8	64·8	65·2	65·5	66·4
	4	62·3	62·5	62·5	62·5	62·5	63·2	63·7	64·5	64·9	65·5	66·0	66·2
	5	62·6	62·5	63·2	64·0	65·0	65·7	66·0	67·0	67·2	67·5	69·0	69·8
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	69·0	69·5	71·0	72·4	73·0	74·5	75·0	75·5	75·8	76·6	77·2	77·8
	8	72·2	72·3	73·0	73·2	73·8	74·2	74·7	75·4	76·5	77·5	78·2	78·8
	9	72·2	72·2	72·4	73·0	73·3	73·5	73·3	73·2	73·4	73·8	74·2	75·0
	10	68·2	68·4	68·7	69·5	70·6	71·8	72·4	73·0	74·0	74·5	75·0	75·2
	11	69·0	69·5	70·1	71·5	72·5	73·4	74·5	75·0	75·6	78·0	78·8	79·6
	12	73·6	74·0	74·5	75·2	76·7	78·0	79·0	79·8	80·4	81·6	82·6	84·7
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	81·7	81·2	81·0	80·8	81·4	82·0	82·6	83·2	84·0	84·5	85·0	85·5
	15	79·0	78·2	78·6	79·4	79·8	80·7	81·2	81·4	82·0	82·4	83·2	83·5
	16	76·2	76·2	77·8	78·8	79·2	80·0	81·4	81·9	82·6	83·5	84·0	83·8
	17	79·2	78·7	79·0	79·5	79·9	80·2	80·6	80·8	81·3	81·8	82·3	82·2
	18	75·0	74·5	74·7	74·7	75·2	75·4	76·0	76·4	76·6	77·0	77·4	77·5
	19	71·4	71·4	71·4	71·4	71·4	72·2	72·7	73·2	73·7	74·2	74·6	75·0
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	74·8	75·4	75·8	76·5	77·2	78·0	79·0	79·6	80·7	81·5	81·3	82·5
	22	75·0	75·0	75·4	75·7	76·3	76·7	76·5	77·0	77·0	77·0	77·2	77·0
	23	72·0	72·0	72·0	72·2	72·0	72·2	72·2	72·0	72·2	72·2	72·6	72·4
	24	69·2	68·5	68·0	67·8	68·0	68·0	68·2	68·6	69·0	70·0	70·6	70·8
	25	67·3	67·5	68·2	69·0	70·0	70·4	70·4	71·0	71·5	72·2	72·4	72·5
	26	67·6	68·0	68·8	69·6	70·5	71·3	72·0	72·3	73·0	73·4	74·0	74·6
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	69·5	69·5	69·6	70·2	70·7	71·2	71·5	71·7	72·0	72·2	72·5	72·8
	29	68·0	67·8	67·8	67·5	67·6	67·6	67·6	67·6	68·2	68·6	69·0	68·8
	30	67·5	67·5	67·5	67·2	67·0	66·8	66·8	66·8	67·6	67·4	67·2	67·2
	31	63·0	63·3	63·7	64·4	64·8	65·0	65·0	65·2	65·6	66 0	66·2	66·5
Hourly Means		70·06	70·08	70·46	70·93	71·45	72·00	72·44	72·86	73·34	73·88	74·30	74·66

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·000234.

19h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
560·0	557·7*	560·0	560·8	557·2	555·2	562·0	562·0	565·0	561·0	558·6	555·2	562·82
558·8	556·0	562·0	559·0	561·0	560·0	555·0	550·0	553·8	560·0	559·7	560·0	559·64
559·0	565·9	557·0	559·6	559·8	561·0	562·0	562·6	563 2	563·0	563·7	560 0	559·51
565·8	559·7	561·0	561·1	559·3	557·3	560·0	559·9	562·1	565·0	566·9	570·7	559·83
564·4	558·6	552·6	547·9	544·5	541·6	—	—	—	—	—	—	556·38
—	—	—	—	—	—	555·6	556·0	553·2	550·9	555·0	550·0	
545·6	536·0	540·5	561·5	542·0	542·2	541·2	544·0	543·5	547·0	543·0	545·7	542·73
543·2	531·0	540·8	542·0	544·0	542·0	519·5	536·9	540·0	535·6	542·8	547·6	541·19
550·0	542·5	543·5	537·0	541·8	544·0	547·8	547·8	552·5	550·6	551·2	547·9	543·95
553·7	547·0	547·3	543·6	542·2	544·4	545·6	547·4	547·0	548·1	550·0	552·8	548·35
547·8	550·3	540·6	543·0	544·5	545·5	540·3	541·5	542·9	543·9	545·0	546 0	545·60
534·0	532·6	532·0	533·2	532·7	531·2	—	—	—	—	—	—	539·27
—	—	—	—	—	—	532·0	530·0	535·0	524 0	537·0	535·0	
531·0	532·0	533·0	532·0	533·0	533·0	534·0	534·6	535·3	533·0	533·6	536·9	534·66
536·0	536·5	535·0	536·8	542·4	535·6	535·0	533·4	524·5	530·9	540·4	542 2	534·21
539·4	541·6	537·0	537·8	535·6	536·3	536·0	540 5	538·0	536·5	538·0	541·0	537·34
535·0	539·8	538 6	539·3	540·9	543·1	538·6	540·0	540·8	541·4	543 0	547 0	537·89
536·5	545·4	543·1	542·0	542·0	547·0	548·4	549·6	553·0	553·5	550·0	556·0	546·13
551·0	552·0	554·0	550·0	548·0	546·0	—	—	—	—	—	—	547·03
—	—	—	—	—	—	550·0	551·6	545·7	546·0	546·0	550·6	
540·0	540·0	541·0	539·8	540·0	543·0	542·6	540·6	539·8	538·6	541·7	544·3	54[illegible]
546·7	545·8	546·2	548·0	547·8	548·0	548·6	508 3	560·3	559·0	551·5	566·8	54[illegible]
549·7	552·0	555·0	560·0	543·1	547·2	544·3	550·6	557·0	556·0	558·0	562·0	554 15
554·4	555·2	537·6	530·0	522·8	520·3	523·0	509·3	503·0	519·0	527·0	542·0	540·61
548·5	550·0	545·8	545·5	543·0	543·0	546 0	550·0	547·0	548·4	550 0	[illegible]	548·59
551·0	546·0	547·0	545·0	547·0	546·8	—	—	—	—	—	—	549·41
—	—	—	—	—	—	544·6	546·8	550·7	553·6	553 0	55[illegible]	
552·8	552·0	550·6	550·2	551·8	551 2	551·5	553·0	554·9	555·0	554·0	552·6	550·06
556·8	558·8	557·2	558·0	556·0	552·0	555·0	557·6	557·0	559·8	561 2	564 0	555·43
568·0	566·6	564·2	567·0	559·0	562·0	563·5	568·5	565·0	561·8	564·0	566·7	561·50
568·8	569·0	568·0	567·5	567·0	569·0	569·0	570·0	569·0	569·5	569·2	576·2	567·13
550·66	549·07	547·80	548·06	545·89	546·22	546 45	548·44	548·12	548·94	550·11	552·87	548·70

TEMPERATURE OF THE BIFILAR MAGNET.

19h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
°	°	°	°	°	°	°	°	°	°	°	°	°
63·5	63·2	63·2	63·2	63·0	63·0	63·0	63·0	63·0	62·6	62·6	62·3	63·31
65·6	65·2	65·2	65·0	64·7	64 4	64·1	63·8	63·6	63·6	63·0	62·2	64·38
66·5	66·5	66·0	65·3	65·1	64·6	64·2	63·7	63·4	63·2	62·6	62·2	64·11
66·5	67·0	66·7	66·5	66·0	65·6	65·0	64·5	64·0	63 5	63 1	62·6	64·47
70·0	70·0	69·6	69·2	68·6	68·2	—	—	—	—	—	—	67 81
—	—	—	—	—	—	71·0	71·0	70·5	70·4	70·0	69·5	
78·0	78·0	77·2	77·0	76·5	76·0	75·7	74·7	74·0	73·5	73 3	72·2	74·72
79·0	78·5	78·0	77·0	76·4	75·5	75·0	74·6	74·[illegible]	74·0	73·0	72·2	75·30
75·5	75·5	75·0	74·2	73·6	73·0	72·0	71·4	70·6	70·4	69·6	68·3	72·86
75·2	75·2	74·3	73·8	73·2	72·6	72·2	71 5	71·0	70·6	70·0	69·5	72·10
79·6	79·4	78·8	78·2	77 7	77·0	76·8	76·4	76·0	75·4	74·9	74·4	75·50
85·5	85·5	84 7	83·8	83 5	83·5	—	—	—	—	—	—	80·87
—	—	—	—	—	—	83·2	82·9	82·5	82·1	82·0	81·6	
85·4	85·4	85·0	84·5	83·5	82·5	82·0	81·7	81·5	80·8	80·0	79·5	82·70
84·0	83·5	82·6	82·0	81·3	80·7	80·0	79·4	78·8	78 4	77·6	76·5	80·59
84·5	84·0	83·6	83·6	82·8	82·4	81·6	81·2	81·0	80·7	80·3	79·5	81·27
82·2	82·2	81·4	80·5	78·5	77·5	76·4	77·0	76·6	76·6	76·5	75·5	79·43
77·3	77·7	77·2	76·0	75·4	74·9	74·5	73·7	73·2	72·5	72·0	71 5	75·27
75·0	74·6	74·4	74·0	73·5	73·3	—	—	—	—	—	—	73·77
—	—	—	—	—	—	75·8	75·8	75·6	75·4	75·4	75·0	
82·0	81·5	80·5	80·2	80·0	79·4	79·0	77·6	76·8	76·5	76·2	75·0	78·62
76·7	76·3	75·6	75·4	75·0	74·6	74·2	73·8	73·4	73·0	72·6	72·0	75·35
72·3	73·0	71·5	71·2	70·8	71·0	70·5	70·5	70·2	70·0	69·5	69·2	71·49
71·2	71·4	71·0	70·5	70·4	70·2	70·0	69·5	69·0	68·5	68·2	67·6	69·34
72·5	72·5	72·0	72·0	72 0	71·5	71·0	70·0	70·0	69·7	69·6	68·5	70·57
74·6	74·6	74·0	73·6	73·5	73·5	—	—	—	—	—	—	71·65
—	—	—	—	—	—	70·6	70·5	70·4	70·0	69·6	69·5	
73·0	72·8	72·0	71 6	71·0	70·4	70·2	69·6	69·5	69·0	69·0	68·4	70·83
68·8	68·6	69·0	69·0	69·0	69·0	68·8	68·4	68·4	68·2	68·1	67·5	68·30
67·0	66·7	66·3	66·0	65·6	65·5	65·2	64·7	64·5	64·0	63·6	63·4	66 21
66·7	66·7	66·5	66·5	66·3	66·0	65·7	65·5	65·2	65·0	64·8	64·5	65·34
74·75	74·66	74·12	73·70	73·22	72·81	72·51	72·09	71·74	71·39	71·00	70·37	72·45

* Seven minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·000234.

Mean Gottingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
AUGUST.	1	577·5	562·7	543 1	569·2	561·0	552·0	562·5	567·0	575·2	576·0	577·0	566·0
	2	563·8	559·9	560·0	547·4	552·4	550·0	555·0	558·5	563·0	560·5*	577·0	556·8
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	558·1	560·9	553·0	545·0	545·0	546·5	547·0	553·0	553·7	552·4	555·5	552·1
	5	551·3	548·0	542·0	545·8	552·7	543·5	550·0	553·8	552·6	554·7	550·6	551·0
	6	551·8	550·8	545·5	546·2	543·8	545·4	548·7	554·5	560·3	558·3	556·7	548·0
	7	556·2	548·9	534·6	538·0	540·5	538·6	541·0	546·1	550·0	552·2	546·4	546·3
	8	548·5	543·0	546·0	544·0	537·8	536·1	537·8	537·0	546·0*	550·0	563·0	544·8
	9	555·9	557·9	551 2	538·9	533·5	535·5	537·3	543·6	545·0	545·8	547·0	552·6
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	550·0	543·8	538·0	535·2	529·6	535·0	530·3	540·8	544·6	549·2	553·8	553·2
	12	557·9	558·0	555·4	547·4	542·0	547·2	556·6	560·7	565·6	568·4	565·0	561·0
	13	560·0	558·1	550·2	544·0	542·5	547·3	554·5	558·0	563·0	567·0	570·8	564·0
	14	564·8	562·7	558·0	552·0	554·5	556·8	562·2	566·5	571·5	575·0	571·5	570·0
	15	563·2	564·0	552·0	560·5	539·5	550·0	546·0	546·2	550·8	557·2	566·0	561·2
	16	561·0	556·7	550·0	550·8	551·0	555·0	553·2	556·8	552·4	556·8	559·3	557·0
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	546·0	542·2	551·4	547·8	542·8	539·2	541·8	549·4	557·4	563·0	560·3	554·1
	19	560·0	560·8	554·8	538·4	535·7	545·0	547·7	545·5	555·0	558·0	561·0	560·0
	20	558·0	553·6	549·8	545·8	540·4	540·6	546·2	553·3	562·5	570·5	564·0	558·0
	21	555·9	556·7	552·2	545·3	540·0	535·0	538·0	547·0	555·4	558·4	556·8	554·2
	22	557·0	553·5	544·0	534·7	535·0	535·2	544·4	552·8	555·8	560·0	559·2	556·0
	23	552·6	549·2	550·2	551·2	548·8	548·4	553·2	556·2	561·3	562·4	551·3	549·8
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	556·3	559·9	558·0	548·8	547·3	551·9	557·5	558·8	557·5	558·0	557·0	559·6
	26	565·4	559·5	550·9	541·8	523 8	526·6	545·8	545 3	553·0	555·7	553·0	554·2
	27	556·0	554·4	547·5	540·0	537 0	537·0	541·0	551·0	559·0	566·4	563·0	568·6
	28	567·5	565·0	557·5	549·2	548·3	548·0	550·1	557·8	568·1	556·8	566·2	561·2
	29	573·0	553·2	570·0	570·0	566·9	555·3	553·5	555·7	558·1	576 3	580·0	555·7
	30	558·0	545·2	538·8	533·9	529·5	535·6	543·2	538·7	557·4	566 9	561·2	562·0
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		558·68	554·95	550·16	546·59	543·13	543·72	548·10	552·08	557·47	560·38	561·25	556·71

TEMPERATURE OF THE BIFILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
AUGUST.	1	64·2	64·4	65 0	65·7	66·8	67·3	68·0	68·2	68·7	69·0	68·6	68·6
	2	64·2	65·0	65·5	66·4	66·4	67·0	67·4	67·7	68·0	68·4	69·0	69·0
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	66·8	67·0	67·4	68·2	69·5	70·2	71·0	72·0	73·0	74·4	74·5	74·6
	5	69·5	69·5	70·4	71·0	71·5	72·6	73·5	74·2	74·8	75·5	76·4	76·6
	6	71·8	71·6	71·8	72·8	73·7	74·6	75·5	76·5	77·2	77·5	77·5	77·3
	7	71·3	71·6	72 3	73·0	74·5	75·4	76·4	77·2	77·1	79·0	79·3	79·6
	8	74·4	74·2	74·0	74·0	74·0	74·0	74·6	75·3	75·9	76·0	76·5	76·5
	9	73·6	73·5	74·4	75·2	75·9	76·9	77·5	78·0	78·5	78·2	79·0	79·8
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	74·0	74·0	74·0	73·7	73·5	74·0	74·6	75·6	75·6	75·5	75·6	76·0
	12	70·7	70·7	71·0	71·8	72·5	73·5	73·8	73·7	74·4	74·8	75·4	75·8
	13	68·2	68·2	68 5	68·7	68·7	69·0	69·4	69·4	70·0	70·5	70·9	71·0
	14	68·5	68·8	69·5	70·2	70·4	70·6	71·0	71·4	71·8	72·0	72·5	72·6
	15	67·5	67 8	68·2	69·5	70·4	71·5	72·0	72·3	72·6	73·2	73·5	74·0
	16	69·0	69·0	69·5	70·4	71·7	73·0	73·4	74·0	74·8	75·2	75·5	76·0
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	73·6	73·6	73·6	73 8	74·0	74·5	74·8	75·5	76·0	76·6	77·5	78·0
	19	73·2	73·0	73·0	73·2	73·2	73·5	73·7	74·0	75·0	74·6	75·0	75·2
	20	72·0	72·0	72·0	73·0	73·8	74·7	75·5	76·2	77·2	78·0	78·1	78·4
	21	74·0	74·4	75·4	76·5	76·8	77·4	78·0	78·4	79·0	79·2	79·5	79·8
	22	73·6	74·0	74·5	75·5	76·2	77·0	77·5	77·6	78·2	78·6	79·2	79·4
	23	73·3	73·2	73·8	74·8	75·8	76·8	77·6	78·0	78·6	79·0	79·8	79·8
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	70·2	70·8	72·4	73·5	74·2	74·8	75·0	75·2	75·7	76·0	76·5	77·0
	26	72·8	73·2	74·0	75·1	76·0	76·5	76·6	76·6	77·0	77·0	77·0	77·0
	27	72·5	72·0	71·6	71·4	71·0	71·0	70·8	71·0	71·5	71·3	71·3	71·2
	28	67·6	67·7	68·7	69·3	70·3	70·5	70·8	71·1	71·3	71·4	71·4	71·5
	29	68·0	68·0	68·5	69·2	70·2	71·0	71·8	71·5	72·5	73·5	73·8	74·8
	30	73·2	73·2	73·0	73·0	73·1	73·7	74·2	75·2	75·2	76·0	76·3	76·0
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		70·68	70·78	71·23	71·88	72·47	73·12	73·63	74 07	74·60	75·02	75·37	75·39

* Two minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·000234.

12^h.	13^h.	14^h.	15^h.	16^h.	17^h.	18^h.	19^h.	20^h.	21^h.	22^h.	23^h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
552·0	549·0	544·5	532·7	532·0	520·8	532·0	532·6	536·0	538·0	541·6	565·4	552·99
558·0	556·6	562·0	550·8	544·8	540·1	—	—	—	—	—	—	555·54
—	—	—	—	—	—	558·2	558·8	565·4	549·4	542·6	542·0	
555·9	550·8	546·8	552·2	548·6	542·8	546·0	557·6	555·0	554·1	551·2	554·0	551·57
552·0	550·6	547·6	547·2	543·9	543 8	545·8	546·0	548·0	544·0	548·0	552·0	548·54
552·8	548·0	549·0	547·5	547·0	549·0	546·0	551·7	549·2	543·6	547·6	552·2	549·73
550·0	544·0	540·0	531·0	538·0	539·8	541·5	543·0	540·0	537·2	545·0	548·0	543·18
550·0	550·8	550·0	544 6	543·0	545·8	548·0	549·0	549·0	553·0	546·8	549·0	546·37
540 2	533·3	541·2	543·0	544·0	544·9	—	—	—	—	—	—	545·35
—	—	—	—	—	—	549·8	548·5	551·0	550·6	547·8	550·0	
551·9	552·0	550·5	551·2	552·0	552·6	554·0	554·0	556·0	556·0	556·5	556·5	548·03
558·0	557·0	557·0	558·7	561 3	557·0	557·0	558·8	557·8	563·9	554·8	564·6	557·96
563 2	562·0	561·5	562·6	562·0	562·3	563·2	563·0	563·2	562·5	561·8	564·1	559·62
570·0	570 5	572·0	566·5	567·3	573·3	560·4	564·6	561·6	559·5	559·1	560·9	564·63
558·2	563·2	555·8	555·0	556·2	558·0	557·6	558·8	559·0	558·8	558·7	561·0	556·54
558·0	555·1	554·2	555·8	554·0	554·0	—	—	—	—	—	—	553·19
—	—	—	—	—	—	546·0	541·7	546·0	547·5	551·0	553·2	
550·0	545·8	547·8	547·0	547·0	548·0	550·0	552·1	550·6	552·2	553·2	557 8	549·87
558·0	556·5	557·5	557·0	552·2	549·5	550·0	548·	555·2	556·2	556·8	555·3	553·11
555·3	553·3	555·2	557·8	558·2	558·0	558·2	554	555·1	555·2	553 7	554·2	554·66
552·6	553·2	558·6	558·0	557·0	558·7	555·0	556·7	557·0	558·0	559·2	561·0	553·33
555·7	552·1	544·0	545·0	553·0	549·0	550·2	541·0	546·5	546·5	549·0	553·0	548·86
551·8	547·8	539·0	547·0	549·0	549·0	—	—	—	—	—	—	551·34
—	—	—	—	—	—	549·0	553·2	553·2	553·0	554·4	555·2	
562·0	553·5	555·0	556·0	559·2	561·0	563·2	562·0	562·4	565·6	568·8	570·2	558·73
553 2	552·0	556·0	553·2	551·8	552·4	551·2	552·0	550·0	552·0	552·0	555·7	550·27
563·8	558·4	560·8	561·7	563·0	562·8	563·2	563·4	565·0	564·5	567·0	572·0	557·77
560·6	558·0	557·3	563·8	565·0	567·1	569·8	568·5	560·0	536·0	560·5	571·0	559·72
533·5	539·0	529·5	538·5	537·5	550·0	535·2	539·0	523·2	509·6	546·0	559·0	550·32
556·0	548·2	552·0	553·0	557 2	556·0	—	—	—	—	—	—	551·65
—	—	—	—	—	—	552·8	561·6	557·8	560·0	564·4	556·1	
554·72	552·33	551·72	551·42	551·70	551·99	552·05	553·10	552·81	551·03	553·75	557·44	552·80

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
68·4	68·4	68·4	68·3	68·4	68·0	67·4	66·8	65·6	65·8	65·0	64·3	67·05
69·2	69·2	69·0	68·6	68·2	68·0	—	—	—	—	—	—	67·61
—	—	—	—	—	—	68·2	68 2	68·0	67·6	67·5	67·0	
74·4	74·6	74·6	74·0	73·2	72·6	72·3	71·8	71·0	70·9	70·3	69·8	71·59
76·7	76·5	76·2	75·8	75·2	74·8	74·2	73·5	73 0	72·4	72·0	71·8	73·65
77·5	77·5	77·1	76·7	76·4	75·5	75·0	74·3	74·0	73·4	73·2	72·4	75·04
79·5	79·0	78·2	78·0	77·5	77·2	77·0	76·4	75·6	75·4	75·0	74·5	76·25
76·5	76·5	76·4	76·2	75·8	75·5	75·4	74·8	74·7	74·5	74·3	74·0	75·17
80·0	79·8	79·4	79·0	78·6	78·4	—	—	—	—	—	—	76·83
—	—	—	—	—	—	74·9	74·9	74·9	74·8	74·6	74·2	
76·4	75·2	74·2	74·0	73·8	73·5	73·0	72 5	72·0	72·0	71·5	71·0	73·97
75·8	75·1	74·5	74·0	73·5	73·0	72·5	71·8	71·8	71·6	71·0	69·6	73·01
71·0	71·0	71·0	70·7	70·5	70·4	70·3	70·0	69·6	69·5	69·0	68·6	69·75
72·6	72·4	72·2	71·6	70·5	69·5	69·0	68·7	68·7	68·5	68·2	68·0	70·38
74·0	73·6	73·2	72·7	72·4	71·8	71·3	70·8	70·5	70·0	69·8	69·0	71·32
76·4	76·0	74·5	75·0	74·8	74·4	—	—	—	—	—	—	73·65
—	—	—	—	—	—	74·5	74 5	74·3	74 0	74·0	73·8	
78·0	78·0	77·5	77·2	76·9	76·5	76·0	75·8	75·4	75·4	75·0	74·2	75·72
75·2	75·2	74·5	74·5	74·3	74·2	74·0	73·5	73·0	72·6	72·5	72·2	73·85
78·4	77·8	77·7	77·4	76·8	76·4	76·2	75·5	75·2	75·0	74·6	74·0	75·66
80·0	80·0	79·2	78·5	78·0	77·6	76 9	76·4	76·1	75·5	75·0	74·5	77·34
79·4	79·0	78·2	77·7	77·4	76·9	76·4	75·5	75·0	74·5	74·0	73·2	76·60
79·8	79·2	79·0	78·5	78·0	77·5	—	—	—	—	—	—	76·64
—	—	—	—	—	—	75·4	75·2	74·8	74 3	73·8	73·4	
77·0	76·7	76·7	76·5	76·5	76·3	76·0	75·4	75·0	74·2	74·0	73·2	74·95
77·0	76·7	76·5	76·0	75·4	75·0	74·6	74·2	73·8	73·4	73·2	72·6	75·30
71·2	71·2	71·2	71·0	71·0	70·6	70·5	69·6	69·5	69·0	68·5	68·0	70·75
71·5	71·2	70·8	70·4	69·8	69·4	69·3	69·0	68·8	68·5	68·5	68·3	69·88
74·8	74·9	75·0	74·6	74·6	74 6	74·0	73·8	73·8	73·8	73·6	73·3	72·64
76·0	75·0	74·2	73·6	73·5	73·2	—	—	—	—	—	—	73·03
—	—	—	—	—	—	70·4	70·0	69·4	69·0	68·4	68·0	
75·64	75·37	74·98	74·63	74·27	73·88	73·26	72·80	72·44	72·15	71·79	71·27	73·37

[b] Seven minutes late.

HORIZONTAL-FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·000234.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.	12^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
SEPTEMBER.	1	559·6	560·2	554·9	544·1	532·0	536·8	551·8	564·0	564·0	563·0	570·0	559·0	562·0
	2	560·0	559·0	547·4	530·5	537·0	533·2	559·3	555·2	567·2	557·2	567·4	563·6	537 5
	3	555·2	556·6	543·6	523·2	529·5	544·5	556·8	565·8	562·5	558·4	558·5	561·7	559·3
	4	556·2	557·0	550 2	534·3	527·6	539·0	551·8	556·8	559·0	562·3	567·9	559·8	558·0
	5	564·8	558·5	549·0	541·2	538 4	541·6	548·1	560·5	563·8	564·2	568·2	569·0	561·0
	6	567·2	563·8	549·8	542·8	550·8	551·3	553·0	558·5	571·0	575·0	577·0	577·4	575·2
	7	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	566·9	562·5	565·0	561·0	549·0	555·0	559·0	566·2	573·2	577·4	579·0	577·6	576 3
	9	571·5	570·0	570·0	564·8	562·0	561·1	568·2	567·8	573·1	576·4	580·9	576·9	578·7
	10	578 6	576·0	570·2	562·6	565·3	569·0	564·5	567·7	573·2	575·0	579·0	577·8	578·0
	11	580·3	581·7	575·8	563·0	559·6	564·2	568·0	571·0	577·5	576·4	583·7	573·4	575·0
	12	584·5	583·0	573·0	564·0	562·2	558·2	565·4	571·5	576·0	581·1	576·0	582·2	576·8
	13	583·9	575·6	576·6	570·0	567·0	566·0	565·5	573 4	587·4	566·6	580·5	582·9	582·9
	14	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	576·0	573·0	564·0	560·4	557·2	562·0	571·4	575·2	578·3	577·2	578·8	579·6	578·4
	16	585·0	584·0	576·0	566·8	569·0	575·4	578·4	581·2	586·0	587·4	578·0	576·0	582·0
	17	586·2	575·6	578·6	573·6	571·9	573·2	577·4	582·8	586·0	581·4	605·6	581·4	558·5
	18	576·0	572·1	562·1	561·0	556·0	561·1	561·4	567·6	572·0	574·0	572·0	570·4	572·6
	19	580·4	573·0	565·9	553·0	554·0	560·0	566·0	570·2	571·4	570 0	566·0	563·9	572·0
	20	576·0	573·5	569·0	566·0	558·6	562·0	566·2	572·4	575·8	578·4	573·5	573·6	576·0
	21	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	588·0	590·3	587·6	583·0	579·2	578·2	580·0	584·0	589·1	593·8	592·3	593·0	592·2
	23	593·0	590·0	587·8	584·5	582·9	587·0*	590·3	593·0	592·5	594·0	593·8	593·0	593·0
	24	592·0	582·1	581·3	583·0	580·1	585·0	587·7	589·0	599·5	603·0	599·2	592·8	590·2
	25	586·0	556·5	545·5	589·7	575·7	558·3	544·3	577·1	585·1	580·5	572·0	561·4	569·5
	26	588·0	586·5	583·0	574·5	570·5	57?·5	579·2	583·8	583·3	579·7	580·2	582·1	580·1
	27	583·0	587·2	585·0	582·2	569·4	552·8	559·0	558·2	569·0	557·9	569·2	570·0	568·8
	28	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	583·4	582·0	576·4	569·5	568·2	565·7	569·5	573·3	575·6	569·6	570·0	564·0	558·7
	30	576·0	570·2	567·0	561·3	558·0	559·5	563·2	568·0	571·0	576·0	576·5	573·0	575·0
Hourly Means		576·83	573·07	567·49	561·92	558·89	560·72	565·59	571·32	576·25	575·20	577·51	574·[illegible]	572·99

TEMPERATURE OF THE BIFILAR MAGNET.

		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.	12^{h}.
		°	°	°	°	°	°	°	°	°	°	°	°	°
SEPTEMBER.	1	67·6	67·4	68·0	68·0	68·5	68·7	69·2	70·0	70·4	70·4	70·4	70·0	69·8
	2	68·5	68·8	69·5	70·5	70·5	70·6	71·2	71·5	72·0	72·2	72·4	72·4	72·2
	3	68·5	68·8	69·6	70·4	71·2	71·8	72·2	72·8	73·6	73·6	73·8	74·1	74·9
	4	70·5	70·5	70·8	69 8	70·0	70·6	71·4	72·3	73·0	73·6	73·8	73·9	74·0
	5	67·6	67·3	67·6	68·0	68·6	69 3	69·5	70·0	70·0	70·0	70·2	70·0	70·0
	6	65·0	65·4	65·3	65·1	65·4	65·5	65·7	66·0	66·5	66·7	67·0	67·0	67·0
	7	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	62·6	62·7	63·5	64·5	64·9	65·0	65·0	64·8	64·6	65·0	65·0	65·0	65·0
	9	61·4	61·0	60·8	61·6	62·7	63·4	64·0	65·0	65·6	66·0	66·2	66·3	66·3
	10	61·8	62·0	62·5	63·4	64·4	64·8	64·8	64·8	64·8	65·2	65·5	65·4	65 5
	11	60·2	60·6	61·0	62·3	62·7	63·0	63·2	63·4	63·5	63·6	63·6	63·5	63·6
	12	58·0	58·5	59 5	60·5	61·1	61·5	61·9	62·5	62·5	62·6	63·0	63·1	63·2
	13	58·8	58 8	58·8	59·0	59·0	59·0	59·6	59·7	59·7	59·8	60·0	60·2	60·4
	14	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	61·0	61·5	62·0	62·5	63·5	63·8	64·0	64·6	65·0	65·2	65 6	66·0	65·6
	16	59·5	59·5	60·3	61·2	61·6	62·2	62·0	61·8	62·0	62·4	63·0	63·0	63·0
	17	58·0	57·4	57·2	57·5	58·0	58·7	59 5	60·0	61·0	62·0	62·5	63·0	63·0
	18	62·4	62·4	62·5	62·6	63·5	64·8	66·2	67·5	68·0	68·8	69·2	69·2	69·4
	19	62·0	62·0	62·5	63·7	64·0	64·5	64·5	64·5	64·8	65·0	65·0	65·3	65·3
	20	62·5	62·0	62·0	62·0	62·0	61·8	62·0	62·3	62·4	62·4	62 4	62·1	62·1
	21	—	—	—	—	—	—	—	—	—	—	—	—	—
	22	53·5	53·5	54·0	54·6	55·2	55·8	56·2	56·5	56·8	57·2	57·7	57·9	57·5
	23	56·5	56·2	56·0	55·9	55·8	55·9	56·0	56·0	56·0	56·0	56·1	56·0	56·5
	24	56·0	56·0	56·5	56·5	56·6	56·9	57·2	57·5	57·5	57·6	58·0	58·0	58·0
	25	56·2	56·4	56·8	56·8	57·0	57·8	58 5	58·8	59·3	60·0	60·2	60·1	60·0
	26	57·4	57·0	56·8	56·8	56·8	56·8	57·0	57·4	57·8	58·7	60·0	60·3	60·5
	27	57·4	57·4	57·6	57·6	57·8	58·6	59·4	60·4	61·0	61·7	62·2	62·0	61·5
	28	—	—	—	—	—	—	—	—	—	—	—	—	—
	29	61·2	61·4	62·4	63·4	64·3	65·3	66·0	66·5	67·0	67·5	67·8	67·9	67·4
	30	65·5	65 3	65·3	65·0	64·9	64·8	65·0	65·2	65·8	66·0	66·0	66·0	65·6
Hourly Means		61·52	61·53	61·88	62·28	62·69	63·11	63·51	63·92	64·25	64·58	64·87	64·9[illegible]	64·90

* Two minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·000234.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
562·0	556·0	559·7	559·2	558·5	536·8	532·4	538·3	—	—	—	—	553·13
537 5	546·6	551·8	551·4	553·0	557·0	556·4	567·5	562·2	561·0	562·0	554·0	554·07
559·3	555·7	554·9	556·9	555·7	558·3	552·0	550·2	554·0	556·0	542 5	545·2	552·37
558·0	547·0	558·3	555·0*	549·0	561·0	560 0	563·2	560·0	561·0	564·8	563·8	555·13
561·0	561·0	564 0	564·2	566·0	564·2	566·4	568·6	570·0	565·1	564·1	565·0	560·29
575·2	570·2	571·0	568·8	570·4	569·8	—	—	—	—	—	—	564·59
—	—	—	—	—	—	557·3	567·1	562·0	561·9	568·4	570·4	
576 3	576·6	567·0	573·4	573·0	578·1	579·6	579·0	578·5	578·5	573·5	576·0	570·90
578·7	566·1	568·2	575·0	576·8	576·2	573·5	572·0	570·0	577·5	575·5	578·0	572 07
578·0	579 2	575 5	577·5	577·0	580·0	580·7	572·6	578·2	576·0	576·2	578·2	574·50
575·0	576·5	578·0	576·0	561·5	564·0	560·2	574·9	575·1	577·6	582·9	581·8	573·26
576·8	575·4	570·3	578·1	578·3	576·8	574·4	573·9	565·4	590·0	584·0	586·0	575·27
582·9	581·2	581·0	579·6	589·0	578·9	—	—	—	—	—	—	576·97
—	—	—	—	—	—	576·0	576·0	577·0	577·2	578·0	575·0	
578·4	579·6	578·6	576·8	577·0	581·0	580·0	578·0	576·0	582·0	580·0	584·5	575·17
582·0	579·0	576·8	577·0	575·5	586·0	578·0	581·4	580·0	583·3	582·0	587·4	579·69
588·5	559·5	548·0	560·0	574·2	574·0	571·2	573·4	556·0	550·4	577·4	575·4	572·99
572·6	568·0	574·2	565·6	553·2	576·6	554·8	550·1	570·4	564·3	572·0	573·9	566·72
572·0	573·3	575·0	576·4	574·0	573·9	570·9	561·7	558·5	570·0	575·0	577·0	568·89
576·0	573·0	576·0	572·0	573·0	567·8	—	—	—	—	—	—	575·47
—	—	—	—	—	—	585·0	588·5	585·0	589·0	591·0	590·0	
592·2	592·0	592·0	591·1	591·0	590·9	592·5	592·2	590·0	592·8	593·2	593 6	589·25
603·0	604·0	607·0	598·0	598·2	593·0	578·8	586·4	590·2	592·2	591·8	594·0	592·43
590·2	581·2	571·0	551·4	549·7	540·2	537·7	529·6	567·9	507·4	574·4	580·0	573·14
569·5	569·4	578·0	583·1	587·2	581·2	578·0	565·0	584·5	583·1	582·2	580·0	573·89
580·1	577·6	573·7	578·0	574·4	580·4	581·0	579·0	582·0	577 5	580·5	586·0	579 99
568·8	568·3	565·2	571·1	584·0	556·0	—	—	—	—	—	—	571·21
—	—	—	—	—	—	574·0*	571·5	577·0	574·8	578·2	577·3	
558·7	561·0	554·0	557·0	561·2	568·5	567·7	561·2	572·0	570·0	569·6	576·8	568·51
575·0	577·2	572·6	571·4	573·2	571·0	573·4	573·0	573·0	577·2	575·2	579·2	571 38
572·99	571·33	570·84	570·92	571·31	570·83	568·92	569·01	572·64	571·83	575·78	577·14	570·93

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
69·8	69·5	69·7	69·4	69·3	69·2	69·2	69 2	—	—	—	—	69·19
72·2	71·8	71·6	71·4	71·0	70·9	70·5	70·0	69·7	69·5	69·0	68·6	70·68
74 9	74·2	74·0	73·5	73·0	72·7	72·5	72 0	71·5	71·2	70·7	70·7	72·15
74·0	73·0	72·5	72·2	71·9	71·4	71·4	70·4	69·5	68·7	68·4	68·0	71·32
70·0	69·5	69·1	69·0	68·5	68·0	67·8	67·3	66·8	66·4	66·0	65·8	68·43
67·0	66·8	66·8	67·0	67·0	67·0	—	—	—	—	—	—	65·77
—	—	—	—	—	—	65·2	65·0	64·6	64·2	63·8	63·5	
65·0	64·8	64·4	64·0	63·6	63·2	62·8	62·5	62·3	62·2	62·2	62·0	63·82
66 3	66·0	65·8	65·8	65·0	64·8	64·5	63·9	63·5	63·0	62·5	62·0	64·05
65 5	65·0	64·6	64·1	63·9	63·0	62·8	62·0	62·0	61·6	61·2	60·6	63·58
63·6	63·5	63·0	62·7	62·2	62·0	61·8	61·0	60·0	59·5	59·2	58·5	61·98
63·2	62·4	62·0	61·4	61·0	60·4	60·0	60·0	59·3	59·0	59·0	59·0	60·90
60·4	61·0	61·4	62·0	61·4	61·7	—	—	—	—	—	—	60·57
—	—	—	—	—	—	62·6	62·6	62·4	62·3	62·0	61·5	
65·6	65·3	64·8	64·0	63·8	63·2	63·0	62·6	62·0	62·0	61·5	60·0	63·44
63·0	63·0	62·5	62·4	62·0	61·0	60·5	60·0	59·5	59·2	59·0	58·4	61·21
63·0	63·1	63·0	62·8	62·8	62·6	62·6	62·6	62·4	62·4	62·5	62·4	61·13
69·4	68·0	67·0	66·8	65·6	65·2	64·6	64·0	63·5	63·2	63·0	62·8	65·42
65·5	65·0	64·6	64·5	64·0	64·0	63 6	63·2	63·2	63·2	63·0	62·6	63·95
62·1	62·0	61·9	61·4	61·0	60·9	—	—	—	—	—	—	60·18
—	—	—	—	—	—	56·0	55·5	55·0	54 5	54·2	53·7	
57·5	57·2	57·0	57·0	56·8	56·8	56·8	56·8	56·6	56·6	56·6	56·4	56·29
56·5	56·5	56·5	56·5	56·5	56·5	56·5	56·2	56 2	56·2	56·3	56·2	56·22
58·0	58·0	58·2	58·2	58·4	58·3	58·1	58·0	57·6	57·4	57·0	56·6	57·42
60·0	59·8	59·8	59·4	59·4	59·0	58·8	58·4	58·4	58·0	57·8	57·5	58·51
60·5	60·5	60·3	60·0	59·8	59·6	59·5	59·0	58·9	58·4	57·9	57·9	58·55
61·5	61·0	60·8	60·5	60·2	60·0	—	—	—	—	—	—	60·08
—	—	—	—	—	—	60·6	60·7	60·7	60·5	61·0	61·2	
67·4	67·0	66·9	66·6	66·2	66·0	66·0	66·0	65·8	65·5	66·0	65·5	65·63
63·6	65·3	65·3	64·6	64·5	64·4	64·4	64·0	63·8	63·6	63·4	63·0	64·87
64·90	64·58	64·37	64·12	63·80	63·53	63·16	62·80	62·21	61·93	61·73	61·38	63·24

† Five minutes late. * Six minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·000234.

Mean Gottingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.	12^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
OCTOBER.	1	569·9	576·0	573·8	567·0	558·0	561·1	564·8	563·4	567·2	577·4	575·4	577[a]	574·6
	2	585·5	583·0	581·0	576·2	569·0	563·2	564·8	573·2	578·1	582·8	583·0	582[a]	583·7
	3	585·7	580·2	582·6	577·1	570·6	556·9	563·2	567·7	571·9	581·8	585·7	584[a]	571·0
	4	582·6	580·4	581·0	577·0	572·7	570·7	572·6	575·7	578·8	583·5	584·0	584[a]	583·0
	5	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	599·5	597·0	593·1	587·2	586·0	587·0	584·0	586·0	586·8	587·0	593·0	592[a]	588·0
	7	567·8	597·0	596·0	594·0	595·0	592·0	594·0	596·0	596·0	596·0	587·8	589[a]	588·2
	8	591·0	588·0	586·0	592·9	582 4	580·0	584·2	583·3	579·2	582·0	586·4	582[a]	583 4
	9	588·0	584·4	587·0	588·2	584·0	578·4[b]	574·9	579·7	586·5	597·1	580·8	580[a]	563·0
	10	570·8	565·4	573·0	574·9	569·2	559·1	562·5	571·0	573·5	571·0	567·0	574[a]	571·8
	11	576·0	580·9	579·0	577·0	568·0	564·9	570·8	573·0	573·0[c]	571·5	572·0	574[a]	578·0
	12	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	589·0	592·1	590·2	589·0	588·9	591·0	592·0	593·2	593·7	590·4	589·6	589[a]	591·8
	14	591·0	588 0	585·0	583·2	580·0	579·4	583·0	586·8	591·6	591·0	592·6	589[a]	587·0
	15	597·0	593·2	587·2	583·4	578·0[b]	586·8	591·0	594·5	603·4	597·0	597·8	597[a]	596·0
	16	601·0	598·4	593·5	588·0	589·3	592·0	596·0	598·2	598·0	602·0	601·0	599[a]	599·0
	17	601·1	598·4	596·0	590·1	595·0	597·8	598·0	598·5	599·5	600·0	597·0	592[a]	592·0
	18	597·8	598·0	597·6	594·0	590·0	589·0	595·0	597·0	596·2	598·4	596·0	590[a]	594·4
	19	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	613·0	603·9	584·5	579·2	603·2	594·2	592·6	587·0	588·8	592·6	593·8	591[a]	591·7
	21	596·2	602·7	604·0	597·0	596·2	593·7	595·1	595·5	597·3	613·1	583·5	593[a]	594·4
	22	606·2	605·6	603·3	600·8	600·9	596·8	598·1	605·1	607·3	608 8	605·0	603[a]	599·0
	23	602·5	601·9	600·0	597·0	593·0	590·2	590·4	590·0	592·1	594·8	596·2	595[a]	595·0
	24	599·0	597·8	601·4	597·0	594·0[d]	592·2	591·0	590·6	589·2	586·0	582·3	583[a]	583·4
	25	594·0	591·0	591·0	589·2	587·0	588·2	592·0	588·6	586·2	588·4	584·8	585[a]	583·4
	26	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	598·0	594·4	593·2	590·2	590·4	588·4	592·8	588·5	586·0	588·7	588·0	587[a]	589·8
	28	595·4	592·2	590·4	589·6	589·5	586·0	587·9	589·2	588·0	588·2	590·4	588[a]	582 0
	29	589·8	590·2	586·9	581·5	578·0	580·9	582·0	579·7	586·0	588·0	590·5	591[a]	591·2
	30	590·0	586·2	579·8	582·0	578·0	574·0	574·2	577·0	582·2	587·0	590·0	589[a]	589·1
	31	594·0	587·5	583·5	582·2	577·0	577·8	578·6	583·9	589·2	590·0	597·8	593[a]	577·6
Hourly Means		592·66	590·88	588·88	585·74	583·83	581·91	583·91	585·64	587·62	590·17	588·57	587[a]	583·65

TEMPERATURE OF THE BIFILAR MAGNET.

Mean Gottingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.	12^{h}.
		°	°	°	°	°	°	°	°	°	°	°	°	°
OCTOBER.	1	62·7	62·4	62·2	62·9	63·3	63·8	64·0	64·0	64 0	64·0	64·0	64[a]	63·6
	2	59·0	58·7	59·2	60·2	60·8	61·0	61·4	61·6	62·2	62·4	62·4	62[a]	62·2
	3	62·0	61·8	61·6	61·2	61·2	61·4	61·8	62·0	62·2	62·6	63·0	62[a]	62·6
	4	61·2	60·6	60·6	61·0	61·5	61·8	62·2	62·2	62·6	63·0	63·3	63[a]	63·2
	5	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	52·0	52·0	52·7	53·2	54·4	55·4	55·8	56·3	56·5	56·9	57·0	56[a]	56·5
	7	52·5	52·4	52·6	53·7	54·7	55·5	56·2	57·2	57·5	58·0	58·4	58[a]	58·0
	8	57·5	57·5	57·5	57·9	58·5	59·2	60·4	60·8	61·0	61·2	61·2	61[a]	61·4
	9	62·0	62·0	62·0	62·2	62·8	63·8	64·0	65·0	65·2	65·6	66·2	66[a]	66·4
	10	62·4	62·2	62·4	63·0	64·0	64·5	64·7	65·0	65·0	65·0	65·0	64[a]	64·5
	11	64·2	64·0	63·8	63·5	63·5	63·5	63·5	63·7	64·0	64·0	64·0	64[a]	63·5
	12	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	53·8	53·8	54·4	55·5	56·0	56·6	56·9	56·9	56·9	57·3	57·5	57[a]	57·2
	14	57·4	57·4	57·0	57·0	57·0	56·8	57·0	57·3	57·4	58·0	58·4	58[a]	57·3
	15	53·0	52·8	52·8	53·6	54·0	53·8	53·7	54·0	54·0	54·0	54·0	54[a]	53·5
	16	49·6	49·4	50·0	50·6	51·5	51·8	52·4	52·5	53·4	54·0	54·5	54[a]	54·0
	17	50·0	49·7	50·0	51·0	52·7	53·5	54·2	55·0	55·2	56·5	57·0	57[a]	57·0
	18	53·6	53·4	53·5	54·0	55·0	56·7	57·4	57·7	58·2	58·8	59·2	59[a]	58·5
	19	—	—	—	—	—	—	—	—	—	—	—	—	—
	20	54·5	54·0	53·8	53·8	53·6	53·6	53·8	54·2	54·2	54·2	53·8	53[a]	52·7
	21	48·5	48·0	47·8	47·5	47·5	47·8	48·4	49·0	48·8	48·7	48·7	48[a]	49·0
	22	45·6	45·4	45·6	46·3	47·3	48·2	47·5	48·8	49·0	49·4	50·5	51[a]	52·0
	23	50·2	49 6	50·0	50·5	51·4	51·8	52·4	53·0	53·4	54·1	54·7	54[a]	55·2
	24	57·0	56·5	56·0	56·7	57·3	58·0	58·4	58·4	59·0	59·0	59·8	59[a]	59·5
	25	55·1	55·0	55·0	55·6	56·5	57·5	58·4	58·8	59·0	59·2	59·0	58[a]	59·0
	26	—	—	—	—	—	—	—	—	—	—	—	—	—
	27	55·0	54·6	54·3	54·7	55·6	56·4	57·5	58·7	59·5	60·8	61·0	61[a]	61·0
	28	57·4	57·4	57·4	57·4	58·7	59·7	60·3	61·0	61·5	62·2	63·0	63[a]	62·5
	29	57·8	57·2	57·5	58·0	58·8	59·4	59·6	60·4	61·0	61·5	62·0	62[a]	62·0
	30	62·5	62·2	62·5	62·5	62·5	62·9	63·3	63·3	63·2	63·2	63·0	62[a]	61·8
	31	60·4	60·0	60·0	59·6	59·8	60·3	60·4	60 5	60·6	61·0	60·6	61[a]	61·2
Hourly Means		56·18	55·93	56·01	56·41	57·03	57·58	57·99	58·42	58·69	59·06	59·30	59[a]	59·05

[a] Ten minutes late. [b] Five minutes late. [c] Two minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·000234.

8^{h}.	9^{h}.	10^{h}.	11^{h}.	12^{h}.	13^{h}.	14^{h}.	15^{h}.	16^{h}.	17^{h}.	18^{h}.	19	20^{h}.	21^{h}.	22^{h}.	23^{h}.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
67·2	577·4	575·4	571·2	574·6	569·4	560·0	567·8	563·7	564·6	568·9	577·7	580·0	584·2	581·0	584·0	571·13
78·1	582·8	583·0	582·9	583·7	582·3	581·4	583·4	582·7	582·0	583·0	582·0	583·0	582·0	584·0	585·4	579·88
71·9	581·8	585·7	584·8	571·0	577·2	569·1	577·0	578·0	579·0	577·5	583·2	583·0	580·8	584·5	584·6	577·18
78·8	583·5	584·0	584·1	583·0	582·0	582·0	582·6	581·2	581·7	—	—	—	—	—	—	583·60
—	—	—	—	—	—	—	—	—	—	592·5	588·0	597·5	596·2	599·8	596·3	
86·8	587·0	593·0	592·4	588·0	586·5	587·2	586·6	587·8	583·1	588·8	591·0	593·7	594·0	596·9	598·0	590·02
96·0	596·0	587·8	589·2	588·2	578·1	585·8	585·0*	586·0	587·0	587·0	587·0	587·0	588·1	589 1	590·0	590·39
79·2	582·0	586·4	582·0	583 4	581·9	586·8	584 5	584·7	582·8	582·0	584·0	587·0	586·0	587·0	587·4	584·45
86·5	597·1	580·8	580·0	563·0	560·0	557·2	549 0	562·0	562·0	564·0	576·7	568·2	567·6	570·0	572·5	574·22
73·5	571·0	567·0	574·9	571·8	572·0	575·0	574·2	576·4	572·0	576·5	571·2	573·2	567·0	571·0	579·1	571·30
73·0*	571·5	572·0	574·2	578·0	576·2	572·2	570·8	572·2	570·8	—	—	—	—	—	—	577·10
—	—	—	—	—	—	—	—	—	—	584·0	588·1	587·0	589·3	590·1	591·4	
93·7	590·4	589·6	589·	591·8	593·0	592·2	591·1	591·8	590·0	588·0	586·9	588·7	590·0	592·0	592·0	590·65
91·6	591·0	592·6	589·	587·0	588·6	591·5	594·0	593·2	593·8	594·0	594·0*	594·1	595·0	596·7	598·2	590·03
03·4	597·0	597·8	597·	596·0	597·0	597·0	594·0	594·6	595·2	595·0	598·0	597·0	597·7	601·4	603·3	594·69
98·0	602·0	601·0	599·	599·0	597·7	598·0	594·4	596·0	596·2*	591·4	576·8	584·2	589·2	597·9	599·2	594·88
99·5	600·0	597·0	592·	592·0	588·4	590·0	590·7	586·1	589·4	589·8	591·0	591·0	591·2	593·6	597·0	593·91
96·2	598·4	596·0	590·	594·4	593·1	583·0	583·0	584·1	586·0	—	—	—	—	—	—	593·58
—	—	—	—	—	—	—	—	—	—	592·9	593·3	593·0	594·8	606·6	602·5	
88·8	592·6	593·8	591·	591·7	587·4	583·6	585·5	575·5	572·5	564·2	551 5	576·7	591·0	594·0	594·4	587·18
97·3	613·1	583·5	593·	594·4	598·4	581·6	582·5	583·5	589·5	596·0	599·2	598·4	599·2	598·7	604 2	595·13
07·3	608 8	605·0	603·	599·0	600·0	599·0	595·3	601·3	596·8	597·0	599·6	601·4	601·8	603·7	601·4	601·55
92·1	594·8	596·2	596·	596·0	598·2	596·4	595·4	594·0	595·4	595·7	595·5	597·5	593·1	593·5	596·6	595·45
89·2	586·0	582·3	593·	583·4	585·4	580·8	573·0	570·9	569·0	564·2	572·0	580·7	587·4	587·5	590·0	585·36
86·2	588·4	584·8	585·	583·4	582·1	583·0	581·8	580·5	580·0	—	—	—	—	—	—	588·64
—	—	—	—	—	—	—	—	—	—	593·0	594·0	594·5	595·5	596·0	598·2	
86·0	588·7	588·0	587·	589·8	590·0	590·0	590·0	589·5	588 0	586·0	588·2	587·4	588·0	592·2	594·0	589·98
88·0	588·2	590·4	588·	582 0	580·0	582·0	584·2	582·8	581·0	586·0	589·2	589·8	591·4	592·0	591·4	587·90
86·0	588·0	590·5	591·	591·2	590·4	586·4	586·6	586·6	595·8	585·8	588·1	589·1	589·6	591·7	591·4	586·89
82·2	587·0	590·0	589·	589·1	590·2	590 8	589·3	584·0	584·5	588·8	588·8*	588·7	591·0	591·0	591·5	585·72
89·2	590·0	597·8	593·	577·6	574 0	575·6	576·0	584·4	585·1	586·0	591 0	591·0	590·0	584·0	584·2	584·31
87·62	590·17	588·57	587·	583·65	585·24	583·61	583·25	583·46	583·12	585·11	586·15	588·25	589·30	591·33	592·53	586·86

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
64 0	64·0	64·0	64·	63·6	63·2	63·0	62·4	61·8	61·4	60·8	60·3	60·0	59·5	59·3	59·0	62·33
62·2	62·4	62·4	62·	62·2	62·2	62·2	62·2	62·2	62·2	62·2	62·0	62·0	62·0	62·0	62·0	61·52
62·2	62·6	63·0	62·	62·6	62·5	62·5	62·5	62·4	62·0	61·8	61·8	61·8	61·6	61·6	61·2	62·00
62·6	63·0	63·3	63·	63·2	63·2	63·0	62·8	62·8	62·8	—	—	—	—	—	—	60·08
—	—	—	—	—	—	—	—	—	—	53·8	53·6	53·6	53·4	53·2	53·0	
56·5	56·9	57·0	56·	56·5	56·8	57·0	56·8	55·4	55·0	54 8	54·5	53·6	53·5	53·2	53·0	54·96
57·5	58·0	58·4	58·	58·0	58·0	58·2	58·2	58·2	58·4	58·4	58·5	58·3	58·0	57·8	57·5	56·86
61·0	61·2	61·2	61·	61·4	61·5	61·6	61·0	61·0	61·1	61·3	61·2	61·7	62·0	62·0	62·0	60·49
65·2	65·6	66·2	66·	66·4	66 0	65·6	65·2	64·6	64·1	64·1	63·0	62·8	62·8	62·4	62·4	64·03
65·0	65·0	65·0	64·	64·5	64·5	64·5	64·3	64·2	64·2	64·2	64·2	64·4	64·5	64·5	64·5	64·18
64·0	64·0	64·0	64·	63·5	63·5	63 5	63·4	63·2	62·8	—	—	—	—	—	—	61·27
—	—	—	—	—	—	—	—	—	—	54·5	54·5	54·2	54·0	54·0	53·8	
56·9	57·3	57·5	57·	57·2	56·8	56·6	56·6	56·6	56·6	56·6	56·5	56·9	57·1	57·4	57·4	56·47
57·4	58·0	58·4	58·	57·3	57·0	56·6	56·2	56·0	55·5	55·4	55·0	54·5	54·0	53·6	53·2	56·37
54·0	54·0	54·0	54·	53·5	53·2	52·8	52·5	52·0	51·5	51·2	51·0	50·4	50·4	50·0	49·8	52·60
53·4	54·0	54·5	54·	54·0	53·6	53·3	53·4*	53·0	52·2	51·8	51·4	50·0	50·3	50·2	50·0	51·98
55·2	54·5	57·0	57·	57·0	56·5	56·5	56·2	56·0	55·6	55·0	54·5	54·2	54·0	53·8	53·5	54·37
58·2	58·8	59·2	59·	58·5	58·6	58·6	58·2	58·0	57·7	—	—	—	—	—	—	56·72
—	—	—	—	—	—	—	—	—	—	56·5	56·5	56·5	55·4	55·4	54·9	
54·2	54·2	53·8	53·	52·7	52·1	51·7	51·4	51·0	51·0	50·6	50·0	49·5	49·4	49·0	48·7	52·23
48·8	48·7	48·7	48·	48·0	48·0	48·0	48·1	48·0	47·5	47·5*	47·3	47·3	47·0	46·8	46·0	47·87
49·0	49·4	50·5	51·	52·0	52·4	52·3	52·0	51·7	51·6	51·2	51·0	51·2	51·3	51·2	50·5	49·71
53·4	54·1	54·7	54·	55·2	55·5	55·8	55·8	55·6	55·5	55·5	55·5	56·2	56·2	56·5	56·6	53·99
59·0	59·0	59·8	59·	59·5	59·0	58·5	58·0	57·8	57·5	57·0	56·2	56·4	56·4	56·3	55·5	57·67
59·0	59·2	59·0	58·	59·0	59·0	59·0	59·0	59·5	59·8	—	—	—	—	—	—	57·30
—	—	—	—	—	—	—	—	—	—	55·5	55·5	55·5	55·5	55·0	55·0	
59·5	60·8	61·0	61·	61·0	60·8	60·5	60·0	60·0	60·0	59·5	59·0	59·0	58 2	58·0	57·5	58·45
61·5	62·2	63·0	63·	62·5	62·4	62·0	61·5	61·0	61·0	60·4	60·0	59·5	59·2	59·0	58·3	60·24
61·0	61·5	62·0	62·	62·0	61·8	61·4	61·2	61·0	61·0	61·0	61·3	61·7	62·3	62·5	62·5	60·62
63·2	63·2	63·0	62·	61·8	61·4	61·0	61·0	61·0	61·0	61·0	60·8	60·8	60·8	60·9	60·4	61·88
60·6	61·0	60·6	61·	61·2	61·2	61·4	61·2	61·5	61·8	62·0	62·2	62·1	62·0	62·0	62·0	61·03
58·69	59·06	59·30	59·	59·05	58·91	58·76	58·56	58·35	58·18	57·17	56·04	56·82	56·70	56·58	56·30	57·68

* Six minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·000234.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
NOVEMBER.	1	584·2	585 0	584·2	576·2	571·3	560·4	568·8	575·8	576·3	574·9	572·9	574
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	601·2	602 0	598·7	587·0	589·5	588·0	588·3	591·1	596·1	599·3	598·2	600
	4	603·2	602 0	592·0	591·2	589·7	585·2	588·7	590·0	596·0	593·5	592·0	594
	5	604·0	604 3	595·1	563·2	573·0	573·0	585·5	588·2	591·0	590·0	586·2	596
	6	600·2	597·5	595·0	592·0	588·4	587·0	587·4	590·2	594·0	595·2	600·8	599
	7	596·4	600·0	599·6	597·2	596·4	589·5	586 8	589·4	592·0	591·4	591·0	599
	8	599·4	598·2	595·6	591·0	591·0	587·8	586·0	587·7	593·0	598·0	600·9	604
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	619·8	618·3	612·9	611·2	607·6	605·9	605·1	605·0	606·0[a]	608·2	609·0	602
	11	606·0	603·5	597 6	5 1·0	590·0	591·6	589·0	597·0	599·2	601·0	600·4	606
	12	609·0	605·0	600·0	595·0	594 0	594·2	593·0	597·3	600·9	608·8	603·6	607
	13	602·6	603·0	598·4	592·6	590·2	589·2	593·5	598·0[b]	602·0	604·9	605·5	605
	14	601·8	598·7	592·8	585·7	583·6	585·7	590·0	595·2	600·0	603·6	606·0	603
	15	602·0	599·3	593·9	590·2	586·0	585·2	588·8	596·2	602·4	607·0	607·0	606
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	597·5	609·0	602·1	604·0	590·2	585·2	588·4	576·6	578·0	582·7	596·0	596
	18	595·0	594·5	593 5	584·0	579·2	576·2	580·5	578·0	588·1	595·4	589·7	589
	19	600·0	598·1	586·4	578·9	580·0	576·2	581·1	586·4	593·8	597·2	568·6	595
	20	603·9	601·8	596·6	596·3	595·7	593·7	596·2	598·0	600·2	605·6	603·0	602
	21	603·2	609·3	605 8	603·9	599 1	602·1	604·0	606·0	606·9	604·3	609 7	607
	22	609·0	610·1	603·0	603·0	604·5	603·5	605·2	608·0	606·2	608·0	606·4	610
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	619·2	621·2	617·0	617·4	611·0	614·2	612·7	614·2	613·0	616·9	622·2	618
	25	624·0	625·4	622·8	620·1	618·0	617·5	620·2	619·7	624·2	621·2	618·7	621
	26	619·0	618·7	616·2	611·3	609·0	606·2	609·0	610 7	617·0	608·3	618·0	619
	27	621·1	618·7	614·0	610·0	607·3	608·1	611·7	617·0	621·0	624·0	624·0	622
	28	598·0	623·1	617·0	615·8	612·0	610·1	608·4	607·4	607·2	606·0	623·9	624
	29	621·0	617·2	614·6	611·6	611·8	595·0	605 0	614·5	619·5	618·4	619·6	613
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		605·63	606·60	601·79	596·79	594·74	592·43	594·93	597·50	600·96	602·55	604·13	603

TEMPERATURE OF THE BIFILAR MAGNET.

		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		°	°	°	°	°	°	°	°	°	°	°	°
NOVEMBER.	1	61·4	60·8	60·0	60·2	60·4	60·6	60·4	60·5	60·8	61·4	62·0	61
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	49·2	49·4	49·4	49·2	49·3	50·0	50·9	51·0	52·0	52·4	52 6	52
	4	52·6	52·5	52·2	52·4	53·2	53·5	53·8	54·0	54·4	54·6	55·0	54
	5	52·5	52·5	53·0	53·0	53·2	53·6	54·3	1 4·3	54·0	54·0	54·0	54
	6	54·7	53·4	53·0	53·0	53·0	53·0	53·0	5 ·6	53·8	54·4	54·8	55
	7	53·7	53·5	53 2	53·4	53·2	53·5	53·8	54·0	54·2	54·3	54·3	54
	8	53·7	53·4	52·6	51·8	51·5	51·3	51·0	50·8	50·5	50 2	50·2	50
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	44·0	44·5	44·5	44·7	45·5	46·3	47·0	48·4	49·0	50·0	50·5	51
	11	51·0	51·0	50·6	50·3	50·3	50·5	51·0	51·5	52·0	52·5	52·3	52
	12	51·0	50·9	50·5	50·5	51·0	52·0	52·4	53·0	53·0	53·0	53·0	52
	13	52·6	52·3	52·0	52·2	52·8	53·6	53·8	54·3	54·6	55·4	55·7	55
	14	53·0	52·6	52·4	52·2	52·5	53·5	54·2	54·6	54·9	54·9	55·0	55
	15	52·7	52·5	52·5	52·5	53·8	54·6	54·4	54·5	54·0	54·2	54·5	54
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	52·3	52·5	52·5	52·5	52·3	52·5	53·0	53·0	53·4	53·6	54·0	54
	18	56·5	56·5	56·5	56·0	56·2	56·2	56·6	56·0	56·2	56·6	56·9	56
	19	55·6	55·0	54·5	52·2	52·2	52·6	52·6	52·8	52·4	52·0	50·4	51
	20	51·8	52·0	52·0	51·5	52·0	52·7	53·8	53·8	54·0	54·4	53·5	53
	21	51·0	50·5	50·0	49·7	49·0	48·8	48·8	48·1	47·9	46·0	46·4	46
	22	46 0	46·0	46·0	45·5	45·5	44·6	44·5	45·4	45·0	46·0	45·0	45
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	39·5	39·5	39·5	40·0	40·0	40·0	40·3	39·2	39·4	38·8	38·8	38
	25	41·2	41·2	41·2	40·2	40·6	41·5	42·4	42·0	42·7	42·6	42·6	43
	26	44·6	44·6	44·0	44·0	44·0	43·4	43·0	42·5	42·1	42·0	42·4	41
	27	43·6	43·0	42·4	41·8	41·8	41·2	41·4	41·5	41·5	41·6	42·0	41
	28	37·8	38·2	37·8	38·0	38·8	39·4	39·5	39·7	40·2	40·6	41·4	42
	29	41·6	41·6	40·8	40 6	41·0	41·5	41 8	42·5	42·6	42·4	42·0	41
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		49·71	49·60	49·32	49·10	49·32	49·62	49·91	50·04	50·18	50·32	50·38	50

[a] Four minutes late. [b] Five minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·000234.

12^{h}.	13^{h}.	14^{h}.	15^{h}.	16^{h}.	17^{h}.	18^{h}.	19^{h}.	20^{h}.	21^{h}.	22^{h}.	23^{h}.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
579·0	583·1	583·5	583·0	584·8	585·2	—	—	—	—	—	—	582·44
—	—	—	—	—	—	593·2	590·4	590·4	598·7	602·2	601·0	
601·0	598·2	598·0	598·2	598·6	584·2	593·0	597·8	596·7	600·0	600·9	602·1	596·20
587·6	588·0	590·2	592·8	588·2	589·6	591·2	585·0	591·4	593·5	590·2	603·4	592·04
597·2	597·4	596·3	598·0	595·0	594·2	595·8	598·8	598·0	600·8	600·2	599·5	592·55
600·0	598·3	599·0	594·4	590·4	584·6	594·3	597·2	592·0	598·5	599·0	596·3	594·62
587·0	592·7	594·0	594·0	598·0	585·0	581·5	587·4	596·0	597·2	598·0	600·0	592·90
604·0	604·0	605·0	603·2	602·0	600·2	—	—	—	—	—	—	601·58
—	—	—	—	—	—	615·8	613·8	612·2	612·2	614·3	618·7	
601·8	607·0	606·2	590·0	586·2	599·2	605·0	600·5	600·7	603·8	604·8	607·0	605·15
606·7	605·5	605·0	603·4	607·2	607·0	604·0	604·0	604·0	603·6	607·0	606·0	601·50
607·1	605·4	604·5	604·1	604·8	604·9	605·4	605·0	605·0	605·0	605·0	602·8	602·83
603·4	603·0	602·8	599·0*	599·0	599·0	600·8	601·4	602·0	601·4	603·0	602·6	600·10
606·4	602·7	602·0	602·4	600·0	600·2	601·8	600·4	600·9	601·1	602·8	602·8	598·82
597·4	597·0	603·3	603·0	603·8	603·2	—	—	—	—	—	—	598·69
—	—	—	—	—	—	600·5	600·0	602·2	603·0	598·1	599·0	
587·4	589·2	592·8	593·0	591·0	590·7	590·1	588·5	590·0	591·0	592·2	592·0	591·41
587·5	592·8	587·3	591·0	586·0	591·0	590·7	589·0	589·5	588·2	587·5	590·8	587·75
600·0	601·8	593·0	585 0	596·0	594·0	596·0	603·3	600·0	600·3	598·2	600·2	593·33
601·8	601·0	600·0	599·8	600·0	602·2	603·3	600·8	600·0	601·6	603·5	604·8	600·51
605·2	610·0	609·4	605·8	608·0	607·8	608·9	607·0	606·4	606·8	609·7	607·2	606·42
613·7	611·9	607·2	611·0	612·0	609·0	—	—	—	—	—	—	609·73
—	—	—	—	—	—	610·5	611·1	610·5	617·0	619·0	619·5	
621·6	622·0	621·9	617·2	619·0	612·1	618·2	620·0	620·0	621·0	622·2	618·4	617·96
621·0	620·8	620·0	619·0	618·2	618·0	617·0	616·2	614·4	615·2	617·0	617·4	619·46
621·0	624·0	625·0	626·2	627·0	622·2	618·6	616·2	617·8	620·1	620·4	620·2	617·55
624·0	633·0	627·2	619·2	617·8	614·4	613·2	615·5	612·5	611·0	603·9	611·3	616·78
624·0	621·1	619·1	605·0	615·3	611·0	611·7	611·0	618·9	612·5	613·0	620·2	613·99
609·0	615·0	617·6	621·8	620·0	618·4	—	—	—	—	—	—	616·98
—	—	—	—	—	—	622·0	623·0	624·0	626·0	626·0	623·2	
603·79	605·00	604·41	602·38	602·73	601·09	603·30	603·33	603·82	605·18	605·52	606·66	602·05

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
61·2	60·9	60·4	60·3	60·0	59·5	—	—	—	—	—	—	57·94
—	—	—	—	—	—	50·2	50·0	50·0	49·6	49·0	49·2	
52·9	53·0	53·0	52·5	53·0	53·0	52·6	52·5	52·5	52·5	52·6	52·3	51·68
54·5	54·5	54·5	54·5	54·5	54·4	54·4	54·2	54·0	54·0	53·7	53·0	53·88
54·4	53·6	53·6	53·2	53·0	53·0	53·0	52·8	52·7	53·5	54·2	53·9	53·49
55·0	54·9	54·9	54·5	54·2	54·4	54·4	54·4	54·4	54·4	54·4	54·0	54·07
54·5	54·4	54·0	54·0	54·0	53·9	53·9	53·9	53·9	53·8	53·6	53·6	53·87
50·0	50·0	50·0	50·0	49·8	49·6	—	—	—	—	—	—	48·83
—	—	—	—	—	—	41·6	42·0	42·4	42·8	43·2	43·6	
51·0	51·0	51·0	50·8	50·8	50·4	50·4	50·0	50·4	51·0	51·0	50·5	48·90
52·0	52.0	51·6	51·4	51·0	51·3	51·3	51·2	50·9	51·3	51·5	51·0	51·33
52·6	52·3	52·2	51·9	52·3	52·4	52·2	52·5	53·0	53·2	53·0	52·8	52·22
54·8	54·7	54·4	54·0	54·0	54·5	54·5	54·5	54·3	54·3	54·0	53·6	54·01
55·5	55·5	55·6	55·6	55·5	55·5	55·4	54·6	53·8	53·2	53·0	52·8	54·22
54·0	53·6	53·4	53·0	53·0	53·0	—	—	—	—	—	—	53·28
—	—	—	—	—	—	52·5	52·4	52·4	52·3	52·4	52·5	
53·8	53·8	54·2	54·8	55·0	55·3	55·5	55·5	55·4	56·4	57·0	56·5	54·12
57·1	57·2	57·5	57·5	57·5	57·5	57·5	57·0	57·0	56·7	56·7	56·2	56·77
51·5	51·5	52·0	52·4	52·0	52·0	51·6	51·3	51·6	51·6	51·6	51·6	52·25
53·5	53·5	53·0	52·6	52·2	52·0	52·0	51·8	51·6	51·4	51·2	51·2	52·54
46·0	47·0	47·0	47·0	47·2	47·0	47·0	47·0	46·5	46·0	46·8	47·0	47·65
45·4	45·4	46·0	46·5	47·0	47·3	—	—	—	—	—	—	44·17
—	—	—	—	—	—	39·8	39·5	39·5	39·5	39·8	39·5	
39·7	40·2	40·5	40·4	40·8	41·0	41·0	41·0	41·5	41·0	41·0	41·5	40·13
44·0	44·0	44·8	45·0	45·0	45·0	45·3	45·3	45·0	45·0	45·0	44·6	43·30
42·3	44·0	44·5	44·5	44·5	44·5	44·3	44·2	44·2	44·4	44·5	44·0	43·67
41·6	41·6	41·5	40·6	40·2	39·5	39·0	38·6	38·7	39·0	38·8	38·4	40·87
42·8	43·0	43·0	42 7	42·6	42·4	42·4	42·3	42·0	42·0	42·0	41·7	40·93
41·2	41·3	41·5	42·0	43·0	42·6	—	—	—	—	—	—	40·52
—	—	—	—	—	—	36·0	36·4	37·0	37·3	37·5	37·3	
50·45	50·52	50·56	50·47	50·48	50·44	49·11	49·00	48·99	49·05	49·10	48·89	49·79

* Twenty-two minutes late.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^{t}. = ·000234.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
DECEMBER.	1	624·0	623·2[a]	622·0	616·8	612·6	609·5	612·0	612·7	622·0	628·2	628·2	627·2
	2	623·6	628·8	629·8	625·3	622·0	616·0	615·9	618·5	622·6	623·0	622·0	623·0
	3	611·7	623·8	623·2	620·0	567·5	555·2	575·1	579·0	610·5	618·0	614·0	624·0
	4	609·1	607·0	606·0	606·2	605·0	603·0	602·0	610·0	611·4	614·0	622·2	610·0
	5	609·5	607·0	615·0	606·2	602·5	599·4	599 8	603·0	604·8	605·4	607·9	608·2
	6	613·2	612·0	614·3	612·8	610·0	607·2	602·5	603·5	604·2	609·2	612·0	610·0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	625·2	626·8	622·7	625·0	620·0	615·0	611·0	609·0	615·5	618·0	620·5	621·0
	9	613·7	614·8	613·2	612·2	609·1	607·0	606·1	607·0	610·0	610·0[b]	612·7	614·0
	10	620·0	620·0	619·0	621·0	623·5	617·0	619·5	617·2	616·2	620·4	622·0	624·0
	11	623·5	624·0	627·0	624·7	620·0	621·2	623·0	624·2	624·2	628·4	627·7	628·0
	12	631·0	631·2	630.8	627·4	625·8	621·7	619·0	618·5	620·0	629·5	632·0	630·0
	13	628·8	638·3	631·1	624·5	606·2	622·1	612·0	603·0	611·0	614·0	597·6	599·0
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	624·5	620·0	618·6	605·6	606·0	601·5	593·0	583·2	603·0	588·0	613·5	614·2
	16	615·6	614·6	614·7	610·0	607·5	601·0	599·5	599·7	600·4	609·6	605·5	609·0
	17	611·0	609·9	610·0	611·6	596·0	601·2	600·4	605·5	604·6	608·1	614·4	613·0
	18	608·8	607·8	610·0	603·0	601·0	598·0	594·2	599·4	596·0	604·0	606·6	606·0
	19	616·0	617·7	614·3	613·5	613·2	611·8	610·6	613·2	617·2	623·7	625·7	626·2
	20	633·6	634·4	636·0	632·5	626·5	623·0	618·5	619·5	622·5	624·0	624·0	626·2
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	640·0	641·0	640·0	635·0	631·0	625·0	620·0	630·2	629·2	630·0	634·2	634·2
	23	634·0	635·0	635·0	636·5	633·0	629·4	624·4	625·3	624·7	628·2	631·7	632·2
	24	616·0	616·4	622·2	626·2	622·4	621·6	620·0	618·2	622·0	618·7	621·7	622·5
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	636·0	637·5	636·0	630·4	636·0	630·4	628·2	625·9	628·0	634·0	633·4	632·0
	27	626·6	630·0	626·7	621·4	627·5	628·7	621·4	618·5	622·8	625·0	627·8	629·0
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	623·2	624·6	625·0	618·8	615·7	612·0	609·8	610·7	611·8	615·8	618·5	619·1
	30	606·2	607·4	605·6	617·0	612·5	603·0	594·4	590·0	598·0	611·0	609·0	606·0
	31	617·3	616·0	617·4	621·0	620·0	621·6	615·1	614·0	617·2	612·6	616·2	613·0
Hourly Means		620·85	621·89	621·75	619·41	614·33	611·63	609·52	609·96	614·22	617·34	619·27	619·…

TEMPERATURE OF THE BIFILAR MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
DECEMBER.	1	37·8	38·0	37·8	38·0	37·8	37·0	36·7	36·4	36·0	36·4	37·0	37·1
	2	35·6	35·4	36·0	35·9	37·2	37·5	36·5	37·2	37·9	39·4	38·8	38·4
	3	36·0	36·0	35·4	35·0	35·0	35·5	36·0	36·5	37·0	37·5	37·5	37·1
	4	41·0	41·2	40·5	40·0	40 0	40·5	41·5	42·5	43·0	44·0	44·5	45·0
	5	44·4	44·4	44·0	43·7	43·6	43·4	43·6	43·6	43 5	43·5	43·5	43·1
	6	44·2	44·6	44·0	43·5	43·5	43·8	44·2	44·0	44·0	44·3	44·3	44·0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	36·5	37·0	37·6	38·0	38·3	39·5	40·0	40·5	41·0	41·5	42·0	43·0
	9	44·5	44·5	44·0	44·0	44·1	44·4	44·4	45·0	45·3	45·5	45·5	45·1
	10	41·6	41·5	41·0	41·3	41·5	41·9	41·9	41·5	41·0	40·8	41·0	39·0
	11	37 0	36·5	36·0	35·7	35·4	35·8	35·8	36·0	36·2	36·4	36·8	37·0
	12	35·0	34·6	34·2	33·4	33·8	34·0	34·0	34·5	35 0	36·0	36·7	37·0
	13	38·0	38·0	37·6	37·7	38·8	39·8	40·8	41·5	42·0	43·0	43 4	43·1
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	44·2	44·6	43·8	43·7	44·8	45·3	45·6	45·5	45·5	45·0	45·0	45·0
	16	42·4	43·5	42·4	42·4	43·0	43·9	44·8	45·3	46·0	46·5	46·8	46·1
	17	45·5	46·0	45·5	45·4	45·5	45·5	45·8	46·2	46·4	46·8	47·0	46·1
	18	49·2	49·0	48·5	48·5	48·5	49·5	49·4	49·5	49·6	50·0	49·6	49·2
	19	39·2	39·0	38·8	38·2	37·3	37·3	37·4	37·6	37·2	37·0	36·0	35·1
	20	34·2	34·7	34·8	34·7	34·6	35·4	35·6	36·5	36·6	37·5	37·5	36·9
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	31·0	32·0	32·0	32·5	33·0	33·5	34·5	35·5	36·5	37·2	37·2	37·0
	23	36·5	36·5	36·3	36·4	37·2	37·6	38·3	38·4	40·0	40·0	40·2	40·0
	24	42·2	42·0	40·5	40·5	40·2	40·2	40·6	41·4	41·8	42·7	43·2	43·0
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	33·5	33·5	34·0	34·7	35·5	35·8	36·4	37·0	37·8	38·5	39·4	39·1
	27	36·4	36·0	35·7	34·8	35·4	36·2	37·0	38·0	37·6	38·2	38·5	38·4
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	43·2	43·4	43·4	43·2	43·4	43·8	44·6	45·0	45·0	45·9	46·4	46·1
	30	44·8	44·6	44·4	44·0	44·0	44·5	45·2	45·5	45·0	45·0	45·0	44·3
	31	40·4	39·5	38·7	38·2	38·8	39·5	40·5	40·6	40·7	40·7	40·6	40·4
Hourly Means		39·78	39·85	39·50	39·36	39·62	40·04	40·43	40·82	41·06	41·51	41·67	41·…

[a] Three minutes late. [b] Two minutes late. [c] Five minutes late.

1° Fah^t. = ·000234.

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah^t. = ·000234

8^h.	9^h.	10^h.	11^h.	12^h.	13^h.	14^h.	15^h.	16^h.	17^h.	18^h.	19^h.	20^h.	21^h.	22^h.	23^h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
622·0	628·2	628·2		623·0	622·0	623·0	622·0	620·0	620·0	621·0	623·2	623·4	622·0	622·5	622·2	620·95
622·6	623·0	622·0		625·5	623·0	622·0	624·0	624·5	628·2	624·4	620·0	620·0	613·2	615·0	611·1	621·81
610·5	618·0	614·0		618·2	617·4	628·0	595·4	593·3	597·0	601·6	598·6	596·0	602·8	608·0	610·0	603·68
611·4	614·0	622·2		610·0	606·4	605·6	602·2	602·7	601·4	600·8	603·0	603·0	599·0	605·1	610·0	606·48
604·8	605·4	607·9		608·4	608·0	606·0	601·6	618·0	606·0	608·5	608 0	608·0	607·5	616·0	611·2	607·08
604·2	609·2	612·0		608·0	607·7	608·9	610·2	610·0	609·0	—	—	—	—	—	—	
—	—	—		—	—	—	—	—	—	—	—	624·0	622·2	621·4	621·5	611·54
615·5	618·0	620·5		621·3	620·0	618·0	617·0	615·0	613·0	611·8	612·8	613·0	614·4	615·0	614·0	617·29
610·0	610·0[b]	612·7		615·3	616·0	614·2	614·2	613·0	614·2	615·1	614·0	617·7	618·1	617·5	622·0	613·41
616·2	620·4	622·0		621·4	623·0	622·1	622·0	620·4	619·6	621·0	621·5	621·0	624·0	623·4	624·0	621·00
624·2	628·4	627·7		628·0	627·0	627·2	628·0	626·0	626·8	627·0[c]	626·0	629·0	627·0	628·0	624·2	625·86
620·0	629·5	632·0		630·0	629·0	624·1	627·0	626·0	624·0	624·0[d]	625·2	624·4	625·4	630·2	624·4	626·27
611·0	614·0	597·6		604·0	606·0	609·2	609·4	609·8	611·4	—	—	—	—	—	—	
—	—	—		—	—	—	—	—	—	610·0	613·8	616·2	616·6	618·0	616·0	613·67
603·0	588·0	613·5		614·4	606·4	608·2	598·4[a]	592·5	600·0	617·8	611·4	615·4	615·0	616·0	611·7	607·43
600·4	609·6	605·5		608·8	607·8	606·8	604·8	617·0	611·0	602·7	607·0	610·0	610·0	610·0	604·0	613·0	607·94
604·6	608·1	614·4		610·0	608·0	610·0	608·9	607·8	605·4	608·0	606·5	602·0	609·5	609·2	605·6	607·30
596·0	604·0	606·6		606·0	607·0	608·2	607·5	604·0	605·0	607·0	607·2	604·5	605·5	607·8	613·1	604·99
617·2	623·7	625·7		627·2	625·5	624·0	620·2	623·2	625·0	626·4	629·5	629·3	630·0	631·9	631·0	621·93
622·5	624·0	624·0		618·5	624·2	627·2	628·9	628·0	628·4	—	—	—	—	—	—	
—	—	—		—	—	—	—	—	—	634·0	637·4	635·6	636·4	636·5	639·1	628·95
629·2	630·0	634·2		633·4	630·2	626·7	631·0	628·8	629·0[e]	628·2	630·0	630·0	630·0	631·8	633·0	631·33
624·7	628·2	631·7		632·9	631·0	625·5	623·3	622·2	622·8	622·4	625·0	625·0	624·0	625·0	621·8	627·93
622·0	618·7	621·7		625·0	624·8	623·7	621·0	619·0	620·0	—	—	—	—	—	—	
—	—	—		—	—	—	—	—	—	630·1	632·0	633·5	632·0	633·9	636·2	624·13
628·0	634·0	633·4		630·3	631·0	630·0	631·0	630·0	629·2	624·4	630·2	628·0	629·0	628·0	627 4	630·68
622·8	625·0	627·8		630·0	626·0	625·0	628·0	626·0	624·0	—	—	—	—	—	—	
—	—	—		—	—	—	—	—	—	624·5	625·0	625·0	625·0	625·0	624·2	628·55
611·8	615·8	618·5		618·0	617·0	617·5	617·0	618·0	604·0	606·0	607·2	607·4	608·0	606·7	599·8	613·80
598·0	611·0	609·0		604·0	605·0	604·0	606·2	608·0	608·3	608·4	612·0	613·4	609·8	615·0	617·0	607·13
617·2	612·6	616·2		613·4	617·2	616·4	615·0	616·4	620·0	619·8	619·3	614·2	621·3	619·0	625·9	617·58
614·22	617·34	619·27		619·65	617·87	617·75	615·93	616·14	615·49	617·00	617·83	618·04	618·37	619·38	619·59	617·16

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
36·0	36·4	37·0	37·1	37·4	37 0	36·9	37·0	37·1	37·5	37·5	37·7	37·7	37·4	37·2	36·2	37·20
37·9	39·4	38·8	38·4	39·0	39·0	39·0	39·0	39·0	39·0	38·5	36·8	36·2	36·2	36·2	36·7	37·52
37·0	37·5	37·5	37·3	37·2	37·2	37·5	38·2	37·6	37·6	37·8	38·3	38·5	39·2	39·7	40·5	37·25
43·0	44·0	44·5	45·0	44·6	44·8	45·0	44·6	44·3	44·3	44·3	44·0	44·0	44·6	45·2	44·5	43·25
43 5	43·5	43·5	43·3	43·2	43·0	43·0	43·0	42·8	43·5	43·8	42·9	43·0	43·5	43·5	44 2	43·50
44·0	44·3	44·3	44·9	44·0	43·4	43·4	43 6	44·0	44·0	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	—	37·0	36·6	36·4	36·4	42·60
41·0	41·5	42·0	43·0	43·2	43·5	43·5	43·8	43·8	44·8	45·4	45·2	45·2	45·0	44·8	44·8	42·00
45·3	45·5	45·5	45·1	45·4	45·0	45 0	44·2	43·6	43·8	43·6	43·2	42·9	42·6	42·5	42·4	44·20
41·0	40·8	41·0	39·8	39·2	39·2	38·8	39·0	38·5	38·0	37·5	37·5	37·4	37·7	37·5	37·0	39·67
36·2	36·4	36·8	37·0	37·0	36·6	36·7	36·3	36·1	36·0	35·7	35·0	35·5	35·7	35·6	35·5	36·10
35 0	36·0	36·7	37·0	37·0	37·0	37·2	37·0	37·1	37·1	37·3	37·5	37·5	37·5	37·7	38·4	36·10
42·0	43·0	43 4	43·1	44·0	44·0	43·5	43·5	43·5	43·4	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	41·8	42·0	42·4	42·8	43·4	44·0	41·77
45·5	45·0	45·0	45·0	44·8	44·7	44·2	43·6	42·8	42·8	42·6	42·2	42·2	42·4	42·4	41·8	43·94
46·0	46·5	46·8	46·1	45·4	46·4	46·4	46·1	46·4	46·6	46·5	45·0	45·4	45·2	45·6	45·2	45·21
46·4	46·8	47·0	46·1	48·4	48·4	48·8	49·2	49·8	50·0	50·0	50·0	50·5	50·2	50·2	49·6	47·87
49·6	50·0	49·6	49·2	49·0	49·0	48·8	48·5	48·0	47·5	47·0	45·3	43·5	42·0	41·2	40·0	47·51
37·2	37·0	36·0	33·1	35·5	36·0	36·0	36·0	36·0	34·7	34·0	33·6	33·5	33·8	34·4	33·7	36·15
36·6	37·5	37·5	36·1	36·6	36·2	36·0	35·6	35·4	35·2	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	28·4	28·6	28·8	29·0	29·6	30·0	34·09
36·5	37·2	37·2	37·1	36·8	36·4	36·8	37·0	36·8	36·5	36·4	36·0	35·5	35·3	35·6	36·0	35·31
40·0	40·0	40·2	40·4	40·7	41·4	42·0	42·2	42·4	42·2	42·2	42·0	42·0	42·0	42·4	42·2	40·05
41·8	42·7	43·2	43·0	43·0	43·2	43·0	43·1	43·4	43·5	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	33·5	33·4	33·7	33·8	33·8	33·6	39 97
37·8	38·5	39·4	39·3	39·4	38·8	37·2	36·5	36·7	36·2	36·8	37·2	37·5	37·5	37·0	36·8	36·80
37·6	38·2	38·5	38·1	38·5	39·0	39·6	39·9	40·0	40·5	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	40·6	41·0	41·5	41·9	42·5	42·7	38·77
45·0	45·9	46·4	46·1	46·2	45·5	45·5	46·0	46·6	46·6	46·6	46·6	46·7	46·5	46·0	45·0	45·30
45·0	45·0	45·0	44·5	44·5	44·5	44·0	43·7	43·7	43·8	43·5	43·0	42·8	42·4	41·8	41·0	43·97
40·7	40·7	40·6	40·6	40·6	40·7	40·5	40·5	40·5	40·0	39·8	39·7	39·5	40·0	40·2	40 4	40·05
41·06	41·51	41·67	41·60	41·60	41·53	41·47	41·43	41·38	41·35	40·44	40·15	40·02	40·03	40·09	39·95	40·61

[a] Five minutes late. [b] Five minutes early. [c] Twenty-one minutes late. [d] Christmas-day.

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00007.

	Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	12h.
JANUARY.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
	1	102·3	101·2	101·2	100 0	100·0	99·9	99·9	99·5	100·0	100 0	99·8	99·8	
	2	98·2	98·2	98·2	99·2	99·3	98·8	99·4	100·0	99·4	99·4	98 6	98·6	
	3	99·7	98·6	99·8	99·2	99·4	100·1	99·6	99·6	99·6	99·6	97·6	97·6	
	4	97·0	96·9	99·1	98·4	98·0	98·2	98·9	96·5	96·5	96·4	96·4	98·0	
	5	—	—	—	—	—	—	—	—	—	—	—	—	
	6	108·4	108·5	108·8	108·8	108·8	108·5	107·4	107·9	107·9	108·2	108·5	108·6	
	7	111 3	110·7	109·7	108·5	108·5	108·2	107·5	106·2	106·8	106·0	105·4	104·6	
	8	103·3	103·3	103·8	103·7	103·8	103·7	103·2	102·2	102·2	101·2	99·7	100·6	
	9	99·3	99·5	96·6	93·2	92·4	91·6	93·3	94·8	95·1	96·9	102·9	122·6	
	10	100·1	100·5	100·9	100·1	100·7	100·5	100·5	100 5	98·6	96·4	97·0	98·6	
	11	99·0	99·9	99·1	99·4	100·5	100·5	99·5	97·9	97·9	96·2	96·2	94·6	
	12	—	—	—	—	—	—	—	—	—	—	—	—	
	13	109·0	109·0	108·2	108·2	107·6	107·6	107·6	107·9	107·9	107·3	105·6	103·6	
	14	106·7	106·4	106·4	104·6	105·1	105·5	105·9	108·4	109·6	109·0	106·8	104·6	
	15	100·9	103·4	103·5	102·2	98·8	101·7	100·2	99·4	99·4	99·1	98·4	96·0	
	16	95·5	97·1	96·4	95·7	95·7	95·4	95·6	96·7	98·0	98·0	97·6	96·4	
	17	100·4	100·4	99·4	101·7	101·7	100·6	100·6	100·2	100·2	100·2	100·2	100·2	
	18	100·6	100·6	103·6	100·9	99·1	98·9	100·1	100·1	101·4	101·4	97·9	96·8	
	19	—	—	—	—	—	—	—	—	—	—	—	—	
	20	101·8	104·7	104·7	108·9	108·0	106·7	106·7	106·5	107·1	108·8	107·4	106·1	
	21	97·1	97·5	99·0	99·2	99·1	98·2	97·2	97·5	97·0	97·3	96·3	95·7	
	22	93·9	93·8	93·8	93·3	92·0	91·4	90·4	90·4	90·4	90·4	91·3	90·6	
	23	87·0	90·3	89·9	86·9	88·3	87·0	87·3	88·4	89·9	89·6	93·1	93·4	
	24	88·6	88·6	90·1	87·8	86·7	85·5	84·8	89·5	89·5	90·1	88·9	90·9	
	25	91·9	91·0	91·4	87·5	94·9	97·5	98·8	98·6	99·2	99·2	99·2	99·0	
	26	—	—	—	—	—	—	—	—	—	—	—	—	
	27	104·9	104·3	100·3	101·1	99·2	97·7	97·2	95·1	96·8	95·4	94·2	93·6	
	28	97·1	88·6	89·0	90·0	90·0	89·9	89·9	94·0	94·0	95·2	98·3	95·1	
	29	92·3	93·1	92·3	90·4	89·3	89·3	89·3	91·3	92·2	93·3	93·9	96·1	
	30	100·6	100·2	100·5	101·7	100·0	101·4	102·6	98·5	100·0	100·2	97·3	96·1	
	31	98·2	101·8	101·2	102·5	103·0	103·1	103·1	103·1	106·4	107·8	106·2	104·7	
Hourly Means		99·45	99·56	99·51	99·00	98·96	98·79	98·76	98·91	99·37	99·36	99·06	101·0	

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°	
JANUARY.	1	44·8	44·6	44·6	44·8	44·8	45·0	45·2	45·8	45·7	45·6	45·6	45·4	
	2	45·8	45·5	45·5	45·3	45·1	45·2	46·2	45·8	45·7	45·8	45·8	45·6	
	3	44·0	44·0	44·2	43·7	43·7	43 8	43·6	44·0	44·4	44·8	45·6	45·4	
	4	45·0	44·7	44·8	44·6	44·6	44·6	44·8	44·8	44·9	44·9	45·4	45·0	
	5	—	—	—	—	—	—	—	—	—	—	—	—	
	6	37.5	37·3	37·3	36·9	36·9	36·3	36·5	36·5	36·5	36·5	37·0	37·0	
	7	35·3	35·5	35·7	35·9	36·0	36·2	37·0	37·5	38·0	38·0	37·6	39·2	
	8	39·4	39·6	39·6	39·1	39·3	40·0	40·4	40·8	40·8	41·0	41·4	41·6	
	9	41·8	41·6	42·0	42·8	43·8	44·7	45·0	45·9	46·3	46·6	46·8	46·6	
	10	44·6	44·0	43·8	43·8	44·0	44·5	44·8	45·0	45·6	46·0	46·0	46·3	
	11	44·3	44·1	43·8	43·4	43·4	43·4	43·8	45·0	45·3	45·3	45·3	45·1	
	12	—	—	—	—	—	—	—	—	—	—	—	—	
	13	37·3	37·4	37·3	37·3	37·5	37·8	38·1	38·4	38·8	39·8	38·6	39·1	
	14	39·0	39·0	39·0	38·7	38·7	38·3	38·3	38·2	38·0	38·8	39·0	40·0	
	15	40·0	40·0	40·2	40·4	41·2	41·4	41·8	43·0	43·2	43·5	44·0	44·2	
	16	44·6	44·6	44·6	44·4	44·5	44·6	44·8	45·2	45·0	44·4	44 8	44·4	
	17	41·4	41·3	40·9	40·4	41·0	41·5	41·6	42·2	42·4	42·6	42·5	42·1	
	18	39·8	39·9	41·0	40·6	41·4	42·0	42·2	42·7	42·6	42·5	42·4	42·1	
	19	—	—	—	—	—	—	—	—	—	—	—	—	
	20	35·8	36·1	36·1	36·1	36·1	36·1	37·0	37·6	38·5	39·0	39·2	39·1	
	21	42·5	42·6	42·3	42·2	42·2	42·5	43·0	43·7	44·4	44·6	44·8	45·0	
	22	45·4	45·6	45·2	45·2	45·3	45·7	46·0	46·0	46·4	46·8	47·2	47·6	
	23	46·6	46·6	45·8	46·5	46·8	46·8	47·4	47·8	47·6	47·2	47·1	47·1	
	24	47·4	47·2	47·2	47·2	47·2	47·8	47·8	48·4	49·0	49·0	48·8	48·8	
	25	44·8	44·4	43·7	43·1	42·4	42·3	42·4	42·4	42·4	42·8	43·0	43·0	
	26	—	—	—	—	—	—	—	—	—	—	—	—	
	27	39·3	39·1	39·2	39·2	40·0	40·8	41·4	42·6	43·6	44·3	44·5	44·4	
	28	45·5	46·3	46·4	46·4	46·6	47·2	47·6	47·4	48·3	48·6	48·7	49·2	
	29	46·4	46·3	45·8	45·3	45·5	46·0	45·8	46·0	46·4	46·4	46·4	45·4	
	30	40·6	40·6	40·1	40·6	40·7	40·8	41·0	42·0	42·0	43·2	43·6	43·4	
	31	39·2	39·2	39·2	39·3	39·2	39·6	39·7	38·9	38·6	38·2	38·2	38·0	
Hourly Means		42·15	42·11	42·05	41·97	42·14	42·40	42·72	43·10	43·35	43·56	43·67	43·7	

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00007.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
99·7	99·8	100·1	100·1	100·4	97·9	97·9	97·7	97·7	96·1	96·1	97·5	99·35
98·7	98·9	98·9	98·9	98·9	98·6	98·6	98·6	98·6	98·6	98·6	99·0	98·88
96·4	96·4	95·6	95·6	95·6	96·0	96·0	96·0	96·5	96·8	95·8	96·1	97·63
98·0	98·0	98·0	98·2	97·8	98·2	—	—	—	—	—	—	99·36
—	—	—	—	—	—	99·1	98·8	107·1	107·1	107·1	106·9	
108·9	109·1	109·4	109·4	110·6	110·6	110·7	112·1	111·3	111·3	111·3	111·3	109·43
103·8	103·7	103·8	104·4	104·4	104·4	104·9	105·3	103·3	103·3	103·3	103·3	105·86
100·7	100·7	102·1	102·1	102·1	103·5	103·5	101·9	101·9	102·3	99·8	97·4	102·03
122·6	126·2	123·7	120·4	122·1	109·7	105·3	104·5	101·2	99·0	100·0	99·5	106·74
95·8	97·3	97·3	100·5	101·4	99·5	96·6	96·9	98·1	98·1	98·1	97·8	99·71
94·3	93·8	95·1	97·0	97·5	95·7	—	—	—	—	—	—	100·23
—	—	—	—	—	—	105·6*	108·3	110·0	110·0	108·8	108·8	
105·7	106·1	106·3	106·3	106·3	106·2	106·4	106·4	106·4	106·4	105·4	103·6	106·77
107·4	107·1	106·1	107·1	107·1	104·5	103·6	103·6	103·4	103·4	100·5	99·7	105·51
96·0	97 3	96·3	96·3	95·8	94·4	94·4	94·4	95·1	95·4	95·2	95·7	97·89
97·0	97·0	97·9	98·0	99 5	99·5	97·8	96·7	97·7	98·8	98·8	100·4	97·36
100·3	101·0	101·3	101·4	99·7	100·4	102·7	98·5	101·5	103·0	103·6	102·9	100·93
100·9	101 9	102·9	102·9	103·3	104·8	—	—	—	—	—	—	103·28
—	—	—	—	—	—	113·8	113·8	108·4	111·1	110·5	101·8	
105·3	105·1	104·4	104·4	103·3	103·3	97·5	99·8	99·8	98·8	97·3	97·9	103·93
93·2	95 8	95·8	95·7	95·4	95·4	95·4	95·3	95·2	95·4	95·2	94·8	96·40
86·6	87·8	87·0	86·2	87·2	87·7	87·1	89·5	89·8	89·8	88·0	83·9	89·69
94·4	95·0	94·9	92·9	88·1	93·2	93·1	93·0	83·7	81·9	90 9	90·9	90·13
90·5	91·0	91·6	93·2	92·2	93·0	89·7	90·5	90·5	91·3	91·3	91·8	89·90
99·1	101·2	102·4	102·4	98·9	98·9	—	—	—	—	—	—	99·16
—	—	—	—	—	—	105·0	106·9	105·9	105·1	104·2	101·6	
95·4	95·4	95·1	94·4	93·7	93·0	93·0	92·9	92·8	91·8	92·3	92·2	95·98
97·9	95·8	94·3	88·5	90·0	88·9	90·2	77·0	73·8	73·5	82·0	90·0	89·87
97·0	95·5	95·5	95·0	94 5	95·2	96·1	98·0	98·3	98·3	100·6	100·6	94·50
97·3	98·4	98·3	98·1	98·9	100·4	100·4	100·4	102·7	102·9	102·9	99·6	100·00
103·5	108·2	108·2	109·6	109·6	109·5	110·4	114·9	115·1	115·1	115·1	115·6	107·56
99·57	100·13	100·09	99·90	99·79	99·35	99·81	99·67	99·47	99·43	99·73	99·30	99·52

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
45·4	45·6	45·3	45·0	44·9	45·3	45·6	45·7	45·6	45·7	45·6	45 6	45·29
45·6	45·3	45·0	44·7	44·6	44·6	44·6	44·2	44·1	43·8	43·8	43·8	45·06
45 4	45·6	45·8	45·8	45·8	45·8	45·8	45·6	45·8	45·8	45·6	45·2	44·98
44·7	44·6	44·6	44·6	44·6	44·6	—	—	—	—	—	—	43·10
—	—	—	—	—	—	38·8	38·6	38·0	37·6	37·8	37·9	
37·0	36·8	36·5	36·2	35·8	35·6	35·6	35·3	35·6	35·5	35·5	35·3	36·39
39·6	39·6	39·4	39·3	39·3	39·3	39·2	39·3	39·3	39·3	39·4	39·2	38·09
40·6	41·6	41·6	41·3	40·7	40·5	40·5	40·5	40·5	40·6	41·0	41·0	40·61
47·6	47·4	48·5	48·0	48·0	47·4	47·0	46·8	45·4	45·4	45·0	44·8	45·62
45·5	45·7	45·6	45·8	45·6	45·6	45·4	45·2	44·8	44·5	44·5	44·4	45·08
45 6	46·0	46·0	45·2	44·7	44·6	—	—	—	—	—	—	42·78
—	—	—	—	—	—	37·2*	36·9	36·9	36·8	36·9	36·9	
39·3	39·1	39·0	39·2	39·0	39·1	39·6	39·3	39·0	39·0	39·2	39·2	38·65
39·6	39·8	39·8	39·9	39·6	39·7	39·7	40·0	40·0	40·0	40·0	40·0	39·30
44·6	44·4	44·6	44·6	45·0	45·5	45·5	45·4	45·3	45·0	45·0	44·7	43·44
44·4	44·2	44·1	43·8	43·3	42·7	43·1	42·6	42 2	41·8	41·6	41·6	43·81
41·9	42·0	41·4	41·0	40·7	40·2	40·2	40·1	39·9	39·9	39·8	39·8	41·13
41·6	40 8	40·2	39 6	39·6	39·6	—	—	—	—	—	—	39·41
—	—	—	—	—	—	33·7	33·7	33·7	34·0	34·8	35·5	
39·8	39·9	39·8	40·0	40·1	40·7	41·0	41·5	41·6	41·6	42·2	42·0	39·06
46·0	45·6	45·8	45·6	45·6	45·6	45·6	45·6	45·4	45·4	45·5	45·4	44·45
48·9	49·2	48·9	49·1	49·0	49·0	48·6	47·8	47·3	47·0	46·9	46·6	47·11
47·3	47·1	47·2	46·8	46·7	46·4	46·6	46·6	46·6	46·6	46·6	47·1	46·87
48·9	49·3	48·8	48·6	48·4	48·2	48·0	47·6	47·1	46·7	46·4	45·6	47·89
42·4	42·0	41·6	41·0	41·0	40·6	—	—	—	—	—	—	41·65
—	—	—	—	—	—	39·2	39·0	39·0	39·0	39·0	39·0	
44·4	44·6	44·6	45·0	45·4	45·4	45·4	45·8	45·7	45·6	45·8	45·8	43·41
49·2	49·2	49·2	49·3	48·8	48·5	48·2	48·2	48·0	47·6	47·4	46·8	47·84
45·4	45·0	44·6	44·4	44·2	43·2	42·2	42·0	41·9	41·6	41·4	41·1	44·55
43·2	42·5	42·2	42·0	41·6	41·0	40·6	40·0	40·0	39·5	39·1	39·0	41·22
37·0	36·5	36·0	35·6	35·1	34·4	34·0	32·6	31·6	31·0	31·0	30·4	36·36
43·81	43·68	43·56	43·39	43·23	43·08	42·26	42·07	41·86	41·71	41·73	41·62	42·71

* Thirteen minutes late.

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00007.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
FEBRUARY.	1	115·3	118·4	118·4	119·0	116·5	115·5	114·1	112·6	114·5	114·1	112·0	112·0
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	115·6	115·1	114·1	114·1	113·9	112·3	111·9	110·8	110·8	110·8	109·4	109·4
	4	106·1	106·1	105·8	104·9	104·9	102·4	101·0	101·0	102·5	102·5	101·7	103·1
	5	112·2	112·2	112·6	113·6	113·6	112·9	114·5	111·3	112·7	114·8	112·0	112·6
	6	107·5	109·7	111·5	111·8	112·7	111·7	111·5	111·4	112·0	112·0	111·9	111·9
	7	108·8	106·7	115·6	107·3	106·9	106·9	106·9	106·4	106·2	104·4	102·2	100·6
	8	101·0	103·1	102·8	100·9	99·1	99·0	99·0	99·0	98·4	97·9	96·0	94·7
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	99·4	99·4	98·8	97·0	94·0	93·7	93·7	93·7	94·4	93·7	94·2	94·2
	11	93·3	93·3	93·8	92·5	91·3	90·1	90·1	89·5	90·0	88·3	87·6	89·4
	12	88·5	88·5	88·9	89·5	88·2	88·9	90·2	91·2	94·0	94·0	94·5	94·8
	13	104·1	103·4	108·4	107·5	105·5	103·4	103·3	103·1	104·7	104·7	105·5	105·5
	14	100·7	109·1	108·1	109·4	108·8	107·4	106·8	106·4	105·8	104·3	102·1	101·1
	15	94·0	94·0	93·9	92·9	90·9	90·4	89·1	89·2	89·2	88·2	91·3	90·2
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	93·7	92·8	92·1	91·4	90·5	89·3	88·2	88·8	87·3	86·8	85·8	85·3
	18	86·2	86·2	85·7	86·8	85·9	82·9	81·7	80·6	81·9	81·5	80·9	80·7
	19	83·9	83·5	83·5	85·3	83·5	80·5	79·6	80·8	80·8*	80·8	81·6	82·4
	20	81·7	81·5	81·5	81·0	80·2	78·1*	77·5	77·5	79·3	81·6	79·9	81·6
	21	75·7	77·1	78·7	78·6	78·6	76·0	76·2	79·0	79·8	79·8	79·6	77·7
	22	72·4	73·4	74·5	74·2	71·1	71·2	73·4	72·3	74·3	74·9	75·7	75·7
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	85·3	85·3	87·0	84·4	84·6	82·4	83·0	85·3	88·4	89·7	93·4	87·6
	25	81·8	82·6	84·7	81·3	79·5	78·0	79·0	79·3	83·6	78·8	79·1	79·1
	26	79·5	74·8	76·0	78·0	80·4	80·4	79·9	79·9	88·5	87·1	87·1	81·8
	27	86·3	88·3	88·2	86·7	84·0	81·0	81·8	83·0	84·4	84·4	83·0	84·0
	28	88·7	89·0	89·0	89·0	88·4	88·1	87·6	89·3	90·7	93·1	93·3	92·2
Hourly Means		94·49	94·81	95·57	94·88	93·88	92·60	92·50	92·58	93·92	93·67	93·32	93·1

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
FEBRUARY.	1	30·0	30·0	29·2	29·5	29·8	30·2	31·0	32·0	32·3	33·0	33·8	34·1
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	30·8	31·4	31·8	32·0	32·4	33·0	33·8	34·0	34·2	34·6	34·7	35·1
	4	36·8	36·8	36·7	36·6	30·9	37·6	38·6	39·1	39·0	39·0	39·0	39·3
	5	32·7	32·1	31·4	31·0	31·1	31·6	32·0	32·2	32·5	32·2	31·8	32·0
	6	32·3	32·3	32·0	32·0	32·3	32·6	33·2	33·3	33·5	33·2	33·0	33·0
	7	34·3	34·0	34·6	35·2	35·2	35·8	36·2	36·9	37·6	38·5	39·3	40·0
	8	39·4	38·8	38·6	38·9	39·8	40·0	40·0	40·5	40·7	41·4	41·8	42·2
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	39·7	39·8	39·9	40·5	41·7	42·0	43·0	43·0	43·0	43·0	43·6	43·9
	11	42·8	43·0	43·1	43·4	43·6	44·2	45·0	45·3	45·8	45·9	46·0	45·6
	12	45·6	45·6	45·6	45·3	45·1	44·7	44·3	44·0	43·6	43·4	43·0	42·9
	13	36·0	34·8	35·0	34·6	35·0	35·5	36·0	36·9	36·9	36·6	36·8	36·9
	14	34·0	33·8	33·4	33·7	33·9	34·3	34·7	34·9	35·6	36·6	37·6	38·0
	15	42·2	42·6	42·4	43·0	43·8	44·1	45·0	45·3	45·4	46·5	47·0	46·1
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	42·4	42·6	42·6	43·0	43·6	44·0	44·6	45·5	46·0	46·5	46·5	46·3
	18	46·6	46·6	46·6	46·8	47·0	48·0	48·8	49·0	49·2	49·4	49·6	49·9
	19	47·4	47·0	47·3	47·2	47·4	47·8	48·4	49·3	49·6*	49·6	49·6	49·5
	20	48·4	48·0	48·4	48·4	48·7	49·5*	50·0	50·1	50·3	50·2	50·2	50·0
	21	49·6	49·4	49·4	49·3	49·8	50·1	50·4	51·2	51·6	51·8	52·4	52·9
	22	53·0	53·0	52·5	52·7	52·7	53·1	53·3	53·1	53·2	53·5	53·2	52·9
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	45·8	45·8	45·8	45·5	47·0	47·2	47·8	48·0	48·0	48·6	49·0	49·5
	25	48·6	48·0	48·6	49·0	49·6	50·6	50·8	51·3	51·5	52·2	52·6	52·9
	26	50·3	49·8	49·6	49·6	49·6	49·8	50·1	50·3	50·0	50·0	50·0	49·7
	27	46·2	46·0	46·2	47·1	47·6	48·4	48·8	49·0	49·1	49·5	49·6	49·1
	28	45·0	44·5	44·1	45·1	44·6	45·0	45·1	45·6	45·6	45·6	45·6	45·4
Hourly Means		41·66	41·49	41·45	41·64	42·01	42·46	42·96	43·33	43·51	43·78	43·99	44·10

* Seven minutes late.

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00007.

8h.	9h.	10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
14·5	114·1	112·0	112·0	110·8	110·8	111·9	111·9	111·6	110·9	—	—	—	—	—	—	114·45
—	—	—	—	—	—	—	—	—	—	116·2	116·1	116·2	116·1	115·8	116·2	
10·8	110·8	109·4	109·4	108·7	108·7	108·1	109·1	108·8	108·6	108·6	107·9	108·7	108·7	108·0	107·4	110·40
02·5	102·5	101·7	103·1	102·9	102·6	104·5	104·9	105·7	105·7	105·7	108·9	109·9	110·2	110·6	111·7	105·22
12·7	114·8	112·0	112·1	113·1	113·9	113·9	113·9	115·0	114·7	114·0	114·0	114·1	112·9	101·3	100·2	112·37
12·0	112·0	111·9	111·9	111·9	111·9	111·9	111·9	112·2	112·2	112·2	111·0	111·0	109·8	108·8	109·0	111·23
06·2	104·4	102·2	100·4	100·8	101·7	101·8	101·0	99·9	99·4	97·9	97·4	99·3	99·9	100·8	101·0	103·32
98·4	97·9	96·0	94·1	95·8	96·4	97·2	97·2	97·1	98·0	—	—	—	—	—	—	98·42
—	—	—	—	—	—	—	—	—	—	91·8	97·1	101·9	100·2	99·3	99·3	
94·4	93·7	94·2	94·7	92·8	93·2	93·0	92·6	92·6	92·8	89·0	92·3	92·3	93·1	93·3	93·3	94·02
90·0	88·3	87·6	89·6	89·4	90·0	88·5	88·5	88·2	88·2	88·2	88·2	88·5	88·4	88·5	88·5	89·68
94·0	94·0	94·5	94·1	94·8	97·0	97·8	98·7	98·7	99·0	99·0	102·1	102·6	102·6	102·6	104·6	95·46
04·7	101·7	105·5	105·4	105·5	106·4	106·4	105·9[a]	105·9	105·9	106·7	105·9	105·9	106·1	104·8	107·9	105·52
05·6	104·3	102·1	101·4	101·8	101·4	100·0	99·7	99·7	98·8	97·9	97·6	96·6	96·0	94·9	94·9	102·31
80·2	88·2	91·3	90·1	90·2	84·5	84·6	84·2	84·2	84·2	—	—	—	—	—	—	89·77
—	—	—	—	—	—	—	—	—	—	91·3	91·2	91·2	90·9	90·8	93·7	
87·3	86·8	85·8	85·1	85·3	87·2	86·4	86·4	87·9	87·7	86·6	86·6	85·7	85·7	86·1	86·2	87·91
81·9	81·5	80·9	80·7	80·0	81·2	82·8	82·8	81·6	81·6	83·6	85·7	85·7	85·7	85·7	84·4	83·45
80·8[b]	80·8	81·6	83·4	85·8	87·4	88·6	88·4	88·4	88·4	87·9	88·1	86·3	85·9	81·8	81·8	84·60
79·3	81·6	79·9	81·6	82·2	83·8	82·5	82·0	81·9	84·4	76·8	70·6	69·1	69·4	78·4	76·2	79·11
79 8	79·8	79·6	77·1	78·9	71·6	73·0	72·2	70·2	69·2	68·2	70·5	71·8	69·9	65·4	70·4	74·50
74·3	74·9	75·7	75·7	76·5	77·5	77·5	80·5	78·8	78·3	—	—	—	—	—	—	75·40
—	—	—	—	—	—	—	—	—	—	71·8	68·5	72·2	77·5	82·1	85·3	
88·4	89·7	93·4	87·6	88·4	86 7	88·5	79·7	84·3	79·9	70·4	81·2	76·4	73·0	81·0	81·9	83·66
83·6	78·8	79·1	79·1	80·4	81·4	79·9	77·9	76·1	77·5	76·9	65·0	74·3	78·0	68·1	76·3	78·28
88·5	87·1	87·1	84·8	87·7	84·6	84·6	83·2	83·5	85·4	83·0	82·7	84·5	83·6	80·6	86·8	82·78
84·4	84·4	83·0	84·6	84·0	85·3	82·3	87·0	84·0	88·6	87·7	87·4	87·4	86·4	88·4	88·4	85·52
90·7	93·1	93·3	92·1	91·7	91·9	92·8	94·0	92·0	92·8	92·6	90·9	90·7	90·7	91·0	91·0	90·85
93·92	93·67	93·32	93·11	93·34	93·22	93·27	93·17	92·85	93·01	91·83	91·95	92·60	92·53	92·00	93·18	93·26

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
32·3	33·0	33·8	34·1	34·1	34·0	34·0	34·0	34·8	34·8	—	—	—	—	—	—	31·71
—	—	—	—	—	—	—	—	—	—	29·5	30·2	30·0	30·2	30·2	30·3	
34·2	34·6	34·7	35·1	35·7	36·0	36·0	36·0	36·0	35·7	35·7	36·0	35·6	35·6	36·0	36·6	34·55
39·0	39·0	39·0	39·1	39·3	39·6	38·8	37·2	37·0	36·5	36·2	35·3	34·8	34·5	34·0	33·6	37·18
32·5	32·2	31·8	32·0	32·0	32·0	32·0	31·8	31·5	31·5	31·5	31·3	31·4	31·3	31·4	32·0	31·76
33·5	33·2	33·0	33·1	33·0	33·3	33·3	33·2	33·1	33·2	33·5	33·8	34·1	34·3	34·3	34·0	33·16
37·6	38·5	39·3	40·0	40·0	39·6	39·5	39·8	40·1	40·2	40·6	40·9	40·9	40·4	39·6	39·4	38 28
10·7	41·4	41·8	42·2	42·0	42·0	41·6	41·0	41·0	40·6	—	—	—	—	—	—	40·11
—	—	—	—	—	—	—	—	—	—	38·0	38·0	38·2	39·0	39·5	39·7	
43·0	43·0	43·6	43·4	43·6	43·4	43·5	43·5	43·4	43·4	44·0	43·8	43·6	43·6	43·3	43·1	42·70
45·8	45·9	46·0	45·6	45·4	45·4	45·8	46·0	46·0	45·8	45·6	45·6	45·6	45·6	45·6	45·6	45·07
43·6	43·4	43·0	42·8	42·0	41·4	41·0	40·5	40·0	39·5	38·5	38·0	37·6	37·4	37·0	36·6	41·77
36·9	36·6	36·8	36·8	36·8	36·2	36·1	35·6[b]	35·6	35·6	35·4	36·0	35·4	35·4	34·6	34·0	35·74
38·6	38·6	37·6	38·0	38·2	38·2	38·8	39·4	39·8	39·8	40·3	40·5	40·6	40·8	41·6	41·9	37·52
45·4	46·5	47·0	46·7	46·5	46·7	47·2	47·4	47·4	47·2	—	—	—	—	—	—	44·75
—	—	—	—	—	—	—	—	—	—	43·3	43·3	43·2	42·8	42·6	42·4	
46·0	46·5	46·5	46·5	46·6	46·4	46·4	46·4	46·4	46·4	46·4	46·6	46·6	46·6	46·6	46·6	45·49
49·2	49·4	49·6	49·9	50·2	49 7	49·5	49·0	49·0	48·2	48·0	47·5	47·5	47·2	47·2	47·5	48·25
49·6[b]	49·6	49·6	49·5	49·5	49·1	48·6	48·6	48·0	48·0	48·6	48·6	49·0	49·1	48·8	48·6	48·52
50·3	50·2	50·2	50·0	50·0	50 0	50·4	50·6	50·6	50·4	50·4	49·6	49·6	49·5	49·5	49·0	49·66
51·6	51·8	52·4	52·3	52·9	54·3	54·1	54·1	54·3	53·4	53·6	53·1	53·1	53·2	53·2	53·1	52·09
53·2	53·5	53·2	52·9	52·6	52·2	51·8	51·5	51·2	50·7	—	—	—	—	—	—	51·00
—	—	—	—	—	—	—	—	—	—	46·8	46·4	46·4	46·3	46·1	45·8	
48·0	48·6	49·0	49·5	50·0	49·9	49·6	50·0	49·7	49·2	48·9	48·6	48·6	48·6	48·6	48·4	48·25
51·5	52·2	52·6	52·6	52·2	52·7	52·8	53·2	52·8	52·8	52·3	52·7	52·3	52·0	51·6	50·8	51·41
50·0	50·0	50·0	49·7	49·3	49·3	48·7	49·0	49·2	48·7	48·5	48·5	47·6	47·0	46·7	46·6	49·08
49·1	49·5	49·6	49·7	49 3	48·7	48·0	47·2	46·4	46·0	45·8	45·8	45·6	45·6	45·4	45·4	47·35
45·6	45·6	45·6	45·4	45·0	45·0	44·8	44·6	44·8	44·6	44·8	44·4	44·1	44·2	44·5	44·5	44·84
43·51	43·78	43·99	44·10	44·01	43·96	43·85	43·73	43·66	43·43	42·75	42·68	42·56	42·51	42·41	42·31	42·93

[a] Four minutes late.

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fahr. = ·00007.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
MARCH.	1	90·6	90·6	90·6	68·6	81·2	80·7	81·9	83·1	83·8	83·6	83·1	81·6
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	87·0	86·9	87·0	85·8	86·1	86·5	86·6	88·9	88·1	87·9	86·8	88·1
	4	89·3	92·0	89·5	88·2	84·4	82·4	84·4	84·4	83·0	82·9	82·3	82·6
	5	84·4	86·4	86·1	86·1	85·3	84·5	84·5	85·1	86·0	84·5	82·6	80·6
	6	86·3	86·8	86·2	84·7	80·5	80·5	81·4	81·0	80·7	81·6	79·3	79·1
	7	85·6	84·8	84·1	81·2	79·5	78·8	78·7	78·3	79·7	79·7	80·5	80·7
	8	77·0	76·9	77·6	78·0	76·1	75·1	73·5	73·3	73·3	73·3	72·9	71·7
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	86·4	89·5	89·5	89·1	87·1	86 0	86·0	84·5	84·0	84·9	83·6	83·5
	11	86·9	88·0	87·1	85·1	80·8	80·8	78·5	78·5	80·8	80·5[a]	79·7	79·4
	12	84·9	86·0	86·0	83·0	82·1	81·0	80·9	82·0	80·7	79·8	78·7	79·7
	13	78·6	81·9	83·0	80·2	79·4	77·6	77·7	77 3	77·3	76·5	76·1	76·3
	14	82·2	80·8	82·5	79·3	78·2	77·8	77·1	76·1	79·1	79·1	80·3	81·9
	15	90·9	91·5	95·7	96·5	97·0	93·2	93·2	90·7	94·7	94·7	96·7	97·7
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	99·5	100·6	99·4	96·5	94·4	93·3	92·6	92·1	90·4	90·4	89·7	92·0
	18	96·1	96·1	96·1	95·6	94·1	95·3	95·9	96·4	94·6	95·9	95·9	95·6
	19	98·8	98·8	97·4	96·2	96·5	95·8	96·3	98·3	98·3	100·7	98·8	99·0
	20	89·3	92·6	92·9	92·5	90·1	86·5	90·6	89·4	89·6	89·8	89·7	91·0
	21[b]	—	—	—	—	—	—	—	—	—	—	—	—
	22	96·4	97·0	93·9	90·7	89·6	86·6	86·6	87·2	87·2	87·0	85·1	84·6
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	86·2	86·2	86·2	85·7	85·7	86·0	85·0	89·9	88·0	87·4	85·5	89·2
	25	86·2	88·6	87·1	86·1	82·0	78·3	79·8	78·0	78·0	77·6	78·0	79·0
	26	82·6	82·6	82·6	84·2	82·7	82·5	82·5[a]	83·8	86·1	82·7	84·4	84·2
	27	78·2	77·6	77·0	76·3	73·2	69·8	70·1	69·4	71·2	74·2	70·5	71·2
	28	74·1	74·1	73·7	73·7	71·6	69·2	66·4	67·0	67·4	69·2	70·3	78·0
	29	71·5	73·1	72·1	70·2	66·0	64·3	62·6	62·5	62·9	63·0	64·9	67·5
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	69·5	69·8	69·0	68·1	67·3	63·5	63·3	63·5	63·9	63·7	63·8	63·8
Hourly Means		85·54	86·37	86·09	84·06	82·83	81·44	81·42	81·63	81·95	82·02	81·57	82·36

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

MARCH.	1	44·6	44·6	44·6	46·0	47·2	47·4	47·5	47·8	48·0	48·4	49·2	49·6
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	46·6	46·6	46·0	45·8	45·6	45·8	45·8	45·8	45·9	46·3	46·3	46·0
	4	45·2	44·2	44·6	45·4	46·3	47·0	47·2	47·1	47·7	48·4	48·9	49·0
	5	47·0	46·6	46·2	45·8	45·8	46·1	46·6	46·9	47·0	47·6	48·2	48·4
	6	46·0	46·0	46·1	47·0	48·4	48·9	48·6	48·7	49·0	50·0	50·4	50·1
	7	46·8	47·0	47·4	48·2	48·8	49·2	49·5	49·8	50·1	50·1	50·0	50·0
	8	50·8	50·6	50·8	50·6	51·0	51·6	52·6	53·9	54·1	54·3	54·6	54·4
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	44·6	44·0	44·0	44·2	44·6	45·2	45·6	46·1	46·6	46·8	47·5	47·8
	11	45·6	45·4	45·6	46·2	46·9	47·4	47·8	48·4	48·4	49·0	49·5	49·6
	12	46·8	46·2	46·2	47·0	47·4	48·2	48·2	48·2	49·5	49·4	49·8	49·5
	13	47·6	47·2	47·2	48·0	47·9	48·6	49·0	49·6	50·1	50·5	51·3	51·7
	14	49 0	48·6	48·0	47·8	48·2	48·8	49·2	49·6	49·8	49·7	49·9	49·5
	15	41 8	41·4	40·8	40·6	40·6	40·6	40·6	40·4	46·1	40·2	40·2	40·0
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	39·0	39·2	39·6	39·8	40·6	40·8	41·8	42·3	42·9	43·0	43·3	43·4
	18	41·4	40·9	40·6	40·6	41·0	41·4	41·7	42·2	42·2	42·2	42·4	42·0
	19	39·9	39·9	40·0	39·8	39·8	40·0	40·0	40·0	40·4	40·4	40·8	40·9
	20	42·6	41·8	42·1	41·8	42·6	43·8	44·1	44·4	44·0	44·0	44·2	44·0
	21[b]	—	—	—	—	—	—	—	—	—	—	—	—
	22	41·0	41·5	42·4	43·4	44·2	44·8	45·2	45·8	45·8	46·2	47·2	47·8
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	45·0	45·3	45·3	45·5	46·0	46·0	46·6	46·8	47·4	47·6	48·0	48·2
	25	47·6	47·0	47·0	47·6	48·4	49·2	49·4	49·6	50·0	50·5	50·5	51·0
	26	49·0	49·0	49·0	49·3	49·3	49·5	49·9	49·9	50·0	50·3	51·0	51·3
	27	51·5	51·3	51·5	52·2	53·2	54·1	54·5	55·3	56·0	56·4	56·4	57·0
	28	53·3	52·8	52·8	53·0	53 3	54·0	54·3	55·0	55·6	55·4	55·7	56·1
	29	53·0	53·0	53·3	54·4	54·6	55·8	56·6	56·7	57·3	58·5	59·2	59·3
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	56·4	56·0	56·0	55·3	56·0	57·1	57·4	58·1	58·2	58·5	58·7	59·0
Hourly Means		46·48	46·24	46·28	46·61	47·11	47·64	47·99	48·34	48·64	48·95	49·33	49·40

[a] Four minutes late.

[b] Good Friday.

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div	Sc. Div.	Sc. Div.
81·6	81·6	81·4	81·4	82·0	82·0	—	—	—	—	—	—	83·78
—	—	—	—	—	—	88·0	83·2	85·7	88·5	88·5	87·3	
88·1	88·6	87·9	87·6	88·6	89·0	89·6	89·0	88·6	88·4	89·3	89·3	87·90
83·5	83·5	83·5	83·6	83·5	83·7	83·7	84·5	84·7	84·7	84·2	83·9	84·69
80·8	81·5	81·9	82·2	82·6	83·1	83·9	83·9	85·2	85·3	86·2	86·2	84·13
79·2	82·0	82·3	82·3	82·4	84·2	84·2	84·2	84·8	84·8	84·4	85·2	82·84
80·4	79·3	79·3	79·3	78·7	78·7	78·7	77·8	76·0	78·9	78·3	78·7	79·82
71·7	71·8	71·8	73·3	74·2	74·2	—	—	—	—	—	—	76·96
—	—	—	—	—	—	84·0*	83·7	83·3	85·6	88·3	86·4	
83·6	83·6	83·6	83·5	83·7	84·3	84·7	85·6	85·5	85·7	85·7	86·9	85·44
79·1	81·5	81·9	83·4	83·4	83·4	83·7	83·6	83·4	84·9	84·9	84·9	82·68
78·5	79·5	80·1	80·1	79·8	81·8	82·0	81·6	81·6	74·0	77·3	79·1	80·84
75·9	76·4	78·8	78·8	79·4	79·3	80·2	79·4	74·5*	69·9	69·6	77·6	77·57
82·9	84·7	84·7	85·4	84·1	85·7	86·5	84·2	86·1	85·7	86·4	90·3	82·55
98·2	97·4	98·7	97·4	96·6	93·7	—	—	—	—	—	—	96·23
—	—	—	—	—	—	97·8	98·0	101·0	101·0	98·2	99·0	
93·3	93·9	92·9	93·2	95·1	95·1	95·1	91·9	94·3	95·0	98·6	97·6	94·58
97·2	97·1	97·2	97·3	99·5	98·4	94·3	94·3	94·0	99·0	99·0	98·8	96·40
98·0	95·0	94·9	89·1	91·3	90·5	79·5	82·1	89·5	90 6	90·1	92·9	94·10
91·0	93·3	93·0	93·0	95·7	93·3	—	—	—	—	—	—	91·56
—	—	—	—	—	—			88·8	94·0	94·4	94·4	
91·6	85·7	85·9	85·7	82 6	87·0	—	—	—	—	—	—	87·57
—	—	—	—	—	—	79·7	90·3	87·9	87·9	86·2	86·2	
89·2	96·0	96·0	97·5	91·1	91·1	85·3	84·1	84·7	84·7	86·7	87·1	88·10
80·3	84·1	81·9	81·9	81·9	81·9	81·3	81·4	80·3	83·6	82·0	82·5	81·74
80·8	82·4	78·0	74·8	78 5	78·4	61·5	74·4	77·0	76·0	76·0	78·9	80·02
70·5	70·4	69·3	71·5	71·3	71·8	70·8	72·9	73·0	74·4	74·1	74·1	72·62
69·7	69·5	70·0	71·5	71·5	71·5	71·2	71·2	69·5	69·5	62·9	66·3	70·38
67·9	63·0	63·4	63·4	63·4	63·7	—	—	—	—	—	—	66·58
—	—	—	—	—	—	67·4	69·0	68·6	69·2	69·4	68·8	
64·0	63·0	63 0	64·3	64·3	64·3	64·1	65·4	67·6	64·3	64·6	64·3	65·06
81·96	82·39	82·46	82·46	82·61	82·80	81·68	82·15	83·02	83·42	83·41	84·27	82·94

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
49·5	49·5	49·5	49·6	49·1	48·7	—	—	—	—	—	—	47·34
—	—	—	—	—	—	46·0	46·0	45·6	45·6	45·6	46·5	
46·0	46·1	46·3	46·0	45·4	45·2	45·0	45·4	45·4	45·6	45·2	44·6	45·78
48·5	48·4	48·4	49·0	48·8	49·0	49·0	47·6	47·6	47·6	47·6	47·6	47·50
48·4	48·8	48·8	48·8	48·6	48·4	48·2	48·0	47·6	47·3	47·1	46·5	47·45
50·0	49·6	49·5	49·0	48·6	48·0	47·8	47·8	47·4	47·4	47·4	47·2	48·27
50·3	50·5	50·3	50·3	50·6	50·8	50·7	50·5	50·5	50·3	50·3	50·3	49·68
54·2	54·2	53·7	53·7	53·3	53·0	—	—	—	—	—	—	51·08
—	—	—	—	—	—	45·8	45·8	46·0	46·0	46·2	44·8	
47·8	47·6	47·6	48·0	48·0	47·8	47·6	46·6	45·8	45·5	45·4	45·6	46·26
49·2	49·6	49·6	48·4	48·2	48·0	47·6	47·6	47·4	47·0	47·0	46·6	47·75
49·5	49·4	49·0	49·6	49·4	49·0	48·8	48·6	48·6	48·2	48·1	47·8	48·43
51·5	51·3	50·7	50·1	49·9	49·5	49·4	49·5	49·1	48·8	48·8	49·0	49·43
49·5	49·0	48·0	47·4	46·6	45·6	45·0	43·9	43·7	43·4	42·0	42·0	47·26
49·0	40·0	40·0	40·2	49·2	40·0	—	—	—	—	—	—	39·89
—	—	—	—	—	—	37·8	37·8	38·0	38·2	38·6	39·2	
43·0	43·3	43·0	42·6	42·0	42·0	42·0	42·4	42·6	42·0	42·0	41·4	41·83
41·6	41·5	40 8	40·8	40·6	40·3	40·3	40·0	39·9	39·9	39·9	39·9	41·00
41·4	42·2	42·3	42·1	42·4	43·1	43·1	43·0	42·6	42·4	42·6	42·6	41·32
44·0	43·6	43·6	43·6	44·0	43·8	—	—	—	—	—	—	43·02
—	—	—	—	—	—	—	—	41·0	40·8	41·4	41·3	
47·8	47·4	46·8	46·8	46·8	46·5	—	—	—	—	—	—	45·27
—	—	—	—	—	—	45·0	44·8	44·8	44 8	44·8	45·0	
48·2	48·0	48·0	47·7	48·0	48·4	48·1	47·8	47·8	47·6	47·0	47·6	47·16
51·1	51·0	50·6	50·3	50·3	50·3	50·3	50·7	50·5	50·7	50·4	49·4	49·73
51·5	51·5	51·5	51·9	51·9	51·8	52·0	52·0	51·6	51·8	51·6	51·6	50·76
57·0	57·0	56·2	55·3	54·5	54·3	54·2	54·0	53 8	53·7	53·5	53·2	54·42
56·1	55·6	55·7	55·3	54·8	54·7	54·3	54·0	54 0	54·1	53·6	53·6	54·47
58·8	59·4	59·2	59·3	59·1	58·8	—	—	—	—	—	—	56·82
—	—	—	—	—	—	56·3	56·3	56·3	56·2	56·0	56·2	
59·0	59·0	59·0	59·0	59·0	58·7	58·5	58·6	59·0	58·6	58·6	58·3	58·00
49·36	49·35	49·12	48·99	48·80	48·63	48·03	47·86	47·46	47·34	47·23	47·11	48·01

* Twelve minutes late.

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah^t. = ·00007.

Mean Göttingen Time.		0^h.	1^h.	2^h.	3^h.	4^h.	5^h.	6^h.	7^h.	8^h.	9^h.	10^h.	11^h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
APRIL.	1	64·5	65·5	67·6	69·3	70·7	72·0	72·0	72·0	74·1	73·5	73·5	74·7
	2	80·2	80·6	79·1	76·0	69·3	74·9	74·9	75·0	75·2	76·2	76·2	75·2
	3	77·1	84·0	80·5	81·1	81·1	79·7	79·7	82·5	82·5	83·5	81·3	80·8
	4	81·2	79·0	77·6	76·8	77·2	77·2	77·7	77·9	78·2	79·3	78·9	79·6
	5	85·4	85·0	85·5	85·5	84·0	82·4	83·3	85·4	85·0	85·0	85·0	86·0
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	92·0	92·6	95·2	94·2	94·2	93·6	92·0	89·7	89·7	88·8	88·2	88·1
	8	96·8	96·6	95·7	95·8	95·2	93·9	93·9	91·1	92·6	92·6	92·6	92·6
	9	95·5	95·5	94·1	89·9	88·6	86·3	84·5	84·5	84·5	85·3	85·3	86·3
	10	84·2	81·5	80·9	78·3	76·1	74·9	74·5	75·3	77·3	77·2	78·7	78·7
	11	82·2	82·9	83·9	83·9	80·9	79·6	78·8	78·4	78·9	78·4	79·5	79·2
	12	85·5	85·2	80·8	79·1	77·1	75·2	73·9	73·2	73·2	73·2	73·2	72·4
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	77·0	73·2	70·3	72·5	71·5	69·9	70·7	70·8	75·6	73·1	69·8	71·4
	15	72·9	72·9	68·6	68·4	64·1	63·7	64·7	65·6	65·6	66·0	64·7	63·5
	16	69·1	69·1	69·5	65·8	69·8	69·4	69·9	70·4	72·3	72·3	72·3	72·3
	17	69·7	71·5	71·0	70·6	69·5	67·6	66·0	67·8	69·6	70·8	71·7	72·0
	18	70·7	70·7	69·8	68·9	71·0	68·7	67·8	67·3	69·3	72·8	75·7	72·8
	19	71·0	70·6	69·9	69·2	67·2	65·9	67·2	68·6	73·1	74·5	74·5	74·1
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	73·0	73·0	73·0	71·4	69·8	68·2	67·3	67·9	65·5	69·8	70·7	70·6
	22	75·0	73·0	70·9	69·1	66·8[b]	65·3	66·3	67·0	68·1	67·6	66·9	67·3
	23	64·6	65·9	64·5	63·5	61·9	59·5	58·1	58·0	57·2	60·8	56·3	58·7
	24	54·1	55·2	55·0	55·6	54·1	55·7	53·6	51·5	50·7	48·8	50·0	51·5
	25	57·0	56·0	56·1	58·3	60·9	63·0	63·0	65·4	65·4	68·4	68·4	68·4
	26	66·7	66·7	64·3	64·1	63·0	62·0	62·0	61·5	64·3	63·1	61·9	60·3
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	66·4	63·4	63·9	63·7	63·7	62·4	62·2	62·0	63·4	62·3	60·7	59·9
	29	61·6	61·5	59·5	58·6	58·5	58·5	58·5	57·9	57·9	56·8	56·2	56·2
	30	63·6	64·1	64·1	61·5	59·4	58·7	57·4	57·0	59·3	58·4	59·9	60·6
Hourly Means		74·50	74·43	73·51	72·74	71·75	71·09	70·77	70·91	71·90	72·25	72·00	72·05

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
APRIL.	1	58·0	57·3	56·5	55·3	54·6	54·2	53·6	53·4	53·4	52·8	52·6	52·6
	2	49·5	49·6	49·7	50·3	51·2	51·7	52·2	52·2	52·2	52·2	52·2	52·6
	3	47·3	47·4	47·8	48·2	48·6	49·1	49·4	49·8	50·0	50·0	50·6	50·0
	4	48·6	49·4	49·4	50·0	49·7	49·9	50·3	50·5	50·5	50·5	50·5	50·5
	5	46·8	46·8	46·9	46·6	47·0	47·0	47·6	47·6	47·6	47·6	47·3	46·6
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	41·8	41·4	41·0	41·3	41·5	41·8	42·6	43·2	43·9	44·2	44·8	45·0
	8	40·6	40·6	40·8	40·1	40·0	40·0	40·2	40·5	40·5	41·0	42·0	42·2
	9	40·7	40·6	41·2	42·8	43·5	44·2	44·6	45·3	45·8	46·6	46·6	46·8
	10	47·6	48·5	48·5	49·2	49·5	50·4	50·9	51·0	51·0	51·0	51·2	51·2
	11	49·0	48·6	47·8	47·4	48·2	48·6	48·8	49·4	49·6	50·0	50·5	50·9
	12	47·5	47·6	48·4	49·6	50·0	50·5	51·3	51·6	52·0	52·3	52·8	53·3
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	52·2	53·1	53·5	53·8	54·3	55·5	55·7	55·7	56·4	56·5	57·2	58·4
	15	53·2	53·9	54·1	55·0	56·0	56·5	57·0	57·4	58·1	58·8	59·2	59·2
	16	55·4	55·0	54·3	54·4	54·3	54·8	54·8	54·8	54·5	54·6	54·5	54·3
	17	53·3	53·7	53·7	53·0	53·1	53·3	53·5	54·0	53·9	53·8	53·9	53·6
	18	53·3	53·0	53·0	53·2	53·5	54·0	54·3	54·8	54·7	54·7	55·0	55·5
	19	55·3	55·1	55·0	54·8	55·1	55·3	55·5	56·0	55·8	55·8	55·8	56·0
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	53·1	53·3	53·3	53·5	53·8	54·2	54·4	54·7	55·0	55·2	55·6	55·5
	22	53·2	53·5	54·3	55·3	56·4	56·7	57·0	57·3	57·2	57·9	58·0	58·6
	23	57·0	57·3	57·5	58·0	59·0	60·1	60·1	61·4	61·3	61·6	61·7	61·7
	24	62·6	62·3	61·9	62·1	62·6	63·6	63·8	64·4	64·8	65·6	65·6	65·4
	25	59·4	58·8	59·2	58·3	58·3	58·3	58·3	58·3	58·3	58·3	58·3	58·6
	26	56·6	56·5	56·8	57·2	57·6	58·0	58·4	58·8	59·2	59·5	59·7	60·0
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	57·5	57·7	58·0	57·8	57·8	59·0	59·5	59·6	60·2	61·0	61·4	62·0
	29	59·0	59·2	59·4	59 8	60·4	60·6	60·6	61·0	61·2	61·6	61·6	61·8
	30	58·6	58·3	58·3	59·0	59·0	59·9	60·0	60·1	60·8	61·0	61·4	61·8
Hourly Means		52·20	52·25	52·32	52·54	52·88	53·35	53·63	53·95	54·15	54·39	54·62	54·77

[b] Two minutes late.

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah^t. = ·00007.

12^h.	13^h.	14^h.	15^h.	16^h.	17^h.	18^h.	19^h.	20^h.	21^h.	22^h.	23^h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
74·7	74·7	74·7	74·5	70·6	69·7	75·4	78·0	78·0	80·1	80·2	80·2	73·34
74·4	74·3	74·4	76·2	76·8	76·9	76·7	78·2	74·9	78·8	79·0	77·2	76·32
81·0	81·6	82·5	82·5	82·5	82·7	80·7	82·4	82·4	83·3	81·7	81·4	81·60
79·6	80·7	80·7	81·7	81·7	82·0	82·0	82·2	82·9	83·6	84·4	83·7	80·24
86·0	84·5	86·5	86·5	86·0	88·4	—	—	—	—	—	—	86·38
—	—	—	—	—	—	88·4	88·3	87·5	89·6	91·8	92·0	
88·8	90·0	91·3	90·1	92·2	92·3	90·4	90·6	91·3	90·6	94·0	96·4	91·51
91·3	91·2	92·1	92·1	92·1	93·1	93·8	92·9	94·7	94·7	95·5	95·5	93·68
86·5	85·9	84·9	84·9	88·4	85·5	84·0	85·5	85·5	85·5	84·0	84·8	86·90
79·9	80·5	80·5	79·6	79·6	79·5	79·5	80·6	80·6	80·6	80·6	82·0	79·17
79·2	79·2	78·6	79·6	80·3	80·7	79·8	80·1	80·8	80·2	81·3	84·1	80·44
73·5	74·1	74·1	73·4	74·0	73·9	—	—	—	—	—	—	75·45
—	—	—	—	—	—	77·0	75·2	72·9	72·1	75·1	73·4	
68·0	65·7	67·2	68·0	67·1	65·1	64·1	63·0	68·5	69·7	72·0	72·0	69·84
63·9	62·5	63·1	64·1	58·8	63·8	64·1	64·1	62·1	62·1	66·3	67·3	65·12
73·3	72·5	73·7	73·5	73·5	71·3	71·3	71·3	71·3	71·3	71·4	71·3	71·16
72·0	72·5	72·5	72·3	72·3	72·3	73·3	73·0	70·6	71·4	69·5	70·7	70·84
72·8	72·5	75·1	74·8	66·9	68·4	70·4	70·0	69·6	69·6	70·4	71·0	70·71
74·1	74·2	69·6	67·7	67·7	67·7	—	—	—	—	—	—	70·61
—	—	—	—	—	—	64·6	71·7	73·7	72·5	72·4	72·5	
69·7	69·7	68·9	69·9	64·9	65·8	69·6	69·6	65·4	65·4	71·6	75·0	69·40
66·2	66·2	64·9	65·6	65·4	65·4	61·6	64·8	64·8	63·3	63·3	65·8	66·83
57·9	53·4	54·0	54·8	54·5	53·9	54·0	52·3	53·0	50·0	53·0	53·4	57·22
51·5	52·0	52·7	52·7	52·6	53·2	53·2	48·4	44·1	53·0	55·2	56·6	52·54
68·3	67·0	66·3	65·4	66·1	66·1	65·2	61·0	64·3	67·0	67·0	66·8	64·20
60·3	59·3	58·3	59·7	58·6	59·6	—	—	—	—	—	—	62·63
—	—	—	—	—	—	54·6	64·8	65·0	65·0	61·7	66·4	
59·0	59·0	58·4	57·2	57·7	57·7	58·8	58·8	57·9	59·6	61·1	61·6	60·87
56·2	55·7	56·3	57·3	58·1	58·6	59·4	62·5	58·5	57·5	59·4	61·9	58·46
65·2	68·9	74·6	42·3	57·5	62·1	56·6	59·9	57·3	56·9	57·0	59·0	60·05
72·61	71·84	72·15	71·02	71·00	71·37	71·60	71·89	71·45	72·07	73·04	73·92	72 14

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
52·6	52·6	52·5	52·3	52·2	52·3	52·0	50·4	49·3	49·6	49·5	49·5	52°90
52·4	52·4	52·6	51·5	51·2	50·8	50·5	50·3	49·5	49·5	49·0	48·0	50·97
49·7	49·5	49·5	49·5	49·2	48·6	48·2	47·9	47·5	48·0	48·5	48·6	48·85
50·1	49·9	49·5	49·4	49·0	48·6	48·6	48·4	48·2	47·7	47·7	47·4	49·35
46·6	46·0	46·0	45·8	45·6	45·2	—	—	—	—	—	—	45·79
—	—	—	—	—	—	43·5	43·5	43·1	43·0	42·9	42·3	
45·0	44·6	44·4	44·6	43·7	43·2	43·0	42·8	42·4	42·0	41·6	41·0	42·95
42·6	43·6	43·6	43·8	43·0	42·6	42·0	41·8	41·6	41·4	41·6	41·6	41·57
47·2	46·8	46·8	46·8	46·6	46·6	47·6	46·6	46·8	47·1	47·3	47·5	45·52
50·7	50·3	50·1	49·6	49·5	49·5	49·4	49·4	49·4	49·4	49·4	49·1	49·82
51·4	51·4	50·7	50·0	49·5	49·5	49·5	48·8	49·0	49·3	48·6	48·3	49·37
53·3	53·2	53·2	53·2	53·2	53·2	—	—	—	—	—	—	51·99
—	—	—	—	—	—	54·0	54·2	54·0	53·8	53·0	52·5	
59·5	59·5	58·8	58·0	57·8	57·0	56·8	56·0	55·5	55·1	54·5	53·7	56·02
59·5	59·5	59·2	59·3	59·2	58·7	58·2	57·8	57·7	57·3	56·6	55·8	57·38
54·3	54·2	53·9	53·5	53·6	53·5	53·7	53·6	53·6	53·6	53·3	54·0	54·19
54·2	53·6	53·6	53·5	53·5	53·5	52·8	52·8	53·0	53·6	53·8	53·5	53·50
55·0	55·0	54·5	54·8	55·0	55·2	55·2	54·7	54·7	54·8	54·8	55·3	54·50
56·0	56·2	56·6	56·3	56·3	56·3	—	—	—	—	—	—	55·03
—	—	—	—	—	—	52·5	52·5	52·7	53·2	53·5	53·3	
55·5	55·5	55·3	55·5	55·5	54·8	54·7	54·1	53·7	53·8	53·6	53·0	54·44
58·6	58·5	58·5	58·0	57·8	58·0	57·8	57·8	57·8	57·6	57·3	57·4	57·10
62·1	62·8	63·2	63·0	63·0	63·3	62·6	62·8	62·8	62·6	62·8	63·6	61·30
64·8	64·6	64·6	65·0	64·6	64·6	64·6	63·0	62·4	62·2	61·4	60·5	63·62
58·6	58·6	58·2	57·7	57·3	57·3	57·1	57·7	57·3	56·9	57·0	56·6	58·03
60·4	60·5	60·6	60·6	60·6	60·6	—	—	—	—	—	—	58·95
—	—	—	—	—	—	60·0	59·5	59·0	58·7	58·4	57·5	
62·1	62·1	62·5	62·2	61·6	61·4	61·0	60·6	60·2	60·0	59·6	59·5	60·18
61·6	61·2	61·2	61·2	60·8	60·8	60·4	60·0	60·0	60·2	59·6	59·3	60·52
61·8	61·4	62·0	62·4	61·3	62·0	62·0	61·4	61·2	61·0	61·0	61·2	60·75
54·83	54·75	54·67	54·52	54·29	54·11	53·76	53·40	53·19	53·13	52·93	52·69	53·64

Three minutes late.

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
MAY.	1	58·6	56·5	52·9	51·3	49·3	49·8	51·7	52·7	53·0	53·6	50·9	51·8
	2	59·9	58·4	56·4	56·0	54·7	54·7	56·5	59·2	59·6	59·7	58·5	57·9
	3	63·2	61·4	60·2	59·3	58·4	58·4	57·3	57·4	57·2	57·2	57·9	57·4
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	69·3	68·6	67·9	65·8	64·2	64·6	64·8	67·3	68·2	68·2	66·7	65·4
	6	72·4	70·7	69·0	67·9	64·8	63·6	62·9	65·4	64·4	65·7	64·0	63·7
	7	70·8	71·3	70·7	70·7	68·9	68·9	68·9	68·9	70·8	69·9	69·9	68·1
	8	75·4	72·9	68·8	68·5	66·2	67·0	69·5	66·4	66·7	70·3	69·2	68·9
	9	70·0	67·7	65·7	64·0	62·3	60·3	60·9	61·0	63·2	62·9	61·3	61·0
	10	67·2	65·4	62·0	61·0	59·4	59·4	59·4	58·4	58·6	57·4	56·6	55·3
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	52·9	51·9	50·0	45·3	44·0	42·1	40·3	39·9	38·3	39·1	40·0	39·0
	13	44·5	45·0	44·0	41·8	40·3	39·0	37·5	37·5	37·5	36·8	36·8	39·8
	14	43·1	42·0	43·0	42·9	41·8	42·6	44·8	43·3	42·5	43·1	46·9	46·9
	15	54·1	54·7	56·5	58·0	59·0	56·7	57·7	59·0	61·7	63·7	67·0	65·3
	16	65·0	61·5	60·6	60·3	61·0	59·6	62·5	62·5	63·7	65·3	64·7	64·7
	17	70·2	67·7	63·9	62·0[a]	58·9	57·6	56·4	56·4	56·4	57·8	57·8	60·1
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	57·5	53·9	51·4	50·2	50·2	48·7	49·7	52·3	53·4	53·4	52·5	54·0
	20	59·0	56·8	54·3	54·2	53·5	53·0	51·4	51·1	54·2	54·6	54·5	54·5
	21	65·0	63·1	59·3	58·9	60·9	59·3	59·7	59·7	60·3	60·5	59·6	59·7
	22	64·7	64·5	66·1	64·7	63·2	63·3	63·5	66·5	69·3	70·5	72·5	69·3
	23	69·9	68·3	65·5	64·5	61·2	60·4	60·4	59·1	59·8	60·2	61·0	63·5
	24	64·8	65·8	65·3	63·6	60·8	58·7	61·0	63·3	63·9	63·5	63·5	63·5
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	67·7	67·5	60·5	59·1	59·1	58·0	57·0	55·0	54·2	54·1	52·9	52·9
	27	56·9	56·9	55·0	53·3	51·1	49·0	47·0	46·5	45·4	46·3	46·7	48·5
	28	52·1	52·6	53·9	54·5	51·7	50·6	49·4	48·3	50·3	49·3	48·7	48·7
	29	64·7	65·5	65·6	64·3	64·1	62·6	59·8	60·9	64·4	66·3	66·3	66·0
	30	73·5	73·5	72·8	70·1	66·5	63·1	64·4	68·8	71·3	72·5	73·2	71·3
	31	47·8	51·4	50·5	51·6	51·6	56·4	60·0	62·0	62·5	60·9	61·6	62·0
	32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		62·23	61·36	59·70	58·66	57·30	56·57	56·83	57·36	58·20	58·62	60·82	60·66

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
MAY.	1	61·0	61·6	62·6	62·4	63·0	63·6	63·6	64·0	64·2	64·8	65·6	66·3
	2	60·2	60·8	60·8	60·8	60·4	60·0	60·0	60·0	60·2	60·4	61·2	61·4
	3	58·0	59·2	59·2	59·8	59·4	59·8	60·8	60·8	61·0	61·0	61·4	61·4
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	55·0	55·2	55·6	55·5	55·7	55·7	55·7	56·4	56·2	56·3	57·0	57·0
	6	53·0	53·5	54·3	55·1	55·8	56·2	56·3	56·5	57·3	57·9	58·3	59·0
	7	54·5	54·3	54·3	53·5	53·5	53·8	54·2	54·3	54·5	55·3	56·0	56·3
	8	51·8	52·3	53·5	53·5	54·3	54·3	53·3	53·4	53·8	54·4	55·0	55·0
	9	53·3	53·3	55·0	57·0	57·2	57·5	57·9	58·0	58·0	58·3	59·0	59·5
	10	56·0	56·8	57·2	57·6	58·5	59·2	59·6	60·0	60·2	61·0	61·0	60·6
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	63·0	63·6	64·0	65·4	66·8	67·6	68·4	68·6	69·5	70·0	70·0	70·4
	13	66·6	66·6	67·0	67·6	67·8	68·6	69·8	70·0	70 7	71·4	71·4	71·3
	14	66·3	66·6	66·4	66·2	66·4	66·5	66·5	66·8	67·2	66·8	66·7	66·8
	15	61·0	60·4	59·0	58·6	58·3	57·2	57·4	57·4	57·6	57·8	57·8	58·9
	16	54·1	54·6	54·9	55·3	56·0	56·2	56·0	56·5	56·5	57·3	57·5	57·6
	17	54·5	55·2	56·0	56·7	57·3	58·3	58·7	58·7	59·3	60·0	60·2	60·2
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	60·3	61·3	61·6	61·8	62·4	63·2	63·4	63·6	63·8	63·8	63·6	63·8
	20	60·0	60·6	60·8	60·4	60·6	61·0	61·0	61·5	61·6	61·6	62·0	62·0
	21	57·2	57·2	58·0	58·3	58·5	59·1	59·2	59·2	59·3	59·8	60·2	61·2
	22	56·5	56·1	55·9	55·5	55·6	56·0	56·5	56·5	56·5	56·5	56·5	56·3
	23	53·6	54·6	55·1	56·1	56·9	57·3	58·0	58·0	58·3	59·1	59·5	59·6
	24	56·0	56·0	56·0	55·7	55·9	56·2	56·3	56·6	57·0	57·3	57·3	57·0
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	54·8	54·5	55·5	56·2	58·0	58·6	59·4	59·6	61·6	61·8	62·8	62·6
	27	60·5	60·5	60·5	61·2	62·0	62·8	63·4	63·6	64·2	64·8	65·2	63·0
	28	62·6	62·4	62·4	61·6	62·0	62·8	62·8	63·4	63·4	63·7	64·4	64·0
	29	55·8	55·5	54·7	54·8	54·7	55·1	55·3	55·3	55·3	55·6	55·8	56·2
	30	52·2	52·0	52·7	53·4	54·3	54·5	54·5	54·7	54·7	55·2	55·9	56·9
	31	55·3	55·8	56·3	56·8	57·9	58·6	58·8	59·2	59·1	60·0	60·7	61·4
	32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		57·52	57·80	58·12	58·38	58·86	59·25	59·51	59·73	60·04	60·44	60·81	61·06

[a] Five minutes late.

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah^t. = ·00007.

12^h.	13^h.	14^h.	15^h.	16^h.	17^h.	18^h.	19^h.	20^h.	21^h.	22^h.	23^h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
49·9	49·8	51·6	51·6	51·6	51·6	52·6	54·0	55·0	56·5	57·1	59·3	53·05
55·0	55·4	55·4	56·7	58·1	59·4	58·9	59·8	60·0	60·8	61·7	62·0	58·08
56·3	56·9	56·6	55·8	57·5	56·0	—	—	—	—	—	—	
—	—	—	—	—	—	63·9	64·2	64·6	65·7	67·7	69·0	59·98
64·7	64·7	66·0	66·0	66·4	66·9	67·5[b]	69·1	68·8	69·8	69·4	72·4	67·20
63·1	63·9	63·6	63·8	64·4	64·2	64·9	66·5	67·1	67·1	67·1	70·6	65·87
66·1	67·1	67·0	68·3	69·3	70·2	70·2	74·0	70·1	73·0	72·4	72·4	69·91
69·6	70·9	70·6	69·7	69·3	68·9	68·9	69·1	69·6	64·5	68·3	70·4	69·15
59·5	58·9	60·6	60·0	62·0	62·1	62·1	63·8	63·8	65·1	66·0	66·4	62·93
55·3	54·7	54·7	55·1	55 8	56·3	—	—	—	—	—	—	
—	—	—	—	—	—	49 3[c]	49·2	49·7	47·6	49·4	51·8	56·21
37·6	37·6	38·2	38·4	37·3	39·2	37 5	40·5	40·5	40·8	42·6	44·1	41·56
39·8	40·3	39·0	37·3	38·7	40·3	36·1	40·6	42·9	44·0	44·0	44·0	40·31
45·5	44·9	45·3	42·6[b]	44·6	44·6	44·0	42·2	42·0	49·0	51·1	53·7	44·68
64·2	63·2	64·0	64·9	64·9	64·9	64·9	66·3	67·1	67·1	66·3	62·7	62·28
63·9	63·9	63·9	64·7	65·6	65·9	66·7	67·6	67·5	67·5	70·1	71·0	64·57
58·5	60 3	59·4	64·8	61·0	61·0	—	—	—	—	—	—	
—	—	—	—	—	—	54·8	54·7	54·2	56·3	59·1	58·8	59·25
54·0	52·9	53·0	53·0	53·0	53·9	53·9	54·8	55·5	54·8	58·0	59·0	53·48
54·5	57·4	59·9	59·9	59·0	49 0	49·0	57·2	60·4	62·2	63·9	64·6	56·17
58·8	58·8	60·5	57·2	58·4	56·6	58·0	60·5	62·1	62·5	64·3	64·3	60·33
67·7	65·4	65·4	66·4	66·6	65·8	64·3	64·0	65·7	67·6	67·3	68·6	66·38
59·5	59·2	57·9	58·5	58·5	59·5	60·4	62·2	63·5	54·7	54·7	59·6	60·79
64·4	64·4	64·0	64·4	66·6	66·5	—	—	—	—	—	—	
—	—	—	—	—	—	67·7	67·7	68·6	68·4	68·5	67·7	64·86
48·7	48·4	46·5	49·5	49·5	50·5	49·3	50·6	52·1	52·1	52·1	55·2	54·27
46 2	45·6	45·8	45·4	46·7	46·7	48·2	—	—	—	51·8	51·9	49·09
48·7	49·5	49·4	52·5	53·6	54·8	56·3	56·8	54·9	55·0	57·6	62·9	52·59
65·7	68·2	67·6	67·9	68·7	68·6	68·9	70·4	70·5	70·8	70·8	74·9	66·81
71·6	70·3	67·3	68·1	67·8	59·0	63·5	63·3	50·9	45·1	51·5	60·5	65·83
62·0	59·0	57·0	56·1	57·1	55·0	—	—	—	—	—	—	
—	—	—	—	—	—	51·7	51·7	51·7	56·7	57·1	59·1	56·45
59·65	57·47	57·39	57·73	58·22	57·68	57·54	59·15	59·19	59·41	60·37	62·07	58·64

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
66·3	65·8	66 1	65·0	64·6	64·0	63·4	63·4	62·4	61·9	61·4	60·6	63·65
61·6	61·8	61·6	61·2	60·7	60·4	59·8	59·4	59·2	59·1	58·7	58·4	60·34
61·4	61·0	61·0	60·7	60·7	60·5	—	—	—	—	—	—	
—	—	—	—	—	—	57·3	56·5	56·3	55·6	55·3	55·7	59·32
57·0	56·8	56·5	56·3	55·8	55·3	55·2	55·0	54·9	54·5	54·1	53·2	55·66
59·0	59·0	58·2	57·9	57·5	57·5	56·6	56·2	55·3	55·0	55·0	54·8	56·47
55·9	56·3	55·8	55·0	54·3	53·8	53·3	53·0	52·8	52·6	52·3	51·8	54·28
54·8	54·3	54·3	54·3	54·9	54·3	54·4	54·3	53·5	53·7	53·5	53·2	53·92
59·6	58·6	58·3	58·3	58·5	57·8	57·8	57·2	56·5	56·5	56·3	56·1	57·30
61·1	60·8	60·8	60·7	60·6	60·0	—	—	—	—	—	—	
—	—	—	—	—	—	65·0	64·8	64·8	64·8	64·9	63·4	60·81
70·5	70·5	70·2	70·3	70·3	70·3	70·0	68·7	68·2	68·0	67·6	66·8	68·28
71·5	71·3	71·0	70·0	69·4	69·0	68·6	68·6	68·0	67·6	67·2	66·4	69·07
67·4	67·4	67·0	67·4	67·4	67·0	66·4	65·5	64·6	63 6	62·6	61·7	66·13
59·3	58·8	58·2	57·1	56·8	56·3	55·8	55·4	55·2	54·8	54·3	54·2	57·39
57·1	57·1	57·1	57·0	56·5	56·3	55·8	55·9	55·8	55·7	54·5	53·7	56·02
59·6	60·6	60·6	61·0	60·6	60·5	—	—	—	—	—	—	
—	—	—	—	—	—	61·2	61·3	61·4	60·8	60·0	59·5	59·30
63·9	63·6	63·4	63·4	63·2	62·6	62·0	61·6	61 2	60·4	60·0	59·6	62·40
61·7	61·6	61·0	60·6	60·2	59·6	59·0	58·8	58·1	57·5	56·9	56·4	60·19
62·8	62·0	61·6	61·1	60·6	60·0	59·5	58·5	58·0	57·3	57·0	56·6	59·26
56·3	56·3	56·3	56·2	55·8	55·5	55·3	55·7	55·2	55·4	54·8	53·8	55·87
60·0	60·0	59·6	59·5	59 3	58·4	58·0	57·1	56·1	55·5	55·3	55·0	57·50
57·6	57·4	57·4	56·5	55·5	55·0	—	—	—	—	—	—	
—	—	—	—	—	—	55·3	55·3	55·3	55·3	55·3	55·0	56·19
63·6	63·4	64·2	64·4	63·8	63·6	63·3	62·8	62·2	62·0	61·5	60 8	60·87
66·0	65·8	65·6	65·2	65·1	61 8	64·4	—	—	—	62·5	62·6	63·63
60·6	64·2	63·6	62·0	61·3	60·5	59·8	59·0	58·0	57·8	58·2	56·5	61·73
56·2	55·2	54·8	55·1	54·5	54·0	53·1	52·3	51·6	51·3	51·3	50·7	54·34
58·0	57·8	57·7	58·1	57·7	58 1	57·9	57·5	57·2	56·9	56·8	55·3	55·83
61·6	61·6	61·4	61·4	60·8	60·6	—	—	—	—	—	—	
—	—	—	—	—	—	62·3	61·5	60·5	60·0	59·8	59·6	59·62
61 55	61·07	60·86	60·59	60·24	59·84	59·65	59·05	58·55	58·22	58·04	57·46	59·44

[b] Three minutes late. [c] Six minutes late.

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	12h.
JUNE.	2[a]	Sc. Div. 57·8	Sc. Div. 58·0	Sc. Div. 58·2	Sc. Div. 55·5	Sc. Div. 53·8	Sc. Div. 52·7	Sc Div. —	Sc. Div. —	Sc. Div. —	Sc. Div. 126·1	Sc. Div. 124·4	Sc. Div. 122·9	Sc. Div. 122·0
	3	118·0	116·6	116·6	116·2	115·9	115·9	115·9	115·9	116·6	116·6	116·4	116·0	116·0
	4	113·7	113·1	112·7	112·5[b]	112·3	112·3	112·0	112·0	111·9	112·8	113·6	114·1	113·5
	5	110·5	110·5	110·2	110·2	109·7	109·3	109·3	109·4	110·0	110·0	110·0	109·9	109·9
	6	110·7	110·7	110·7	110·2	109·6	109·6[c]	109·6	109·6	109·6	110·1	110·3	110·3	111·0
	7	111·9	111·6	111·6	111·1	111·1	111·1	110·9	103·8	104·5	105·1	104·8	104·3	104·0
	8	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	99·6	99·1	99·1	97·7	96·8	96·7	95·4	95·2	94·7	94·7	94·5	94·1	93·6
	10	95·4	94·7	94·3	93·7	92·8	91·8	—	73·3	77·3	77·0	78·1	79·2	78·4
	11	85·5	86·3	85·9	82·7[b]	81·1	82·0	81·1	80·8	82·6	83·8	84·2	82·1	82·3
	12	85·0	84·6	86·4	86·4	85·0	83·6	82·7	81·9	83·2	84·9	84·9	83·6	82·2
	13	84·1	83·5	81·9	79·9	80·6	81·3	81·3	80·4	77·8	78·7	78·7	79·0	79·0
	14	86·7	86·6	84·4	84·2	84·2	84·2	84·2	84·1	87·6	87·8	88·6	89·3	88·5
	15	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	100·6	101·2	100·7	99·4	97·0	97·5	96·1	96·8	98·6	99·2	100·4	99·8	100·3
	17	99·8	102·7	101·0	101·0	101·0	101·0	98·5	96·8	96·1	97·4	99·0	98·2	98·2
	18	95·9	99·5	97·9	96·7	94·3	93·1	93·1	93·1	91·8	91·2	89·9	90·0	90·7
	19	93·9	94·3	92·3	90·9	89·2	88·2	87·4	87·1	86·4	87·7	88·7	86·7	84·3
	20	95·0	92·6	91·9	90·9	89·2	89·2	89·2	87·1	86·9	86·5	85·4	85·4	84·6
	21	88·2	87·4	86·5	83·7	80·4	78·6	78·9	79·8	79·8	79·8	80·0	80·9	80·4
	22	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	89·9	90·0	86·4	83·2	81·0	78·3	79·5	81·2	81·8	81·8	81·3	80·1	79·7
	24	80·0	79·4	76·3	75·9	73·5	73·4	72·7	71·8	72·5	75·2	74·8	73·5	73·8
	25	74·5	73·2	74·2	71·6	74·9	74·1	75·2	76·2	77·2	77·6	79·2	79·0	78·3
	26	88·9	87·4	84·6	85·1	83·3	81·0	79·1	77·5	81·8	81·8	81·8	79·5	78·1
	27	87·9	86·0	85·2	82·5	79·5	79·2	78·9	78·2	77·4	78·3	78·3	76·6	75·9
	28	67·7	76·2	77·8	81·0	81·3	81·8	82·0	81·1	82·8	84·4	87·4	86·2	85·9
	29	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	88·1	87·5	85·1	82·8	79·6	81·0	83·6	85·2	85·8	86·9	89·5	93·1	95·5
Hourly Means		93·81	93·95	93·07	92·06	90 97	90·59	90·27	89·10	89·78	90·39	90·83	90·33	90·24

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°	°
JUNE.	2	59·6	59·6	59·4	59·2	60·8	62·0	—	—	—	64·8	65·4	66·3	67·0
	3	64·2	64·2	64·2	64·4	64·8	65·2	65·8	67·0	67·2	68·0	68·2	68·4	68·5
	4	65·5	66·0	66·6	67·4	67·6	68·6	69·0	69·5	70·0	70·5	70·5	70·7	70·7
	5	68·6	68·0	67·6	67·1	66·8	67·0	67·0	67·0	67·0	67·4	67·5	67·9	68·0
	6	63·1	63·1	63·0	63·2	63·5	63·5	63·5	63·6	63·5	63·3	63·2	62·9	62·6
	7	59·6	60·0	59·8	59·8	60·0	60·2	60·6	60·8	60·8	61·4	61·6	62·4	62·4
	8	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	68·0	68·8	69·4	69·3	69·8	70·2	70·5	71·0	71·5	72·3	72·7	73·3	73·5
	10	68·8	69·4	69·8	70·5	70·9	71·4	—	72·3	74·0	73·5	73·5	73·3	73·5
	11	68·7	68·5	68·6	68·6	68·7	69·0	69·2	69·7	70·0	70·5	71·0	71·3	72·0
	12	67·5	67·3	67·0	67·0	67·3	67·5	66·9	68·0	69·0	69·0	69·0	69·8	70·8
	13	69·0	69·5	69·5	70·4	70·2	69·7	70·2	70·2	70·8	71·0	71·6	71·9	72·0
	14	68·0	66·6	67·4	67·4	67·4	67·4	67·6	67·6	67·6	67·8	68·0	68·4	68·8
	15	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	60·0	60·2	60·4	60·6	60·6	61·4	61·6	61·8	61·6	61·4	61·4	61·4	61·0
	17	59·0	59·2	60·0	60·0	59·8	60·0	59·8	60·0	60·6	61·4	61·6	62·4	62·6
	18	61·5	60·2	60·8	61·0	61·7	62·6	63·0	63·2	63·9	64·8	64·8	65·0	65·2
	19	62·4	63·6	63·6	63·8	64·6	64·8	65·1	65·6	66·1	67·0	67·6	68·0	68·8
	20	63·6	63·6	64·0	64·0	65·1	65·6	66·3	67·0	68·4	68·6	69·0	68·8	68·1
	21	66·4	66·2	66·6	67·0	68·0	69·0	69·0	69·3	69·3	69·5	70·0	70·3	70·5
	22	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	65·0	65·4	66·2	66·6	66·8	67·6	68·3	69·0	69·4	69·7	70·5	71·3	71·5
	24	69·6	69·4	69·7	70·4	71·4	72·0	72·4	72·7	73·5	73·7	73·9	74·3	74·5
	25	70·0	69·6	69·0	71·0	70·6	71·5	71·7	70·3	70·2	70·4	70·7	71·9	71·4
	26	65·3	65·2	65·8	66·4	66·7	67·0	67·5	67·6	67·9	68·0	67·8	69·0	69·4
	27	64·8	65·4	66·0	66·6	67·3	68·0	68·4	69·0	68·8	69·6	70·0	70·6	70·7
	28	67·0	66·4	66·6	66·1	66·1	66·0	66·1	66·5	66·5	66·5	66·5	66·6	65·7
	29	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	64·1	64·4	64·6	65·0	65·2	65·6	65·6	65·8	65·9	65·7	65·8	65·6	65·7
Hourly Means		65·40	65·42	65·68	65·98	66·29	66·70	66·79	67·27	67·65	67·96	68·18	68·35	68·70

NOTE.—Instrument readjusted on the 2nd and again on the 10th.

[a] Not included in the means.

[b] Three minutes late.

VERTICAL FORCE.

One Scale Division = ·000063 parte of the V. F. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

8h.	9h.	10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
—	126·1	124·4	122·9	122·2	121·2	120·7	119·8	118·9	118·8	118·8	118·5	118·5	118·5	118·5	118·2	—
16·6	116·6	116·4	116·0	116·0	115·4	115·1	115·1	114·8	114·6	113·9	113·9	113·7	114·1	114·5	113·7	115·48
11·9	112·8	113·6	114·1	113·9	113·5	112·8	112·4	111·2	111·2	110·5	111·5	111·4	110·8	110·8	110·6	112·23
10·0	110·0	110·0	109·1	109·8	109·8	109·4	109·8	108·9	109·5	110·0	110·0	110·0	110·2	110·7	110·7	109·90
09·6	110·1	110·3	110·2	111·1	111·1	110·8	111·0	111·0	111·0	111·1	111·4	111·4	111·5	111·5	111·9	110·66
04·5	105·1	104·8	104·3	104·5	104·5	104·5	104·9	105·2	105·2	—	—	—	—	—	—	105·25
—	—	—	—	—	—	—	—	—	—	99·3	99·3	98·7	99·2	99·2	99·6	
94·7	94·7	94·5	94·4	93·9	93·4	93·4	93·3	93·6	93·6	94·0	93·8	93·2	93·2	93·2	93·2	94·99
17·3	77·0	78·1	79·2	78·4	76·1	77·1	76·5	77·8	77·8	77·8	75·4	71·4	71·4	71·7	89·5	81·24
82·6	83·8	84·2	82·3	82·5	81·2	79·9	82·0	82·0	83·7	83·7	84·0	84·0	84·0	84·0	85·0	83·10
83·2	84·9	84·9	83·8	82·2	81·2	80·7	81·3	81·0	81·0	81·9	82·4	82·4	83·4	83·4	84·6	83·25
77·8	78·7	78·7	79·0	79·0	79·2	80·6	79·7	82·1	80·9	81·1	82·3	83·5	84·0	85·5	85·5	81·28
87·6	87·8	88·6	89·3	88·1	86·9	85·6	86·6	88·0	88·8	—	—	—	—	—	—	90·00
—	—	—	—	—	—	—	—	—	—	99·7	100·1	100·1	101·2	102·4	100·7	
98·6	99·2	100·4	99·8	100·5	100·5	101·2	101·1	101·1	102·4	97·5	101·8	101·8	102·3	103·3	103·3	100·17
96·1	97·4	99·0	98·2	98·2	96·3	96·3	96·3	95·8	95·8	96·5	97·8	99·6	100·8	101·5	101·6	98·71
91·8	91·2	89·9	89·9	90·1	91·3	90·2	87·9	88·9	88·7	87·9	90·0	90·3	91·0	93·0	93·7	92·08
86·4	87·7	88·7	86·1	84·3	84·3	84·9	83·8	86·1	87·3	87·3	85·8	87·3	91·3	92·9	95·1	88·47
86·9	86·5	85·4	85·4	84·6	84·6	83·7	84·2	85·5	85·8	85·8	86·4	86·4	87·8	85·9	88·8	87·45
79·8	79·8	80·0	80·9	80·9	80·9	80·9	80·9	82·2	82·1	—	—	—	—	—	—	83·93
—	—	—	—	—	—	—	—	—	—	89·6	89·6	90·6	90·8	91·5	90·4	
81·8	81·8	81·3	80·1	79·7	79·6	75·9	76·3	76·8	76·8	78·0	76·8	78·4	78·7	76·1	79·4	80·30
72·5	75·2	74·8	73·8	73·8	73·5	73·9	73·4	73·2	73·4	73·4	73·9	74·6	75·6	77·6	77·2	74·70
77·2	77·6	79·2	79·0	78·3	78·3	77·4[b]	77·4	78·8	79·5	79·5	82·2	82·7	83·7	85·4	88·1	78·26
81·8	81·8	81·8	79·8	78·1	78·1	78·1	78·2	78·7	80·3	81·3	80·8	80·7	81·1	85·7	87·6	81·70
77·4	78·3	78·3	76·6	75·9	76·2	76·0	75·7	75·3	77·5	77·8	78·9	79·2	79·8	81·1	75·1	79·02
82·8	84·4	87·4	86·1	85·9	85·7	86·1[a]	86·1	86·1	86·3	—	—	—	—	—	—	82·83
—	—	—	—	—	—	—	—	—	—	87·1	83·5	82·7	76·3	84·4	88·1	
85·8	86·9	89·5	93·1	95·5	95·3	92·2	90·6	71·6	85·8	87·1	81·0	88·4	88·1	89·4	93·6	86·95
89·78	90·39	90·83	90·53	90·24	89·87	89·45	89·35	88·99	89·96	90·49	90·53	90·94	91·26	92·28	92·79	90·77

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
—	64·8	65·4	66·3	67·0	68·0	67·5	66·8	66·4	66·1	65·8	65·4	65·4	65·0	64·5	64·2	—
67·2	68·0	68·2	68·4	68·5	68·5	69·0	68·5	68·5	68·1	67·6	67·4	67·4	67·2	66·8	66·0	66·88
70·0	70·5	70·5	70·3	70·7	70·7	70·5	70·7	70·5	70·6	70·6	68·8	68·0	68·0	67·6	67·6	69·01
67·0	67·4	67·5	67·9	68·0	67·7	67·8	66·8	66·2	65·8	65·6	65·3	64·8	64·0	64·0	63·4	66·62
63·5	63·3	63·2	62·8	62·6	62·4	62·0	62·4	62·2	62·0	61·6	60·8	60·8	60·4	60·1	59·5	62·34
60·8	61·4	61·6	62·1	62·4	62·0	62·0	61·6	61·6	61·6	—	—	—	—	—	—	62·71
—	—	—	—	—	—	—	—	—	—	68·0	68·0	68·0	67·5	67·5	67·8	
71·5	72·3	72·7	73·3	73·5	73·5	73·5	73·0	72·5	72·5	72·0	72·1	71·8	71·6	71·0	69·0	71·37
74·0	73·5	73·5	73·5	73·5	73·5	73·5	73·1	72·5	72·1	72·0	72·0	71·6	71·0	70·4	69·3	71·83
70·0	70·5	71·0	71·5	72·0	71·5	72·0	71·0	70·6	70·2	69·8	69·0	69·0	68·7	68·5	68·0	69·76
69·0	69·0	69·0	69·0	70·8	71·4	71·4	71·2	70·8	70·6	70·3	70·0	70·0	69·6	69·1	69·7	69·22
70·8	71·0	71·6	71·8	72·0	72·0	71·5	70·6	70·6	70·1	70·0	69·6	69·0	69·0	68·4	68·2	70·20
67·6	67·8	68·0	68·4	68·8	68·8	68·6	68·2	66·8	66·4	—	—	—	—	—	—	65·88
—	—	—	—	—	—	—	—	—	—	60·6	60·6	60·6	60·4	60·0	60·0	
61·6	61·4	61·4	61·3	61·0	60·7	60·7	60·6	60·4	60·3	60·4	60·6	59·7	59·4	59·0	58·6	60·55
60·6	61·4	61·6	62·4	62·6	63·0	62·8	62·8	62·6	62·4	62·0	61·7	61·0	60·5	59·8	59·8	61·03
63·9	64·8	64·8	65·0	65·2	64·8	65·6	66·4	66·3	65·6	65·6	64·9	64·6	64·1	63·6	62·7	63·83
60·1	67·0	67·6	68·0	68·8	68·8	68·4	67·8	67·4	67·0	66·6	65·9	65·5	64·7	64·0	64·4	65·90
68·4	68·6	69·0	68·9	68·1	67·8	68·1	68·0	68·0	67·6	67·4	67·5	67·5	67·4	67·5	66·7	66·90
69·3	69·5	70·0	70·1	70·5	70·2	70·3	70·1	70·0	69·8	—	—	—	—	—	—	68·07
—	—	—	—	—	—	—	—	—	—	65·6	65·5	65·4	65·2	64·6	65·6	
69·4	69·7	70·5	71·9	71·5	71·7	71·9	71·5	71·5	71·5	71·2	71·5	70·7	70·3	71·0	69·5	69·57
73·5	73·7	73·9	74·3	74·3	74·5	74·0	74·0	73·6	73·3	73·0	72·2	71·7	71·1	70·8	70·3	72·33
70·2	70·4	70·7	71·0	71·4	71·0	71·0	70·5	70·0	69·7	68·7	68·5	67·3	66·5	66·0	65·4	69·67
67·9	68·0	67·8	69·0	69·4	69·6	69·6	69·5	69·0	68·5	67·8	68·4	68·5	68·4	68·0	65·5	67·77
68·8	69·6	70·0	70·1	70·7	71·0	71·0	71·5	71·5	70·6	70·1	69·3	68·6	68·2	68·0	67·6	68·85
66·5	66·5	66·5	66·6	65·7	66·5	66·6	66·5	66·4	66·0	—	—	—	—	—	—	66·15
—	—	—	—	—	—	—	—	—	—	66·0	65·8	65·6	65·4	65·0	94·1	
65·9	65·7	65·8	65·6	65·7	65·5	65·4	65·4	65·4	65·2	65·0	64·0	64·0	63·5	63·1	62·4	64·91
67·65	67·96	68·18	68·35	68·70	68·69	68·63	68·40	68·12	67·81	67·40	67·03	66·71	66·36	65·99	65·46	67·13

[a] Three minutes late. [b] Six minutes late. [c] Four minutes late.

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
JULY.	1	94·3	94·2	92·8	91·8	88·7	89·6	90·1	89·3	90·8	92·2	93·5	93·2
	2	85·8	84·5	84·5	84·5	86·4	88·8	86·7	84·2	84·2	84·5	86·3	86·1
	3	94·3	93·3	91·8	91·8	91·2	88·6	86·9	86·9	88·4	88·4	88·4	89·2
	4	89·8	89·8	89·6	88·7	87·3	85·8	85·8	85·8	86·3	87·8	90·9	90·9
	5	87·8	89·2	88·0	89·1	86·5	81·9	81·9	81·3	82·2	82·7	82·7	81·2
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	79·2	77·6	75·4	72·2	72·2	71·5	70·8	69·9	70·5	72·2	72·2	70·4
	8	71·3	71·3	70·8	70·3	69·5	69·4	66·2	66·2	66·2	68·3	67·8	65·0
	9	72·0	72·0	71·0	69·5	66·1	65·8	68·4	69·1	69·9	69·9	70·3	70·3
	10	78·8	76·7	76·0	76·0	73·6	70·4	69·1	68·5	68·5	69·8	69·1	69·1
	11	77·0	75·8	73·0	70·6	67·6	67·6	67·2	66·6	67·1	65·4	65·4	62·6
	12	68·1	66·3	65·1	63·9	62·0	59·3	60·0	58·8	56·8	56·2	53·8	51·5
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	51·3	50·9	52·0	50·5	48·5	46·9	47·8	47·8	45·9	44·6	45·3	45·0
	15	45·6	46·0	51·2	56·7	53·9	50·6	50·3	50·3	48·3	48·3	48·3	49·3
	16	59·3	58·5	56·9	54·8	52·0	50·4	49·6	47·2	47·8	47·8	48·2	49·1
	17	53·8	54·7	54·1	54·9	53·4	51·9	51·9	52·7	52·7	53·0	51·9	51·1
	18	62·4	64·1	61·1	62·3	60·9	60·6	60·6	60·8	62·1	58·8	58·9	58·5
	19	69·8	70·8	69·4	69·9	69·9	66·8	65·9	66·4	64·4	66·5	65·8	65·9
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	64·8	62·5	59·4	59·1	57·3	54·2	53·3	50·9	51·9	52·4	52·8	51·9
	22	62·7	61·9	60·9	60·3	58·5	58·0	57·9	57·9	59·8	60·3	60·7	60·2
	23	65·3	64·7	64·9	64·9	63·7	62·1	62·1	62·1	63·8	67·9	70·0	71·4
	24	67·6	70·1	74·1	74·7	73·8	75·1	74·4	77·7	80·2	80·1	84·3	84·4
	25	54·9	68·8	73·0	73·0	75·3	73·8	74·5	76·1	73·8	77·0	80·2	78·7
	26	79·4	78·9	75·3	73·2	73·1	71·0	72·9	69·1	67·9	66·6	67·8	67·4
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	75·3	74·6	73·5	71·5	70·3	68·0	65·6	68·3	68·6	69·6	69·6	69·2
	29	75·5	75·5	75·9	73·2	74·3	73·9	74·3	73·8	74·2	74·2	75·1	77·3
	30	76·7	75·9	74·9	75·5	76·3	76·3	75·3	76·4	80·0	80·9	81·8	79·4
	31	86·1	85·5	84·3	82·3	75·9	78·3	80·0	81·3	81·9	82·4	82·8	81·7
Hourly Means		72·18	72·37	71·92	71·30	69·93	68·76	68·50	68·35	68·67	69·18	69·77	69·3

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
JULY.	1	61·8	61·6	62·4	62·8	63·2	63·8	64·2	64·2	65·0	64·6	63·8	63·6
	2	62·6	64·0	64·4	63·8	63·8	64·0	64·4	65·0	65·3	65·6	65·6	65·1
	3	61·6	61·8	61·8	62·3	62·6	63·4	63·8	63·6	63·8	64·1	64·6	64·7
	4	63·1	63·0	62·8	62·4	62·6	63·0	63·4	63·6	63·8	64·4	64·6	65·0
	5	63·2	63·7	63·5	63·6	64·5	65·4	65·6	66·4	66·6	66·9	67·6	68·4
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	69·0	69·0	70·0	71·5	72·0	73·3	74·0	74·0	74·5	74·8	75·4	76·5
	8	72·5	72·5	73·4	73·2	73·5	73·8	74·3	75·0	75·6	76·4	77·0	76·7
	9	72·4	72·0	72·0	72·6	73·0	73·2	73·2	72·7	72·8	73·0	73·1	73·5
	10	68·4	68·6	68·6	69·0	70·0	71·0	71·5	72·0	72·5	73·0	73·4	73·0
	11	69·0	69·3	69·6	70·5	71·5	72·3	73·0	74·0	74·6	76·5	76·5	77·3
	12	73·5	73·5	74·0	75·1	75·7	77·2	78·1	78·5	78·7	79·6	80·3	82·0
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	80·8	80·7	80·5	80·1	80·5	81·3	81·5	82·2	83·0	83·2	84·0	83·6
	15	78·4	78·3	78·4	79·0	79·1	80·0	80·0	80·3	80·5	81·0	81·3	81·6
	16	76·0	76·4	77·3	78·0	78·3	79·0	79·8	81·0	81·5	82·0	82·4	82·0
	17	79·2	78·7	78·4	78·5	79·0	79·4	79·4	80·3	80·7	81·0	81·3	81·1
	18	74·7	74·5	74·4	74·7	74·8	74·9	75·0	75·4	75·6	76·0	76·4	76·3
	19	71·2	70·8	71·0	71·4	71·3	71·5	72·0	72·8	73·2	73·5	74·0	73·9
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	74·6	75·0	75·6	76·0	77·0	77·5	78·0	78·4	79·3	79·5	79·9	81·3
	22	75·2	75·5	75·5	75·5	75·7	75·7	76·0	76·0	76·2	76·4	76·4	76·0
	23	72·2	71·7	71·8	71·6	71·5	71·9	71·9	71·7	72·1	71·8	71·3	71·1
	24	71·0	68·8	68·5	68·2	68·3	68·1	68·1	68·6	68·7	69·3	69·5	70·0
	25	67·4	67·5	67·5	68·5	69·4	69·8	69·8	70·5	70·8	71·3	71·5	71·4
	26	67·8	67·8	68·7	69·3	70·2	71·0	71·5	71·5	72·0	72·5	73·0	73·1
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	69·5	69·5	69·7	70·5	70·3	70·5	70·5	71·0	71·0	71·0	71·5	72·4
	29	67·5	67·5	67·5	67·3	67·3	67·3	67·3	67·3	67·7	67·9	68·6	68·4
	30	67·8	67·5	67·5	66·8	66·6	66·4	66·4	66·8	66·8	66·8	67·0	67·0
	31	62·8	63·0	63·4	63·8	65·5	64·7	64·6	64·8	64·9	65·2	65·4	63·9
Hourly Means		70·12	70·03	70·30	70·59	71·01	71·46	71·75	72·13	72·49	72·86	73·16	73·4

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
94·6	94·6*	93·2	92·1	93·3	92·8	92·0	90·5	87·3	90·0	91·7	87·7	91·68
88·2	88·2	88·2	88·2	88·7	88·7	87·7	85·2	88·2	89·3	88·9	93·7	87·08
89·2	89·9	89·0	88·9	87·7	87·8	89·2	90·4	91·9	91·0	93·2	91·8	89·97
89·8	87·8	85·6	86·0	87·5	85·8	85·7	87·1	88·3	90·5	90·3	92·8	88·15
81·3	80·4	80·4	83·7	81·7	80·9	—	—	—	—	—	—	82·05
—	—	—	—	—	—	77·6	78 3	78·3	78·6	74·9	78·4	
68·8	68·2	67·6	66·1	63·1	66·2	66·2	67·2	67·6	68·6	69·9	72·8	70·27
65·1	63·0	63·0	64·0	64·9	47·0	53·4	63·1	63·1	63·9	68·9	73·7	65·65
70·6	70·3	70·6	70·6	68·9	70·4	72·0	72·0	74·2	74·2	77·5	78·4	71·00
69·1	69·1	69·1	70·1	70·2	70·2	69·6	71·1	71·9	74·4	74·4	77·0	71·74
63·0	62·0	61·9	61·9	62·5	62·2	61·9	61·0	61·9	63·3	65·4	67·1	65·83
49·8	47·4	47·8	47·6	47·6	47·6	—	—	—	—	—	—	54·36
—	—	—	—	—	—	48·0	48·0	49·3	50·4	49·2	50·2	
44·6	44·6	41·9	43·9	45·5	47·1	48·7	48·2	48·5	46·3	45·7	45·6	46·97
49·5	49·5	48·1	47·6	44·2	45·6	46·2	51·5	52·2	52·7	56·7	59·3	50·09
46·6	45·4	46·5	46·5	46 8	47·4	49·4	43·6	47·5	51·3	51·2	53·1	49·83
50·3	49·8	49·8	48·7	54·0	55·1	56 8	56·8	56·1	58·6	58·5	61·7	53·86
59·9	59·9	60·0	60·9	61·8	63·0	63·0	63·9	61·8	58·7	64·5	68·4	61·67
66 2	65·7	64·6	65·5	64·7	61·8	—	—	—	—	—	—	65·40
—	—	—	—	—	—	60 5	60·4	60·8	60·8	62·3	64·8	
51·9	52 5	52·8	53·1	53·1	54·1	55·1	55·7	56·0	57·3	57·3	62·6	55·50
60·7	60·7	61·2	61·2	62·0	62·0	62·0	55·2	60·5	63·8	62·4	64·3	60·65
71·5	71·7	62·8	61·6	63·6	65·6	50·7	62·6	62·4	62·7	66·3	68·0	64·70
78·6	78·4	77·5	70·5	69·3	61·9	51·9	45·1	38·5	42·8	49·7	50·2	67·83
73·1	71·1	70 0	70·5	70·5	69·6	69·6	69 1	66·7	65·6	70·4	72·1	71·56
67·4	66·4	65·8	65·8	66·0	66·0	—	—	—	—	—	—	70·25
—	—	—	—	—	—	65·4	69·6	69·8	71·2	75·1	74·8	
69·3	69·3	68·0	68·3	69·2	69·9	71·0	39·8	70·6	72·5	72·5	73·9	70·35
76 4	74·9	75·1	74·9	74·6	74·1	74·1	74·6	73·9	74·1	75·1	76·4	74·82
78·5	78·5	76 8	79·4	82·0	81·5	79·8	75·5	79 4	77·6	80·9	85·1	78·52
79·8	79·8	77·3	78·8	78·1	78·7	78·0	77·6	77·8	80·0	77·6	80·9	80·29
68 66	68·12	67·21	67·27	67·46	66·78	66·13	66·41	66·83	67·81	69·28	71·29	68 89

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
63·2	63·0	63·0	63·0	62·9	62·9	63·0	63·0	63·0	62·6	62·6	62·6	63·16
65·0	65·0	65·2	64·7	64·7	64·6	64·4	64·3	64·0	64·0	63·3	62·2	64·37
65 0	65·2	65·2	65 2	65·3	64·4	65·0	63·8	63·4	63·0	62·6	62·3	63·69
65·8	66·0	66·6	66·0	65·6	65·2	64·8	64·6	64·1	64·0	63·6	62·4	64·18
68·6	68·6	68·6	68·4	68·6	68·0	—	—	—	—	—	—	67·36
—	—	—	—	—	—	70·7	70·4	70·1	70·0	69·9	69·4	
77·0	77·0	76·6	77·0	76·1	75·7	75·3	74·7	74·4	73·4	73·0	72·4	74·02
77·0	76·7	76·7	76·5	75·7	75·4	74·7	74·5	74·2	73·8	73·0	72·4	74·77
74·0	74·0	74·2	73·7	73·3	73·1	71·8	71·2	70·6	70·2	69·5	68·6	72·40
74 3	74·2	73·8	73·4	72·7	72·3	71·7	71·7	71·5	70·8	70·5	69·4	71·60
77·5	77·5	77·5	77·1	77·1	76·4	76 0	75·7	75·0	75·0	74·5	73·7	74·46
83·0	83·4	83·0	82·5	82·5	82·2	—	—	—	—	—	—	79·72
—	—	—	—	—	—	82·5	82·0	82·0	81·7	81·4	81·0	
83·8	83·5	83·5	83·5	82·8	82·0	81·2	81·3	81·4	80·8	79·7	79·1	81·83
82·0	82·0	82·0	81·8	80·6	80·4	80·5	79·0	78·6	78·2	77·4	76·2	79·86
82·8	82·4	83·0	82·5	82·2	82·0	81·4	80·8	80·8	80·6	80·2	79·0	80·47
81·2	81·0	81·0	80·0	79·0	78·0	77·0	76·7	76·2	76·3	76·3	75·5	78·97
76·7	76·7	76·7	76·0	75·1	74·5	74·0	73·8	73·3	72·5	72·0	71·5	74·82
73·7	73·5	73·5	73·5	73·3	73·3	—	—	—	—	—	—	73·23
—	—	—	—	—	—	74·9	75·4	75·0	75·2	75·0	74·6	
80·5	80·2	79·7	79·5	79·2	79·0	78·5	77·5	76·9	76·5	76·0	75·0	77·95
75·7	75·4	74·7	74·8	74·7	74·3	74·0	74·2	74·0	73·3	73·0	71·5	74·99
71·5	70·5	72·9	73·5	72·5	71·5	71·5	71·5	72·5	72·5	71 6	71·1	71·84
70·3	70·5	70·5	70·5	70·5	70·1	69·9	70·5	69·2	69·0	68·5	68·0	69·37
71·5	71·5	71·5	71·7	71·5	71·5	70·8	70·0	70·0	70·0	69·7	68·6	70·16
73·5	73·5	73·0	73·0	73·0	72·8	—	—	—	—	—	—	71·18
—	—	—	—	—	—	70·8	70·6	70·4	70·0	69·6	69·3	
72·0	72·0	71·6	71·6	71·0	70·4	70·2	70·2	69·5	69·3	69·0	68·6	70·52
68·4	68·4	68·5	68·7	68·7	68·8	68·7	68·4	68·3	68·2	68·2	67·5	68·02
66·6	66·3	66·3	65·5	65·5	65·0	64·9	64·8	64·4	64·2	63·8	63·2	66·00
66·0	66·0	66·5	66·5	66·5	66·2	66·0	65·8	65·6	65·4	65·4	65·0	65·19
73·39	73·48	73·53	73·34	72·99	72·59	72·38	72·09	71·79	71·50	71·09	70·37	72·00

* Seven minutes late.

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.	12^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
AUGUST.	1	177·9	180·4	180·4	185·0	185·9	184·2	188·8	189·2	184·9	185·4	185·4	179·1	177·9
	2	172·5	177·7	177·7	180·3	178·0	180·2	181·0	181·0	182·2	182·5*	178·9	178·9	178·7
	3	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	203·0	193·2	190·4	188·9	189·3	190·8	192·2	191·7	190·6	192·2	193·0	193·0	191·8
	5	189·5	191·0	190·1	192·1	193·8	193·3	193·4	193·4	193·4	196·0	196·7	196·1	197·5
	6	189·7	190·2	191·0	192·0	195·0	197·9	199·4	201·4	199·9	199·2	198·7	200·1	199·4
	7	191·2	192·7	195·1	195·1	198·3	196·9	200·7	200·7	201·3	201·3	202·0	204·1	202·8
	8	199·7	197·6	194·9	195·8	197·2	199·2	199·2	200·5	199·0*	199·0	197·7	199·3	199·9
	9	197·5	197·8	199·2	199·3	200·7	201·7	202·7	203·3	203·3	203·6	203·6	202·9	200·2
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	197·2	197·0	196·5	196·5	197·7	198·2	198·0	199·6	200 6	200·6	199·7	199·2	200·1
	12	191·3	191·3	191·5	193·1	194·6	196·2	198·5	196·5	196·5	196·7	198·1	198·1	199·0
	13	186·3	186·1	188·8	187·4	189·0	190·6	191·1	190·2	190·8	189·7	189·7	190·6	190·6
	14	185·3	186·9	188·9	192·1	191·8	193·4	192·9	192·0	192·9	191·6	193·8	193·9	193·8
	15	188·0	188·8	190·6	192·2	194·1	195·8	195·0	193·9	192·7	192·7	192·7	194·1	195·7
	16	188·9	190·3	192·7	195·1	195·4	197·1	197·1	197·1	198·1	199·9	198·5	198·9	199·7
	17	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	197·2	197·7	200·0	202·4	202·6	202·0	202·3	201·0	201·0	201·5	201·9	203·1	204·0
	19	199·9	199·9	200·0	200·5	199·0	200·3	200·5	200·5	200·0	200·0	199·7	199·3	199·8
	20	193·9	195·9	197·0	199·0	200·6	201·6	202·7	203·6	202·8	202·8	204·2	204·3	204·8
	21	198·3	199·9	202·8	205·1	205·1	205·5	206·4	206·4	206·3	207·5	207·8	207·8	208·9
	22	200·3	200·3	202·3	203·6	204·7	206·4	205·3	205·3	205·3	205·3	205·3	205·3	208·1
	23	200·0	200·8	204·2	204·2	206·8	206·8	206·8	208·1	207·1	206·5	206·5	206·5	205·6
	24	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	193·9	196·5	200·1	200·1	203·7	204·8	204·0	202·8	202·8	203·2	203·2	203·1	203·9
	26	198·8	200 3	203·0	207·0	204·7	202·8	202·0	202·0	201·7	201·7	202·2	202·2	202·0
	27	197·0	197·0	196·4	196·5	196·5	195·5	195·1	195·1	194·1	193·7	194·3	194·2	194·5
	28	191·0	189·2	191·1	191·8	194·0	194·1	194·1	192·2	191·1	194·2	192·4	192·8	194·2
	29	192·8	193·8	196·7	198·1	197·2	199·9	198·4	194·8	190·2	183·5	157·0	184·1	187·5
	30	200·8	201·4	200·5	201·1	199·7	198·9	199·2	197·6	196·2	196·2	195·9	199·0	197·0
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		193·38	193·60	194·69	195·93	196·75	197·46	197·95	197·69	197·11	197·14	196·11	197·[illegible]	197·59

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.	12^{h}.
		°	°	°	°	°	°	°	°	°	°	°	°	°
AUGUST.	1	64·4	64·6	65·0	65·6	66·6	67·2	67·6	67·5	67·7	68·2	68·3	68·4	68·0
	2	64·6	65·6	66·2	66·5	66·5	66·7	67·0	67·5	67·5	67·8	68·4	68·2	68·4
	3	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	66·7	66·7	66·7	68·4	69·0	69·6	70·0	71·7	72·0	73·0	73·0	73·0	73·5
	5	69·5	69·5	70·5	70·8	71·0	72·1	72·8	73·3	73·8	74·5	75·0	76·1	76·5
	6	71·3	71·3	71·5	72·3	73·3	74·2	75·0	75·3	76·7	76·7	76·3	76·1	76·7
	7	71·4	71·7	72·5	73·0	74·6	75·0	76·0	75·7	76·5	76·3	78·0	78·1	78·0
	8	74·2	74·0	74·0	74·5	73·4	73·5	74·0	74·5	75 0	75·4	75·5	75·3	75·5
	9	73·4	73·5	74·3	74·5	75·3	75·0	76·5	76·7	77·2	78·0	78·3	78·5	78·5
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	74·7	74·7	74·4	73·4	73·6	73·8	74·1	74·6	74·7	74·7	74·7	75·3	75·6
	12	70·7	70·7	70·7	71·3	71·9	72·5	73·1	73·2	74·0	74·2	74·8	74·9	74·5
	13	68·8	68·4	68·4	68·5	68·5	68·8	69·0	69·0	69·3	69·4	69·4	70·3	70·5
	14	68·6	69·2	69·5	70·0	70·0	70·4	70·5	70·7	71·0	71·3	71·5	72·0	71·8
	15	67·3	67·5	68·0	68·4	69·5	70·5	71·0	71·0	71·5	71·8	72·0	72·3	73·0
	16	68·6	69·0	69·6	70·0	71·3	72·2	72·6	73·4	73·7	74·3	74·5	75·0	75·5
	17	—	—	—	—	—	—	—	—	—	—	—	—	—
	18	73·2	73·0	73·0	73·7	73·9	74·3	74·5	75·0	75·4	76·0	76·3	76·9	76·7
	19	73·2	72·8	72·7	73·0	73·2	73·4	73·5	73·5	73·7	73·9	74·3	74·5	74·5
	20	71·7	72·0	72·0	72·7	73·3	73·9	74·5	75·3	75·6	76·5	76·6	77·1	77·3
	21	73·5	73·7	74·8	75·7	76·0	76·4	76·7	77·0	77·5	78·0	78·3	78·9	78·5
	22	73·7	73·7	74·0	74·7	74·8	75·5	76·0	76·5	76·7	77·1	77·7	78·0	78·0
	23	73·0	73·0	73·5	74·3	75·2	75·9	76·5	77·0	77·5	77·7	79·0	78·9	78·2
	24	—	—	—	—	—	—	—	—	—	—	—	—	—
	25	72·3	71·0	71·7	72·5	73·5	74·0	74·3	74·3	74·5	74·7	75·0	75·1	75·6
	26	73·0	73·0	73·5	74·3	74·6	75·5	75·5	75·5	75·7	76·0	76·0	76·2	76·2
	27	72·1	72·0	71·5	71 3	70·7	70·6	70·6	70·7	71·0	70·7	70·6	70·5	70·5
	28	67·5	67·6	68·4	68·7	69·5	69·7	70·1	70·1	70·1	70·4	70·5	70·5	70·5
	29	68·0	68·0	68·6	68·8	69·7	70·4	70·8	71·3	71·5	72·5	72·5	73·1	73·3
	30	73·7	73·2	72·7	72·6	73·0	73·3	73·5	73·9	74·3	75·0	75·5	75·9	74·6
	31	—	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		70·73	70·75	71·07	71·52	72·00	72·52	72·91	73·24	73·62	74·00	74·31	74·[illegible]	74·61

* Two minute

VERTICAL FORCE.

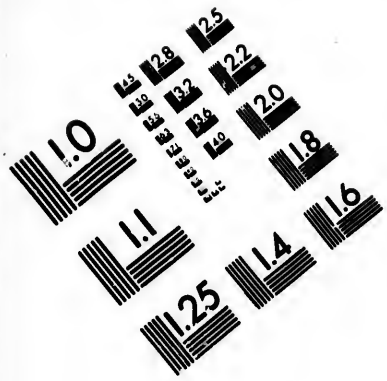
One Scale Division = ·000063 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
177·9	177·9	179·3	179·9	184·2	191·2	193·7	193·2	193·2	192·8	189·8	177·6	184·90
178·7	179·8	184·9	182·4	186·0	194·9	—	—	—	—	—	—	
—	—	—	—	—	—	185·0	188·0	203·9	205·5	207·3	209·4	185·70
191·8	194·8	194·8	195·4	199·3	203·2	208·1	199·3	194·4	192·6	192·6	189·5	194·34
197·5	197·9	200·7	200·7	199·1	199·1	200·0	200·5	197·8	195·5	194·0	191·0	195·55
199·4	201·6	201·6	201·3	200·7	200·0	200·0	203·3	211·2	206·5	199·4	195·0	198·94
202·8	202·0	202·0	203·6	202·4	201·5	202·6	205·0	204·6	219·7	205·8	201·6	201·38
199·9	199·7	199·2	200·5	206·9	200·2	200·2	199·7	201·3	205·1	198·8	199·8	199·63
200·2	201·7	202·4	204·7	206·3	205·9	—	—	—	—	—	—	
—	—	—	—	—	—	202·0	201·3	5·9	195·9	199·6	199·2	201·28
200·1	199·5[b]	197·1	198·3	197·0	197·0	197·0	195·	94 6	194·5	192·9	192·9	197 37
199·0	199·0	198·2	197·0	196·7	195·9	195·4	195·	193·8	192·4	192·4	190·7	195·35
190·6	191·4	191·4	192·4	191·8	191·8	191·5	191·3	189·9	189·9	189·9	187·2	189·95
193·8	193·7	193·8	195·3	191·7	193·4	191·7	191·4	191·4	191·7	189·5	189·5	191·76
195·7	195·7	195·7	194·8	194·8	193·7	192·4	192·5	192·3	191·6	190·4	188·6	192·88
199·7	201·4	201·7	200·1	200·1	200·5	—	—	—	—	—	—	
—	—	—	—	—	—	216·2	208·8	204·8	201·1	199·1	197·2	199·10
204·0	205·0	205·0	203·6	203·2	202·5	202·2	202·2	201·2	203·1	206·2	203·7	202·29
199·8	199·5	198·9	201·4	200·5	200·5	199·7	202·5	199·1	197·0	196·3	195·2	199·60
204·8	204 8	204·8	204·8	203·4	203·4	203·4	201·6	201·1	201·1	201·1	199·6	201·76
208·9	209·5	209·5	210·6	208·4	208·4	206·4	206·4	204·9	204·2	204·4	201·7	205·93
208·1	207·0	205·0	204·7	207·3	211·4	211·2	210·5	208·2	206·7	201·6	200·0	205·55
205·6	207·6	205·7	206·2	206·2	205·8	—	—	—	—	—	—	204·73
—	—	—	—	—	—	205·3	204·5	202·8	201·8	196·0	201·8	
203·9	205·4	205·4	205·4	205·2	207·4	206·8	204·1	202·8	202·8	202·8	200·4	202·94
202·0	203·2	203·8	204·4	202·8	202·8	202·8	201·4	202·6	200·6	200·0	198·2	202·21
194·5	195·3	195·2	195·7	195·3	195·3	195·3	193·7	193·3	192·1	191·7	190·8	194·74
194·2	194·2	193·0	193·8	191·7	193·0	193·6	193·9	195·1	208·1	198·7	198·7	193·98
187·5	193·8	194·2	207·6	206·6	216·4	224·1	224·0	249·5	249·8	235·0	209·3	203·53
197·0	198·4	199·1	199·1	215·3	215·3	—	—	—	—	—	—	199·73
—	—	—	—	—	—	199·7	196·1	196·1	196·1	192·6	196·2	
197·59	198·45	198·55	199·37	200·11	201·17	201·01	200·22	200·99	201·47	198·77	196·34	197·89

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
68·0	67·8	68·2	67·8	68·0	67·8	67·6	67·0	65·6	64·8	65·6	64·6	66·83
68·4	68·4	68·6	68·6	68·4	68·0	—	—	—	—	—	—	
—	—	—	—	—	—	68·8	68·5	68·1	68·0	67·6	67·0	67·54
73·5	73·5	73·7	74·0	73·5	73·0	73·0	72·0	71·4	71·0	70·6	69·5	71·22
76·5	76·5	76·5	75·3	75·0	74·5	74·0	73·7	73·3	72·5	72·0	71·6	73·36
76·7	76·5	76·5	76·3	76·0	75·4	75·0	74·3	74·0	73·6	73·2	72·5	74·60
78·0	77·6	77·5	77·2	77·0	76·7	76·8	76·2	75·5	75·3	75·0	74·5	75·68
78·5	75·3	75·3	75·7	75·3	75·0	74·7	75·0	74·8	74·6	74 2	73·6	74·68
78·5	78·7	78·3	78·6	78·4	78·0	—	—	—	—	—	—	
—	—	—	—	—	—	75·0	74·8	74·5	74·3	74·3	74·5	76·25
75·6	75·0	74·3	73·5	73·5	73·0	72·7	72·6	72·0	71·5	71·2	70·8	73·68
74·5	74·0	73·9	73·5	73·2	72·6	72·0	71·8	71·7	71·4	70·7	70·0	72·54
70·5	70·5	70·5	70·7	70·5	70·5	70·3	70·0	69·7	69·5	69·0	69·0	69·53
71·8	71·5	71·7	71·5	70·5	69·5	68·8	68·6	68·6	68·5	68·2	67·6	70·06
73·0	72·7	72·5	72·5	72·2	71·6	71·5	71·0	70·5	70·0	69·6	69·2	70·73
75·5	75·5	74·7	74·5	74·5	73·8	—	—	—	—	—	—	
—	—	—	—	—	—	74·4	74·4	74·0	73·7	73·5	73·5	73·17
76·7	77·0	76·7	76·5	76·3	76·0	75·5	75·5	75·0	75·0	75·0	74·4	75·18
74·5	74·3	73·9	74·0	73·8	74·0	73·7	73·4	72·7	72·5	72·4	72·2	73·46
77·3	77·0	77·2	76·7	76·3	76·0	75·5	75·5	75·0	75·0	74·6	73·7	75·04
78·5	78·5	79·0	78·5	78·0	77·5	77·0	76·0	75·6	75·5	75·0	74·4	76·65
78·0	78·0	77·8	77·0	76·8	76·5	76·2	75·5	75·0	74·6	74·0	73·0	75·87
78·2	78·3	78·0	78·0	77·5	77·0	—	—	—	—	—	—	
—	—	—	—	—	—	75·7	75·2	74·8	74·0	73·8	73·3	76·03
75·6	76·0	76·0	75·8	75·8	76·0	75·8	75·5	75·0	74·1	73·7	73·5	74·42
76·2	76·0	76·0	75·5	75·0	74·5	74·3	74·3	74·0	73·5	73·3	72·7	74·75
70·5	70·5	70·5	71·0	70·8	70·7	70·3	69·9	69·3	69·0	68·6	68·0	70·48
70·5	70·9	70·5	70·3	69·7	69·5	69·2	69·0	68·7	68 6	68·6	68·4	69·46
73·3	74·7	75·4	75·5	75·5	75·3	74·1	74·1	74·1	74·1	74·1	73·8	72·47
74·6	74·4	73·7	73·0	73·0	72·9	—	—	—	—	—	—	
—	—	—	—	—	—	70·4	69·7	69·4	69·0	68·5	68·3	72·61
74·61	74·58	74·50	74·29	74·02	73·67	73·17	72·83	72·40	72·06	71·78	71·29	72·93

[b] Seven minutes late.



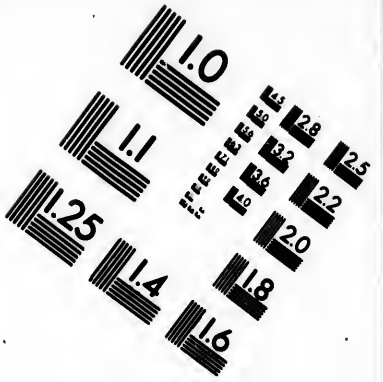
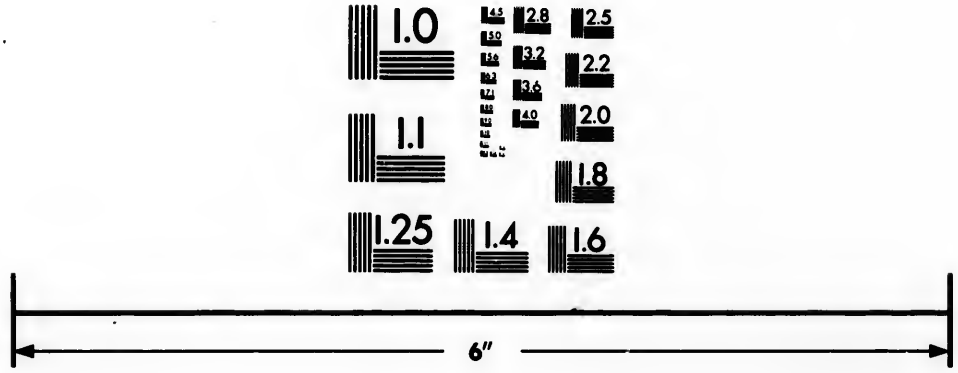
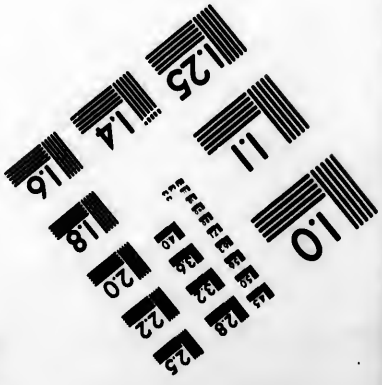


IMAGE EVALUATION TEST TARGET (MT-3)





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2.8
2.5
2.2
2.0
1.8
1.0

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
SEPTEMBER.	1	136·8	137·0	138·3	137·1	137·1	137·1	136·5	139·6	141·3	140·9	140·9	141·9
	2	130·8	131·8	130·5	131·3	136·4	135·7	135·4	137·2	140·2	141·0	143·0	139·2
	3	134·7	133·1	131·6	133·0	133·0	132·1	132·1	133·1	133·1	133·1	134·2	133·0
	4	129·2	130·7	132·7	134·2	135·8	134·7	133·3	133·3	133·1	132·6	134·8	133·1
	5	140·4	141·1	139·8	139·6	138·6	139·9	140·2	139·7	140 8	141·1	140·2	140·7
	6	145·8	145·0	144·5	143·4	143·7	144·1	144·6	145·0	145·0	144·7	144·2	144·0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	145·6	141·7	142·6	143·9	143·9	143·9	145·2	145·2	147·7	148·4	147·3	148·1
	9	148·8	150·8	151·6	148·3	146·6	146·2	146·6	146·3	146·3	145·8	145·4	145·2
	10	149·9	149·6	152·4	145·6	145·9	144·5	144·6	146·1	147·4	147·1	143·9	145·1
	11	152·9	150·3	149·2	148·8	146·8	147·2	148·7	149·2	151·2	152·9	152·9	150·2
	12	149·6	152·7	152·0	149·8	148·1	150·5	151·0	153·1	154·6	154·2	152·6	151·6
	13	154·2	153·5	153·5	153·1	152·4	152·8	154·3	154·3	159·7	159·7	163·0	156·1
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	152·0	151·0	149·7	148·1	146·5	145·8	146·2	148·7	148·7	148·9	147·0	145·6
	16	154·1	154·7	153·2	151·4	150·3	151·2	151·9	153·8	153·8	153·2	153·9	151·7
	17	158·0	158·0	156·8	154·3	154·0	153·7	154·0	154·0	154·5	152·3	154·6	153·6
	18	152·5	152·4	150·2	149·7	149·3	148·0	145·5	145·7	144·7	142·4	141·2	141·0
	19	149·7	149·7	148·1	145·6	145·1	144·7	145·8	147·0	148·7	148·7	150·4	150·5
	20	149·8	149·8	149 3	147·7	148·6	150·2	149·1	150·0	151·5	151·5	153·0	155·0
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	165·7	162·4	162·4	161·5	160·5	159·8	160·1	160·1	161·3	160·3	159·3	158·9
	23	159·3	160·2	160·2	160·1	160·1	160·5[a]	160·5	160·5	161·0	161·0	160·0	160·6
	24	161·2	159·4	160·1	160·1	159·3	159·3	158·4	160·2	162·0	160·0	159·4	157·9
	25	162·0	154·8	140·2	151·2	156·2	156·8	161·0	160·9	161·2	159·6	160·0	160·6
	26	155·8	159·8	159·2	159·9	159·9	160·3	160·4	161·7	161·5	160·4	158·2	158·2
	27	153·7	153·6	156·5	155·9	156·1	157·4	159·2	162·7	164·7	160·2	159·9	159·1
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	154·3	152·4	151·4	149·7	147·3	146·1	147·2	146·5	147·3	145·4	145·7	149·1
	30	147·9	147·9	147·9	146·5	145·3	144·7	144 9	144·2	144·6	144·6	144·6	148·6
Hourly Means		149·80	149·36	148·61	148 07	147 95	147·97	148·33	149·16	150·23	149·69	149·68	149·[illegible]

TEMPERATURE OF THE VERTICAL FORCE MAGNET

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.
		°	°	°	°	°	°	°	°	°	°	°	°
SEPTEMBER.	1	67·8	67·6	68·4	68·2	68·2	68·4	68·7	68·9	69·5	69·5	69·5	69·1
	2	68·3	68·4	68·9	69·5	69·5	70·0	70·3	70·8	70·9	71·0	71·0	72·0
	3	68·6	68·8	69·5	69·7	70·3	70·7	71·4	71·6	72·3	72·5	72·8	73·5
	4	70·8	70·0	70·6	69·5	69·7	70·3	70·8	71·5	71·5	72·0	71·5	72·3
	5	67·5	67·3	68·0	68·2	68·6	68·7	69·1	69·5	69·1	69·0	69·3	69·3
	6	65·2	65·6	65·4	65·2	65·4	65·4	65·5	65·5	66·0	66·2	66·2	66·3
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	62·9	62·9	63·4	63·5	64·0	64·0	64·2	64·0	64·0	64·2	64·2	64·3
	9	61·6	61·2	60·8	61·4	62·5	62·8	63·6	64·0	64·6	65·0	65·2	65·4
	10	61·6	61·6	62·0	62·8	63·6	63·8	63·8	64·0	64·0	64·2	64·4	64·4
	11	60·4	61·0	61.0	61·6	62·3	62·4	62·6	62·6	62·7	62·7	63·0	62·8
	12	58·6	59·2	60·0	60·5	60·6	61·1	61·0	61·4	61·6	61·6	62·0	62·4
	13	59·0	59·0	59·0	59·0	59·0	59·0	59·0	59·4	59·4	59·4	59·6	59·6
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	61·4	61·6	62·0	62·6	62·9	63·0	63·0	63·6	63·7	64·0	64·6	64·9
	16	59·6	59·7	59·8	60·6	61·0	61·5	61·5	61·2	61·2	61·6	61·8	62·1
	17	58·8	58·4	58·4	58·7	59·2	59·0	59·4	59·5	60·0	60·6	61·5	62·9
	18	62·3	62·1	62·2	62·3	63·0	64·0	64·7	66·0	66·6	67·4	67·7	67·7
	19	61·9	62·3	62·8	63·0	63·5	63·7	64·0	64·0	64·0	64·3	64·3	64·9
	20	62·4	62·0	61·7	61·7	61·6	61·6	61·7	61·7	61·8	61·8	61·8	61·8
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	54·3	54·3	54·6	54·8	55·6	56·1	56·3	56·8	57·1	57·3	57·6	57·7
	23	57·0	56·8	56·6	56·3	56·4	56·4[a]	56·4	56·4	56·4	56·4	56·4	56·4
	24	56·9	56·6	57·0	57·0	57·0	57·2	57·3	57·5	57·5	57·8	57·6	57·5
	25	58·1	57·3	57·7	57·5	57·2	58·6	59·1	59·2	56·6	59·4	60·0	60·9
	26	58·2	58·2	57·8	57·6	57·6	57·4	57·4	57·7	56·0	58·7	59·5	59·9
	27	57·8	57·5	57·8	56·2	58·2	59·0	59·0	59·6	60·4	61·0	61·0	61·6
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	60·6	60·9	62·5	62·6	63·6	64·4	64·8	65·0	65·6	66·0	66·4	66·6
	30	65·2	65·0	65·0	64·8	64·6	64·6	65·6	66·2	65·0	65·2	65·4	65·6
Hourly Means		61·60	61·74	62·03	62·16	62·53	62·81	63·08	63·37	63·52	63·60	64·01	64·19

[a] Two minutes late.

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
141·9	139·0	138·9	138·9	138·9	139·1	139·1	125·3	—	—	—	—	138·28
137·3	137·1	137·1	134·9	135·8	134·2	134·2	131·2	132·1	136·1	136·6	134·7	135·57
131·4	131·4	133·1	131·4	131·7	127·9	120·5	119·9	124·4	131·0	128·1	128·0	130·62
134·1	134·1	134·1	133·5[a]	135·0	133·9	133·9	133·9	135·3	137·4	138·6	139·6	134·21
140·3	139·5	139·5	137·1	137·5	139·3	137·1	140·3	139·4	141·2	145·6	144·4	140·05
143·4	143·0	142·2	142·2	142·2	142·2	—	—	—	—	—	—	143·30
—	—	—	—	—	—	145·5	144·9	142·7	131·8	138·7	146·3	
147·2	148·5	147·2	147·8	147·8	148·3	148·5	145·5	147·1	144·8	144·1	148·7	146·21
145·9	144·9	144·2	143·3	145·1	144·7	144·7	146·1	146·1	147·3	148·2	146·8	146·47
145·5	145·5	145·5	146·7	147·9	143·0	146·2	147·6	148·1	149·3	148·6	151·7	147·09
150·4	150·2	150·5	150·4	142·7	143·3	143·3	142·8	151·6	154·0	148·6	150·2	149·10
151·8	152·7	152·1	154·1	152·8	153·4	153·4	153·4	148·8	146·8	153·2	155·3	151·99
154·2	153·3	151·4	151·3	151·3	151·3	—	—	—	—	—	—	153·18
—	—	—	—	—	—	148·5	148·8	150·3	147·6	150·7	151·0	
146·1	144·6	144·6	147·6	147·6	146·0	146·0	148·0	148·7	149·1	150·5	152·2	147·88
151·3	148·6	151·1	150·9	151·0	148·7	150·0	151·1	152·7	154·2	154·5	156·1	152·32
157·0	158·9	159·3	152·9	150·2	148·7	140·2	138·5	130·0	121·7	145·5	149·8	150·81
142·2	142·2	137·3	137·3	140·9	128·8	138·6	131·2	130·1	143·1	146·0	147·2	142·81
151·5	147·2	147·3	146·2	146·2	148·0	146·0	144·1	138·3	138·3	145·7	149·8	146·78
153·5	153·2	153·2	153·9	150·4	150·4	—	—	—	—	—	—	153·47
—	—	—	—	—	—	162·9	159·1	160·8	159·7	158·7	161·9	
157·7	157·7	157·7	158·6	159·6	159·6	159·8	160·0	160·7	159·8	160·4	158·7	160·11
161·1	160·2	160·2	160·2	158·6	160·4	159·1	163·6	163·6	162·6	161·8	161·2	160·69
158·2	156·3	157·1	164·1	163·5	151·7	152·6	136·8	104·8	116·3	144·3	154·6	153·23
161·4	161·9	161·9	155·6	146·2	152·2	155·0	142·8	151·3	153·2	156·6	159·0	155·99
156·3	157·0	157·2	157·1	158·1	157·4	158·7	156·6	155·8	152·6	145·9	148·6	157·36
159·3	159·0	158·4	154·2	146·5	151·0	—	—	—	—	—	—	155·21
—	—	—	—	—	—	149·0[c]	147·3	148·7	149·1	150·8	152·6	
145·4	146·4	146·4	145·2	145·2	146·7	143·8	143·3	140·9	144·9	144·9	147·9	146·67
144·4	148·3	145·8	147·5	147·6	148·2	148·2	147·2	147·2	147·6	147·6	147·2	146·60
148·80	148·49	148·20	147·80	146·93	146·09	146·68	144·20	143·98	144·78	147·69	149·75	147·98

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
69·2	69·3	69·5	69·2	69·0	69·0	69·0	69·0	—	—	—	—	68·85
71·8	71·5	71·3	71·0	71·0	70·6	70·3	70·3	70·2	69·5	69·3	68·8	70·25
73·5	73·5	73·3	73·0	72·8	72·4	72·3	71·7	71·5	71·2	70·6	70·4	71·58
72·5	72·5	72·0	72·0[b]	71·4	71·3	70·6	70·0	69·4	68·7	68·3	68·0	70·73
69·3	69·1	68·6	68·3	68·0	67·6	67·6	67·2	66·8	66·4	66·0	65·8	68·10
66·2	66·0	66·2	66·6	66·5	66·5	—	—	—	—	—	—	65·57
—	—	—	—	—	—	65·4	65·2	65·0	64·6	64·2	63·4	
64·2	64·2	64·0	63·9	63·6	63·6	63·2	62·6	62·4	62·2	62·0	62·0	63·48
65·4	65·6	65·3	65·5	65·0	64·5	64·0	63·9	63·6	63·2	62·8	62·4	63·72
64·4	64·4	63·9	63·8	63·4	63·0	62·6	62·0	62·0	61·4	61·5	61·0	63·07
62·8	62·8	62·6	62·2	62·0	61·6	61·8	61·2	60·0	59·7	59·5	59·0	61·68
62·4	61·8	61·8	61·2	61·0	60·6	60·2	59·4	59·4	59·6	59·6	59·2	60·67
60·0	60·6	60·6	61·6	62·0	62·6	—	—	—	—	—	—	60·47
—	—	—	—	—	—	62·6	62·6	62·3	62·2	62·0	61·6	
64·8	64·6	64·6	63·7	63·5	63·0	62·8	62·5	61·8	61·6	61·5	60·0	62·99
62·4	63·0	62·2	62·4	62·0	61·6	61·2	61·2	61·0	59·6	59·7	59·1	61·13
62·0	62·5	62·5	63·2	63·0	62·8	62·8	62·8	62·5	62·5	62·6	62·0	61·11
67·4	67·0	67·4	67·0	65·6	65·4	65·0	64·6	64·0	63·6	63·3	62·7	64·96
64·4	64·6	64·2	63·9	63·9	63·7	63·6	63·1	63·0	62·9	62·9	62·6	63·56
62·4	62·0	61·8	61·6	61·2	60·7	—	—	—	—	—	—	60·29
—	—	—	—	—	—	56·8	56·8	56·3	56·0	55·4	54·3	
57·7	57·6	57·5	57·8	57·4	57·3	57·3	57·2	57·2	57·2	57·2	57·2	56·71
56·8	57·2	57·2	57·2	57·2	57·2	57·2	56·8	56·6	56·6	56·8	57·1	56·74
57·1	58·3	59·2	59·2	59·4	60·8	60·9	60·4	59·6	59·3	58·6	58·8	58·27
60·0	59·8	59·8	59·2	59·6	59·4	59·6	59·0	58·8	58·7	58·5	58·2	58·92
59·6	60·2	60·2	60·0	59·7	59·4	59·4	59·4	59·2	59 1	58·7	58·7	58·80
60·8	60·6	60·4	60·1	60·1	60·0	—	—	—	—	—	—	59·83
—	—	—	—	—	—	60·6[c]	60·7	60·5	60·5	60·5	60·5	
66·5	66·5	66·3	66·2	66·0	66·0	66·0	65·6	65·4	65·3	65·1	65·3	64·97
64·6	64·8	64·8	64·6	64·2	64·0	64·0	63·6	63·3	63·2	63·0	63·4	64·55
64·16	64·23	64·13	64·02	63·79	63·64	63·34	63·03	62·46	62·19	61·98	61·66	63·08

[b] Five minutes late. [c] Six minutes late.

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

Mean Göttingen Time.		0^{h}.	1^{h}.	2^{h}.	3^{h}.	4^{h}.	5^{h}.	6^{h}.	7^{h}.	8^{h}.	9^{h}.	10^{h}.	11^{h}.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
OCTOBER.	1	147·7	148·3	149·7	144·1	146·0	146·8	148·5	154·3	154·3	150·5	151·6	151·6
	2	155·4	157·9	155·7	153·7	153·0	151·6	151·9	151·9	153·0	152·8	152·0	152·0
	3	149·5	150·6	150·6	150·6	151·8	151·8	152·5	153·4	153·0	152·4	152·4	151·8
	4	152·2	154·1	154·1	154·1	153·5	153·2	151·1	150·3	151·1	151·9	150·9	150·9
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	166·5	167·2	164·8	161·5	161·5	160·1	160·9	161·6	161·7	161·5	161·5	161·9
	7	166·8	168·6	166·3	165·0	162·8	161·8	160·4	160·4	161·0	161·4	160·3	159·9
	8	160·3	159·8	159·8	158·6	157·2	155·0[b]	155·0	154·5	153·9	154·4	155·9	153·9
	9	152·2	150·9	153·4	148·9	147·1	145·5	144·1	143·0	144·4	147·0	146·7	154·9
	10	144·2	147·8	147·8	147·8	146·4	145·0	145·4	147·1	147·4	149·2	148·9	150·1
	11	143·8	143·5	145·6	146·1	146·6	147·9	146·1	146·9	149·3[a]	149·3	148·9	146·9
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	164·1	163·9	162·6	158·1	159·3	156·3	159·1	159·1	159·1	159·1	157·9	159·9
	14	159·1	159·5	158·4	163·0	162·2[b]	160·5	162·3	159·1	160·0	160·0	163·1	163·1
	15	165·1	166·3	168·8	158·5	161·4	162·0	162·6	163·9	163·9	163·2	164·8	164·8
	16	170·0	170·0	170·7	169·7	167·6	166·5	167·5	167·5	167·5	166·6	164·6	164·6
	17	171·3	170·3	171·9	166·1	164·1	163·8	164·5	163·6	164·9	162·8	161·1	161·1
	18	165·9	166·3	164·8	163·0	160·1	159·5	159·1	157·6	156·7	156·5	155·3	154·6
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	158·1	158·9	157·6	154·9	155·1	158·8	160·3	160·6	162·0	162·7	164·8	164·6
	21	168·6	168·6	169·3	175·0	174·0	173·6	175·4	174·0	174·0	177·7	180·4	180·6
	22	180·0	180·0	179·5	176·8	175·2	173·8	176·8	174·7	173·6	173·1	163·0	170·6
	23	165·8	171·0	172·0	169·6	167·5	165·8	166·3	165·0	165·2	164·5	162·9	161·9
	24	156·2	156·2	156·2	154·9	153·3[a]	152·7	154·0	155·0	155·1	155·1	153·3	155·7
	25	156·1	158·2	158·2	158·2	155·8	153·8	154·8	154·8	155·8	157·2	158·7	158·6
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	158·3	160·7	165·4	161·0	158·7	155·9	153·9	152·7	152·5	152·5	149·4	149·6
	28	155·1	155·1	156·8	154·0	150·1	148·7	148·3	148·3	148·1	147·4	147·3	146·8
	29	154·5	155·9	155·0	152·6	150·9	149·3	149·3	149·3	149·3	149·3	149·3	149·6
	30	145·5	145·5	146·5	146·2	144·7	143·6	143·6	143·5	145·1	145·1	146·1	146·1
	31	149·7	150·5	151·3	150·8	149·0	148·6	148·3	149·5	149·2	149·2	149·2	149·2
Hourly Means		158·59	159·47	159·73	157·88	156·85	156·07	156·44	156·36	156·71	156·76	156·31	157·06

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
OCTOBER.	1	63·0	62·6	62·3	63·5	63·0	63·6	63·6	63·4	63·4	63·0	63·0	63·0
	2	59·3	59·0	59·6	60·0	60·4	60·4	60·6	60·8	61·4	61·6	61·6	61·6
	3	61·4	61·2	60·8	61·0	61·0	61·0	61·0	61·6	61·6	61·8	61·8	61·8
	4	61·0	60·6	60·6	61·0	61·0	61·2	61·6	61·6	61·6	61·6	61·9	62·6
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	53·3	53·3	60·4	54·5	54·5	55·0	55·2	55·8	55·8	56·3	56·6	56·3
	7	53·3	53·2	53·5	54·2	55·0	55·4	56·3	56·5	56·8	57·2	57·5	58·0
	8	58·2	58·0	58·2	58·3	57·6	58·0	59·6	59·6	59·8	59·8	59·8	60·1
	9	61·0	61·0	61·4	61·8	62·4	62·8[b]	63·0	64·0	64·2	64·6	65·0	65·0
	10	62·0	61·8	62·0	62·5	63·2	64·0	64·0	64·0	63·9	64·0	63·9	64·0
	11	64·0	63·8	63·6	63·0	63·0	62·9	62·8	63·4	64·0[c]	63·6	63·2	63·6
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	54·5	54·5	54·9	56·0	56·3	56·6	56·8	56·6	56·8	57·3	57·5	57·3
	14	57·6	57·6	57·4	57·4	57·4	57·4	57·5	57·5	57·5	57·7	58·0	56·1
	15	53·7	53·6	54·3	55·0	54·6[b]	54·3	54·3	54·7	54·5	54·5	54·5	54·4
	16	50·3	50·3	50·5	51·1	51·8	52·3	52·3	52·3	52·8	53·2	53·8	54·0
	17	50·7	50·7	54·5	51·8	52·6	53·0	53·5	54·3	54·4	55·3	56·3	56·3
	18	53·5	53·7	54·0	54·6	55·5	56·3	56·7	57·3	57·6	58·2	58·6	58·9
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	55·3	55·0	54·6	54·6	54·3	54·3	54·3	54·5	54·5	54·5	54·0	53·7
	21	49·4	47 5	48·5	48·6	48·6	48·7	49·0	49·6	49·4	49·2	49·2	48·9
	22	46·6	46·6	46·8	47·0	47·6	48·2	48·4	48·6	49·0	49·3	50·1	50·1
	23	51·3	50·3	50·3	50·6	51·3	51·7	51·9	52·9	53·1	53·3	54·1	54·2
	24	56·1	56·0	56·4	56·3	57·0[c]	57·4	58·0	58 0	58·5	58·5	58·5	59·0
	25	55·6	55·3	55·2	55·3	56·5	56·8	57·5	58·3	58·5	58·6	58·5	58·7
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	55·5	54·8	56·0	55·0	55·5	56·5	57·3	58·3	59·2	59·8	60·0	60·0
	28	57·7	57·5	57·8	57·8	59·0	59·5	60·0	60·4	60·5	61·0	61·6	61·4
	29	58·5	57·8	57·8	58·3	58·9	59·3	59·4	59·6	60·2	60·6	60·8	60·6
	30	62·0	62·0	62·0	61·7	61·8	62·0	62·5	62·5	62·6	62·8	62·5	61·9
	31	60·0	59·6	59·6	59·4	59·4	59·8	59·8	60·0	60·0	60·2	60·0	61·9
Hourly Means		56·47	56·20	56·76	56·68	57·01	57·35	57·66	58·00	58·21	58·43	58·60	58·76

[a] Ten minutes late.

[b] Five minutes late.

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

8h.	9h.	10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
154·3	150·5	151·6	152·	148·8	151·7	153·6	151·9	150·3	149·9	152·9	157·7	153·8	151·9	152·7	154·7	150·99
153·0	152·8	152·0	152·	152·9	152·5	152·5	152·5	151·7	151·7	151·4	151·4	151·5	151·6	149·0	148·9	152·45
153·0	152·4	152·4	152·	152·4	153·1	153·1	153·7	152·6	150·9	149·9	149·6	149·8	149·8	149·8	151·0	151·53
151·1	151·9	150·9	150·	149·0	149·4	148·5	148·5	148·2	148·2	—	—	—	—	—	—	154·23
—	—	—	—	—	—	—	—	—	—	163·7	163·7	162·0	164·6	164·0	164·5	
161·7	161·5	161·5	161·	161·5	161·0	162·8	161·7	158·1	163·3	164·4	164·0	164·4	164·3	160·6	165·4	162·83
161·0	161·4	160·3	159·	159·5	161·5	161·2	160·3[a]	158·5	158·9	158·9	158·3	158·3	158·3	158·2	159·3	161·06
153·9	154·4	155·9	155·	154·8	154·8	154·8	153·9	153·9	154·6	154·6	151·2	151·2	152·0	152·0	152·3	155·02
144·4	147·0	146·7	154·	156·2	161·3	157·9	169·2	159·5	149·8	147·9	145·7	140·6	135·7	126·6	141·0	148·71
147·4	149·2	148·9	150·	150·0	149·0	148·5	146·2	146·2	146·2	138·2	138·2	146·8	145·4	143·7	144·5	146·25
149·3*	149·3	148·9	148·	146·4	145·3	147·4	150·9	150·0	148·7	—	—	—	—	—	—	151·01
—	—	—	—	—	—	—	—	—	—	160·5	160·5	161·5	163·4	162·4	162·4	
159·1	159·1	157·9	159·	160·1	158·9	158·9	159·8	160·6	159·4	157·8	156·7	156·7	159·1	159·1	159·1	159·42
160·0	160·0	163·1	160·	159·0	159·7	159·3	158·5	158·5	160·3	160·3	161·5[a]	162·2	162·9	163·4	163·4	160·80
163·9	163·2	164·8	164·	164·8	164·8	165·7	165·7	166·1	166·2	165·4	165·2	167·9	168·2	169·2	168·4	165·12
167·5	166·6	164·6	164·	165·2	165·2	165·0	166·2	166·2	166·2[d]	164·6	161·1	161·1	165·6	167·5	170·0	166·52
164·9	162·8	161·1	161·	163·7	165·0	167·1	167·8	167·8	164·5	166·2	165·4	164·6	164·3	164·8	164·8	165·48
156·7	156·5	155·3	154·	156·4	156·4	156·4	159·1	159·1	159·8	—	—	—	—	—	—	158·92
—	—	—	—	—	—	—	—	—	—	157·9	157·0	157·0	158·4	158·4	158·7	
162·0	162·7	164·8	166·	166·4	170·0	171·7	171·0	169·6	169·6	162·4	146·9	168·3	170·0	169·0	169·0	163·50
174·0	177·7	180·4	180·	178·6	168·2	177·3	167·4	167·0	173·7	174·4	176·4	176·3	176·3	176·3	176·1	174·11
173·6	173·1	163·0	170·	162·7	159·6	161·3	165·9	164·0	166·4	166·9	166·6	162·0	162·0	164·4	163·5	169·28
165·2	164·5	162·9	161·	161·5	161·5	160·7	160·7	162·3	162·1	162·7	161·6	156·8	155·4	156·8	156·8	163·18
155·1	155·1	153·3	155·	155·9	158·0	158·4	156·3	156·2	156·2	158·1	154·5	156·7	156·7	152·8	153·3	155·43
155·8	157·2	158·7	158·	157·6	157·2	156·6	155·4	154·4	154·4	—	—	—	—	—	—	156·86
—	—	—	—	—	—	—	—	—	—	157·3	157·7	158·9	158·6	157·1	159·4	
152·5	152·5	149·4	149·	149·1	149·1	151·4	151·1	152·0	152·1	152·2	152·4	152·7	154·7	154·9	154·2	154·03
148·1	147·4	147·3	146·	148·2	149·6	149·2	149·3	149·2	149·3	145·8	149·4	151·9	152·8	151·6	154·1	150·26
149·3	149·3	149·3	149·	147·9	148·3	147·1	149·8	146·9	149·9	149·9	149·7	149·1	148·1	147·5	147·4	149·80
145·1	145·1	146·1	146·	146·5	147·0	147·4	148·7	149·8	149·8	148·0	149·1[a]	149·1	149·1	149·1	149·1	146·86
149·2	149·2	149·2	149·	151·2	151·2	152·7	140·4	149·4	148·0	148·0	146·7	144·4	145·0	132·4	140·4	148 06
156·71	156·76	156·31	157·	156·53	156·64	157·28	157·44	156·60	156·67	157·05	156·23	156·87	157·19	156·27	157·47	157·10

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

8h.	9h.	10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
63·4	63·0	63·0	63·	63·0	63·0	62·6	62·4	62·6	61·6	61·0	60·0	60 2	60·0	59·8	59·6	62·22
61·4	61·6	61·6	61·	61·8	62·0	61·8	61·6	61·6	61·6	61·6	61·6	61·6	61·6	61·6	61·6	61·10
61·6	61·8	61·8	61·	61·6	61·6	61·6	62·0	62·1	62·0	61·6	61·8	61·6	61·6	61·6	61·4	61·52
61·6	61·6	61·9	62·	62·6	62·7	62·7	62·7	62·7	62·7	—	—	—	—	—	—	59·90
—	—	—	—	—	—	—	—	—	—	54·5	54·5	54·3	54·1	54·0	53·8	
55·8	56·3	56·6	56·	56·3	56·6	56·6	56·8	56·9	55·8	55·3	55·0	55·0	54·5	54·3	53·8	55·58
56·8	57·2	57·5	58·	58·0	58·0	58·0	58·0[a]	58·0	58·3	58·3	58·6	58·7	58·3	58·5	58·2	56·91
59·8	59·8	59·8	60·	60·6	60·8	60·6	60·4	60·1	60·4	60·6	60·4	60·2	61·0	61·2	61·0	59·76
64·2	64·6	65·0	65·	65·0	64·8	64·6	64·5	64 0	63·6	63·4	63·0	62·6	62·7	62·2	62·2	63·28
63·9	64·0	63·9	64·	63·6	63·8	63·8	63·8	63·8	63·8	64·0	64·0	63·8	63·8	63·8	64·2	63·56
64·0*	63·6	63·2	63·	63·4	63·4	63·4	63·0	62·5	62·3	—	—	—	—	—	—	61·25
—	—	—	—	—	—	—	—	—	—	55·7	55·5	55·3	55·2	55·0	54·5	
56·8	57·3	57·5	57·	57·3	57·3	57·0	57·2	57·2	57·0	57·0	57·0	57·0	57·1	57·3	57·6	56·71
57·5	57·7	58·0	58·	57·8	57·6	57·3	56·8	56·3	56·3	56·1	55·8[a]	55·4	55·0	54·6	54·2	56·85
54·5	54·5	54·5	54·	54·0	53·8	53·6	53·2	53·0	52·6	52·2	52·0	51·3	51·2	50·6	50·5	53·35
52·8	53·2	53·8	54·	54·0	53 6	53·4	53·4	53·2	52·6[d]	52·4	52·0	51·7	51·3	51·2	51·0	52·27
54·4	55·3	56·3	56·	56·5	56·3	56·3	56·0	55·6	55·5	55·1	55·0	54·5	54·5	54·3	54·0	54·47
57·6	58·2	58·6	58·	58·5	58·5	58·5	58·5	58·5	58·3	—	—	—	—	—	—	56·74
—	—	—	—	—	—	—	—	—	—	56·2	56·2	56·2	55·8	56·0	55·7	
54·5	54·5	54·0	53·	53·3	53·0	52·6	52·2	51·7	51·3	51·1	50·8	50·4	50·3	50·0	49·4	52·90
49·4	49·2	49·2	48·	48·6	48·4	48·4	48·6	48·6	48·4	48·2	47·7	47·8	47·5	47·2	47·0	48·45
49·0	49·3	50·1	50·	52·6	53·9	53·3	54·0	52·3	52·1	51·7	51·5	52·3	52·5	52·2	51·5	50·35
53·1	53·3	54·1	54·	55·2	55·5	55·5	55·8	55·8	55·6	55·6	55·5	56·3	56·3	56·2	56·1	53·93
58·5	58·5	58·5	59·	59·2	59·0	58·4	58·3	58·3	57·9	57·3	57·2	56·8	56·8	56·6	55·9	57·56
58·5	58·6	58·5	58·	59·1	59·0	59·1	59·1	59·5	59·7	—	—	—	—	—	—	57·34
—	—	—	—	—	—	—	—	—	—	56·4	56·4	56·0	56·0	55·6	55·4	
59·2	59·8	60·0	60·	60·8	60·8	60·4	59·8	59·6	59·4	59·2	59·2	59·2	58·8	58·5	58·0	58·43
60·5	61·0	61·6	61·	61·4	61·4	61·2	61·4	61·0	61·2	60·6	60·0	59·6	59·2	59·0	58·9	59·96
60·2	60·6	60·8	60·	60·8	61·0	61·0	60·8	60·6	60·4	60·4	61·0	61·2	61·8	62·0	62·2	60·21
62·6	62·8	62·5	61·	61·6	61·0	60·6	61·0	61·0	61·0	60·8	60·2[a]	60·0	60·0	60·0	60·0	61·39
60·0	60·2	60·6	61·	61·0	61·0	61·0	60·6	60·8	61·0	61·0	61·4	61·5	61 6	61·3	61·3	60·51
58·21	58·43	58·60	58·	58·60	58·61	58·65	58·59	58·42	58·24	57·31	57·16	57·06	56·98	56·84	56·63	57·65

[a] Two minutes late.

[d] Six minutes late.

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

Mean Göttingen Time.		0h.	1h.	2h	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Di
NOVEMBER.	1	145·5	149·3	149·8	149·8	148·1	147·1	151·5	150·7	154·2	155·0	156·7	156
	2	—	—	—	—	—	—	—	—	—	—	—	-
	3	167·7	169·3	169·3	170·7	169·8	169·2	168·3	168·1	167·2	166·6	166·6	166
	4	165·1	165·1	163·9	162·6	161·1	161·5	161·6	161·1	162·9	163·1	163·8	163
	5	162·5	162·5	162·2	160·6	162·6	162·4	160·9	162·3	163·7	163·7	163·7	162
	6	162·4	163·1	162·6	161·7	155·9	161·6	162·6	162·6	163·8	162·6	162·6	161
	7	154·7	158·7	158·2	158·2	159·2	160·2	161·7	162·6	164·7	163·4	163·4	163
	8	163·6	163·6	164·5	165·2	165·0	165·0	166·7	166·7	168·8	168·6	168·1	167
	9	—	—	—	—	—	—	—	—	—	—	—	-
	10	178·9	178·2	177·2	175·3	173·7	172·9	172·9	172·9	172·8[a]	171·3	169·9	172
	11	168·8	168·8	169·5	168·6	168·4	168·8	168·8	168·3	168·3	166·6	166·6	166
	12	167·2	167·9	167·3	167·0	166·9	167·1	166·0	166·0	165·6	167·0	165·2	163
	13	169·2	167·4	158·3	164·7	163·4	162·4	162·4	163·0[b]	162·4	160·3	158·9	158
	14	161·5	162·2	162·2	163·4	162·1	160·5	159·4	159·4	159·9	159·9	159·9	158
	15	160·6	164·1	153·2	160·2	159·2	158·8	158·8	160·5	161·6	161·6	160·6	159
	16	—	—	—	—	—	—	—	—	—	—	—	-
	17	146·7	146·7	154·8	157·4	161·0	162·7	163·9	164·4	166·9	166·0	164·2	162
	18	157·6	158·4	158·5	157·5	157·8	158·9	158·1	159·2	159·6	159·3	159·3	157
	19	157·1	157·4	157·7	162·7	162·6	162·8	165·4	165·2	165·2	164·9	167·4	166
	20	165·2	165·2	166·4	165·0	161·0	163 3	160·5	161·3	161·3	161·9	161·9	159
	21	163·3	163·8	163·5	161·5	164·7	164·7	167·0	169·2	169·2	171·3	170·3	164
	22	165·8	165·6	137·7	153·7	170·2	173·9	173·6	173·6	166·6	172·1	170·6	173
	23	—	—	—	—	—	—	—	—	—	—	—	-
	24	183·6	182·5	182·7	185·4	183·0	182·3	179·8	186·3	186·2	185·9	185·9	187
	25	182·1	182·5	181·9	181·5	179·6	180·5	179·5	179·7	179·7	179·7	179·7	178
	26	175·8	175·3	175·3	174·0	174·1	174·7	177·3	179·2	175·5	179·7	179·7	179
	27	177·1	177·6	178·1	178·1	178·1	180·0	180·0	180·8	182·3	181·1	181·7	179
	28	177 6	182·4	182·4	184·6	185·4	185·4	187·2	184·1	184·1	183·5	182·3	177
	29	179·1	179·3	177·7	179·0	180·8	178·7	181·5	180·0	179·5	179·5	179·7	181
	30	—	—	—	—	—	—	—	—	—	—	—	-
Hourly Means		166·35	167·08	165·40	166·74	166·95	167·42	167·82	168·29	168·48	168·58	168·35	167

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	
NOVEMBER.	1	60·8	60·0	60·6	60·0	60·4	60·5	60·3	61·0	61·0	60·8	61·0	60
	2	—	—	—	—	—	—	—	—	—	—	—	-
	3	49·5	49·5	49·3	49·5	49·5	50·0	50·5	51·0	51·3	52·0	51·9	52
	4	52·7	52·6	52·5	52·3	53·0	53·3	53·5	53·8	54·1	54·2	54·3	54
	5	53·3	53·3	53·2	53·3	53·3	53·4	54·1	54·4	54·2	54·2	54·2	54
	6	54·0	54·0	53·5	53·5	53·3	53·5	53·5	53·7	54·0	54·2	54·4	55
	7	53·9	53·5	53·6	53·5	53·5	53·5	53·7	54·3	54·3	54·3	54·5	54
	8	54·0	53·5	53·0	52·3	52·1	51·9	51·5	51·1	50·8	50·4	50·3	50
	9	—	—	—	—	—	—	—	—	—	—	—	-
	10	44·2	44·6	44·8	44·7	45·1	45·7	46·4	47·6	47·9[a]	48·7	49·5	50
	11	50·3	50·3	50·0	50·3	50·2	50·2	50·4	50·7	51·4	51·8	51·8	51
	12	50·6	50·4	50·5	50·4	51·0	51·3	51·9	52·3	52·3	52·3	52·3	52
	13	52·4	52·4	52·8	52·0	52·8	53·5	53·5	54·0[b]	54·3	55·0	55·2	54
	14	53·5	53·0	53·0	52·7	52·8	53·5	54·1	54·2	54·3	54·3	54·3	54
	15	53·3	52·8	54·0	52·8	53·8	54·1	54·1	54·3	54·2	54·0	54·4	54
	16	—	—	—	—	—	—	—	—	—	—	—	-
	17	52·4	52·4	52·4	52·4	52·3	52·3	52·7	52·7	53·2	53·3	53·6	53
	18	56·3	56·2	56·0	56·2	56·0	56·3	57·0	56·3	56·7	56·7	57·3	57
	19	55·7	55·7	54·7	53·8	53·3	53·5	53·5	53·6	53·3	53·0	52·3	51
	20	52·0	52·0	52·0	52·2	52·5	53·0	54·0	53·8	53·8	53·6	53·6	54
	21	51·8	51·5	52·4	51·3	50·3	50·0	49·4	49·4	49·4	48·2	48·0	47
	22	46·1	46·4	46·9	46·6	46·6	45·7	45·6	46·5	46·0	46·4	45·5	45
	23	—	—	—	—	—	—	—	—	—	—	—	-
	24	40·5	40·4	40·4	40·0	40·5	40·5	40·3	40·0	40·2	40·0	39·8	39
	25	41·5	41·5	41·5	40·5	41·0	41·6	42·4	42·3	42·8	42·8	42·8	42
	26	45·0	44·8	44·6	44·6	44·4	44·2	43·6	43·6	42·6	42·4	42·6	42
	27	44·0	43·6	43·0	42·4	42·4	41·6	41·9	41·7	41·7	41·8	42·0	42
	28	38·8	38·6	40·0	39·3	39·9	39 8	40·0	40·0	40·2	40·2	41·1	42
	29	42·8	42·9	42·6	42·0	41·6	41·6	42·0	42·6	42·8	42·6	42·6	42
	30	—	—	—	—	—	—	—	—	—	—	—	-
Hourly Means		49·98	49·64	49·63	49·54	49·66	49·78	49·99	50·20	50·27	50·29	50·37	50

[a] Four minutes late.

[b] Five minutes late.

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

12^{h}.	13^{h}.	14^{h}.	15^{h}.	16^{h}.	17^{h}.	18^{h}.	19^{h}.	20^{h}.	21^{h}.	22^{h}.	23^{h}.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
152·7	149·0	149·0	151·8	150·7	149·6	—	—	—	—	—	—	
—	—	—	—	—	—	163·1	160·6	160·3	160·3	159·9	166·2	153·65
164·3	164·3	164·3	163·5	163·3	163·3	163·0	162·4	164·0	164·0	164·5	164·5	165·98
163·8	164·1	164·3	162·9	162·9	163·8	162·2	158·2	157·7	159·7	159·0	160·8	162·29
162·5	162·5	163·4	163·4	163·0	163·9	163·9	164·0	164·0	162·9	161·4	162·4	162·79
161·1	161·9	161·9	161·9	161·8	158·3	161·7	162·4	160·2	152·2	153·6	154·7	160·60
164·1	163·2	163·2	163·2	163·2	160·9	160·9	162·2	163·2	163·2	163·2	162·5	161·73
167·8	168·6	168·2	165·4	165·4	165·4	—	—	—	—	—	—	
—	—	—	—	—	—	180·6	180·6	179·6	179·0	179·0	179·8	169·69
172·3	172·7	169·3	170·9	168·4	171·6	170·0	170·3	169·8	169·8	169·5	169·5	172·18
165·6	165·6	165·5	165·9	165·5	163·0	166·8	166·8	166·1	167·2	167·2	167·2	167·08
163·9	165·2	163·2	163·8	165·2	164·8	164·8	165·7	164·0	162·9	163·6	169·2	165·56
158·5	158·5	158·5	160·6*	160·4	159·5	158·1	157·1	156·9	157·6	156·8	160·0	160·57
158·5	156·8	157·5	157·5	157·5	154·9	156·3	159·6	159·6	160·6	161·0	160·9	159·55
159·3	159·2	157·6	157·6	160·7	160·7	—	—	—	—	—	—	
—	—	—	—	—	—	158·9	159·6	161·8	161·8	132·7	145·5	158·08
164·3	164·9	162·7	162·1	160·1	159·9	156·8	157·9	157·9	156·3	157·2	157·2	159·77
157·9	157·9	157·7	156·7	155·1	155·1	154·8	150·8	150·1	144·0	145·8	153·5	155·89
167·0	166·3	165·2	166·4	166·4	165·8	164·1	161·7	164·4	164·0	164·0	163·4	163·96
159·3	159·8	160·6	163·7	160·5	159·7	163·9	163·6	162·7	162·8	162·8	163·5	162·40
164·6	164·2	166·5	164·0	162·1	162·9	161·6	160·5	161·6	163·6	162·1	162·2	164·52
173·7	174·2	171·8	173·3	172·3	171·2	—	—	—	—	—	—	
—	—	—	—	—	—	182·6	183·7	183·7	183·8	183 8	183·7	172·37
186·0	184·5	183·1	183·5	180·5	182·5	182·5	182·6	181·9	181·8	181·8	181·8	183·49
177·2	177·2	176·6	175·3	175·0	174·7	174·7	174·7	174·7	174·3	174·0	175·8	177·90
179·0	177·1	176·6	175·7	175·7	175·7	176·4	176·4	176·4	176·0	176·0	176·0	176·56
179·2	179·6	179·0	181·7	183·1	184·3	184·3	177·8	180·6	178·0	175·5	169·4	179·44
174·0	173·4	174·0	174·4	173·8	177·7	176·9	175·1	176·6	175·8	177·8	179·1	179·37
182·2	182·2	181·0	180·5	175·4	175·4	—	—	—	—	—	—	
—	—	—	—	—	—	188·9	188·9	188·4	190·0	187·7	187·4	181·85
167·15	166·92	166·43	166·71	165·92	165·78	167·91	167·33	167·45	166·86	165·60	167·05	167·09

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
60·6	60·1	60·0	60·0	59·6	59·4	—	—	—	—	—	—	
—	—	—	—	—	—	50·7	50·7	50·7	50·0	49·7	49·6	57 84
52·4	53·0	52·6	52·7	53·0	53·0	52·7	52·7	52·5	52·5	52·5	52·6	51·60
54·3	54·3	54·3	54·5	54·5	54·3	54·3	54·3	54·3	54·3	53·9	53·5	53·81
54·0	53·7	53·7	54·0	53·7	53·5	53·5	53·1	52·9	53·4	54·0	54·2	53·70
55·0	54·8	54·8	54·6	54·3	54·5	54·4	54·3	54·3	54·3	54·3	54 0	54·17
54·3	54·3	54·3	54·2	54·2	54·2	54·2	54·2	54·0	53·8	53·8	54·0	54·01
50·3	50·3	50·3	50·2	50 0	50·0	—	—	—	—	—	—	
—	—	—	—	—	—	42·4	42 8	43·0	43·2	43·6	44·0	49·22
50·5	50·5	50·2	50·0	50·3	50·0	49·8	49 8	50·0	50·3	50·7	50·0	48·40
51·5	51·5	51·5	51·3	51·3	51·3	51·3	50·8	50·6	50·8	51·0	51·0	50·96
52·8	52·8	52·6	51·5	51·8	52·0	52·0	52·0	52·7	53·0	52·8	52·6	51·95
54·9	54·3	54·3	54·2*	54·5	54·6	54·3	54·5	54·7	54·5	54·5	54·3	54·01
55·2	55·2	55·2	55·2	55·2	55·2	55·2	54·7	54·0	53·5	53·3	53·3	54·15
54·2	54·0	53·6	53·0	53·0	53·0	—	—	—	—	—	—	
—	—	—	—	—	—	53·1	52·5	52·4	52·4	52·3	52·4	53·42
53·6	53·6	53·8	54·6	54·9	55·2	55·4	54·9	54·7	55·9	56·3	56·4	53·86
57·7	57·6	57·7	57·7	57·9	57·8	57·6	57·4	57·4	57·5	57·6	56·2	57·02
52·3	52·5	52·3	52·7	52·7	52·4	52·2	52·0	52·0	52·0	51·8	51·2	52·93
54 2	54·0	54·0	53·6	53·0	52·6	52·6	52·5	52·3	52 3	52·0	52·3	53·01
47·4	48·0	48·0	48·0	47·7	47·5	47·5	47·9	47·7	47·0	47·2	47·4	48·77
45·8	46·0	46·5	46·6	47·0	47·3	—	—	—	—	—	—	
—	—	—	—	—	—	40·8	40·6	40·6	40·4	40·4	40·6	44·85
40·0	40·4	40·6	40·4	40·6	40·7	40·7	41·6	41·4	41·5	41·4	41·6	40·55
43·4	43·6	44·3	44·6	45·4	45·6	45·6	45·6	45·4	45·4	45·4	45·0	43·45
43·0	44·0	44·4	44·4	44·4	44·4	44·2	44·0	44·0	44·4	44·6	44·6	43·97
41·8	42·0	42·4	41·6	40·9	40·4	39·9	40·0	39·9	39·9	39·6	39·0	41·48
43·4	44·6	44·6	45·3	45·6	43·8	43·6	43·7	43·8	43·7	43·6	42·8	42·03
41·8	41·8	42·1	41·6	42·6	42·6	—	—	—	—	—	—	
—	—	—	—	—	—	37·1	37·1	37·6	37·9	38·1	37·9	41·11
50·56	50·68	50·72	50·66	50·72	50·61	49·40	49·35	49·32	49·36	49·38	49·22	50·01

11. * Twenty-two minutes late. 3 I

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

Mean Göttingen Time.		0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
DECEMBER.	1	187·7	187·7*	188·7	186·5	185·6	186·5	186·5	186·5	189·6	189·6	190·0	189·9
	2	187·7	187·2	181·6	184·5	185·5	186·7	188·0	188·8	188·8	185·9	185·9	189·4
	3	177·4	179·8	189·0	187·8	187·8	192·4	199·6	208·6	212·4	232·8	223·8	215·8
	4	189·0	189·0	189·0	187·7	187·1	184·7	185·5	183·6	181·9	180·8	178·5	178·6
	5	176·0	176·4	174·9	174·9	177·7	177·7	179·1	180·1	181·5	181·5	182·7	182·6
	6	178·1	177·1	179·1	179·2	179·2	178·5	178·3	177·3	179·8	180·0	179·5	179·6
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	190·2	191·3	188·0	187·1	185·9	185·5	185·0	184·6	184·6	183·8	183·8	180·7
	9	177·3	177·3	176·8	176·8	176·8	175·5	175·2	175·2	175·4	175·9[b]	175·9	173·8
	10	179·0	179·0	179·5	180·1	180·1	178·6	179·7	180·3	182·3	182·2	182·2	182·7
	11	186·6	186·7	188·3	188·3	189·6	189·4	189·4	190·4	190·4	190·4	189·5	189·1
	12	190·9	190·9	192·2	194·8	193·0	193·0	193·0	193·6	193·4	192·7	190·7	191·1
	13	182·1	178·7	178·1	180·9	179·7	180·4	181·3	183·6	184·5	184·1	183·5	185·9
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	171·0	172·2	174·2	175·0	174·8	174·0	174·6	178·4	182·6	181·7	181·4	179·7
	16	181·1	178·6	175·3	178·8	179·3	177·5	176·7	175·9	175·6	175·6	174·8	174·8
	17	174·3	172·9	173·8	173·0	173·0	173·0	172·3	173·3	174·0	174·6	173·9	168·2
	18	162·8	160·3	163·6	164·8	164·8	163·5	164·3	166·1	167·5	167·5	168·2	168·1
	19	179·0	180·7	182·9	185·0	185·0	184·5	185·4	185·4	186·8	186·8	188·0	187·9
	20	191·7	192·5	191·3	191·0	190·0	188·8	189·0	189·1	189·1	188·7	188·4	189·4
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	198·2	195·5	195·9	194·8	193·0	192·4	192·0	190·9	189·8	188·8	188·8	186·1
	23	189·3	188·9	188·9	188·5	186·0	184·4	183·2	182·7	183·5	184·2	183·6	183·1
	24	175·8	175·7	179·4	181·6	181·0	181·6	180·9	179·9	179·8	179·5	178·4	178·6
	25	—*	—	—	—	—	—	—	—	—	—	—	—
	26	190·4	190·4	188·2	188·1	187·2	186·3	186·1	184·8	184·5	184·5	184·5	184·2
	27	185·4	185·4	185·6	185·3	188·0	184·8	181·3	181·8	183·3	183·3	186·0	184·2
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	177·3	176·8	173·5	176·6	176·1	174·7	174·2	172·4	170·8	171·1	170·9	169·6
	30	163·0	165·6	166·0	177·3	175·6	173·8	173·8	173·8	176·2	176·7	173·6	173·9
	31	179·9	181·0	175·7	185·3	184·7	181·6	180·3	180·6	180·5	180·7	182·0	182·6
Hourly Means		181·58	181·45	181·52	182·83	182·56	181·92	182·10	182·60	183·41	183·98	183·40	182·7

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

		°	°	°	°	°	°	°	°	°	°	°	°
DECEMBER.	1	37·0	38·2*	38·2	37·6	38·2	37·7	37·2	37·0	37·0	37·2	37·4	36·8
	2	36·8	36·5	37·0	37·0	37·6	37·9	37·5	36·9	37·9	38·8	38·0	38·4
	3	38·6	36·3	36·0	35·7	36·0	36·1	36·6	37·0	37·1	37·6	37·4	37·6
	4	39·8	40·0	40·0	40·0	40·0	40·6	41·0	42·0	42·8	43·6	44·2	44·6
	5	44·5	44·4	44·1	44·0	43·2	43·2	43·7	43·8	43·8	43·6	43·6	43·6
	6	44·2	44·6	43·8	43·6	43·6	43·8	44·2	44·6	44·5	44·6	44·4	44·2
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	37·6	37·8	38·0	38·4	38·7	39·1	39·9	40·0	40·4	40·7	41·4	41·7
	9	44·6	44·6	44·2	43·7	44·2	44·5	44·6	45·0	45·4	45·6[b]	45·6	45·4
	10	42·2	41·8	41·7	41·7	41·9	42·1	42·1	42·0	41·7	41·0	40·8	40·6
	11	38·2	37·8	37·1	36·6	36·6	36·8	36·8	36·6	36·6	36·6	36·8	37·0
	12	35·6	35·0	33·7	34·0	34·2	34·2	34·4	34·8	35·0	35·7	36·4	36·2
	13	37·8	38·0	38·0	38·0	38·8	39·6	40·0	40·3	40·6	41·6	42·0	42·1
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	44·6	44·2	44·0	43·1	44·6	45·0	44·6	44·6	44·6	44·3	44·0	44·1
	16	43·7	44·0	43·0	42·6	42·7	43·5	44·0	44·6	45·2	45·8	46·0	46·4
	17	45·4	45·6	45·7	45·4	45·6	45·6	45·8	46·2	46·4	46·6	46·8	46·9
	18	50·5	50·5	49·7	49·1	49·0	49·3	49·3	49·5	49·5	49·5	49·6	49·7
	19	41·4	40·8	40·6	40·5	39·6	39·4	39·4	38·9	38·7	38·6	38·2	37·8
	20	35·2	35·4	35·6	35·3	35·5	36·0	36·0	36·6	37·0	37·4	37·8	36·8
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	30·8	31·4	31·6	32·1	32·4	33·2	34·1	34·6	35·2	35·8	36·2	36·2
	23	36·5	36·5	36·3	36·2	37·0	37·2	38·0	38·6	39·5	39·5	39·6	40·1
	24	41·6	41·6	40·3	40·4	40·2	40·2	40·4	41·0	41·2	42·0	42·8	42·9
	25	—*	—	—	—	—	—	—	—	—	—	—	—
	26	34·3	34·3	34·6	35·0	35·4	35·4	36·2	37·0	37·6	38·0	38·8	38·6
	27	36·6	36·2	36·2	36·4	36·4	37·0	38·0	38·2	37·6	38·2	38·6	38·6
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	43·0	43·2	43·2	43·0	43·2	43·6	44·4	45·0	45·2	45·6	46·2	45·8
	30	45·4	45·2	44·8	44·6	44·6	45·2	45·6	45·4	45·4	45·2	46·4	44·8
	31	41·0	40 2	40·0	39·6	39·7	40·5	40·5	40·7	40·4	40·3	40·3	40·4
Hourly Means		40·22	40·16	39·91	39·75	39·97	40·26	40·55	40·91	41·02	41·30	41·52	41·26

* Three minutes late. [b] Two minutes late. * Five minutes early.

VERTICAL FORCE.

One Scale Division = ·000063 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
185·2	187·8	187·8	189·1	189·1	186·6	187·9	187·9	187·9	185·7	184·9	184·9	187·57
187·7	188·3	188·3	188·3	188·3	188·2	188·2	188·2	186·8	179·8	178·2	171·7	185·92
217·5	217·8	184·4	182·8	205·9	205·9	198·5	198·2	195·9	194·3	192·9	192·8	199·76
179·6	179·0	178·2	179·7	180·3	179·5	180·7	179·6	179·6	175·0	171·1	173·7	181·30
182·3	182·3	182·7	183·6	178·9	180·3	180·5	182·3	181·7	180·7	178·7	178·1	179·87
179·5	180·8	181·8	180·2	180·2	180·2	—	—	—	—	—	—	181·18
—	—	—	—	—	—	—	—	188·6	189·8	192·0	187·3	
179·8	179·2	178·8	180·8	180·8	177·3	175·8	175·7	175·7	175·9	176·4	176·4	181·80
175·9	175·9	175·9	177·2	176·4	177·0	177·6	177·5	176·0	175·8	176·0	179·0	176·42
182·0	182·6	184·0	183·7	184·4	184·2	184·6	185·0	185·0	186·3	186·3	186·1	182·50
189·2	190·0	190·2	190·7	191·2	191·2	191·2[a]	191·1	192·6	191·5	191·5	189·8	189·95
191·5	191·5	189·7	191·0	191·0	191·0	191·0[a]	190·4	190·8	190·8	187·9	186·2	191·35
185·2	182·7	181·9	181·9	181·9	181·9	—	—	—	—	—	—	181·67
—	—	—	—	—	—	180·5	180·5	181·9	182·2	179·0	178·5	
178·4	178·3	177·9	177·9[a]	180·5	178·5	179·6	175·6	178·1	181·1	181·1	181·1	177·82
175·6	175·6	176·0	174·6	173·0	173·0	173·0	172·9	172·9	172·6	170·5	170·9	175·19
168·6	167·4	168·2	164·5	161·8	163·7	163·1	163·8	161·1	160·6	160·1	159·9	168·32
168·1	168·6	168·6	169·2	169·2	170·0	170·0	171·7	173·6	173·3	172·8	179·0	168·15
188·6	187·4	189·0	187·4	188·5	188·5	190·7	190·3	190·8	191·9	192·4	191·0	187·25
189·2	189·5	190·0	190·0	191·0	192·6	—	—	—	—	—	—	192·26
—	—	—	—	—	—	198·6	199·2	199·3	199·3	199·3	198·2	
188·8	188·8	189·5	189·5	189·7	189·8[a]	189·1	190·3	190·3	190·7	190·4	190·1	191·05
181·7	181·1	180·3	179·3	179·3	179·6	179·6	180·6	180·2	180·2	179·7	180·2	182·85
178·0	177·6	178·4	178·4	178·1	177·5	—	—	—	—	—	—	181·88
—	—	—	—	—	—	190·5	190·5	191·4	191·4	191·4	190·4	
185·6	185·4	184·5	185·4	185·4	186·6	186·6	183·3	185·0	183·3	185·1	185·3	185·87
184·3	185·3	184·2	183·1	182·9	181·9	—	—	—	—	—	—	183·17
—	—	—	—	—	—	181·2	180·7	180·3	179·8	178·9	178·9	
169·8	169·8	169·7	169·6	168·1	164·9	163·4	166·1	166·6	162·6	163·9	164·6	170·14
178·1	178·1	177·3	176·7	175·7	175·5	175·8	172·7	172·7	174·6	177·7	177·9	174·24
182·8	182·8	182·8	182·8	182·8	182·8	182·8	182·8	184·0	183·6	183·3	182·7	182·15
182·81	182·83	181·54	181·44	182·09	181·93	182·42	182·32	182·65	182·03	181·80	181·33	182·30

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
37·4	37·2	36·9	36·0	38·0	38·0	38·1	38·1	36·9	37·6	37·6	37·8	37·62
39·2	39·1	38·7	38·7	38·7	39·0	38·7	37·5	37·2	37·0	37·0	37·0	37·84
37·6	37·8	38·0	39 3	39·6	38·4	38·4	38·6	38·6	39·0	39·6	39·4	37·68
44·4	44·4	44·6	44·8	44·6	44·4	44·4	43·6	43·[illegible]	44·0	44·4	44·6	42·93
43·6	43·6	43·4	43·0	42·8	43·2	43·4	43·0	43·[illegible]	43·6	43·6	44·2	43·60
43·6	43·5	43·4	43·8	43·8	43·9	—	—	—	—	—	—	42·78
—	—	—	—	—	—	—	—	37·2	37·2	37·0	37·6	
42·4	42·7	43·0	43·0	43·0	43·8	44·5	44·6	44·6	44·5	44·5	44·6	41·62
45·6	45·2	45·0	45·0	44·6	44·6	44·2	44·1	43·6	43·6	43·2	42·6	44·54
40·0	39·8	39·6	39·8	39·8	39·0	38·6	38·4	38·4	38·6	39·3	38·4	40·39
37·3	37·0	37·0	38·5	36·1	36·1	36·1[a]	35·7	35·9	36·0	36·0	36·0	36·66
36·5	36·5	36·8	37·0	37·0	37·0	37·0[a]	37·0	37·3	37·3	37·5	38·0	36·00
42·6	42·9	42·8	42·9	42·9	42·8	—	—	—	—	—	—	41·25
—	—	—	—	—	—	42·2	42·2	42·2	42·4	42·8	44·0	
44·7	44·7	44·3	43·6[a]	42·8	42·6	42·6	42·4	42·0	42·0	41·7	41·4	43·61
46·2	46·2	46·0	46·4	46·4	46·6	46·0	45 0	45·0	45·0	45 2	45·4	45·04
49·6	49·7	49·1	49·6	51·0	50·6	50·5	50·5	51·1	50·7	50·8	50·7	48·26
49·0	49·0	48·9	48·7	48·5	48·4	47·7	46·4	45·0	43·7	43·2	42·0	48·13
37·3	37·3	37·3	37·3	37·3	36·2	34·7	35·5	35·2	35·2	35·4	35·0	37·82
36·8	36·4	36·4	36·0	36·0	35·8	—	—	—	—	—	—	34·81
—	—	—	—	—	—	30·6	30·8	30·8	30·8	30·3	30 3	
36·6	36·3	36·3	37·0	37·0	36·8[a]	36·8	36·2	36·0	35·7	35·6	36·1	35·03
40·0	40·6	41·2	41·2	41·1	41·2	41·1	41·2	41·5	41·6	41·6	41·6	39·54
42·0	42·2	42·4	42·4	42·8	42·8	—	—	—	—	—	—	39·85
—	—	—	—	—	—	35·0	34·8	34·8	34·6	34·4	34·6	
38·6	38·2	38·5	37·4	37·2	36·7	37·1	37·6	37·8	38·0	37·8	37·0	36·94
38·8	39·0	39·6	40·0	40·0	40·0	—	—	—	—	—	—	38·88
—	—	—	—	—	—	40·4	40·7	40·8	41·4	41·7	42·2	
45·8	45·4	45·6	46·2	46·6	46·8	46 6	47·0	47·0	46·7	46 3	45·8	45·30
44·6	44·6	44·4	44·2	44·4	44·2	44·2	43·6	42·8	42·8	42·0	41·6	44·42
40·3	40·5	40·3	40·3	40·3	40·0	40·0	39·8	39·8	40·0	40·0	40·0	40·22
41·54	41·53	41·52	41·62	41·63	41·50	40·76	40·57	40·37	40·35	40·33	40·30	40·79

[a] Twenty-one minutes late.

[b] Christmas-day.

January 22nd and 23rd. MAGNETICAL OBSERVATIONS.

Mean Göttingen Time.		Angular Value of one Scale Division = 0''·721. DECLINATION.										
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	116·8	116·0	121·7	118·1	118·7	117·4	118·0	116·1	117·1	121·3	118·6
5	0	116·9	116·0	123·0	117·2	118·4	117·4	117·0	117·2	117·2	119·9	118·4
10	0	117·0	115·9	124·2	116·3	118·0	118·0	116·2	117·3	118·0	119·1	118·1
15	0	117·0	116·5	126·9	116·2	118·0	117·6	116·0	117·4	117·6	118·2	119·0
20	0	116·0	116·2	129·2	116·5	117·4	117·4	116·4	118·0	117·9	117·0	118·3
25	0	115·8	116·2	130·2	117·0	117·0	117·7	117·8	118·8	118·6	116·0	118·9
30	0	116·0	116·0	125·9	117·4	117·2	116·1	118·1	117·9	116·9	115·6	119·2
35	0	115·6	116·1	121·7	117·3	118·0	118·0	118·9	117·2	115·5	116·2	119·6
40	0	115·2	117·0	118·2	117·8	117·3	118·6	118·5	117·5	117·1	116·2	120·3
45	0	115·2	118·6	116·2	118·1	117·0	118·0	117·1	117·8	119·6	117·8	120·7
50	0	115·4	119·7	116·8	118·7	117·2	119·7	116·1	117·6	121·0	118·0	120·9
55	0	115·6	120·8	117·9	118·6	117·4	118·0	115·8	117·5	121·2	119·0	121·3
		One Scale Division = ·000087 parts of the H. F. HORIZONTAL FORCE.										
M.	S.											
2	0	580·0	578·0	553·1	580·2	580·9	573·8	575·5	571·0	571·9	582·8	576·2
7	0	578·0	576·8	551·0	580·0	578·0	573·8	575 6	572·4	570·4	581·7	575·3
12	0	577·5	577·3	552·7	579·9	577·7	574·6	574·8	572·4	570·2	580·9	575·9
17	0	578·0	580·2	558·4	579·0	578·0	576·2	572·8	572·7	569·3	580·6	577·1
22	0	577·9	580·0	564·0	578·6	577·6	575·6	571·0	573·5	570·4	578·9	576·9
27	0	578·0	575·9	574·3	578·0	576·8	575·8	572·7	572·9	576·2	576·1	577·2
32	0	578·7	572·0	578·8	577·6	577·5	575 0	573·7	573·0	578·4	575·9	577·1
37	0	579·0	569·5	580 0	578·6	577·6	574·7	573·9	572·8	577·9	573·8	575·9
42	0	577·8	567·8	580·1	579·6	576·0	575·0	574·1	572·7	576·4	573·5	575·4
47	0	577·4	563·5	579·5	580·0	574·6	574·5	573·4	573·4	575·7	573·1	576 0
52	0	577·5	561·3	579·0	579·6	574·0	574·5	572·9	573·1	582·2	574·1	575·6
57	0	577·4	557·7	579·2	581·4	574·0	575·0	572·9	572·8	582·9	574·5	574·7
Thermometer		47°·8	48°·4	48°·4	48°·3	48°·2	48°·0	47°·7	47°·0	47°·0	46°·4	45°·9
		One Scale Division = ·000063 part of the V. F. VERTICAL FORCE.										
M.	S.											
3	0	91·3	90·9	86·6	87·8	87·0	86·2	87·2	87·7	87·1	89·5	89·6
8	0	91·3	90·9	86·6	88·0	88·2	86·3	87·6	87·9	87·1	89·5	89·3
13	0	90·0	89·6	87·9	87·8	88·2	85·9	87·6	87·3	87·1	88·5	89·0
18	0	90·0	91·2	88·4	88·5	87·3	86·2	87·3	87·3	88·3	88·5	89·0
23	0	90·0	89·7	88·5	88·3	87·3	86·1	87·9	87·3	88·3	88·1	89·0
28	0	90·4	88·3	89·0	88·3	86·6	86·4	87·5	87·1	89·4	88·1	90·0
33	0	91·0	87·6	89·0	86·9	86·6	86·6	86·6	87·1	88·2	—	90·1
38	0	91·0	87·6	89·0	86·6	86·8	86·6	86·5	87·1	88·2	88·7	89·1
43	0	91·0	87·3	88·7	86·9	86·7	86·6	88·4	87·1	88·9	88·9	89·1
48	0	91·0	86·5	88·7	86·9	86·5	86·6	87·8	87·1	88·9	88·7	89·5
53	0	91·8	86·5	87·4	86·5	86·6	87·2	87·6	87·1	89·5	89·4	89·3
58	0	90·9	86·1	87·8	86·7	86·7	87·2	86·8	87·1	89·5	89·4	89·1
Thermometer		47°·2	47°·6	48°·9	49°·2	48°·9	49°·1	49°·0	49°·0	48°·6	47°·8	47°·3

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
22	10	0	29·978	37·2	32·0	—	Calm.	Clear, save a few cir.-strat. round horizon.
	11	0	29·994	31·8	31·8	—	Calm.	Clouded; cir.-cum. and cir.-strat.; a few clear spaces round horiz.
	12	0	30·000	27·5	26·0	—	Calm.	Partially covered with cir.-cum.; clear in N. and zenith.
	13	0	30·010	25·2	23·8	—	Calm.	Clear.
	14	0	30·016	22·2	21·2	N. E.	Very light.	Clear.
	15	0	30·036	20·6	19·4	—	Calm.	Clear.
	16	0	30·038	19·5	18·8	—	Calm.	Cir.-cum. scattered.
	17	0	30·035	18·7	18·0	N. E.	Very light.	Generally overcast; light fleecy cir.-cum.; clear spaces.
	18	0	30·029	18·8	18·3	N. E.	Very light.	Generally overcast; light fleecy cir.-cum.; clear spaces.
	19	0	30·031	18·8	18·2	N. E.	Very light.	Generally overcast; light fleecy cir.-cum.; clear spaces.
	20	0	30·048	18·0	18·5	N. E.	Very light.	Unclouded; hazy.
	21	0	30·029	17·6	17·4	N. E.	Very light.	Clear.

MAGNETICAL OBSERVATIONS. January 22nd and 23rd.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
121·4	124·5	121·4	126·2	122·1	121·6	110·0	110·8	106·7	111·4	114·0	111·9	112·4
120·9	120·9	123·0	127·4	122·8	120·7	111·2	110·4	108·0	111·9	114·0	112·0	112·1
120·0	118·2	124·6	127·6	122·0	120·2	111·3	110·0	109·0	111·5	114·3	112·7	111·6
119·4	117·9	125·1	127·0	123·0	120·8	111·2	111·4	109·3	111·8	115·0	113·0	112·1
121·0	116·5	124·2	126·0	124·0	118·2	111·4	110·2	109·1	111·2	114·9	113·0	111·8
122·0	114·8	124·0	125·2	125·1	117·9	114·2	110·4	109·1	111·9	115·0	113·0	110·6
123·7	116·4	125·1	126·5	125·2	118·6	114·5	109·3	109·8	111·8	114·8	113·0	110·0
124·3	117·7	123·8	125·2	125·3	117·4	116·6	107·6	110·7	112·2	115·0	113·0	110·0
125·0	118·8	124·6	124·8	123·8	116·3	112·2	107·0	111·9	112·8	115·2	113·1	112·9
125·3	121·0	125·0	125·4	123·0	115·2	110·4	106·2	113·2	113·0	112·5	113·0	114·2
125·3	120·6	125·7	124·9	120·9	112·0	110·6	106·7	112·6	113·3	112·2	112·9	116·2
124·7	120·6	126·0	122·6	121·3	109·5	111·0	107·3	111·9	113·6	112·1	112·9	116·2

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fah¹. = ·000234.

574·7	568·9	578·1	581·1	577·6	568·0	563·6	578·4	572·3	573·7	574·0	575·0	568·7
573·2	564·3	578·0	580·0	577·0	566·0	563·7	575·6	571·4	574·3	573·0	573·9	562·3
576·0	566·0	576·6	580·0	576·5	564·5	564·0	577·8	571·6	574·5	573·8	573·9	564·6
575·3	567·5	578·1	580·0	576·4	564·5	564·7	573·9	570·4	574·5	573 8	573·6	566·3
575·4	569·4	577·5	576·9	575·5	565·3	564·7	571·7	570·3	574·4	574 0	574·6	567·9
575·1	572·4	575·9	577·0	575·1	563·4	569·7	570·6	570·5	574·4	573·3	574·0	567·9
572·3	574·3	576·1	574·2	575·5	563·4	571·5	570·6	571·0	573·9	572·2	573·8	566·0
572·2	577·8	576·0	574·4	577·5	566·3	576·0	570·6	571·1	573·3	573·0	574·0	565·9
570·9	582·3	577·4	575·5	574·9	566·1	575·5	572·5	568·6	572·9	576·1	574·9	565·6
569·9	584·6	577·2	576·0	572·6	565·6	578·0	572·9	570·8	572·9	577·0	574·0	567·5
570·3	584·9	581·5	579·1	567·5	565·0	576·5	572·0	572·1	573·0	575·4	572·3	569·9
569·3	580·5	580·8	579·9	567·5	563·6	577·8	568·6	573·1	574·0	575·8	572·0	572·0
°	°	°	°	°	°	°	°	°	°	°	°	°
45·5	45·5	45·5	45·5	45·4	45·0	45·5	46·0	46·6	47·0	47·2	47·0	46·8*

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fah¹. = ·00007.

89·6	88·0	83·9	87·0	90·3	89·9	86·9	88·3	87·0	87·3	88·4	89·9	89·6
89·8	88·0	83 9	87·0	90·3	91·7	88·3	87·5	87·0	87·3	87·9	89·4	89·6
89·8	87·4	86·2	87·0	90 3	93·2	88·4	87·2	87·0	87·3	87·7	89·4	89·8
89·6	87·2	86·2	87·2	89·5	87·9	87·7	88·5	87·0	87·3	87·4	89·6	89·8
89·6	87·2	86·2	87·6	89·5	88·5	88·1	87·6	87·0	87 3	87·4	89·4	90·7
89·3	87·0	86·5	87·6	89·5	88·5	88·8	87·3	87·0	87·3	87·7	90·2	92·3
89·3	85·9	86·5	89·0	90·9	88·5	87·7	87·5	87·9	87·1	87·7	90·4	92·3
88·6	85·9	86·5	89·0	90·9	88·5	88·5	88·7	87·9	86·7	87·7	90·4	92·3
88·0	85·9	88·3	89·5	90·2	89·0	88·8	89·0	87·1	86·7	90·0	90·3	92·3
88·0	85·2	88·3	89·5	90·2	89·7	87·2	88·2	87·9	86·9	90·0	90·3	93·2
88·4	85·2	88·3	91·3	89·9	89·0	87·2	88·2	87·5	86·9	90·5	89·9	93·1
88·4	83·8	88·3	90·2	89·9	88·2	86·9	88·2	88·3	86·9	90·1	89·6	93·1
°	°	°	°	°	°	°	°	°	°	°	°	°
47·0	46·9	46·6	46·6	46·6	45·8	46·5	46·8	46·8	47·4	47·8	47·6	47·2*

* At 23h 10h Thermometer of H. F. 46°·8; of V. F. 47°·1.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Weather.
		Dry.	Wet.	Direction.	Force.	
D. H. M.	In.	°	°			
22 22 0	30·033	14·2	13·6	N. E.	Very light.	Clear.
23 0	30·035	14·8	14·2	—	Calm.	Clear,
23 0 0	30·026	16·6	16·0	—	Calm.	Clear.
1 0	30·016	19·3	17·6	—	Calm.	Clear,
2 0	30·000	22·8	21·0	—	Calm.	Overspread with light cir, and haze.
3 0	29·992	30·4	29·6	E. by N.	Very light,	Overcast with cir.-cum. and haze.
4 0	29·975	32·2	31·6	E. by S.	Very light.	Overcast with cir.-cum. and haze.
5 0	29·908	33·1	31·7	N.	Very light,	Overcast with very light cir.-strat. and haze.
6 0	29·865	35·6	32·1	E. N E.	Moderate.	Overcast with very light cir.-strat. and haze.
7 0	29·829	34·8	32·4	E.	Brisk with gusts	Overcast with very light cir.-strat. and haze.
8 0	29·821	34·6	32·6	E.	Brisk with gusts	Overcast with very light cir.-strat. and haze.
9 0	29·813	35·0	33 0	E. N. E.	Moderate.	Overcast with cir.-cum. and haze.

February 21st and 22nd. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0′·721.						DECLINATION.			
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	116·0	116·0	117·2	120·2	119·2	117·0	118·8	116·4	121·0	123·2	120·
5	0	119·1	116·0	117·4	125·0	119·0	117·0	119·0	118·1	121·0	122·3	118·
10	0	118·4	116·0	117·2	123·2	118·8	117·0	120·0	117·8	120·8	122·9	120·
15	0	118·4	118·3	116·7	124·6	117·8	116·0	120·5	117·0	118·0	123·4	120·
20	0	117·3	118·2	117·0	126·1	117·5	116·4	120·0	117·2	117·3	123·5	121·
25	0	117·2	118·2	115·5	127·3	117·2	117·8	123·3	117·5	117·5	120·4	119·
30	0	117·0	117·0	118·6	123·6	117·1	118·1	125·3	117·4	117·6	122·8	119·
35	0	116·2	116·0	118·0	119·2	117·0	118·2	122·4	117·6	118·1	122·7	120·
40	0	116·4	116·3	122·7	118·3	116·9	117·5	120·7	119·1	119·1	123·0	119·
45	0	116·0	117·2	126·0	119·2	116·7	117·1	119·7	119·6	119·5	122·5	120·
50	0	116·0	117·4	128·0	120·0	116·4	116·0	119·0	120·0	120·5	121·5	121·
55	0	116·0	117·2	127·2	120·1	118·0	118·1	119·1	120·9	123·1	121·5	122·
		One Scale Division = ·000087 parts of the H. F.						HORIZONTAL FORCE.				
M.	S.											
2	0	571·7	565·6	561·6	572·4	564·9	569·2	564·2	571·2	567·0	569·9	564·
7	0	571·8	565·0	561·4	569·3	566·9	569·4	563·1	571·2	567·3	568·9	564·
12	0	573·7	564·8	561·6	567·0	568·4	568·8	562·8	570·1	568·1	567·0	563·
17	0	572·0	569·6	559·5	568·6	568·4	568·2	564·4	570·0	566·5	567·0	564·
22	0	571·6	570·0	559·6	565·0	568·5	568·0	565·4	570·0	565·0	565·3	568·
27	0	569·8	565·5	555·7	568·8	567·6	568·6	568·7	567·1	566·0	564·2	566·
32	0	567·5	563·6	557·6	570·3	567·3	569·0	573·6	567·4	565·6	562·3	566·
37	0	569·6	562·0	559·5	566·9	568·1	568·3	574·8	566·3	564·1	563·6	566·
42	0	568·0	559·6	561·7	563·1	567·1	567·2	577·0	566·3	564·8	563·0	566·
47	0	567·6	559·7	561·6	561·2	567·0	566·1	578·0	566·2	566·2	563·2	563·
52	0	567·8	559·5	561·4	561·6	568·0	564·4	573·8	566·0	567·0	564·8	566·
57	0	567·8	560·0	565·6	563·4	570·2	564·6	572·2	565·9	568·8	565·5	566·
Thermometer		52°·7	53°·0	53°·2	52°·2	53°·0	53°·0	53°·0	52°·5	52°·5	52°·2	52°
		One Scale Division = ·000063 arts of the V. F.						VERTICAL FORCE.				
M.	S.											
3	0	79·6	77·7	78·9	71·6	73·0	72·2	70·2	69·2	68·2	70·5	71·
8	0	79·6	77·4	79·2	71·7	73·0	72·2	70·0	69·2	68·4	70·5	71·
13	0	79·2	78·5	78·8	71·7	71·9	71·7	70·0	69·2	68·4	68·7	71·
18	0	79·5	78·2	77·0	71·8	71·9	71·7	70·0	68·2	68·8	68·7	71·
23	0	78·9	78·1	76·7	71·8	71·9	71·4	70·0	68·2	68·8	70·7	71·
28	0	78·6	78·2	74·7	71·8	71·9	71·4	70·0	68·2	70·0	70·7	71·
33	0	78·5	78·5	74·8	71·5	71·9	71·5	70·0	68·2	70·0	70·5	71·
38	0	77·7	78·5	74·8	71·5	72·1	69·9	—	67·7	70·0	70·5	71·
43	0	77·6	77·5	73·6	71·6	72·1	69·9	69·6	67·7	70·0	71·8	71·
48	0	77·6	76·8	73·8	71·9	72·1	69·9	69·2	68·2	69·1	71·8	71·
53	0	78·1	80·0	74·5	71·9	72·2	69·9	69·2	68·2	68·8	71·8	71·
58	0	78·1	79·4	72·4	71·9	72·2	69·9	69·2	68.2	70·5	72·1	70·
Thermometer		52°·4	52°·8	52°·9	54°·3	54°·1	54°·1	54°·3	53°·4	53°·6	53°·1	53°

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
21	10	0	29·463	44·0	40·4	—	Calm.	Cir.-cum., interspersed with clear spaces.
	11	0	29.491	43·2	39·4	—	Calm.	Well-defined cir.-cum. scattered about; clear space.
	12	0	29·509	42·8	39·0	—	Calm.	Well-defined cir.-cum. scattered about; clear space.
	13	0	29·512	43·0	39·4	W. N. W.	Brisk with gusts	Zenith clear; cir.-cum. and cir.-strat. round horizon.
	14	0	29·526	42·0	37·6	W. N. W.	Light.	Light flexuous cir.-strat. scattered about; clear space.
	15	0	29·548	39·6	37·0	W. N. W.	Very light.	Clear, except light cir.-strat. in N. and S.
	16	0	29·556	37·6	34·0	W. N. W.	Very light.	Clear, except light cir.-strat. in N. and S.
	17	0	29·550	37·8	35·0	W. N. W.	Very light.	Overcast with cir.-cum. and cum.-strat.
	18	0	29·576	39·6	36·4	W. N. W.	Light.	A few cir.-cum. and cum.-strat. dispersed.
	19	0	29·594	38·0	35·2	—	Calm.	Overcast with cir.-cum and cum.-strat.
	20	0	29·625	38·2	35·2	—	Calm.	Overcast with cir.-cum. and cum.-strat.
	21	0	29·605	37·2	35·0	—	Calm.	Densely overcast with haze.

DECLINATION.

17h.	18h.	19h.	20h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
118·4	121·0	123·2	126·0
118·1	121·0	122·3	119·1
117·8	120·6	122·9	126·4
117·0	118·0	123·4	126·1
117·2	117·3	123·5	124·4
117·5	117·5	120·4	118·4
117·4	117·8	122·8	118·1
117·6	118·1	122·7	126·1
119·1	119·1	123·0	119·1
119·6	119·5	122·5	126·1
120·0	120·5	121·5	124·4
120·9	123·1	121·5	122·1

HORIZONTAL FORCE.

571·2	567·0	569·9	568·1
571·2	567·3	568·9	564·1
570·1	568·1	567·0	565·1
570·0	566·5	567·0	564·1
570·0	565·0	565·3	563·1
567·1	566·0	564·2	564·9
567·4	565·6	562·3	566·9
566·3	564·1	563·6	566·1
566·3	564·8	563·0	566·9
566·2	566·2	565·2	563·1
566·0	567·0	564·6	566·1
565·9	568·8	565·5	564·1
°	°	°	°
52·5	52·5	52·2	52·1

VERTICAL FORCE.

69·2	68·2	70·5	71·1
69·2	68·4	70·5	71·1
69·2	68·4	68·7	71·1
68·2	68·8	68·7	71·1
68·2	68·8	70·7	71·1
68·2	70·0	70·7	71·1
68·2	70·0	70·5	71·1
67·7	70·0	70·5	71·1
67·7	70·0	71·8	71·1
68·2	69·1	71·8	71·1
69·2	68·8	71·8	71·1
68.2	70·5	72·1	70·1
°	°	°	°
53·4	53·6	53·1	53·1

zontal and Vertical Force.

Weather
spersed with clear spaces.
-cum. scattered about; clear space.
-cum. scattered about; clear space.
r.-cum. and cir.-strat. round horizon.
ir.-strat. scattered about; clear space.
ght cir.-strat. in N. and S.
ght cir.-strat. in N. and S.
ir.-cum. and cum.-strat.
and cum.-strat. dispersed.
ir.-cum and cum.-strat.
ir.-cum. and cum.-strat.
d with base.

MAGNETICAL OBSERVATIONS. February 21st and 22nd.

DECLINATION. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
124·0	114·1	121·0	125·3	122·1	121·0	120·9	119·8	114·4	110·0	110·0	110·2	113·0
123·2	114·9	121·9	124·1	121·3	118·4	120·0	119·5	113·7	110·8	110·0	110·4	112·2
120·6	116·4	122·7	124·0	118·8	120·3	120·9	118·2	114·1	111·0	110·0	110·9	111·8
124·6	115·0	122·8	123·9	118·0	122·2	122·7	118·0	113·9	114·3	110·7	111·7	112·0
120·0	115·8	123·3	123·9	118·4	121·0	122·9	115·4	114·1	111·4	110·9	112·2	112·8
117·8	116·9	124·1	121·3	118·2	120·4	121·3	115·3	113·5	111·2	111·9	112·1	112·9
116·7	117·0	122·7	121·8	119·0	121·0	119·1	116·1	112·9	111·1	112·0	112·0	112 9
115·2	117·0	120·0	122·0	118 6	121·4	119·8	115·1	110·9	110·9	112·0	112·0	113·2
114·8	119·0	122·3	122·2	118·3	122·0	119·3	112·8	110·5	111·0	111·6	112·7	114·0
116·0	120·8	121·0	122·2	120·3	122·3	118 5	112·7	110·3	111·0	112·0	112·4	114·0
117·0	119·8	122·9	122·1	120·0	124·7	118·4	113·0	110·0	111·0	111·0	112·5	114·9
116·7	119·7	124·1	122·2	121·4	122·7	120·0	112·9	109·9	110·1	110·0	113·0	115·0

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah'. = ·000234.

564·9	565·5	568·0	573·7	565·0	564·6	556·7	549·2	537·4	551·9	560·3	571·9	568·6
563·3	566·0	567·8	571·0	563·1	562·0	556·6	547·2	536·2	553·7	560·0	571·9	571·2
561·2	565·5	567·9	569·1	563·6	560·6	555·9	545·1	540·2	555·7	561·8	569·5	570·1
561·0	564·4	567·4	568·6	563·6	561·6	553·2	542·2	543·2	556·8	562·8	566·2	567·2
561·0	564·5	567·2	570·0	563·5	562·7	552·3	543·1	542·9	558·8	562·0	565·2	564·9
561·0	564·4	569·5	566·9	561·5	561·6	551·9	544·4	546·3	559·7	562·1	567·2	564·0
559·9	564·0	570·1	566·5	562·7	559·6	556·0	541·9	545·0	560·7	563·5	548·2	561·1
561·9	564·4	566·9	566·6	563·7	560·7	555·3	544·8	547·0	560·8	564·7	565·9	561·4
563·9	565·7	573·3	566·9	562·7	559·6	551·9	539·8	548·3	562·1	565·2	567·5	562·9
564·0	567·7	570·2	566·5	563·5	556·5	554·9	538·5	549·8	563·6	567·0	568·2	563·1
563·6	568 4	570·0	566·5	561·7	556·7	548·3	537·7	549·6	564·1	569·1	566·8	563·3
562·9	568 0	571·5	566·0	562·5	557·8	549·8	538·0	549·9	562·2	571·8	566·2	565·3
°	°	°	°	°	°	°	°	°	°	°	°	°
52·0	52·0	52·0	52·5	52·4	52·6	52·8	53·0	53·0	53·0	53·2	53·5	53·4*

VERTICAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah'. = ·00007.

69·9	65·4	70·4	72·4	73·4	74·5	74·2	71·1	71·2	73·4	72·3	74·3	74·9
69·1	66·3	70·4	71·7	74·1	74·4	74·2	71·1	71·2	73·4	73·4	74·9	75·3
68·4	66·3	71·2	71·7	74·0	74·5	73·1	71·1	71·9	73·4	73·0	74·7	75·3
68·4	66·9	71·5	72·3	74·0	74·5	73·1	70·7	73·4	73·2	72·0	73·8	74·6
67·2	66·9	71·5	72·3	74·7	74·2	73·0	70·7	73·4	73·2	72·3	73·8	74·8
67·2	66·9	72·9	72·3	74·2	74·6	72·7	70·6	73·4	73·2	72·6	73·8	74·6
68·0	66·9	72·9	72·9	73·9	74·0	72·6	70·7	73·4	73·2	72·4	73·8	74·6
68·8	68·3	72·9	72·9	73·8	74·4	73·1	69·7	73·2	73·2	73·0	74·6	74·6
68·8	69·3	72·9	72·9	75·6	73·8	73·1	70·9	73·2	74·1	73·0	74·6	75·7
68·8	69·7	72·9	73·4	74·5	73·8	73·1	70·7	73·4	73·9	73·5	74·7	75·7
68·3	69·7	72·9	73·4	74·5	73·8	72·1	70·7	73·4	73·9	74·3	74·6	75·7
68·4	70·4	72·4	73·4	74·0	73·8	72·1	70·7	73·4	73·2	74·3	74·6	75·7
°	°	°	°	°	°	°	°	°	°	°	°	°
53·2	53·2	53·1	53·0	53·0	52·5	52·7	52·7	53·1	53·3	53·1	53·2	53·5*

* At 22d 10h Thermometer of H. F. 53°·0; of V. F. 53°·2.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time. D.	H.	M.	Barometer at 32°.	Thermometers. Dry.	Wet.	Wind. Direction.	Force.	Weather.
			In.	°	°			
21	22	0	29·615	36·4	34·0	—	Calm.	Densely overcast with haze.
	23	0	29·633	36·4	34·0	—	Calm.	Clouded cir.-cum. and haze.
22	0	0	29·633	35·4	33·4	—	Calm.	Clouded cir.-cum. and haze.
	1	0	29·641	35·6	33·4	—	Calm.	Clouded cir.-cum. and cir.-strat.
	2	0	29·675	36·4	34·2	—	Calm.	Clouded with dense cir.-cum. and haze.
	3	0	29·679	38·9	36·8	—	Calm.	Overcast with cir.-cum., cir.-strat., and haze.
	4	0	29·675	39·9	—	—	Calm.	Overcast with cir.-cum., cir.-strat., and haze.
	5	0	29·672	40·5	—	—	Calm.	Overcast with cir.-cum., cir.-strat., and haze.
	6	0	29·656	41·7	40·6	—	Calm.	Overcast with cir.-cum., cir.-strat., and haze.
	7	0	29·638	41·1	39·6	—	Calm.	Overcast with dense haze.
	8	0	29·630	41·1	39·6	—	Calm.	Overcast with dense haze.
	9	0	29·616	40·1	39·6	E.	Very light.	Overcast with cir.-strat. and haze.

March 19th and 20th. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0''·721. **Declination.**										
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	108·5	114·7	116·5	125·2	127·8	132·4	124·4	121·1	112·8	122·0	120·2
5	0	109·2	119·7	117·4	123·3	123·0	128·8	124·7	124·0	112·2	123·9	120·0
10	0	110·0	122·5	116·4	121·1	125·0	125·1	120·0	125·0	113·2	123·5	119·3
15	0	110·3	121·7	118·0	120·2	124·8	126·0	124·1	125·7	115·0	122·4	119·6
20	0	111·2	119·6	118·9	120·7	124·7	124·8	122·0	125·7	118·0	121·0	120·0
25	0	110·9	118·0	118·3	120·7	123·8	123·7	121·0	124·2	120·4	120·2	121·2
30	0	111·0	116·8	122·0	120·9	121·8	120·1	119·6	123·9	122·0	120·3	122·1
35	0	111·2	115·6	125·9	120·8	118·6	121·0	120·6	122·1	123·0	121·2	123·2
40	0	112·0	115·0	131·2	120·9	117·1	123·3	119·0	120·5	122·0	122·6	123·0
45	0	111·0	115·5	133·2	121·0	120·1	127·1	116·9	117·1	121·0	123·4	122·7
50	0	111·0	115·0	133·4	126·0	126·6	126·6	117·6	116·4	121·0	123·4	123·2
55	0	112·4	114·0	126·8	131·3	133·0	125·1	120·0	114·1	122·0	121·6	124·0
		One Scale Division = ·000087 parts of the H. F. **Horizontal Force.**										
M.	S.											
2	0	578·3	573·8	575·4	582·0	563·1	584·0	563·3	571·8	566·5	570·9	582·6
7	0	574·1	575·9	577·0	581·6	559·0	586·6	566·7	577·0	570·1	574·9	582·6
12	0	575·7	584·4	576·1	578·2	559·0	581·5	569·0	570·3	570·8	576·7	583·0
17	0	582·1	586·9	574·9	575·9	565·5	580·2	567·1	569·5	562·7	579·8	582·1
22	0	585·7	586·8	572·9	574·5	567·9	583·0	566·6	569·0	559·2	579·6	582·6
27	0	588·0	586·5	569·6	573·5	570·5	579·5	567·6	567·1	569·0	583·8	582·6
32	0	588·1	586·3	568·8	566·4	572·0	575·1	566·5	566·6	568·0	584·6	582·7
37	0	589·0	583·6	569·9	562·5	573·7	568·9	570·6	567·4	567·1	584·6	583·1
42	0	589·1	580·4	572·3	561·3	570·5	566·2	573·0	568·3	571·0	584·5	582·0
47	0	584·2	580·6	578·0	558·9	570·0	567·0	572·3	567·5	571·8	584·0	582·0
52	0	583·3	581·8	585·7	553·0	574·6	567·8	570·8	568·7	570·0	584·7	582·3
57	0	576·3	575·7	581·6	559·9	582·7	563·9	571·0	569·5	574·6	583·7	582·0
Thermometer		41·0	40·9	41·0	40·8	40·9	40·9	41·0	42·0	42·0	42·0	41·1
		One Scale Division = ·000063 parts of the V. F. **Vertical Force.**										
M.	S.											
3	0	98·8	99·0	98·0	95·0	94·9	89·1	91·3	90·5	79·5	82·1	89·3
8	0	97·9	100·6	98·0	94·4	94·9	89·1	92·7	90·5	80·8	84·1	89·3
13	0	97·9	101·2	98·0	94·4	94·9	89·1	93·6	90·5	81·2	84·1	89·1
18	0	99·1	100·7	97·2	94·4	94·2	89·1	92·6	89·5	81·2	84·1	90·3
23	0	99·0	100·7	97·2	94·4	94·2	89·1	93·2	88·6	82·3	84·0	89·8
28	0	99·2	100·7	97·2	94·4	93·5	89·1	93·2	88·6	86·2	85·5	89·4
33	0	99·2	100·4	99·0	94·2	93·5	90·1	91·7	88·1	83·7	87·4	89·7
38	0	99·2	99·5	99·0	94·8	95·4	89·6	91·7	89·2	82·1	89·5	90·4
43	0	99·2	99·5	97·1	94·8	95·4	89·8	91·7	82·9	83·5	89·4	90·1
48	0	99·2	99·5	97·1	96·7	95·8	90·9	91·7	82·8	83·5	89·6	90·1
53	0	98·7	99·2	98·0	96·7	95·8	90·9	91·4	81·7	83·0	89·5	90·8
58	0	98·7	98·8	95·0	96·7	92·3	91·3	91·4	81·7	84·3	90·0	91·6
Thermometer		40·8	40·9	41·4	42·2	42·3	42·1	42·4	43·1	43·1	43·0	42·6

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	in.	°	°			
19	10	0	29·456	24·2	20·9	N. W.	Mod. with gusts	Overcast; cir.-cum. and haze; occasional slight snow.
	11	0	29·481	23·2	20·5	N. N. W.	Mod. with gusts	Overcast; cir.-cum. and haze; occasional slight snow.
	12	0	29·499	22·0	20·5	N. N. W.	Mod. with gusts	Overcast; cir.-cum. and haze; occasional slight snow.
	13	0	29·526	21·2	19·4	N. W.	Brisk.	Overcast; cum.-strat. and cir.-cum.
	14	0	29·542	19·6	18·2	W. N. W.	Fresh.	Overcast; cir.-cum. and cum.-strat.; a few clear spaces.
	15	0	29·538	19·0	17·9	W. by N.	Brisk.	Densely overcast; snowing slightly.
	16	0	29·532	18·8	17·9	W. by N.	Mod. with gusts	Overcast, dense haze; halo round the moon, diameter about 9°
	17	0	29·519	19·6	18·7	W. by S.	Mod. with gusts	Overcast, dense haze; halo round the moon, diameter about 2°
	18	0	29·507	19·8	17·3	W. by S.	Mod. with gusts	Overcast, cir. and haze; halo disappeared.
	19	0	29·519	19·8	17·7	W.	Mod. with gusts	Partially overcast; light cir. chiefly in W.
	20	0	29·529	21·0	20·7	W.	Mod. with gusts	Dense cir.-cum. and haze round horizon; remainder clear.
	21	0	29·535	20·4	20·3	W. by S.	Mod. with gusts	Cir.-cum., cir.-strat., and haze round horizon; remainder clear.

MAGNETICAL OBSERVATIONS. March 19th and 20th.

Declination. Angular Value of one Scale Division = 0′·721.

17h.	18h.	19h.	20h.	21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
121·1	112·8	122·0	120·1	123·0	121·0	114·9	117·0	126·9	126·0	124·8	120·3	116·8	98·3	107·8	111·0	114·0
124·0	112·2	123·9	120·0	123·2	120·4	114·6	116·1	126·1	125·6	125·0	118·9	117·1	97·9	108·4	112·0	114·5
125·0	113·2	123·5	119·1	122·7	121·0	110·9	118·3	126·4	125·8	125·0	114·9	114·0	92·9	109·4	111·2	115·0
125·7	115·0	122·4	119·8	122·6	119·6	108·0	120·3	125·9	126·1	124·8	114·7	110·9	93·0	109·8	111·5	115·0
125·7	118·0	121·0	120·0	122·2	117·2	107·3	123·2	125·2	125·7	124·0	118·0	110·1	93·0	110·7	112·0	114·9
124·2	120·4	120·2	121·1	121·0	114·8	112·3	122·4	123·6	124·9	122·0	122·0	107·1	95·0	111·3	112·4	114·9
123·9	122·0	120·3	122·1	120·4	114·4	110·9	123·6	123 2	125·2	123·1	120·1	103·3	95·0	112 7	113·0	115·0
122·1	123·0	121·2	123·1	119·8	113·4	111·6	124·6	125·5	125·0	122·4	116·8	101·8	97·8	112·7	113·2	114·9
120·5	122·0	122·6	123·0	120·0	112·9	113·1	125·2	125·7	125·0	122·3	115·8	101·7	100·0	111·3	113·3	115·0
117·1	121·0	123·4	122·7	121·1	110·4	114·8	125·1	126·4	125·8	117·3	116·0	102·0	102·0	111·8	113·5	114·8
116·4	121·0	123·4	123·1	122·0	110·7	115·4	125·4	125·7	125·0	121·3	115·7	104·8	104·0	111·5	113·9	114·8
114·1	122·0	121·6	124·0	124·8	110·2	117·2	126·1	125·9	123·0	121·3	115·9	103·1	106·8	112·0	114·0	115·0

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·000234

571·8	566·5	570·9	582·6	581·6	581·6	570·4	597·6	595·5	589·1	580·1	577·2	553·7	545·0	572·8	579·3	580·2
577·0	570·1	574·9	582·0	580·6	579·5	579·4	597·2	593·2	587·6	580·4	581·0	550·5	551·4	575·0	578·2	578·0
570·3	570·8	576·7	583·0	580·8	578·5	588·9	598·4	592·5	585·8	580·0	580 1	551·1	558·0	576·1	577·1	576·7
569·5	562·7	579·8	582·4	582·4	572·0	589·8	597·9	590·9	587·2	580·0	574·9	551·0	562·1	575·4	577·5	575·9
569·0	559·2	579·6	582·6	584·5	570·7	585·9	598·9	590·6	585·7	581·7	570·9	546·0	563·1	575·6	577·7	576·4
567·1	569·0	583·8	582·6	581·8	569·7	591·6	598·1	589·0	584·0	576·6	569·7	540·3	564·8	573·5	578·3	576·3
566·6	568·0	584·6	582·1	589·6	565·8	589·7	597·0	587·5	584·4	577·9	569·9	539·7	565·7	582·0	580·2	577·2
567·4	567·1	584·6	583·1	589·7	565·9	589·5	594·3	591·3	584·0	571·7	566·0	536·8	564·6	589·3	581·2	577·0
568·3	571·0	584·5	582·6	589·6	570·9	591·4	590·0	590·7	582·0	581·3	563·9	533·0	567·6	588·5	583·8	577·2
567·5	571·8	584·0	582·6	589·7	566·0	592·0	596·3	591·5	582·9	572·8	561·8	526·4	570·0	582·5	586·4	576·9
568·7	570·0	584·7	582·5	586·0	562·2	592·6	594 3	590·4	584·1	574·8	558·8	527·5	572·5	581·6	583·0	576·6
569·5	574·6	583·7	582·0	585·6	567·5	596·6	595·4	588·8	580·8	574·2	554·6	543·3	573·9	582·3	582·4	576·2
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
42·0	42·0	42·0	41·8	41·6	41·2	41·4	40·8	41·2	41·5	42·0	42·4	44·0	44·2	43·5	44·2	44·2*

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

90·5	79·5	82·1	89·1	90·6	90·1	92·9	89·3	92·6	92·9	92·5	90·1	86·5	90·0	89·4	89·6	89·8
90·5	80·8	84·1	89·3	90·6	90·1	93·9	89·3	92·9	92·9	92·5	91·3	86·5	91·7	89·2	89·6	89·1
90·5	81·2	84·1	89·1	91·5	89·5	94·4	89 3	92·9	92·6	92·5	90·9	86·5	90·4	89·2	89·6	89·1
89 5	81·2	84·1	90·1	91·3	87·2	94·3	89·3	93·0	92·6	92·5	89·4	86·5	90·2	89·4	89·6	89·1
88·6	82·3	84·0	89·4	92·8	87·2	93·6	89·3	93·0	92·6	92·5	88·1	86·5	89·2	88·7	89 6	89·1
88·6	86·2	85·5	89·1	93·5	85·5	93 6	89·3	93·9	92 6	91·1	87·9	86·5	89·4	88·7	89·6	89·9
88·1	83·7	87·4	89·1	93·5	85·5	93·3	90·5	93·9	92 6	91·1	88·6	87·4	88·5	90·3	89·6	89·9
89·2	82·1	89·5	90·1	93·1	87·4	93·3	91·2	93·9	92 6	90·0	88·3	87·4	88·6	92·5	90·0	89·9
82·9	83·5	89·4	90·1	93·2	87·6	90·5	91·4	93·9	92,6	91·7	88·1	87·4	88·6	91 8	90·0	89·9
82·8	83·5	89·6	90·1	93·0	87·6	90·0	91·4	93·4	92,6	99·2	87·6	86·4	89·4	89·8	90·0	89·5
81·7	83·0	89·5	90·8	92·1	86·1	90·0	92·6	93·4	92 6	90·1	87·2	87·9	89·2	90·1	89·8	89·5
81·7	84·3	90·0	91·6	91·8	86·1	89 3	92·6	93·4	92·6	90·1	86·5	90·0	89·2	89·6	89·8	89·7
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
43·1	43·1	43·0	42·6	42·4	42·6	42·6	42·6	41·8	42·1	41·8	42·6	43·8	44·1	44·4	44·0	44·0*

* At 20^{h} 10^{m} Thermometer of H. F. 44°·4; of V. F. 44°·2.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M	in.	°	°			
19	22	0	29·540	20·3	20·1	W. S. W.	Moderate.	Light cir.-strat. and haze round horizon; zenith clear.
	23	0	29·565	23·8	22·1	W. N. W.	Brisk.	Overcast with cir.-cum., cir.-strat. and haze.
20	0	0	29·595	24·8	22·3	W. N. W.	Moderate.	Generally overcast with light cir.-cum. and haze; clear spaces.
	1	0	29·605	23·8	23·1	W.	Light.	Clouded with cir.-cum. and cum.-strat.
	2	0	29·623	26·9	23·9	W.	Brisk.	Clouded with cir.-cum. and cum.-strat.
	3	0	29·645	27·8	24·3	W. by N.	Moderate.	Clouded with cir.-cum. and cum. strat.
	4	0	29·671	30·0	27·2	W. N. W.	Brisk.	Clouded with cir. cum. and cum.-strat.
	5	0	29·675	30·6	28·5	W. by N.	Brisk.	Clouded; well-defined cum.-strat.
	6	0	29·670	31·2	27·4	W. by N.	Brisk.	Clouded; well-defined cum.-strat.
	7	0	29·667	32·2	32·1	W.	Moderate.	Overcast with cir.-cum., cir.-strat. and haze.
	8	0	29·696	31·4	28·1	W. N. W.	Brisk.	Overcast with cir.-cum., cir.-strat. and haze.
	9	0	29·710	31·7	28·1	W. N. W.	Moderate.	Overcast with cir.-cum., cir.-strat. and haze.

April 23rd and 24th. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0′·721. DECLINATION.										
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	105·6	112·2	116·0	117·1	116·2	117·0	119·0	117·3	117·4	120·6	116·2
5	0	105·6	112 7	116·0	117·5	116·6	117·0	118·8	117·8	117·4	120·0	115·4
10	0	106·3	113·0	116·2	117·4	116·1	116·5	118·0	118·0	117·8	119·0	113·7
15	0	106·9	113·0	116·0	117·0	115·9	116·0	119·2	117·8	118·8	119·0	113·0
20	0	108·1	113·4	116·6	117·0	115·0	117·0	119·7	117·2	119·8	118·8	109·2
25	0	108·6	113·6	116·8	117·0	115·0	119·1	118·4	117·0	121·2	119·8	107·1
30	0	109·0	113·8	116·1	117·2	115·5	121·0	117·2	117·0	122·0	119·2	103·2
35	0	109·7	114·0	116·0	117·0	115·8	122·4	117·4	117·0	122·9	119·0	108·8
40	0	110·0	114·0	115·9	117·0	115·9	121·8	117·2	117·0	122·8	118·9	109·7
45	0	110·7	114·0	116·7	117·2	115·8	121·0	117·0	117·2	122·0	118·8	111·9
50	0	111·0	115·0	117·1	118·0	116·9	120·8	118·0	117·7	121·8	118·0	116 0
55	0	111·2	114·9	117·5	117·6	117·0	120·2	118·0	117·2	121·2	117·2	117·9

		One Scale Division = ·000087 parts of the H. F. HORIZONTAL FORCE.										
M.	S.											
2	0	555·0	559·8	561·1	554·3	555·0	555·0	549·0	552·1	553·0	552·7	551·8
7	0	554·4	557·0	561·0	555·7	555·0	554·0	548·5	552·7	553·0	552·5	551·8
12	0	552·0	556·4	559·8	553·0	555·0	553·0	550·0	552·4	552·7	553·3	552·0
17	0	556·8	556·7	559·5	553·5	552·0	551·8	549·6	552·3	555·6	553·7	551·8
22	0	560·0	556·9	559·5	552·5	549·0	552·0	548·8	552·9	556·7	554·4	552·4
27	0	559·2	559·6	559·0	554·0	549·0	551·5	550·0	553·1	558·1	554·9	553·0
32	0	552·8	559·1	557·8	552·0	550·8	551·0	550·8	553·0	559·4	554·8	554·6
37	0	551·4	551·8	553·8	551·0	552·0	549·0	553·5	553·0	557·8	555·0	557·2
42	0	554·6	551·7	555·3	552·0	551·0	548·7	553·4	553·1	556·7	554·6	560·0
47	0	550·0	559·5	556·5	555·3	558·0	548·1	552·9	553·0	555·6	554·2	561·1
52	0	549·8	557·5	557·0	555·0	557·0	548·0	552·5	552·6	554·9	554·4	562·4
57	0	552·8	558·1	557·0	555·0	556·0	548·8	552·4	552·9	553·4	555·0	560·1
Thermometer		63°·4	63°·2	63°·0	63°·0	62°·7	63°·0	63°·0	63°·0	62°·5	62°·4	62°·4

		One Scale Division = ·000062 parts of the V. F. VERTICAL FORCE.										
M.	S.											
3	0	56·3	58·7	57·9	53·4	54·0	54·8	54·5	53·9	54·0	52·3	53·0
8	0	56·3	58·3	57·9	53·4	54·4	54·8	54·5	53·9	54·0	52·7	53·0
13	0	56·3	58·3	56·3	53·5	54·4	54·8	54·3	53·9	53·6	52·9	53·0
18	0	57·2	58·0	56·3	53·6	54·4	54·8	54·1	53·9	52·8	53·0	53·0
23	0	57·6	58·0	54·9	53·6	54·4	54·8	54·9	54·0	53·1	53·0	52 9
28	0	57·6	58·0	54·9	53·6	54·4	54·8	54·6	54·2	51·5	53·0	52·9
33	0	56·7	58·0	53·9	53·6	54·4	54·8	55·0	54·0	51·6	53·0	52·7
38	0	56·5	56·9	53·9	53·6	54·4	54·0	55·0	53·8	50·8	53·0	52·7
43	0	57·1	56·9	54·2	53·6	54·4	54·0	—	53·6	50·8	53·0	52·7
48	0	57·1	56·7	54·2	53·6	55·4	55·5	55·6	53·4	51·1	53·0	52·6
53	0	57·1	57·9	54·1	54·0	54·8	54·5	55·6	53·6	51·3	53·0	51·4
58	0	57·9	57·9	54·1	54·0	54·8	54·5	55·6	53·6	51·9	53·0	49·9
Thermometer		61°·7	61°·7	62°·1	62°·8	63°·2	63°·0	63°·0	63°·3	62°·6	62°·8	62°·8

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
23	10	0	29·422	60·1	52·8	E. N. E.	Light.	Overcast with cir.-cum., cir.-strat., and haze. [thunder in N. E.
	11	0	29·417	58·5	51·6	N. N. E.	Light.	Densely clouded; cum.-strat., cir.-cum., & haze; spitting rain. [distan
	12	0	29·486	57·8	53·3	S. W.	Moderate.	Densely clouded; cir.-cum.-strat. and cir.-cum.; raining; clear
	13	0	29·496	56·3	46·9	N. W.	Light.	Densely overcast; constant heavy rain. [thunder in W. and S.W.
	14	0	29·466	53·9	52·9	W.	Moderate.	Cir. and haze in E., remainder quite clear; constant raining.
	15	0	29·483	50·8	49·8	S. S. E.	Light.	Clear round N. horizon, remainder overcast with light cir. and haz
	16	0	29·483	49·3	48·5	S. S. E.	Very light.	Overcast with haze.
	17	0	29·501	48·9	47·9	S. S. E.	Very light.	Overcast dense haze; thick fog.
	18	0	29·507	50·2	49·5	W. N. W.	Very light.	Overcast with cir.-cum., cum.-strat., and haze.
	19	0	29·508	53·6	53·1	W. by N.	Very light.	Cir.-cum. and cum-strat.; generally clear spaces in S. horizon.
	20	0	29·516	54·0	52·6	W. by N.	Very light.	Cir.-cum. and cum.-strat.; generally clear spaces in S. horizon.
	21	0	29·522	53·0	51·2	W. by N.	Very light.	Bank of cum.-strat. on S. horizon; fog rising from the ground.

MAGNETICAL OBSERVATIONS. April 23rd and 24th.

DECLINATION. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
119·0	119·2	121·0	124·2	127·2	128·0	122·8	124·9	111·2	109·0	101·1	102·3	105·5
119·5	119·0	121·7	124·0	127·2	127·1	124·0	123·4	110·0	109·0	100·8	102·4	105·9
119·6	118·4	122·0	123·2	126·8	128·0	126·0	122·0	112·2	109·0	101 0	102·4	105·9
119·4	117·8	122·2	123·1	127·3	128·7	126·1	121 0	112·0	108·4	101·2	102·4	106·0
119·6	117·9	122·4	124·8	128·4	128·1	127·1	120·0	112·2	107·4	101·7	103·0	106·1
119·4	118·2	122·2	126·0	128·3	127·1	127·0	119·0	112·6	105·1	101·0	103·2	106·7
119·2	119·4	122·2	127·2	129·0	127·5	126·8	116·0	112·7	103·4	101·4	103·2	107·0
118·6	119·2	122·2	127·2	129·5	127·6	127·8	115·2	112·0	102·5	101·0	103·8	107·6
118·4	119·4	122·7	127·2	128·8	126·0	126·9	114·7	111·4	101·9	100·8	104·0	108·0
118·8	119·7	123·0	127·0	129·0	124·9	127·1	114·6	110·5	101·5	101·3	104·7	108·4
118·8	119·4	122·7	127·2	128·2	126·0	130·1	113·0	109·2	101·6	101·8	104·7	108·7
118·4	119 7	123·0	127·4	128·5	126·0	126·8	111·5	110·0	101·2	102·4	105·0	108·9

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fahr. = ·000234.

558·6	556·8	560·8	559·4	559·8	558·9	555·5	536·3	536·8	533·6	537·4	548·6	549·5
558·4	557·2	559·6	559·0	557·8	557·1	552·0	537·7	536·7	537·6	537·9	548·7	551·0
558·0	558·4	558·6	558·8	557·8	554 9	552·0	537·6	539·8	536·5	540·0	551·1	551·9
557·3	558·0	559·5	559·3	556·7	556·0	532·0	536·5	540·5	533·9	539·8	549·5	552·8
557·9	558·3	559·0	560·4	557·0	555·1	550·0	536·0	539·8	536·5	540·0	549·8	550·4
558 0	557·8	558·6	560·0	557·5	557·0	549·5	538·8	538·8	537·2	540·3	552·4	549·5
557·6	557·4	558·4	558·4	556·4	555·0	544·8	538·7	536·7	538·9	539·7	551·5	548·3
558·2	557 8	559·5	559·8	557·2	556·6	542·5	538·8	534·4	537·0	541·3	551·7	549·5
558·2	557·4	559·6	558·8	558·0	560·0	538·5	539·5	537·7	533·8	540·9	550·8	552·5
559·5	556·5	559·6	560·0	558·0	556·3	537·5	537·6	537·5	533·8	544·5	552·1	550·9
558·6	557·3	558·7	559·5	558·0	555·5	535·6	539·8	536·0	532·1	544·2	551·8	550 6
559·0	556·8	558·0	559·5	559·7	559·8	536·5	537·8	533·7	532·4	544·9	548·4	551·1
°	°	°	°	°	°	°	°	°	°	°	°	°
62·5	62·6	62·2	62·6	62·5	62·2	62·5	63·0	64·2	64·8	65·6	66·2	66·6*

VERTICAL FORCE. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

50·0	53·0	53·4	54·1	55·2	55·0	55·6	54·1	55·7	53·6	51·5	50·7	48·8
50·4	53·5	53 5	54·2	55·2	54·4	54·1	53·9	55·5	53 6	51·5	50·7	49·0
50·4	53·5	54·0	54·2	55·2	54·4	54·1	53·9	55·5	53·5	51·5	50·4	49·6
50·7	54·1	53·8	54·1	55·0	54·4	54·1	54·4	54·5	53·5	51·2	50·2	49·6
50·8	54·2	53·5	54·6	55·0	54·4	54·1	54·3	54·5	53·5	50·4	49·8	49·2
51·5	54·0	53·6	55·5	54·6	55·2	54·1	34·9	54·1	53·5	50·5	49·8	49·0
51·5	54·7	53·8	55·4	54·8	55·2	53·6	55·0	54·1	53·5	50·5	49·6	49·0
51·7	54·4	54·2	55·5	54·6	55·2	53·6	54·5	53·7	52·3	50·5	49·5	49·0
51·7	53·6	54·0	55·4	55·0	55·2	53·6	54·5	53·7	52·3	50·5	49·5	49·5
52·1	53·2	54·3	55·3	55·0	54·3	53·3	54·6	53·5	52·1	51·1	49·3	49 3
53·1	54·0	54·5	55·3	55 0	53·5	53·1	55·4	53·0	52·2	50·7	49·3	49·6
53·1	53·5	54·8	55·4	55·0	55·6	54·1	55·8	53·1	51·5	50·7	48·8	49·5
°	°	°	°	°	°	°	°	°	°	°	°	°
62·6	62·8	63·0	62·6	62·3	61·9	62·1	62·6	63·6	63·8	64·4	64·8	65·6*

* At 24h 10m Thermometer of H. F. 66°·3; of V. F. 65°·6.

METEOROLOGICAL OBSERVATIONS.

Van Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	in.	°	°			
23	22	6	29·510	51·0	49·7	S. W.	Very light.	Bank of cum.-strat. on S. horizon; fog rising from the ground.
	23	0	29·530	50·2	49·5	S. W.	Very light.	Overcast with haze; dense fog.
24	0	0	29·550	50·1	50·1	S. W.	Very light.	Overcast with haze; dense fog.
	1	0	29·576	51·8	51·7	—	Calm.	Overcast cir.-cum. and haze; fog on the ground.
	2	0	29·590	54·0	54·6	—	Calm.	Overcast with cir.-cum. and haze.
	3	0	29·586	68·8	58·0	S. by W.	Very light.	Overcast with cir.-cum. and haze.
	4	0	29·593	61·1	59·7	S S. W.	Light.	Overcast with cir.-cum. and haze.
	5	0	29·675	64·9	62·3	S. S. E.	Light.	Overcast with cir.-cum. and haze.
	6	0	29·648	66·2	63·0	S. S. E.	Very light.	Overcast with cir.-cum., and haze.
	7	0	29·648	66·3	62·6	S. S. E.	Very light.	Overcast with cir.-cum., cum.-strat., and haze.
	8	0	29·537	66·5	62·7	N. N. E.	Very light.	Overcast with cir.-cum., cum.-strat., and haze.
	9	0	29·541	66·5	62·5	N.	Very light.	Overcast with cir.-cum., cum.-strat., and haze.

May 30th and 31st. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0′·721. DECLINATION.										
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	114·0	114·0	113·0	115·7	110·8	115·2	113·4	126·4	116·3	118·6	97·6
5	0	114·2	113·2	114·0	115·2	113·5	115·4	114·0	124·0	116·6	118·2	98·0
10	0	114·0	113·2	114·7	115·0	114·0	115·2	112·4	122·3	117·0	117·9	99·4
15	0	114·2	113·0	114·0	115·0	116·5	115·0	114·8	121·8	116·7	117·9	101·3
20	0	114 2	112·6	113·6	116·3	117·6	115·0	114·5	121·0	117·0	117·4	102·8
25	0	115·0	112·2	113·7	116·3	118·1	114·4	113·8	118·9	117·2	115·7	103 0
30	0	114·7	112·0	114·0	115·9	118·1	114·4	112·7	116·8	117·7	114·8	104·8
35	0	114·2	111·8	114·4	113·8	116·8	114·0	118·2	116·0	117·0	110·9	106·4
40	0	114·2	111·2	114·8	112·6	116·4	114·0	122·1	115·0	117·0	108·8	110·0
45	0	113·6	111·2	115·0	111·5	115·6	114·0	126·9	115·0	118·0	104·2	114·1
50	0	114·0	111·7	115·8	110·0	115·6	113·0	129·9	115·3	118·1	100·0	117·5
55	0	113·8	112·0	115·8	109·9	115·0	113·2	129·4	116·0	118·3	99·1	119·9
		One Scale Division = ·000087 parts of the H. F. HORIZONTAL FORCE.										
M.	S.											
2	0	583·6	575·5	559·2	559·8	557·1	553·2	556·5	564·5	561·9	560·0	565·6
7	0	583·0	574·0	558·8	559·5	552·6	553·7	560·4	560·4	560·1	560·0	569·2
12	0	587·0	573·8	559·8	560·4	550·8	554·6	560·9	558·6	561·0	560·0	569·4
17	0	589·4	573·8	562·3	561·6	550·4	555·4	563·0	558·0	560·3	560·2	568·5
22	0	590·4	571·8	560·0	562·1	551·7	556·7	564·2	557·8	559·9	560·0	569·4
27	0	591·0	571·6	560·7	563·7	552·2	556·8	565·1	557·5	560·6	561·0	570·0
32	0	583·0	571·5	560·7	565·8	552·9	556·5	561·9	557·1	560·3	563·2	573·0
37	0	579·7	570·0	559·5	566·2	553·2	565·0	560·6	557·3	561·5	564·0	569·0
42	0	578·8	569·7	559·8	562·5	553·0	555·6	560·5	556·8	560·2	565·1	567·1
47	0	577·8	569·6	561·0	562·3	554·7	556·5	564·3	557·9	559·8	561·5	565·1
52	0	577·0	567·8	562·8	559·9	555·0	556·8	569·5	559·0	560·2	559·3	563·4
57	0	576·8	562·0	560·0	559·8	553·9	555·8	568·5	561·0	560·1	558·9	561 8
Thermometer		57°·0	58°·0	58°·6	58°·0	57°·5	57°·2	57°·0	56°·8	56°·5	56°·4	56°·0
		One Scale Division = ·000062 parts of the V. F. VERTICAL FORCE.										
M.	S.											
3	0	73·2	71·3	71·6	70·3	67·3	68·1	67·8	59·0	63·5	63·3	50·9
8	0	73·2	70 9	71·4	70·3	67·3	68·1	66·9	59·0	62·6	63·3	48·1
13	0	74·4	70·8	71·4	70·1	67·8	68·1	67·3	59·9	62·6	64·1	46·5
18	0	74·6	70·8	71·7	70·2	68·3	68·1	66·9	59·9	63·3	64·1	45·7
23	0	74·3	71·0	71·0	70·3	68·3	68·1	66·6	61·3	63·3	62·7	45·9
28	0	74·3	71·0	71·5	70·5	68·5	67·9	66·2	61·6	63·3	62·2	45·2
33	0	72·9	71·0	71·2	70·5	68·5	67·9	66·2	62·6	63·1	61·2	46·3
38	0	72·3	71·1	71·0	70·6	68·5	67·9	65·6	62·8	63·3	58·6	45·7
43	0	72·3	71·1	71·0	69·5	68·5	67·9	64·9	62·8	63·3	57·0	44·9
48	0	72·0	70·9	70·8	69·0	68·8	67·9	63·4	64·1	63·3	53·7	45·1
53	0	72·0	71·8	70·9	68·4	68·0	67·8	61·4	64·4	63·3	52·7	45·1
58	0	71·9	70·8	70·3	68·0	68·1	67·8	59·9	63·8	63·3	52·2	45·1
Thermometer		55°·9	56°·9	58°·0	57°·8	57°·7	58°·1	57°·7	58°·1	57°·9	57°·5	57°·1

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
30	10	0	29·915	54·5	49·1	S.	Very light.	Clear.
	11	0	29 897	54·2	47·8	S.	Very light.	Clear.
	12	0	29·894	51·4	46·1	S.	Very light.	Clear.
	13	0	29·895	47·3	44·1	S. by W.	Very light.	Clear except light cir.; haze round horizon.
	14	0	29·900	45·2	42·1	S.	Very light.	Clear except light cir.; haze round horizon.
	15	0	29·901	44·2	42·1	S. by W.	Very light.	Clear except light cir. and haze in S.
	16	0	29·896	41·7	40·3	—	Calm.	Clear.
	17	0	29·891	38·6	37·8	—	Calm.	Clear.
	18	0	29·892	36·4	35·5	—	Calm.	Clear.
	19	0	29·898	37·6	35·8	N. N. W.	Very light.	Clear; faint auroral light.
	20	0	29·899	39·2	37·6	—	Calm.	Clear; faint auroral light.
	21	0	29·899	38·2	35·6	—	Calm.	Clear.

DECLINATION.

17h.	18h.	19h.	20h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
126·4	116·3	118·6	97·6
124·0	116·6	118·2	98·0
122·3	117·0	117·9	99·4
121·8	116·7	117·9	101·3
121·0	117·0	117·4	102·8
118·9	117·2	115·7	103·0
116·8	117·7	114·8	104·8
116·0	117·0	110·9	106·4
115·0	117·0	108·6	110·0
115·0	118·0	104·2	114·1
113·3	118·1	100·0	117·3
116·0	118·3	99·1	119·9

ORIZONTAL FORCE.

564·5	561·9	560·0	563·6
560·4	560·1	560·0	569·2
558·6	561·0	560·0	569·4
558·0	560·3	560·2	568·3
557·8	559·9	560·0	569·4
557·5	560·6	561·0	570·0
557·1	560·3	563·2	573·0
557·3	561·5	564·0	569·0
556·8	560·2	565·1	567·1
557·9	559·8	561·5	563·1
559·0	560·2	559·3	563·4
561·0	560·1	558·9	561·8
°	°	°	°
56·8	56·5	56·4	56·0

ERTICAL FORCE.

59·0	63·5	63·3	50·9
59·0	62·6	63·3	48·1
59·9	62·6	64·1	46·5
59·9	63·3	64·1	45·7
61·3	63·3	62·7	45·9
61·6	63·3	62·2	45·1
62·6	63·1	61·2	46·3
62·8	63·3	58·6	45·7
62·8	63·3	57·0	44·9
64·1	63·3	53·7	45·1
64·4	63·3	52·7	45·1
63·8	63·3	52·2	45·1
°	°	°	°
58·1	57·9	57·5	57·1

ontal and Vertical Force.

Weather
t cir.; haze round horizon.
t cir.; haze round horizon.
t cir. and haze in S.
oral light.
oral light.

MAGNETICAL OBSERVATIONS. May 30th and 31st.

DECLINATION. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
122·0	128·8	127·0	124·0	131·0	134·0	124·8	116·0	109·8	107·4	107·7	110·2	113·6
124·0	129·4	121·1	125·8	130·0	134·3	125·0	115·6	110·8	106·0	107·8	110·2	114·0
123·2	130·0	118·7	120·2	129·0	135·0	124·3	114·9	111·7	105·0	108·0	110·0	114·0
124·2	130·0	118·0	128·5	129·3	134·0	122·3	114·6	110·8	104·1	108·5	110·2	114·1
124·7	130·0	114·0	132·8	127·0	134·2	119·6	115·0	109·8	104·5	109·1	110·7	114·2
124·0	131·7	109·1	133·0	124·2	131·7	118·0	114·2	109·0	104·8	110·2	111·7	114·8
125·8	132·0	109·0	133·0	126·3	130·0	117·5	114·0	109·2	105·3	111·0	112·0	115·2
126·0	133·0	109·1	131·8	127·3	128·5	117·4	112·4	111·2	106·0	112·0	112·8	115·2
123·7	134·5	110·7	132·3	126·0	128·5	115·8	108·0	112·9	106·9	112·0	113·0	116·0
124·7	132·5	115·0	132·9	126·2	128·2	114·1	109·2	112·9	107·3	111·9	113·9	115·1
125·7	130·3	117·6	132·0	131·5	126·0	114·8	108·0	111·2	107·2	111·0	114·1	116·2
127·0	129·0	121·2	129·8	125·0	125·2	116·2	109·6	109·0	107·3	111·6	114·0	117·0

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·000234.

559·8	562·8	564·5	564·5	566·0	577·0	567·4	557·9	540·3	544·7	548·0	559·0	557·5
559·0	563·1	556·0	564·5	568·0	576·8	566·5	558·1	542·5	545·1	548·0	559·0	558·0
555·6	563·0	554·8	562·5	563·5	575·3	566·3	556·9	550·4	543·7	547·9	559·0	560·0
553·8	563 5	554·5	565·5	565·9	570·0	570·3	554·8	552·6	542·1	548·0	557·9	561·0
553·5	567·0	552·0	565·5	565·6	559·6	570·8	552·8	549·7	541·4	548·9	557·7	560·0
553·0	570·0	552·8	563·5	557·6	560·5	570·6	553·9	548·1	542·0	553·3	558·0	561·0
555·6	571·0	554·5	561·5	544·9	563·6	565·7	552·9	542·0	541·1	551·8	558·0	560·0
559·0	570·0	560·0	562·5	554·5	563·6	566·0	559·0	540·3	541·0	555·0	558·0	560·0
559·5	570·0	564·0	566·0	557·8	567·8	567·0	554·7	540·4	541·5	553·3	559·3	560·0
563·1	570·0	568 0	567·3	567·4	570·3	563·3	551·5	541·3	544·4	554·7	557·8	560·0
561·9	568·4	568·5	567·0	573·8	570·5	561·1	542·9	544·0	545·8	557·8	558·6	561·0
561·0	567·5	571·0	565·5	575·4	568·0	559·9	538·8	544·3	547·8	558·5	560·0	559·0
°	°	°	°	°	°	°	°	°	°	°	°	°
55·9	55·2	54·0	54·5	55·0	58·0	56·6	57·6	58·2	58·7	59·6	60·5	61·5[a]

VERTICAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

45·1	51·5	60 5	47·8	51·4	50·5	51·6	51·6	56·4	60·0	62·0	62·5	60·9
45·7	51·5	60·5	47·8	51·4	50·5	51·9	51·6	56·4	60·0	62·0	62·5	60·9
44·7	52·1	58·6	48·8	50·7	50·5	52·1	53·0	58·2	60·0	62·0	62·5	61·7
45·4	52·7	58·1	50·0	50·7	50·4	52·1	53·0	59·4	60·7	62·0	62·1	61·7
46·0	53 9	56·5	50·7	50·7	50·5	52·1	53·0	59·2	60·7	62·0	62·1	61·6
46·0	53·9	56·5	50·7	48·8	52·7	53·3	53·9	59·0	60·8	62·0	62·1	61·6
51·2	55·0	56·4	50·7	49 4	52·7	53·3	54·7	58·4	60·7	62·3	61·9	61·6
51·2	56·0	55·1	51·6	52·7	52·7	53·2	54·7	57·8	60·7	62·0	61·5	61·6
51·2	57·9	52·6	52·3	52·2	53·1	53·2	56·0	57·8	60·7	62·0	61·9	61·6
52·0	58·5	49·8	52·5	50·4	53·4	53·2	56·0	59·2	62·1	62·8	61·7	61·6
52·0	59·9	49·8	51·9	49·8	52·8	53·2	55·8	59·2	62·1	62·8	61·7	61·2
51·5	60·5	49·8	51·9	48·1	52·1	53·2	55·0	59·2	62·1	62·5	61·4	60·9
°	°	°	°	°	°	°	°	°	°	°	°	°
56·9	56·8	55·3	55·3	55·8	56·3	56·8	57·9	58·6	58·8	59·2	59·1	60·0[a]

[a] At 31^{d} 10^{h} Thermometer of H. F. 62°·5; of V. F. 60°·7.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
30	22	0	29·911	34·6	33·9	—	Calm.	Clear.
	23	0	29·932	35·1	31·9	—	Calm.	Clear.
31	0	0	29·932	42·6	40·7	S. S. W.	Very light.	Clear.
	1	0	29·946	47·6	45·3	S. S. W.	Very light.	Clear.
	2	0	29·957	52·2	48·6	S.	Very light.	Clear.
	3	0	29·948	54·9	50·1	S.	Very light.	Unclouded; hazy round horizon.
	4	0	29·941	57·4	53·1	S.	Very light.	Unclouded; hazy round horizon.
	5	0	29·948	58·8	53·7	S.	Very light.	Unclouded; hazy round horizon.
	6	0	29·917	60·6	54·7	S.	Very light.	Light fleacous cir. and cir.-strat. dispersed; fair.
	7	0	29·858	62·8	55·9	S.	Very light.	Light cir. generally dispersed.
	8	0	29·870	63 2	56·4	S.	Very light.	Light cir. generally dispersed.
	9	0	29·655	64·3	55·9	S.	Very light.	Unclouded, but hazy.

June 18th and 19th. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.	Angular Value of one Scale Division = 0′·721. DECLINATION.										
	10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M. S.	Sc. Divs.	Sc. Divs.	Sc. Divs.	Sc. Divs.	Sc. Divs.	Sc. Divs.	Sc. Divs.	Sc. Divs.	Sc. Divs.	Sc. Divs.	Sc. Divs.
0 0	109·8	112·8	114·4	115·4	115·0	114·8	114·2	115·0	116·1	115·3	114·1
5 0	110·0	113·0	114·8	115·4	115·0	114·7	114·2	115·0	116·2	115·0	114·2
10 0	110·4	113·2	114·8	115·2	115·0	115·0	114·8	115·0	116·0	115·0	112·3
15 0	110·4	113·4	114·8	115·0	115·0	115·0	114·3	114·9	116·2	115·2	111·9
20 0	110·8	113·6	115·2	115·0	114·7	115·0	114·6	114·9	116·0	115·3	111·9
25 0	111·0	113·6	115·0	115·0	114·5	114·8	114·6	114·5	116·1	115·4	112·4
30 0	111·4	113·8	115·0	115·0	114·5	115·0	114·8	115·3	116·2	115·6	114·0
35 0	111·6	114·0	115·0	115·0	114·2	115·0	115·0	116·0	116·8	115·3	114·7
40 0	111·7	114·2	115·2	115·0	114·4	114·9	115·0	115·9	116·0	115·3	113·9
45 0	112·2	114·4	115·4	115·0	114·5	114·8	115·0	115·6	116·0	115·0	115·1
50 0	112·4	114·4	115·5	115·1	114·0	115·0	114·8	116·5	115·8	115·0	116·0
55 0	112·6	114·4	115·7	115·0	114·2	114·8	115·0	116·6	115·7	114·3	116·4

	One Scale Division = ·000087 parte of the H. F. HORIZONTAL FORCE.										
M. S.											
2 0	567·9	565·1	565·3	563·9	565·0	563·6	565·0	566·7	560·0	564·1	562·0
7 0	567·2	565·8	564·2	564·0	566·0	564·4	565·3	568·0	560·8	565·0	562·3
12 0	567·2	565·8	564·0	564·0	566·0	564·9	565·1	564·0	561·0	564·8	564·1
17 0	566·0	565·3	562·1	563·4	565·2	564·8	565·7	564·8	561·2	563·0	563·0
22 0	566·4	564·5	558·2	563·0	564·8	565·0	565·1	564·7	561·4	563·0	563·1
27 0	566·2	562·3	557·6	564·0	565·0	565·1	566·0	563·9	561·3	563·0	564·0
32 0	566·8	564·6	559·7	564·1	564·1	565·7	567·6	564·0	561·4	563 0	565·0
37 0	565·7	563·8	560·2	563·9	564·7	566·0	567·8	565·9	561·4	563·0	564·0
42 0	565·8	565·6	561·7	563·5	565·0	566·0	567·0	565·8	561·1	563·0	563·5
47 0	563·1	565·1	563·7	564·3	561·8	565·5	566·4	565·8	561·2	563·3	564·0
52 0	562·2	565·2	564·4	564·2	562·0	565·6	567·3	561·7	562·8	563·0	563·6
57 0	564·4	565·2	563·8	564·2	563·0	565·6	567·0	560·9	563·0	563·0	565·0
Thermometer	66°·0	66°·2	66°·2	66°·0	65°·4	65°·2	65°·0	64°·7	64°·5	64°·2	63°·1

	One Scale Division = ·000062 part of the V. F. VERTICAL FORCE.										
M. S.											
3 0	89·9	89·9	90·7	91·3	90·2	87·9	88·9	88·7	87·9	90·0	90·3
8 0	89·9	90·7	90·7	91·4	90·2	87·9	88·9	88·7	87·9	90·3	90·3
13 0	90·2	90·2	90·7	91·7	89·9	87·9	88·9	88·4	89·1	90·3	90·1
18 0	90·5	90·2	90·7	91·2	89·9	87·9	89·1	88·4	89·1	90·3	90·1
23 0	90·1	90·2	90·2	91·2	89·8	87·9	89·1	88·4	89·1	89·9	90·1
28 0	90·1	90·2	90·3	91·2	89·6	87·9	89·1	88·4	89·1	89·9	89·9
33 0	89·5	90·7	90·3	91·2	88·5	87·9	89·1	88·4	89·1	89·9	89·8
38 0	89·5	90·7	91·7	91·2	88·5	87·9	89·1	88·5	88·8	90·2	89·8
43 0	90·7	90·7	91·4	91·6	88·5	87·9	88·6	88·5	89·7	90·4	89·8
48 0	89·3	90·7	91·4	92·3	87·9	87·8	88·6	88·5	89·7	90·4	90·0
53 0	90·2	90·7	91·4	92·5	87·9	88·9	88·7	87·9	90·0	90·5	90·0
58 0	89·9	90·7	91·4	90·2	87·9	88·9	88·7	87·9	90·0	90·1	90·0
Thermometer	64°·8	65°·0	65°·2	64°·8	65°·6	66°·4	66°·3	65°·6	65°·6	64°·9	64°·1

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Weather.
		Dry.	Wet.	Direction.	Force.	
D. H. M.	In.	°	°			
18 10 0	29·786	66·7	60·4	S. by W.	Very light.	Overcast with light cir.-cum., cir.-strat. and haze. [spar
11 0	29·771	64·5	56·2	S. by W.	Light.	Generally overcast with light cir.-cum., cir.-strat. and haze; cir
12 0	29·769	61·3	56·3	S. W. by S.	Very light.	Generally overcast with light cir.-cum., cir.-strat. and haze; cir
13 0	29·772	59·8	55·3	W. S. W.	Very light.	Overcast with light cir.-cum., cir.-strat. and haze. [spar
14 0	29·778	56·8	53·7	W. by N.	Very light.	Overcast with light cir.-cum., cir.-strat. and haze.
15 0	29·794	58·2	52·8	W.	Very light.	Clear in N. horizon; remainder overcast; cir.-cum., cir.-strat. and
16 0	29·794	56·6	52·2	—	Calm.	Clear in N.W.; remainder overcast.; cir.-strat. and cir.
17 0	29·791	54·6	51·2	—	Calm.	Overcast cir.-strat. and haze; clear spaces in N.
18 0	29·793	35·3	50·6	N. W. by N.	Very light.	Generally overcast; cir.-strat. and haze. [about
19 0	29·806	54·7	40·6	—	Calm.	Generally overcast cir.-strat.; imperfect halo round the moon. [
20 0	29·807	49·4	47·0	—	Calm.	Clear and unclouded.
21 0	29·807	48·7	47·0	—	Calm.	Cir. and cir.-cum. in W. and N.; remainder clear.

MAGNETICAL OBSERVATIONS. June 18th and 19th.

DECLINATION. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
117·0	119·0	123·0	124·7	125·4	125·4	122·0	118·8	112·5	108·9	108·2	108·5	110·0
116·4	119·3	122·0	124·8	125·4	125·3	121·0	118·0	112·2	108·8	108·0	108·8	110·2
117·8	120·0	122·2	125·0	125·8	125·4	120·8	117·6	112·0	108·8	108·0	109·0	110·2
117·6	120·7	122·4	125·0	126·1	124·2	120·6	117·0	111·4	108·8	108·0	108·6	110·4
117·3	121·0	123·2	125·0	126·0	122·5	119·8	116·4	111·1	108·9	108·0	108·4	110·0
119·3	121·0	124·0	125·2	126·3	123·1	118·2	116·2	110·9	108·7	108·0	108·8	110·0
119·0	121·0	123·2	125·0	126·3	123·6	120·0	115·9	110·7	108·2	108·2	108·8	111·2
118·0	121·0	123·0	125·0	126·6	123·4	120·3	115·1	110·1	108·3	108·4	109·0	111·7
117·2	121·0	123·8	125·0	126·6	123·2	119·9	114·7	109·7	108·0	108·2	109·0	112·0
116·6	121·2	122·6	125·3	126·2	123·0	120·0	114·0	109·2	107·8	108·4	109·0	112·0
117·0	121·5	124·0	125·7	126·8	122·8	119·0	113·1	109·0	108·0	108·1	109·2	112·4
118·0	121·3	124·0	125·5	125·4	122·6	119·0	112·9	109·0	108·0	108·7	109·8	113·0

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·000234.

566·0	566·0	568·0	567·3	573·0	569·2	562·4	557·0	553·8	555·0	565·4	573·0	570·6
565·5	566·0	567·4	570·0	572·4	569·2	561·2	556·8	553·2	555·2	564·0	573·8	572·7
566·5	565·0	569·0	571·0	571·9	568·6	559·1	555·4	553·8	556·0	565·5	572·3	572·5
568·0	565·4	568·6	571·2	572·1	569·7	558·0	555·3	554·0	557·2	565·8	571·0	574·6
563·3	565·0	569·5	571·0	570·8	567·4	559·8	555·2	554·0	557·8	566·5	571·5	572·6
564·0	566·8	569·0	572·4	571·2	565·6	558·0	555·5	555·0	558·9	567·8	570·7	570·7
563·9	566·6	568·4	572·4	571·0	565·8	557·0	556·0	554·8	559·8	570·0	570·0	571·4
563·0	568·0	568·0	573·0	569·8	565·8	557·2	555·4	554·0	561·0	570·7	568·8	571·0
567·0	567·2	568·4	572·6	571·2	565·0	557·5	555·2	554·0	562·0	572·3	568·6	570·8
567·0	567·8	568·4	573·0	570·0	564·2	557·8	554·0	553·3	561·0	573·5	570·4	570·0
567·0	566·0	568·6	572·6	570·4	562·5	557·7	554·0	553·8	562·3	574·0	570·8	570·2
567·0	565·8	568·0	572·7	570·6	563·0	557·1	553·8	554·2	564·0	573·0	571·0	571·5
°	°	°	°	°	°	°	°	°	°	°	°	°
63·2	62·7	62·3	62·6	63·0	63·5	65·2	65·0	65·5	66·0	66·5	66·8	67·7*

VERTICAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

91·0	93·0	93·7	93·9	94·3	92·3	90·9	89·2	88·2	87·4	87·1	86·4	87·7
91·0	93·0	93·8	93·1	93·6	92·3	90·3	89·2	87·8	87·2	86·9	88·1	87·7
91·7	93·1	93·6	93·2	92·4	92·8	90·1	89·2	87·8	87·1	86·9	88·0	87·9
91·9	93·1	93·7	93·2	92·4	92·8	90·1	89·0	87·8	87·1	87·0	88·2	88·8
91·3	93·1	95·0	93·2	92·3	92·8	90·1	88·8	87·7	86·6	87·0	88·2	88·6
91·8	93·8	94·1	93·6	92·3	91·8	89·8	88·8	87·7	86·6	88·4	88·1	88·6
92·1	93·8	94·2	93·8	92·3	91·8	89·7	88·8	87·7	86·6	87·3	88·1	88·5
92·8	93·3	94·2	93·8	92·1	91·8	89·7	88·4	87·7	86·5	88·8	88·1	88·4
93·0	93·6	93·9	93·9	93·1	91·8	89·4	88·4	87·2	86·5	87·3	88·1	88·4
93·0	93·7	93·9	93·5	92·3	91·8	89·6	88·2	87·4	86·5	87·4	88·0	87·4
92·7	93·7	93·9	93·5	92·3	91·2	89·7	88·2	87·4	86·6	87·4	88·1	89·0
93·0	93·7	93·9	93·3	92·4	91·2	89·3	88·2	87·4	87·1	86·2	88·1	87·9
°	°	°	°	°	°	°	°	°	°	°	°	°
64·1	63·6	62·7	62·4	63·6	63·6	63·8	64·6	64·8	65·1	65·6	66·1	67·0*

* At 19h 10h Thermometer of H. F. 68°·0; of V. F. 67°·6.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
18	22	0	29·809	46·7	45·7	—	Calm.	Cir.-cum. and haze general; a few clear spaces.
	23	0	29·826	46·2	45·0	—	Calm.	Cir.-cum. and cir.-strat. floating about.
19	0	0	29·838	53·3	50·4	—	Calm.	Cir.-cum. and cir.-strat. round horizon; remainder clear.
	1	0	29·848	56·8	53·1	—	Calm.	Uncloaded, save range of cir.-strat. in S. horizon.
	2	0	29·849	62·5	58·1	S. W.	Very light.	Clear except light cir.-strat. and haze round horizon.
	3	0	29 858	64·4	59·2	S. W. by S.	Very light.	A few cir.-strat. in N. horizon; remainder clear.
	4	0	29·870	66·6	61·1	S. W. by S.	Very light.	Light cir.-cum. scattered round horizon; zenith clear.
	5	0	29·875	67·6	62·2	S. W. by S.	Very light.	A few cir.-cum. dispersed round horizon.
	6	0	29·868	68·4	61·7	S. S. W.	Very light.	Cir.-cum. dispersed round horizon.
	7	0	29·857	69·4	61·6	S. S. W.	Very light.	Uncloaded; hazy round horizon.
	8	0	29·849	70·0	61·3	S. S. W.	Very light.	Clear and uncloaded.
	9	0	29·855	71·2	62·3	S. by W.	Very light.	Uncloaded.

July 23rd and 24th. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0'·721. DECLINATION.										
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	108·6	112·4	115·8	117·4	115·8	116·0	121·8	119·7	124·2	120·0	114·0
5	0	108·6	112·9	115·5	117·0	115·3	116·2	123·8	120·7	128·2	119·0	114·8
10	0	109·0	113·0	115·6	117·0	115·6	116·0	125 0	118·0	130·6	118·1	113·7
15	0	110·0	114·4	116·0	117·2	116·0	116·0	125·2	115·1	132·2	117·2	113·1
20	0	110·2	113·1	116·4	116·8	115·8	116·2	124·9	115·8	132·0	116·0	113·1
25	0	110·2	113·4	116·6	116·4	115·7	116·5	122·9	114·2	129·1	115·0	113·4
30	0	110·7	114 2	116·9	116·0	115·2	116·6	121·2	112·0	126·2	114·7	113·4
35	0	111·0	114·8	117·2	116·1	115·2	117·0	121·3	111·9	124·0	114·7	113·4
40	0	111·2	115·0	117·0	116·2	115·0	117·4	120·8	111·3	122·3	114 0	113·6
45	0	111·8	115·3	117·6	116·3	115·0	118·5	120·3	114·1	121·5	114·0	113·6
50	0	112·1	115·4	117·9	117·0	116·0	119·0	120·0	116·2	120·6	114·1	114·4
55	0	112·0	115·7	117·8	116·5	116·0	119·3	119·5	118·9	120·8	115·2	114·3

		One Scale Division = ·000087 parts of the H. F. HORIZONTAL FORCE.										
M.	S.											
2	0	553·0	554·2	549·7	552·0	555·0	560·0	543·1	547 2	544·3	550·6	555·1
7	0	550·2	551·4	548·7	551·5	554·8	558·0	541·2	548·0	546·9	551 2	556·0
12	0	549·6	551·9	546·6	553·0	556·1	557·1	539·0	548·0	550·0	554·0	559·0
17	0	551·1	550·3	544·7	555·0	556·2	558·3	538·7	548·2	551·1	555 0	556·0
22	0	552·0	550·8	544·5	554·0	556·7	558·2	539·8	545·0	554·0	555·0	556·0
27	0	553·0	550·6	544·6	553·6	557·0	558·2	541·1	544·0	554·2	555·0	556·0
32	0	552·6	552·6	546·7	554·4	557 0	558·0	542·0	540·8	557·0	555·0	556·0
37	0	548·5	554·3	546·8	554·1	557·0	558·0	543·0	539·1	554·7	557·0	555·0
42	0	551·3	553·2	546·8	554·0	556·1	556·6	545·1	540·2	552·2	557·0	554·0
47	0	551·7	554·0	548·8	555·0	557·0	556·4	546·5	541·9	552·0	555·2	555·0
52	0	552·8	552·2	548·7	556·7	559·6	555·0	546·0	543·1	548·8	554·5	556·0
57	0	553·0	550·9	551·5	556·0	560·0	547·3	546·9	541·9	549·0	556 4	556·0
Thermometer		72°·6	72°·4	72°·3	73°·0	71°·5	71°·2	70°·8	71°·0	70°·5	70°·5	70°·1

		One Scale Division = ·000062 parts of the V. F. VERTICAL FORCE.										
M.	S.											
3	0	70·0	71·8	71·5	71·7	62·8	61·6	63·6	65·6	50·7	62·6	69·4
8	0	70·0	71·8	70·8	71·4	62·8	60·7	64·0	64·8	52·4	63·8	69·0
13	0	69·9	71·2	70·8	70·8	62·5	60·7	64·2	63·0	53·8	63·8	69·0
18	0	71·4	72·3	70·8	71·0	62·0	61·5	65·7	60·5	54·1	63·8	69·0
23	0	71·4	72·3	70·8	70·2	61·5	61·5	65·7	56 5	54·8	63·2	69·0
28	0	71·4	71·8	70·8	70·2	61·5	61·5	66 5	54·2	55·6	63·2	69·0
33	0	71·4	71·8	70·8	69·1	61·5	61·5	66·2	51·9	55·4	62·7	69·0
38	0	71·1	71·8	70·8	66·9	61·4	61·5	66·3	51·3	57·4	62·7	69·0
43	0	71·8	71·8	70·8	66·1	61·4	62·0	66·3	51·2	57·7	62·7	69·0
48	0	71·8	71·5	70·8	65·8	61·4	61 8	66·3	50·4	57·7	62·1	69·1
53	0	71·8	71·2	70·8	64·1	61·4	66·1	66·0	50·0	60·2	61·8	69·3
58	0	71·8	71·1	70·8	63·7	61·2	64·0	66·0	50·0	60·2	62 4	69·7
Thermometer		71°·3	71°·5	71°·5	70°·5	72°·9	73°·5	72°·5	71°·5	71°·5	71°·5	72°·1

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	in.	°	°			
23	10	0	29·579	66·7	60·7	N, N. W.	Moderate.	Light cir.-strat. scattered about.
	11	0	29·595	67·7	57·0	N. N. W.	Brisk	Light cir.; haze round horizon. [pearly cir.
	12	0	29·599	67·1	54 8	N. N. W.	Moderate.	Light cir.-cum. in W. and N. W.; cir. and haze round horiz.
	13	0	29·603	65·3	56 6	—	Calm.	Cir.-cum. and cir.-strat. generally dispersed.
	14	0	29·605	63·3	55·2	—	Calm.	Overcast; cum.-strat. and cir.-cum.
	15	0	29·622	62·9	59·0	N. W.	Light.	Overcast; cum.-strat. and cir.-cum.
	16	0	29·622	61·2	54·2	—	Calm.	Densely clouded; cum.-strat. and cir.-cum.
	17	0	29·614	59·4	54·1	—	Calm.	Generally overcast; cum.-strat. and cir.-cum.
	16	0	29·608	56·3	53·2	—	Calm.	Generally overcast; cum. strat. and cir.-cum.
	19	0	29·604	58·3	51·7	—	Calm.	Densely clouded; cum.-strat., cir.-cum., and haze.
	20	0	29·605	57·0	52·2	—	Calm.	Clouded; cir.-cum. and haze.
	21	0	29·585	56·3	52·2	—	Calm.	Clouded; cir.-cum. and haze.

MAGNETICAL OBSERVATIONS. July 23rd and 24th.

Declination. Angular Value of one Scale Division = 0′·721.

21ʰ.	22ʰ.	23ʰ.	0ʰ.	1ʰ.	2ʰ.	3ʰ.	4ʰ.	5ʰ.	6ʰ.	7ʰ.	8ʰ.	9ʰ.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
114·3	114·8	116·0	119·0	120·4	120·4	122·0	117·0	109·7	108·0	106·1	106·7	109·4
115·0	114·7	116·4	119·0	120·9	121·0	122·2	117·0	109·2	107·0	106·2	107·1	111·0
115·0	114·8	117·0	119·0	121·6	121·0	122·2	116·2	108·7	106·2	105·8	107·3	111·2
115·0	115·0	117·2	119·8	122·2	120·8	121·9	115·3	107·8	105·9	106·8	107·2	112·0
114·2	115 2	118·0	119·8	122·4	121·0	121·8	114·1	107·0	106·2	107·0	107·0	112·7
114·7	115·3	118·0	120·7	122·9	121·4	121·4	113·5	106·8	106·6	107·6	106·8	112·0
115·0	115·7	118·0	120·0	123·3	121·4	120·2	113·0	106·8	107·2	108·0	106·4	111·2
115·2	116·0	117·2	119·3	123·2	121·8	119·0	111·6	106·3	107·2	107·6	107·4	110·2
115·0	116·0	117·7	121·0	122·0	122·0	119·0	109·7	106·2	108·0	106·6	108·0	111·4
115·0	116·5	118·0	121·4	121·6	122·0	118·3	108·3	106·9	107·0	106·0	107·2	111·2
115·0	118·0	118·0	121·2	121·0	122·0	118·0	109·0	107·0	107·0	106·8	108·4	113·0
115·0	117·8	118·0	122·4	120·3	122·0	117·2	109·2	108·0	106·3	107·0	108·8	112·4

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·000234.

556·0	558·0	562·0	555·7	552·2	549·8	543·8	525·2	535·8	553·8	556·0	560·0	566·0
556·0	558·0	561·8	557·0	554·2	551·2	542·5	526·0	537·0	554·1	557·0	566·7	566·0
556·0	558·2	561·7	556·5	554·5	551·7	541·2	527·0	538·7	554·5	560·0	567·0	564·0
558·0	558·0	561·4	558·0	553·8	553·8	539·9	529·1	541·9	555·6	561·0	566·0	569·8
557·8	557·8	561·0	557·6	553·9	552·5	538·9	530·8	541·0	558·4	561·8	566·0	569·5
557·0	556·8	560·8	556·0	551·3	552·2	538·2	531·7	542·0	559·0	561·6	566·9	572·3
556·1	558·0	557·8	555·8	548·9	553·7	536·2	532·5	545·2	561·2	562·5	566·9	572·3
558·0	557·8	558·0	555·9	549·0	548·9	531·2	533·7	548·9	560·8	562·7	566·8	573·6
558·0	560·2	558·0	556·8	547·9	547·8	532·0	535·1	548·4	561·0	564·0	566·0	573·0
558·0	560·0	558·7	556·0	549·4	547·2	531·0	534·0	549·0	559·0	566·9	562·0	565·8
558·0	560·2	558·0	553·7	549·0	546·0	528·8	534·0	550·5	557·0	567·3	561·8	567·3
558·0	560·8	558·4	554·4	549·2	545·3	525·4	534·7	551·0	556·0	565·9	561·6	570·8
°	°	°	°	°	°	°	°	°	°	°	°	°
70·0	69·5	69·2	69·2	68·5	68·0	67·8	68·0	68·0	68·2	68·6	69·0	70·0 *

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

62·7	66·3	68·0	67·8	70·1	74·1	74·7	73·8	75·1	74·4	77·7	80·2	80·1
62·7	66·3	67·5	68·0	71·6	74·4	76·0	73·3	75·2	74·4	77·5	80·5	80·2
62·8	66·3	67·3	68 0	72·3	74·4	75·1	73·4	75·2	75·5	77·5	80·5	79·6
62·8	66·3	66·7	68·2	72·8	74·4	75·1	73·8	76·1	75·5	77·5	80·5	79·6
63·4	66·3	66·4	69·3	71·9	74·4	75·1	75·4	74·8	75·9	78·0	80·5	80·9
63·4	66·3	66·4	70·1	71·9	74·4	75·0	75·8	74·8	75·9	78·0	80·5	81·7
64·3	66·3	66·9	70·9	74·0	74·2	75·0	75·8	74·3	78·2	78·0	80·5	81·7
65·1	66·3	66·9	70·9	74·0	74·6	73·9	75·3	74·5	77·2	79·0	80·5	82·0
65·7	66·3	66·9	70·9	74·6	74·8	73·7	75·9	74·5	77·2	78·9	80·1	82·0
65·7	66·3	66·9	72·0	74·0	75·1	73·7	74·3	74·1	77·2	80·1	80·1	81·7
66·3	66·3	67·1	71·8	74·0	75·3	73 4	75·1	74·3	77·2	80·1	80·1	83·3
66·7	67·1	67·1	70·1	74·0	75·3	74·3	75·1	76·2	77·2	79·9	80·1	84·4
°	°	°	°	°	°	°	°	°	°	°	°	°
72·5	71·6	71·1	71·0	68·8	68·5	68·2	68·3	68·1	68·1	68·6	68·7	69·3 *

* At 24ʰ 10ᵐ Thermometer of H. F. 70°·6; of V. F. 69°·5.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Weather.
		Dry.	Wet.	Direction.	Force.	
D. H. M.	In.	°	°			
23 22 0	29·592	57·8	52·9	—	Calm.	Clouded; cir.-cum. and haze.
23 0	29·605	57·4	52·2	—	Calm.	Clouded; cir.-cum. and haze.
24 0 0	29·611	57·8	54·2	—	Calm.	Clouded; cir.-cum. and haze; spitting rain.
1 0	29·619	57·3	54·2	—	Calm.	Overcast; cir.-strat. and haze; slight spitting rain.
2 0	29·615	57·6	54 4	—	Calm.	Overcast; cir.-strat. and haze; slight spitting rain.
3 0	29·620	58·2	53·7	—	Calm.	Clouded; cum.-strat. and cir.-cum.
4 0	29·638	59·8	55·2	—	Calm.	Clouded; cum.-strat. and cir.-cum.
5 0	29·628	60·1	55·2	N.	Light.	Clouded; cum.-strat. and cir.-cum.
6 0	29·613	62·0	56·1	N. N. W.	Moderate.	Clouded; cum.-strat. and cir.-cum; clear spaces.
7 0	29·583	66·4	57·5	N. W.	Moderate.	Detached cum. and cir.-cum.; clear spaces.
8 0	29·575	60·4	59·1	N. N. W.	Moderate.	Detached cum. and cir.-cum; clear spaces.
9 0	29·569	70·2	59·5	N.	Moderate.	Detached cum. and cir.-cum.; clear spaces.

August 29th and 30th. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0'·721. DECLINATION.										
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	99·0	109·8	114·0	124·8	109·1	123·7	118·0	119·0	122·0	105·0	110·0
5	0	100·0	109·4	116·8	124·1	112·0	120·4	116·8	112·3	124·8	102·0	117·2
10	0	99·0	108·6	124·0	122·3	113·0	119·9	120 9	111·2	125·0	96·0	120·4
15	0	98·0	110·3	130·8	122·2	111·5	122·6	126·4	110·2	126·0	89·0	115·9
20	0	106·3	111·2	134·9	125·4	109·1	124·9	128·5	113·4	121·2	82·7	110·8
25	0	119·1	110·8	133·8	125·1	110·2	124·0	127·0	115·2	112·0	81·5	109·7
30	0	124·0	111 2	129·2	119·7	112·8	112·8	124·0	117·8	108·0	85·5	107·9
35	0	119·5	110·3	129·1	115·3	115·1	106·0	124·8	118·0	108·4	89·6	104·9
40	0	116·3	112·0	129·2	116·1	117·6	106·1	126·7	119·8	109·0	95·4	105·3
45	0	112·0	112·8	127·9	116·7	115·7	111·7	125·0	117·0	111·0	98·6	110·0
50	0	109·1	113·8	125·6	115·0	117·0	113·0	119·0	117·0	111·4	104·4	118·9
55	0	110·6	114·5	124·2	113·8	121·2	116·0	115·0	118·2	109·5	107·4	128·0
		One Scale Division = ·000087 parts of the H. F. HORIZONTAL FORCE.										
M.	S.											
2	0	420·0	444·3	466·5	461·0	470·5	461·5	462·5	450·0	464·6	461·0	476·0
7	0	417·7	440·4	467·1	455·7	470·0	465·0	462·0	450·6	463·6	460·4	464·1
12	0	444·6	443·9	462·9	469·0	465·5	467·0	465·0	444·0	461·8	471·2	456·1
17	0	447·9	445·8	457·8	472·3	465·0	460·0	461·0	443·5	461·6	478·2	450·3
22	0	461·1	445·8	455·2	467·9	468·0	450·0	458·3	445·6	467·3	488·7	446·1
27	0	462·6	441·9	451·8	463·8	468·5	441·0	456·3	446·8	466·0	505·6	444·0
32	0	446·2	446·0	460·2	463·0	466·5	443·8	456·0	446·0	466·4	509·4	443·9
37	0	438·3	449·9	461·0	468·6	465·0	455·8	455·2	445·6	464·0	508·0	452·1
42	0	436·5	450·0	463·2	470·0	461·0	459·8	453·9	452·8	457·0	503·7	451·6
47	0	438·2	450·8	461·3	468·0	460·0	460·0	450·2	453·4	458·6	498·0	454·5
52	0	441·6	459·0	456·8	467·5	465·0	460·0	450·6	456 0	454·0	494·1	467·2
57	0	443·8	462·1	463·5	464·0	465·0	462·5	452·0	461·6	455·8	487·4	470·4
Thermometer		73°·8	74°·5	74°·8	74°·9	75°·0	74°·6	74°·6	74°·6	74°·0	73°·8	73°·0
		One Scale Division = ·000062 parts of the V. F. VERTICAL FORCE.										
M.	S.											
3	0	173·0	145·5	142·5	136·2	135·8	122·4	123·4	113·6	105·9	106·0	80·3
8	0	170·7	145·5	142·5	135·4	135·8	122·2	123·4	113·8	106·7	105·6	84·2
13	0	174·1	145·1	142·6	135·8	134·0	125·7	123·8	118·5	106·7	104·6	89·1
18	0	171·6	144·7	142·6	137·1	134·0	126·4	123·8	118·5	106·7	85·1	92·6
23	0	162·6	144·3	142·6	138·2	134·5	124·5	121·3	119·2	106 7	82·1	95·0
28	0	156 2	144·3	138·8	138·2	134·5	118·7	121·0	119·2	104·5	74·1	96·9
33	0	157·9	143·5	139·1	138·9	133·4	116·1	118·4	119·2	104·7	70·7	92·4
38	0	151·2	143·5	138·9	139·5	132·4	116·1	114·6	120·2	104·7	68·4	89·1
43	0	150·0	142·9	136·6	138·9	130·3	118 9	114·2	116·6	111·6	69·2	87·1
48	0	149·0	142·9	138·1	138·1	128·4	120·9	111·8	116·2	113·6	70·9	86·4
53	0	147·6	142·5	137·7	137·0	128·0	122·7	111·4	112·8	113·6	71·7	94·3
58	0	145·5	142·5	137·7	137·0	126·6	123·4	108·5	112·8	113·6	78·1	84·5
Thermometer		72°·5	73°·1	73°·3	74°·7	75°·4	75°·5	75°·5	75°·3	74°·1	74°·1	74°·1

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	in.	°	°			
29	10	0	29·535	77·4	71·6	S. by E.	Very light.	Cum.-strat., cir.-cum., and haze; clouded.
	11	0	29·517	75·5	70·9	S. by W.	Very light.	Densely clouded; cum.-strat., cir.-cum., and haze.
	12	0	29·514	74·4	70·0	S. by W.	Very light.	Densely clouded; cum.-strat., cir.-cum., and haze.
	13	0	29·512	73·2	69·0	—	Calm.	Densely clouded; cum.-strat., cir.-cum., and haze.
	14	0	29·506	73·0	68·5	S. by W.	Very light.	Densely clouded; cum.-strat., cir.-cum., and haze; constant dist lightning in S. W. and W.; began to rain at 45 minute.
	15	0	29·533	70·5	66·9	N. W.	Very light.	Densely clouded; very dark; raining constantly; heavy at intervals, lightning and occasional thunder.
	16	0	29·494	68·7	97·0	S. by W.	Very light.	Densely clouded; constant rain; heavy at intervals; shot lightning and distant thunder in N.
	17	0	29·494	69·1	67·7	S. W.	Brisk.	Densely clouded; very dark; raining moderately and constantly; lightning and distant thunder in N. W.
	18	0	29·490	68·9	67·5	S. W.	Brisk.	Densely clouded; very dark; raining moderately and constantly; occasional lightning and distant thunder.
	19	0	29·466	66·7	67·1	S. W.	Moderate.	Densely clouded; very dark; constant moderate rain.

MAGNETICAL OBSERVATIONS. August 29th and 30th.

DECLINATION. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
131·8	108·0	119·0	126·6	122·0	120·6	115·0	108·2	107·8	102·2	99·6	103·2	107·2
121·5	108·2	118·1	126·6	122·3	117·7	114·0	108·4	106·0	107·4	98·3	103·3	107·4
117·9	108·6	118·0	124·6	123·7	115·1	113·1	108·4	106·0	108·4	99·1	104·1	108·2
98·8	112·0	121·0	126·0	123·8	115·3	113·0	109·3	107·0	102·8	101·0	104·4	108·0
89·2	112·2	123·2	126·4	123·1	116·0	112·0	109·3	105·2	101·7	102·2	105·0	107·7
89·3	114·8	122·0	126·0	123·8	117·3	112·0	108·9	104·0	101·2	100·8	105·5	108·2
91·8	117·0	123·7	126·5	122·2	116·9	111·3	108·0	108·0	100·2	101·6	105·8	108·0
94·0	117·8	124·6	124·6	121·8	116·2	111·5	108·0	102·2	99·4	102·4	105·9	108·3
95·8	120·2	124·0	124·0	123·0	116·0	112·0	108·0	100·4	99·0	103·0	106·1	108·0
97·1	119·4	125·0	123·0	122·8	115·0	111·0	107·0	103·0	98·6	103·0	106·8	110·5
101·4	118·8	124·0	122·3	122·3	114·9	110·3	107·2	102·2	98·5	103·0	107.4	112·4
104·0	120·0	121·6	122·2	121·7	114·0	109·8	107·0	102·8	98·2	102·9	107·1	112·3

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah'. = ·000234.

490·4	454·0	441·0	442·0	454·8	461·2	466·1	470·5	464·4	456·8	461·3	442·6	439·1
499·3	458·8	440·0	437·6	456·5	462·0	466·5	471·5	466·4	458·3	464·8	439·0	435·6
507·9	454·3	440·4	444·6	450·6	463·6	465·5	471·5	465·4	455·0	462·4	439·3	440·9
515·5	453·6	443·0	444·0	453·8	465·3	466·8	468·5	465·6	453·0	456·9	438·7	440·4
509·4	453·6	440·6	441·8	454·5	463·0	466·5	467·5	465·6	457·5	452·9	440·0	441·7
497·4	453·6	441·6	449·0	454·6	463·5	466·6	463·0	466·0	462·2	456·9	441·4	442·2
501·7	453·4	443·2	449·6	457·6	462·0	469·0	466·0	459·7	461·0	455·4	439·9	441·1
486·4	449·6	438·6	448·7	458·0	462·5	469·4	468·3	464·6	462·7	451·5	437·4	440·9
484·2	449·0	439·4	452·4	457·0	464·0	470·5	467·0	465·0	461·8	448·2	436·3	445·3
474·8	443·7	440·0	453·8	461·0	462·0	470·5	466·4	463·6	463·3	446·9	436·0	444·0
470·8	444·0	439·6	454·8	463·5	462·0	470·5	467·5	463·0	463·3	445·5	433·4	440·9
461·6	443·7	436·6	453·0	463·5	464·0	469·5	465·8	459·8	462·8	442·6	444·8	440 4
°	°	°	°	°	°	°	°	°	°	°	°	°
73·8	73·6	73·3	73·2	73·2	73 0	73·0	73·1	73·7	74·2	75·2	75·2	76·0*

VERTICAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah'. = ·00007.

80·2	95·0	120·7	123·2	128·6	129·5	128·9	130·3	131·1	130·8	132·4	133·8	133·8
79·7	97·5	120·7	123·2	130·5	129·5	129·3	130·3	131·1	129·9	132·4	133·8	134·3
76·2	101·2	120·7	123·2	130·5	129·2	129·6	130·3	131·4	131·0	131·8	153·5	133·8
77·0	106·0	120·7	123·8	130·6	124·0	129·1	130·9	131·4	131·0	131·8	136·8	134·2
80·9	111 3	120·8	123·8	130·1	129·0	129·1	130·9	131·5	130·0	134·1	133·6	137·0
85·3	111·6	120·8	125·4	130·1	129·0	129·6	130·9	131·2	129·3	134·1	133·6	134·5
83·6	112·4	121·0	123·3	129·0	129·5	128·9	130·9	130·2	129·3	133·2	132·8	134·6
89·3	114·7	121·2	123·6	128·5	129·5	128·9	128·7	130·2	131·3	132·8	133·6	134·6
87·2	114·6	122·1	126·6	128·5	129·0	129·4	128·7	130·2	131·6	133·1	133·9	134·5
88·3	118·0	122·1	127·6	128·5	129·0	129·9	131·4	129·2	131·2	134·1	133·9	134·3
89·4	117·6	123·2	128·6	128·5	129·9	130·3	131·4	129·2	130·8	133·8	137·8	134·3
92·8	118·0	123·2	128·6	128·5	128·9	130·6	131·1	126·1	129·9	133·8	134·4	134·3
°	°	°	°	°	°	°	°	°	°	°	°	°
74·1	74·1	73·8	73·7	73·2	72·7	72·6	73·0	73·3	73·5	73·9	74·3	75·0*

* At 30d 10h Thermometer of H. F. 76°·3; of V. F. 75°·5

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
29	20	0	29·470	66·7	65·1	W. S. W.	Light.	Densely clouded; cir.-cum. and cum.-strat.; showery.
	21	0	29·460	66·1	64·9	—	Calm.	Densely clouded; showery.
	22	0	29·454	66·1	65·1	—	Calm.	Densely overcast; showery.
	23	0	29·457	66·4	65·3	—	Calm.	Densely overcast; cir.-cum. and cum.-strat.
30	0	0	29·461	66·9	65·7	—	Calm.	Densely overcast; cir.-cum. and cum.-strat.
	1	0	29·467	67·6	66·3	—	Calm.	Densely clouded; cum.-strat., cir.-cum., and haze.
	2	0	29·479	67·1	66 3	—	Calm.	Densely clouded; cir.-cum. and haze.
	3	0	29·486	69·3	67·4	N. W.	Very light.	Clouded; dense cir.-cum. and haze.
	4	0	29·484	72·0	67·5	N. W.	Very light.	Clouded; cir.-cum. and cum.; sun breaking through.
	5	0	29·472	73·0	65·3	N. N. W.	Very light.	Clouded; cir.-cum. and cum., with clear spaces.
	6	0	29·480	74·5	65·7	N. W.	Very light.	Cir.-cum. generally dispersed.
	7	0	29·471	75·6	65·9	N. N. W.	Very light.	Detached cir.-cum. and cum.-strat. scattered about.
	8	0	29·468	76 7	65·7	N. by W.	Very light.	Detached cir.-cum. and cum.-strat. scattered about.
	9	0	29·413	77·7	66·5	N. by W.	Very light.	Detached cir.-cum. and cum.-strat.; clear spaces.

September 24th and 25th. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0'·721. DECLINATION.									
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	110·0	112·4	113·0	110·2	113·2	109·5	117·0	126·5	128·0	126·3	107·1
5	0	111·8	113 0	113·3	110·2	112·5	109·2	117·2	122·0	131·2	131·4	108 1
10	0	112·0	112·8	114·0	111·2	110·6	113·8	115·4	121·8	131·7	136·7	107·3
15	0	112·2	112·7	113·2	112·7	109·1	123·4	112·9	121·0	128·7	135·9	107·4
20	0	112·0	112·4	113·0	113·6	107·6	122·2	112·5	122·0	125·1	131·6	102·3
25	0	112·0	112·7	113·0	113·4	109·2	120·4	115·0	121·2	122·0	132·1	101·1
30	0	112·2	112·4	112·3	112·0	114·1	119·0	116·7	119·0	120·7	138·5	92·2
35	0	112·0	113·0	111·4	112·1	114·5	115·4	120·0	117·4	118·2	138·8	83 5
40	0	112·0	112·0	110·8	110·8	108·0	115·0	122·0	117·8	120·9	136·6	88·4
45	0	112·8	112·2	110·6	111·2	105·6	113·8	122·2	116·7	123·3	124·1	90·1
50	0	112·4	111·8	110·0	112·9	104 8	114·2	125·0	115·1	125·2	112·5	93 2
55	0	112·8	112·0	109·4	113·6	106·2	117·6	127·2	122·3	125·6	112·3	98·7
		One Scale Division = ·000087 parts of the H. F. HORIZONTAL FORCE.										
M.	S.											
2	0	400 8	407·2	409·8	418·8	429·0	448·6	450·3	459·8	462·3	470·4	532·1
7	0	402·2	410·0	408·8	421·3	429·8	444·8	450·0	461·0	456·6	465·0	534·7
12	0	400·8	412·8	403·7	422·8	430·6	446·3	446·7	463·6	452·1	463·4	530·2
17	0	401·0	408·8	405·0	422·2	431·8	449·2	446·0	462·6	455·3	472·9	528·6
22	0	397·8	409·0	407·8	423·2	432·5	445·8	438·2	465·8	458·0	484·1	513·6
27	0	401·8	409·4	408·0	425 0	433·0	445·0	443·6	463·3	463·8	467·7	482·0
32	0	400·0	403·6	407·5	428·2	432·8	446·1	446·4	465·3	470·8	467·6	483·5
37	0	400·0	405·0	412·3	428·4	425·6	452·1	447·3	465·3	470·1	477·0	484·4
42	0	411·6	407·8	413·8	429·6	424·8	451·2	448·5	464·0	465·2	492·5	484·8
47	0	410·0	410·0	415·2	428·6	432·2	450·6	446·1	457·7	474·1	506·3	483·6
52	0	417·4	409·8	416·8	426·6	432·8	452·4	448·2	467·8	468·2	504·3	484·0
57	0	409·7	409·7	416·0	427·8	442·4	454·8	462·8	466·0	469·9	503·0	497·9
Thermometer		58°·0	58°·0	58°·0	58°·0	58°·2	58°·2	58°·4	58°·3	58°·1	58°·0	57°·6
		One Scale Division = ·000062 parts of the V. F. VERTICAL FORCE.										
M.	S.											
3	0	159·4	157·8	158·2	156·3	157·1	164·1	163 5	151·7	152·6	136·8	104·8
8	0	159·2	158 3	158·2	155·3	157·1	166·7	163 5	151·7	150·9	139 3	104·8
13	0	159·2	158·3	159·7	155·3	157·7	164·9	163·5	154·2	149·3	139·3	109·3
18	0	159·2	157·8	158·9	155·3	160·8	163·8	163·5	157·1	149·3	134·3	109·3
23	0	159·3	157·8	156·7	155·3	162·6	164·6	165·3	155·9	150·1	137·8	112·8
28	0	159·3	159·0	155·6	155·3	162·6	164·6	163·1	154·0	147·6	149·4	118·0
33	0	159 3	159·6	155·6	156·2	164·1	164·6	162·7	151·0	145·8	151 1	114·7
38	0	158·6	158·3	155·9	157·1	164·1	163·9	162·5	149·5	149·5	135 2	109·7
43	0	157·8	158·3	155·1	157·1	164·1	163·9	159·3	150·5	146·8	124 1	119·1
48	0	157·8	158·3	155·1	157·1	164·1	163·9	156·8	152·5	142·4	121·9	114·0
53	0	157·9	158·6	155·1	157·1	164·1	163·9	154·9	150·9	130·4	121·9	115·8
58	0	157·9	158·2	155·1	157·1	164·1	164·2	151·0	152·6	135·5	114·8	113·5
Thermometer		57°·6	57°·5	57°·1	58°·3	59°·2	59°·2	59°·4	60°·8	60°·9	60°·4	59°·6

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
24	10	0	29·733	51·5	49·3	N. W.	Very light.	Overcast with dense cir.-cum. and haze.
	11	0	29·751	51·2	47·5	N. W.	Very light.	Overcast with dense cir.-cum. and haze.
	12	0	29·755	50·0	47·5	N. W.	Very light.	Overcast with dense cir.-cum. and haze.
	13	0	29·773	47·5	46·2	W. N. W.	Very light.	Generally overcast; cir.-cum. and haze.
	14	0	29·765	46·9	46·1	W. N. W.	Very light.	Generally overcast; cir.-cum. clear in zenith and N. W.
	15	0	29·787	46·1	45·7	W. N. W.	Very light.	Clear in N. N. W. and zenith; remainder unclouded; cir.-strat. and haze; arch of auroral light in N.
	16	0	29·789	44·9	43·1	W. N. W.	Very light.	Generally clouded with cir.-cum.; clear spaces; auroral light in N.
	17	0	29·777	45·7	44·2	W. by N.	Very light.	Zenith clear; cum.-strat. round horizon; auroral light in N.
	18	0	29·777	45·7	44·4	W. by N.	Very light.	Overcast, cir.-cum., cum.-strat., and haze; clear in N.; auroral light in N. [altitude about 15°.
	19	0	29·771	44·7	43·6	—	Calm.	Cir.-strat. round horizon; sheet of uniform auroral light in N.
	20	0	29·755	44·2	43·2	W. N. W.	Very light.	Cir.-strat. dispersed round horizon; arch of auroral light in N.; pulsations ascending to 35°.

MAGNETICAL OBSERVATIONS. September 24th and 25th.

Declination. Angular Value of one Scale Division = 0'·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
100·0	116·0	126·5	117·2	114·5	84·2	99·3	105·2	112·2	91·6	100·1	107·8	109·6
109·0	116·7	123·2	116·2	108·4	86·0	101·0	106·7	110·0	90·2	100·7	107·7	109·3
109·8	117·0	122·3	118·5	102·4	87·8	103·4	107·4	110·1	88·8	101·6	107·8	110·1
114·4	117·0	120·9	118·0	97·3	89·0	106·1	107·9	112·2	90·4	102·0	107·8	110·8
117·1	120·0	118·3	119·5	88·4	91·4	105·6	107·9	104·6	90·2	102 7	108 0	110·9
121·1	120·7	117·0	118·0	85·0	91·6	102·7	108·9	102·2	94·4	103 0	108·3	110·9
120·0	119·9	116·0	120·0	84·2	93·2	105·6	109·0	101·7	94·3	104·0	108·3	110·8
123·0	123·9	116·0	120·5	80·8	97·0	105·7	109 6	101·9	95·0	104·1	108·9	111·0
121·8	126·6	115·0	122·0	80·4	99·5	106·0	110 7	101·9	91·0	105·5	108·8	111·0
121·4	128·2	116·9	118·2	78·5	99·0	107·0	112·3	98·6	90·2	105·2	109·0	110·9
118·1	130·0	117·0	119·8	76·0	98·8	106·2	112·7	97·0	97·9	107·6	109 0	111·0
118·5	127·8	117·5	116·2	78·5	101·0	104·1	111·1	94·5	98·9	107·1	109·8	111·0

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fah. = ·000234.

492·6	425·6	420·0	414·0	443·5	454·5	410 3	424·3	441·7	455·7	422·9	414·9	419·5
487·3	421·5	420·0	414·0	448·0	443·8	413·8	424·0	444·2	453·3	423·0	412·5	420·3
486·4	422·0	419·0	414·0	447·7	430·4	416·3	423·2	447·5	452·7	424·4	415·2	418·8
472 7	425·5	415·5	416·0	462·2	424·8	419·9	422·8	449·6	450·7	425·0	413·0	418·8
469·0	421·5	414·0	412·8	467·8	419·5	417·8	424·2	449·0	442·7	422·8	415·8	417·5
465·9	421 0	413·5	417·3	472 9	419·0	423·9	422·1	448·7	445·6	422·1	416·0	414·0
468·4	423·8	413·0	413·5	470·6	420·8	426·8	425·4	448·9	441·4	425·0	418·8	414·0
431·9	423·0	412·0	421·3	467·8	415·7	426·0	427·3	446·8	435·9	419·4	415·8	417·0
426·5	423 5	414·0	422·0	465·5	416·0	425·6	430.1	449·1	432·5	420·9	408·0	416·8
420·4	424·3	413·0	430·0	463·6	415·9	422·6	432·7	453·9	430 2	419·8	406·8	420·5
420·0	421·0	413·0	437·5	473 0	413·8	419·0	434·2	456·8	428·8	418·1	409·8	421·0
418·4	420·0	413·0	447·5	465·7	410·3	421·8	437·0	456·1	426·5	416·5	415·0	424·0
°	°	°	°	°	°	°	°	°	°	°	°	°
57·4	57·0	56·6	56·2	56·4	56 8	56·8	57·0	57·8	58·5	58·8	59.3	60·0

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fah. = ·00007.

146·3	144·3	154·6	162·0	154·8	140 2	151·2	156·2	156·8	161·0	160·9	161·2	159·6
120·3	147·1	157·2	162·0	153·5	142·2	151·3	156·2	156·0	162·3	160·3	161·2	159 3
120·3	147·1	153·2	162·6	155·7	143·8	153·7	156·2	157·9	161·5	160·3	161·5	159·5
126·3	148·0	154·8	162·6	150·0	144·5	153·7	156·2	157·9	162·6	160·3	161·5	159·5
128 0	149·4	155·2	163·0	146·8	144·5	153·9	156·5	159 0	163·8	160·0	161·2	160·0
128·4	149·4	155·1	162·2	144·1	144·5	153·7	156·7	159·2	162·0	160·0	161·2	160·7
133·3	150·3	155·1	162·2	142·6	147·2	153·7	156·7	159·4	162·0	160 0	159·9	160·7
133·0	150·3	155·1	160·7	142·6	148·0	155·2	156 9	161·0	161·5	160·6	160·8	160·7
137·0	150·3	155·4	159·6	142·7	148·0	155·2	154·8	160·8	161·5	160 6	162·3	160·0
139·3	150 9	155·4	157·0	140·5	148·1	155·8	155·0	160·3	161·5	160·6	162·5	160·3
140·3	154·1	160·8	155·3	137·6	150·0	158·1	156·2	160·3	160·9	160·6	161·3	160·3
140·3	154·1	161·3	154 4	137·6	150·0	157·8	156 6	161 0	160·9	161·2	160·2	160·0
°	°	°	°	°	°	°	°	°	°	°	°	°
59·3	58 6	58·8	58·1	57·3	57·7	57·5	57·9	58·6	59 1	59 2	58·6	59·4*

* At 23h 10m Thermometer of H. F. 60°·2; of V. F. 60°·0.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Weather.
		Dry.	Wet.	Direction.	Force.	
D. H. M.	in.	°	°			
24 21 0	29·750	44·9	42·7	W. N. W.	Very light.	Clear and unclouded; aurora gone.
22 0	29·748	42·9	41·9	W. N. W.	Very light.	Clear, save a few cir.-strat. in E. horizon; faint auroral light in N.
23 0	29·742	40·2	40·1	W. N. W.	Very light.	Clear, except cum.-strat. and cir. round horizon.
25 0 0	29·748	42·2	40·6	W. N. W.	Very light.	Generally overcast with cir.-cum. and cir.; clear spaces.
1 0	29·745	44·9	43·1	W. by N.	Very light.	Light cir. and base; a few clear spaces.
2 0	29·742	47·7	4[illegible]	W.	Very light.	Overcast with dense cir.-cum. and haze.
3 0	29·748	51·4	48 7	S. W. by W.	Very light.	Overcast with cir.-cum. and cum.-strat.; a few clear spaces.
4 0	29·736	55·2	50·1	S. W. by W.	Very light.	Generally overcast, light cir.-cum. and cum.-strat.; clear spaces.
5 0	29·709	56·4	51·0	W. by S.	Very light.	Light cir.-cum. generally dispersed; dense cir-cum. in N. W.
6 0	29·687	59·6	51·2	W.	Light.	Light cir.-cum. generally dispersed; dense cir.-cum. rising in N. W.
7 0	29·676	56·9	51·5	W.	Moderate.	Clouded, cum.-strat. and cir.-cum.
8 0	29·636	56·9	50·5	N. by W	Moderate.	Clouded, cum.-strat. and cir.-cum.
9 0.	29·642	57·5	52·7	W. N. W.	Moderate.	Clouded, cir.-cum. and cum.

October 22nd and 23rd. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0''·721.						DECLINATION.				
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	113·0	113·2	112·8	113·0	114·2	113·2	114·0	111·9	113·8	112·9	113·1
5	0	113·1	113·0	113·1	112·8	114·0	114·0	114·4	111·8	113·8	113·8	113·1
10	0	113·0	114·0	113·5	112·7	114·2	114·0	115·0	111·8	114·0	113·6	113·1
15	0	113·0	113·3	114·0	113·0	113·5	113·6	115·0	112·0	113·6	113·0	113·0
20	0	112·8	113·1	114·0	113·2	113·0	115·0	114·6	112·4	111·6	112·3	113·1
25	0	113·0	113·3	114·0	113·2	112·4	115·2	114·2	112·1	111·8	112·1	112·2
30	0	113·1	113·5	114·0	113·2	112·0	114·4	113·8	111·8	112·2	112·0	111·7
35	0	113·1	113·2	113·2	113·0	112·0	114·0	114·0	111·4	112·0	112·2	112·0
40	0	113·3	113·0	113·0	113·2	111·4	111·8	114·2	111·5	112·2	113·0	112·9
45	0	113·0	112·8	113·0	114·4	112·0	111·4	114·0	111·4	112·0	113·0	113·0
50	0	112·8	112·7	113·1	114·7	112·4	112·8	113·9	111·8	112·2	113·2	113·4
55	0	113·7	112·3	113·0	114·8	112·4	112·2	113·7	112·4	112·8	113·5	114·0
		One Scale Division = ·000087 parts of the H. F.						HORIZONTAL FORCE.				
M.	S.											
2	0	395·0	397·0	401·0	400·0	401·0	404·7	398·7	403·2	403·0	400·4	398·6
7	0	394·0	396·0	401·0	399·8	401·6	404·0	401·0	403·2	402·6	398·8	398·1
12	0	394·0	398·5	401·0	400·8	401·0	403·6	401·0	403·2	402·0	399·3	398·1
17	0	396·4	399·8	400·0	400·0	401·8	404·3	400·8	403·2	402·0	399·6	397·9
22	0	397·0	398·6	399·0	400·0	402·6	398·4	402·0	402·3	402·5	398·9	396·1
27	0	397·0	398·0	399·0	400·0	402·0	398·5	401·9	403·0	402·8	399·4	397·9
32	0	397·0	395·5	399·0	399·6	402·6	396·4	402·6	402·8	403·2	399·5	399·0
37	0	396·0	396·0	400·8	400·2	402·8	393·8	403·2	402·8	402·1	399·6	399·1
42	0	394·5	394·5	401·0	402·0	403·4	397·0	403·6	403·1	401·1	399·4	400·0
47	0	394 3	396·6	401·9	401·8	404·0	397·6	404·0	403·6	401·6	399·1	399·0
52	0	396·9	399·0	401·0	402·2	403·8	399·0	403·8	404·9	401·0	399·0	399·0
57	0	396·5	399·0	400·0	401·2	404·0	401·2	402·6	404·8	400·9	399·0	399·3
Thermometer		50°5	51°0	52°0	52°4	52°3	52°0	51°7	51°6	51°2	51°0	51°1
		One Scale Division = ·000062 part of the V. F.						VERTICAL FORCE.				
M.	S.											
3	0	163·0	170·9	162·7	159·6	161·3	165·9	164·0	166·4	166·9	166·6	162·0
8	0	166·7	170·9	162·7	159·6	162·7	165·9	165·0	166·5	166·9	164·2	161·8
13	0	167·7	170·9	161·8	159·9	163·6	166·1	165·4	166·5	166·1	163·0	161·3
18	0	169·0	170·4	161·5	159·8	163·6	166·1	164·6	165·8	166·1	163·0	161·0
23	0	169·0	168·9	161·5	159·8	164·3	166·1	164·6	165·8	166·1	162·6	161·3
28	0	170·2	167·6	161·5	159·8	164·5	164·7	165·5	166·5	166·1	162·4	161·1
33	0	170·2	166·8	161·5	159·6	164·6	165·0	165·5	166·5	166·1	162·4	160·7
38	0	170·9	165·9	161·5	159·0	164·6	164·0	165·5	166·5	165·9	161·8	160·9
43	0	171·4	165·4	161·0	159·1	165·4	164·1	166·4	166·5	166·4	161·8	160·5
48	0	171·4	164·5	160·7	159·1	165·4	164·0	166·4	166·6	166·5	162·0	160·4
53	0	170·9	163·8	160·7	159·1	165·7	164·0	166·4	166·6	166·6	161·8	160·9
58	0	170·9	163·2	160·7	159·5	165·7	164·0	166·4	166·6	166·6	161·8	160·9
Thermometer		50°1	50°3	52°6	53°9	53°3	54°0	52°3	52°1	51°7	51°5	52°1

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
22	10	0	30·129	41·2	36·2	—	Calm.	Clear.
	11	0	30·107	37·9	35·2	—	Calm.	Clear.
	12	0	30·108	36·2	33·7	—	Calm.	Clear.
	13	0	30·094	29·6	28·2	—	Calm.	Clear.
	14	0	30·098	27·8	27·2	—	Calm.	Clear.
	15	0	30·099	26·8	27·1	—	Calm.	Clear.
	16	0	30·091	26·6	25·9	—	Calm.	Clear.
	17	0	30·065	27·0	26·1	—	Calm.	Unclouded, save light cir.-strat. in N. and N.E.
	18	0	30·056	25·3	24·9	—	Calm.	Generally clear ; light cir. dispersed.
	19	0	30·052	25·4	24·9	—	Calm.	Clear, except light cir.-strat. in N. and S.E.
	20	0	30·026	24·6	23·9	—	Calm.	Clear.
	21	0	30·018	24·2	23·1	—	Calm.	Clear.

MAGNETICAL OBSERVATIONS. October 22nd and 23rd.

DECLINATION. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
115·0	115·3	115·7	115·0	116·0	116·1	116·0	114·0	112·0	111·6	111·7	111·0	111·1
115·1	115·4	115·8	115·2	116·0	116·9	116·2	114·0	112·0	111·5	111·6	111·0	111·1
115·2	115·3	115·5	115·4	116·2	116·3	115·8	114·0	111·8	111·5	111·4	111·0	111·1
115·0	115·8	115·0	115·6	116·3	116·9	115·6	113·2	112·0	111·5	111·4	111·0	111·2
115·4	115·9	114·4	115·7	115·4	116·1	115·2	113·0	112·0	111·5	111·3	111·0	111·3
115·6	116·0	114·0	115·0	115·0	116·1	115·0	112·4	112·0	111·4	111·2	111·0	111·3
115·5	116·0	113·9	116·0	117·6	116·9	115·2	112·4	111·8	111·4	111·2	110·9	111·5
115·6	115·9	113·8	116·0	116·1	116·9	115·0	112·5	111·2	111·6	111·2	110·9	111·6
115·8	115·7	114·1	116·0	116·2	116·0	114·8	112·6	111·2	111·6	111 0	111·0	111·7
116·0	116·1	113·9	116·4	115·8	117·0	114·7	112·8	111·2	111·8	111·0	111·0	111·6
115·0	115·5	113·9	115·0	115·6	116·2	114·4	112·4	111·2	111·8	111 0	111·0	111·8
115·7	115·0	114·8	114·8	116·0	116·0	114·2	112·2	111·4	111·8	111·0	111·0	111·7

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fahr. = ·000234.

398·2	396·3	398·6	397·5	398·1	400·0	403·0	407·0	409·8	409·6	410·0	407·9	405·2
397·6	395·6	398·0	397·0	398·0	400·0	402·8	407·6	409·8	410·0	409·8	407·8	405 0
397·1	396·2	397·5	397·2	397·5	400·9	403·6	402·2	409·6	410·0	409·8	407·8	405·0
396·9	396·3	397·4	398·0	397·0	400·5	404·0	406·6	410·0	410 2	409·6	407·8	405·0
396·0	396·5	397·9	397·7	398·1	401·0	403·8	406·7	409·6	410·6	409·1	407·0	405·0
397·5	396·5	398·4	398·9	400·3	401·3	404·0	407·8	409·2	410·6	409·7	406·9	404·8
396·9	396·0	398·3	397·5	397·8	401·2	404·6	407·6	409·8	410·0	409·8	407·0	404 6
397·3	395·8	398·9	397·6	399·0	401·6	405·0	408·6	410 0	410·9	410·0	407·0	404·2
397·2	395·7	397·9	397·0	398·0	402·0	405·3	408·8	411·0	410·2	408·7	406·9	404·0
397·0	394 5	396·8	395·5	399·0	401·8	406·0	408·8	410·3	410·0	408·9	406·3	404·0
396·7	395·0	398·0	396·1	399·6	402·0	406 2	408·8	409·9	410·0	408·2	406·2	404·0
396·9	397·1	397·5	397·9	400·0	402·4	406·0	408·6	410·0	410·1	407·9	406·0	404·0
° 51·3	° 51·2	° 50·5	° 50·2	° 49·6	° 50·0	° 50·5	° 51·4	° 51·8	° 52·4	° 53·0	° 53·4	° 54·1*

VERTICAL FORCE. Change in the Magnetic moment of the Bar for 1° Fahr. = ·00007.

162·0	164·4	163·5	165·8	171·0	172·0	169·6	167·5	165·8	166·3	165·0	165·2	164·5
162·0	164·4	163·6	165·8	171·6	173·2	170·0	167·5	167·0	167·4	164·8	164·9	164·5
162·8	164·4	163 8	165·8	171·6	172·5	168·6	167·0	166·7	167·4	164·8	165·6	164·0
162·8	164·4	163·8	166·4	171·2	172·5	168·6	165·2	166·5	167·6	165 0	165·3	164·0
163·5	164·6	164·5	167·4	171·2	171·8	168·6	165·2	166·5	166·0	165·0	165·3	164·0
163·3	163·0	164·5	167·4	171·2	171·0	168·6	167 2	166·5	166·9	165·0	165·3	163·9
163·5	163·0	164·5	168·7	171·2	171·0	165·7	167·2	166·5	166·3	164·8	165·3	164·0
163·3	162·6	164·6	168·7	171·2	171·0	164·6	167·3	166·5	165·8	164·9	165·2	164·0
163·3	162·6	165·1	170·3	171·2	170·4	166·0	167·7	166·5	166·8	164·9	165·2	163·5
163·3	163·0	165·1	171·0	171·2	170 4	168·5	165·1	166·3	165 2	164 8	165·3	163·5
164·0	163·0	165·1	171·0	171·2	170·4	166·8	165·8	167·0	165·2	165·5	165·0	163·5
164·0	163·0	165·1	171·0	171·2	169·6	166·8	165·8	166·4	165·0	165·4	165·0	163·3
° 52·5	° 52 2	° 51·5	° 51·3	° 50·3	° 50·3	° 50·6	° 51·3	° 51·7	° 51·9	° 52·9	° 53·1	° 53·3*

* At 23h 10h Thermometer of H. F. 54°·7 [illegible] of V. F. 54°·1.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Weather.
		Dry.	Wet.	Direction.	Force.	
D. H. M.	In.	°	°			
22 22 0	30·014	23·6	23·2	—	Calm.	Clear.
23	30·015	23·6	22·7	—	Calm.	Clear.
23 0 0	30 012	23·1	22·4	—	Calm.	Unclouded; haze round horizon.
1 0	30·017	23·9	23·2	—	Calm.	Clear.
2 0	30·011	30·9	29·7	—	Calm.	Unclouded; slight mist.
3 0	30 015	37·3	32·3	—	Calm.	Unclouded; hazy.
4 0	30·008	42·9	40·6	—	Calm.	Unclouded; hazy.
5 0	29·978	43·4	39·0	—	Calm.	Unclouded; haze round horizon.
6 0	29·953	44·7	42·5	—	Calm.	Unclouded; haze round horizon.
7 0	29·940	47·4	44·5	—	Calm.	Unclouded; haze round horizon.
8 0	29·897	48·7	44·7	—	Calm.	Unclouded; haze round horizon.
9 0	29·886	49·2	45·0	—	Calm.	Unclouded; haze round horizon.

November 28th and 29th. **MAGNETICAL OBSERVATIONS.**

DECLINATION.

Angular Value of one Scale Division = 0′·721.

Mean Göttingen Time.		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	114·8	116·2	116·6	116·3	117·0	124·0	118·8	116·1	114·2	109·7	113·9
5	0	115·0	116·2	116·5	116·7	117·2	122·0	118·2	116·5	113·2	111·2	114·8
10	0	115·0	116·0	117·0	117·1	117·2	120·2	117·5	116·4	112·9	113·2	115·9
15	0	115·2	116·2	117·2	116·8	117·2	117·6	117·1	116·2	113·7	114·0	115·0
20	0	115·5	116·6	115·9	117·0	116·1	116·2	116·0	115·0	112·0	113·6	115·2
25	0	115·4	116·8	116·8	116·9	116·4	117·6	116·4	114·7	111·0	112·0	114·2
30	0	115·6	116·8	117·3	116·8	117·1	117·7	117·3	115·2	112·0	111·0	113·6
35	0	116·0	116·4	116·8	117·0	119·3	117·4	117·9	115·0	112·0	111·0	114·0
40	0	115·4	116·2	116·8	117·0	121·7	117·0	117·3	114·2	111·0	112·3	114·1
45	0	115·8	116·4	115·9	117·0	122·8	118·1	116·8	113·8	109·8	113·2	115·3
50	0	116·1	116·8	117·0	117·2	124·2	119·4	115·7	114·4	108·5	114·0	116·1
55	0	116·2	117·0	116·9	117·0	125·0	119·4	115·7	114·0	108·4	114·0	117·0

HORIZONTAL FORCE.

One Scale Division = ·000087 parts of the H. F.

M.	S.										
2	0	376·1	376·0	376·0	378·9	380·9	395·0	384·7	389·0	388·3	389·0	381·1
7	0	375·8	376·2	376·0	377·3	382·7	394·0	384·8	388·0	388·0	387·9	382·0
12	0	374·9	376·0	377·1	378·9	382·1	391·4	385·0	388·0	387·0	884·2	386·0
17	0	374·8	374·8	380·1	379·1	382·0	388·7	383·9	387·4	386·8	382·5	385·0
22	0	374·8	375·0	377·1	378·3	382·4	388·7	385·7	386·3	384·5	382·5	385·6
27	0	374·8	374·6	377·2	379·2	384·5	389·3	388·1	389·0	385·1	383·0	384·3
32	0	375·9	374·7	379·2	379·6	388·4	388·8	388·0	389·0	386·0	384·5	383·5
37	0	375·0	376·9	377·9	381·8	391·7	388·0	388·0	389·3	387·3	385·1	384·6
42	0	375·7	376·4	378·2	379·7	394·5	388·4	387·5	388·0	386·0	384·5	386·5
47	0	375·8	375·2	375·8	380·3	895·1	386·6	388·4	390·0	387·1	384·5	349·0
52	0	375·6	375·0	378·0	381·4	397·4	384·7	387·5	390·6	387·0	384·5	390·5
57	0	375·6	375·9	379·3	380·7	396·9	384·0	388·0	390·0	387·8	382·5	386·5
Thermometer		41·4	42·0	42·8	43·0	43·0	42·7	42·6	42·4	42·4	42·3	42·0

VERTICAL FORCE.

One Scale Division = ·000062 parts of the V. F.

M.	S.										
3	0	182·3	177·4	174·0	173·4	174·0	174·4	173·8	177·7	176·9	175·1	176·6
8	0	181·5	176 9	173·9	173·3	174·6	174·9	174·1	177·7	176·9	175·1	176·8
13	0	182·8	176·2	173·8	173·4	174·2	174·9	174·1	177·2	176·9	175·4	175·8
18	0	182·1	175·7	173·8	173·4	174·2	174·8	175·4	177·6	176·9	175·4	176·8
23	0	182·1	175·6	173·8	173·4	173·5	174·0	174·6	177·6	176·7	175·4	176·8
28	0	182·3	175·5	173·8	173·4	173·5	173·9	175·3	177·5	176·3	175·4	177·4
33	0	182·3	175·5	173·8	173·4	173·2	173·9	175·9	177·2	176·7	175·2	177·4
38	0	181·8	174·6	173·8	173·4	173·2	173·9	175·9	177·2	176·7	175·2	176·8
43	0	180·6	174·6	174·2	173·4	173·2	173·9	176·7	177·2	176·3	175·2	176·1
48	0	180·4	174·6	174·2	174·0	173·2	173·9	177·1	176·9	176·0	175·7	175·8
53	0	178·8	174·4	173·5	173·9	173·2	174·6	177·6	176·9	176·0	175·7	175·8
58	0	177·8	174·4	173·5	174·0	174·4	174·1	177·6	176·9	176·0	176·6	175·8
Thermometer		41·1	42·2	43·4	44·6	44·6	45·3	45·6	43·8	43·6	43·7	43·9

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
28	10	0	29·815	16·2	14·9	W. by S.	Very light.	Generally clouded with dense cir.-cum. & cum.-strat.; clear
	11	0	29 835	15·8	14·3	W. by S.	Very light.	Generally clouded with dense cir.-cum. & cum.-strat.; clearing
	12	0	29·864	16·8	15·2	—	Calm.	Overcast with cir.-cum., cum.-strat., and haze.
	13	0	29·900	17·0	15·9	—	Calm.	Overcast with cir.-cum. and haze; particles of snow falling
	14	0	29·922	17·8	16·7	W by S.	Very light.	Overcast with cir.-cum. and haze; particles of snow falling
	15	0	29·936	17·0	15·4	W. by S.	Very light.	Cir.-strat. and haze round horizon; zenith clear.
	16	0	29·944	14·6	12·9	W. by N.	Very light.	Clear and unclouded.
	17	0	29·966	12·0	10·2	—	Calm.	Clear and unclouded.
	18	0	29·970	10·0	8·7	—	Calm.	Clear and unclouded.
	19	0	29·981	12·0	10·5	W. N. W.	Very light.	Clear, save low range of cir. on S. horizon.
	20	0	29·989	12·6	10·7	W. N. W.	Very light.	Clouded in S. horizon; remainder quite clear.
	21	0	29·999	12·1	10·4	N.W. by W.	Very light.	Clouded in S. horizon; remainder quite clear.

MAGNETICAL OBSERVATIONS. November 28th and 29th.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
115·9	110·1	116·2	115·4	117·0	115·0	114·8	115·1	107·9	109·8	106·0	109·0	112·0
117·0	111·0	116·4	116·2	116·2	113·8	114·8	113·8	108·0	108·0	106·4	109·2	112·2
116·9	112·0	116·2	116·0	115·2	114·2	114·3	114·4	107·8	107·8	108·0	109·4	112·2
116·0	112·8	115·6	116·2	115·2	114·6	115·4	114·4	107·9	107·0	107·9	109·5	112·0
115·2	113·2	116·3	116·2	113·5	114·2	115·8	112·1	107·9	108·0	107·9	108·4	112·7
114·9	114·0	116·7	116·2	115·2	113·4	116·0	112·0	108·8	107·4	108·0	109·7	112·4
113·1	114·2	117·0	116·2	115·8	113·4	115·1	110·9	110·0	108·3	108·0	109·2	112·6
113·6	115·0	117·3	116·0	115·2	113·5	116·1	110·8	110·7	108·8	108·0	110·0	112·1
113·4	116·2	116·0	116·2	115·0	112·9	116·0	110·9	110·5	107·9	108·0	110·8	112·0
110·6	115·7	115·7	116·2	114·2	114·2	115·4	110·0	109·3	108·0	108·2	110·2	112·4
109·0	115·0	115·0	117·0	113·8	114·8	116·1	110·0	109·7	107·6	108·3	110·6	112·8
109·3	115·4	114·7	117·0	114·2	114·5	114·2	109·0	109·2	107·1	109·2	111·0	112·6

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·000234.

387·5	387·0	379·8	379·0	382·8	385·4	388·4	388·2	405·0	395·0	385·5	380·5	381·6
385·0	386·0	379·0	378·6	385·0	386·4	388·4	389·3	407·5	395·1	388·0	382·4	380·8
384·5	386·0	378·8	378·3	381·8	389·1	388·6	389·9	407·0	397·9	384·0	381·0	381·4
384·0	384·6	378·3	378·0	382·9	389·6	388·9	389·1	407·0	398·0	385·5	381·9	381·6
383·9	383·8	378·0	378·0	383·9	391·2	389·4	390·7	406·1	392·9	386·5	380·7	380·8
388·0	382·6	377·4	378·0	381·5	393·0	387·9	391·8	404·0	391·0	382·0	381·0	380·4
387·5	383·0	377·3	378·6	380·9	393·3	388·8	395·0	399·9	392·5	386·0	380·5	381·4
387·3	382·7	377·3	378·4	381·6	392·5	388·8	397·4	400·0	386·5	385·5	381·0	381·5
387·5	381·9	377·0	380·4	381·4	393·3	389·3	398·0	398·2	388·0	382·9	381·8	381·6
388·5	382·0	377·6	380·4	382·5	388·8	388·5	401·3	398·0	386·5	383·7	380·4	381·5
388·5	381·2	379·3	380·6	385·0	388·1	389·1	400·6	397·7	386·0	380·7	380·5	381·0
388·5	381·6	380·0	380·5	385·7	388·2	391·4	403·9	396·6	390·3	381·8	382·5	380·8
°	°	°	°	°	°	°	°	°	°	°	°	°
42·0	42·0	41·7	41·6	41·6	40·8	40·6	41·0	41·5	41·8	42·5	42·6	42·4[a]

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fah^{t}. = ·00007.

175·8	177·8	179·1	179·1	179·3	177·7	179·0	180·8	178·7	181·5	180·0	179·5	179·5
176·6	177·8	179·4	179·1	178·1	177·4	179·0	179·4	178·7	181·2	180·0	179·5	179·5
176·6	177·8	179·4	179·1	178·1	177·4	179·7	179·4	178·7	181·2	180·0	179·5	179·5
176·5	177·8	179·1	179·1	178·2	177·4	179·9	179·7	179·2	180·7	180·0	179·5	179·5
176·5	177·8	179·1	179·0	177·5	177·4	179·9	179·4	179·5	180·8	180·0	179·3	179·5
176·5	177·8	179·1	179·0	177·5	176·9	179·9	179 3	179·9	180·8	180·6	179·5	179·5
176·5	177·8	179·1	179·6	177·7	177·3	180·0	179·1	180·2	180·5	179·5	179·5	179·5
177·8	177·6	179·1	179·6	177·7	177·1	180·2	178·9	180·2	180·5	179·5	179·5	179·7
177·8	177·6	179·1	179·6	177·7	178·9	180·2	178·9	180·7	180·5	179·5	179·5	179·7
177·8	178·6	179·1	179·6	177·2	179 6	180·2	178·7	180·7	180·4	179·5	179·5	179·7
177·8	178·6	179·1	179·6	177·2	179·3	179·0	178·7	180·8	180·4	179·5	179·5	179·7
177·8	178·6	179·1	179·6	177·2	179·5	179·1	178·7	180·8	180·4	179·5	179·5	179·7
°	°	°	°	°	°	°	°	°	°	°	°	°
43·7	43·6	42·8	42·8	42·9	42·6	42·0	41·6	41·6	42·0	42·6	42·8	42·6[a]

[a] At 29d 10h Thermometer of H. F. 42°·0; of V. F. 42°·6.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
28	22	0	30·019	12·1	10·7	N.W. by W.	Very light.	Clouded in S. horizon; cir.-cum. and haze; remainder quite clear.
	23	0	30·025	13·6	11·9	W. N. W.	Very light.	Partially clouded; cir.-cum. and haze.
29	0	0	30 044	14·3	12·9	N.W. by W.	Very light.	Partially clouded; cir.-cum. and haze.
	1	0	30·062	15·4	13·9	—	Calm.	Densely overcast; cir.-cum. and haze.
	2	0	30·098	16·2	14·9	—	Calm.	Densely overcast; cir.-cum., cum.-strat., and haze.
	3	0	30 112	17·3	15·7	W. by N.	Very light.	Overcast with cir.-cum., cir.-strat. and haze.
	4	0	30·126	19·6	16·7	W. N. W.	Very light.	Overcast with cir.-cum., cir.-strat. and haze.
	5	0	30·129	20·9	18·1	W. N. W.	Very light.	Overspread dense haze.
	6	0	30·107	21·8	20·2	—	Calm.	Densely overcast; snowing slightly.
	7	0	30·097	21·6	20·3	N. N. E.	Very light.	Overcast; dense haze; moderate snow (constant).
	8	0	30·080	21·0	20·3	N. N. E.	Very light.	Overcast; dense haze; moderate snow (constant).
	9	0	30·084	20·8	20·3	N. N. E.	Very light.	Overcast; dense haze; moderate snow (constant).

December 17th and 18th. **MAGNETICAL OBSERVATIONS.**

Mean Göttingen Time.		Angular Value of one Scale Division = 0′·721. DECLINATION.										
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
M.	S.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0	114·5	115·2	115·2	127·6	115·9	116·7	117·2	116·0	115·0	115·0	108·6
5	0	114·1	115·5	115·0	127·1	115·9	116·8	117·1	116·3	115·8	115·3	110·2
10	0	114·6	115·9	115·0	125·3	116·1	116·3	117·0	116·9	116·0	115·4	111·6
15	0	114·0	116·0	115·0	123·9	117·0	116·6	117·0	117·0	115·5	114·8	112·2
20	0	114·5	115·0	115·0	122·2	117·1	117·0	116·2	117·1	115·9	114·0	112·0
25	0	114·4	115·0	115·8	121·5	117·0	117·1	116·1	119·8	115·3	113·8	111·2
30	0	114·8	115·2	116·0	120·6	116·7	117·0	117·0	117·6	116·0	113·7	111·8
35	0	115·0	115·2	117·0	118·8	116·2	117·8	116·2	114·1	115·1	111·8	112·2
40	0	115·0	115·7	116·1	117·5	116·2	117·0	116·0	113·0	115·6	110·2	112·4
45	0	115·0	116·0	117·0	116·5	116·0	117·0	117·0	114·0	116·2	107·2	112·8
50	0	115·0	116·0	120·0	115·8	116·0	117·0	117·0	114·8	116·2	105·0	112·4
55	0	115·3	115·2	123·8	115·2	116·2	117·0	116·1	115·0	116·3	106·2	112·6
		One Scale Division = ·000087 parts of the H. F. HORIZONTAL FORCE.										
M.	S.											
2	0	385·6	386·4	390·0	394·0	390·0	391·1	392·2	394·6	392·0	393·5	398·0
7	0	386·5	386·2	391·0	391·9	389·0	391·0	391·0	394·8	391·1	293·8	391·7
12	0	386·8	386·0	390·8	392·8	388·9	391·0	391·0	394·0	391·0	394·6	392·6
17	0	385·8	385·4	392·0	392·0	388·2	390·4	391·0	394·0	392·0	395·0	392·8
22	0	387·4	386·0	392·6	391·0	388·2	391·0	392·0	391·5	391·4	394·4	392·6
27	0	386·5	386·0	396·0	390·6	389·0	390·8	391·6	385·5	391·0	395·0	392·0
32	0	387·0	387·0	397·8	389·0	388·6	390 2	392·5	386·0	391·0	394·8	391·8
37	0	386·9	387·4	398·0	388·0	389·0	391·0	391·0	388·0	393·1	396·0	392·0
42	0	386·6	384·4	398·2	388·1	389·4	391·0	392·0	390·0	395·0	398·4	391·8
47	0	386·6	386·6	401·2	388·6	389·5	390·6	392·0	390·0	393·5	401·8	391·8
52	0	386·2	387·9	401·2	388·5	390·5	391·0	392·5	389·2	393·0	401·7	391·0
57	0	386·9	390·0	400·0	389·3	390·4	391·0	393·0	390·0	393·5	401·5	391·3
Thermometer		47°·0	48°·3	48°·4	48°·4	48°·8	49°·2	49°·8	50°·0	50°·0	50°·0	50°·5
		One Scale Division = ·000062 part of the V. F. VERTICAL FORCE.										
M.	S.											
3	0	173·9	168·7	168·6	167·4	168·2	164·5	161·8	163·7	163·1	163·8	161·1
8	0	173·9	168·7	167·4	167·4	168·2	164·2	161·9	163·7	163·4	163·7	161·0
13	0	173·7	168·5	167·4	167·4	168·2	164·2	161·9	164·1	163·4	163·8	160·8
18	0	173·7	168·4	167·4	167·4	168·7	164·2	162·3	164·1	163·4	163·8	160·1
23	0	172·8	168·4	167·2	167·4	168·7	163·2	162·5	164·1	163·4	163·7	160·6
28	0	172·8	168·0	166·6	167·4	168·7	163·2	162·9	163·6	163·4	163·7	159·7
33	0	171·0	167·7	166·6	167·2	168·7	162·6	162·9	163·6	163·4	163·7	159·6
38	0	171·0	167·7	167·3	167·2	168·7	162·6	163·7	163·6	163·3	163·7	159·6
43	0	170·6	167·5	167·3	167·8	168·7	162·6	163·7	163·6	163·3	163·3	159·6
48	0	169·5	167·8	166·8	167·8	168·7	162·0	163·7	163·1	163·8	162·3	159·1
53	0	169·5	167·3	167·0	168·2	165·5	162·0	163·7	163·1	163·8	162·3	159·1
58	0	168·7	168·6	167·0	168·2	165·5	162·0	163·7	163·1	163·8	162·5	159·7
Thermometer		46°·8	49°·3	49°·6	49°·7	49°·1	49°·6	51°·0	50°·6	50°·5	50°·5	51°·1

Increasing numbers denote decreasing Westerly Declination, and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction.	Force.	
D.	H.	M.	In.	°	°			
17	10	0	29·396	37·3	34·7	S by E.	Light.	Clouded; cir.-cum., cum.-strat. and haze.
	11	0	29·382	37·4	34·7	S. S. W.	Fresh.	Clouded; cir.-strat. and haze. [G. M. T.
	12	0	29·393	34·6	33·9	S. S. W.	Moderate.	Densely overcast (very dark), slight rain between 11 and 12 hour
	13	0	29·386	35·0	33·0	S. S. W.	Moderate.	Densely clouded (very dark), spitting rain.
	14	0	29·361	35·6	34·2	S. S. W.	Brisk.	Densely clouded.
	15	0	29·354	36·0	33·2	S. S. W.	Fresh.	Densely clouded; cir.-cum. and haze.
	16	0	29·350	36·0	34·5	S. S. W.	Brisk.	Densely overcast; cir.-cum. and haze.
	17	0	29·326	36·4	34·0	S. S. W.	Brisk.	Densely overcast; cir.-cum. and haze.
	18	0	29·318	36·1	34·9	S. S. W.	Fresh.	Densely clouded; cir.-cum. and haze; spitting rain.
	19	0	29·318	35·9	35·1	S. S. W.	Brisk.	Densely clouded; cir.-cum. and haze; spitting rain.
	20	0	29·327	35·8	34·9	S. W. by S.	Brisk.	Densely clouded; cir.-cum. and haze; clouds moving rapidly.
	21	0	29·351	34·6	34·4	S. S. W.	Fresh.	Dense cir.-cum. and haze.

MAGNETICAL OBSERVATIONS. December 17th and 18th.

Declination. Angular Value of one Scale Division = 0′·721.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
112·2	116·8	110·8	108·0	113·6	114·4	111·8	114·2	112·0	110·4	110·0	110·2	111·5
112·0	117·0	110·8	108·9	113·0	114·2	112·3	113·0	111·0	110·5	109·8	111·0	112·0
112·2	117·0	111·0	108·1	112·8	114·2	113·1	113·0	110·8	111·2	109·7	110·6	111·6
113·2	117·2	111·4	109·0	113·6	114·0	113·0	113·2	110·5	111·2	109·2	110·7	112·0
113·6	117·2	112·2	110·0	114·2	113·0	114·0	115·0	110·1	111·8	109·4	111·4	112·0
113·2	115·0	112·0	110·9	114·0	112·0	114·1	115·0	109·6	111·7	109·9	112·0	112·0
114·0	114·0	112·7	112·4	113·2	112·0	115·0	115·6	110·1	111·4	110·0	112·0	112·0
114·8	112·3	112·6	112·8	112·8	112·0	115·0	115·0	109·9	111·2	109·8	111·9	112·2
116·0	111·4	111·0	113·5	113·5	112·0	114·5	115·0	110·2	110·6	109·2	112·0	112·2
117·0	111·8	109·8	114·0	113·2	111·4	114·9	113·8	109·7	110·0	109·7	111·5	112·0
117·0	111·6	109·2	113·4	114·0	111·9	115·0	111·8	109·8	109·7	110·2	111·8	112·3
116·5	110·8	108·0	114·0	115·0	111·8	114·1	111·4	109·2	109·2	110·2	111·7	112·4

Horizontal Force. Change in the Magnetic moment of the Bar for 1° Fah′. = ·000234.

390·5	390·8	394·4	391·2	392·2	390·0	397·0	399·0	402·0	405·8	400·6	404·0	396·0
391·0	390·6	394·8	389·2	392·3	391·5	396·5	398·0	401·8	408·3	399·8	402·2	394·2
390·8	390·6	395·0	389·8	392·0	392·2	395 8	399·0	403·5	407·6	401·8	403·2	393·8
390·6	389·8	393·3	388·6	391·8	393·2	396·5	401·0	404·0	406·8	401·8	401·3	393·4
390·9	390·6	393·0	388·0	389·6	394·0	397·8	400·0	403·5	405·4	401·4	399·9	393·3
390·0	392·8	393·5	388·6	388·6	393·5	398·5	401·0	404·5	404·0	403·0	399·1	393·0
389·7	393·5	393·1	390·0	389·0	395·5	397·3	400·3	404·5	401·6	401·6	398·2	393·2
390·2	394·0	393·2	391·2	387·7	396·0	397·0	399·6	405·5	400·8	401·0	397·9	392·6
390·2	394·0	395·2	391·2	388·0	396·7	398·0	399·0	405·5	400·0	400·8	398·8	393·7
390·4	396·0	396·0	392·0	389·4	396·7	398·0	400·0	406·3	397·8	404·8	397·0	393·6
391·0	394·9	396·2	392·2	391·0	397·0	397·4	401·0	407·0	399·8	405·0	397·1	393·0
390·6	395·1	394·8	392·0	389·6	397·5	399·5	401·5	407·0	400·6	404·4	395·8	392·4
50·2	50·2	49·6	49·2	49·0	48·5	48·5	48·5	49·5	49·4	49·5	49·6	50·0[a]

Vertical Force. Change in the Magnetic moment of the Bar for 1° Fah′. = ·00007.

160·6	160·1	159·9	162·8	160·3	163·6	164·8	164·8	163·5	164·3	166·1	167·5	167·5
160·7	160·1	159·9	162·2	161·5	163·7	164·8	165·0	163·5	164·7	166·5	167·5	167·5
160·7	160·1	159·9	162·2	161·5	163·9	164·8	165·0	163·5	164·4	163·8	167·7	167·8
160·9	159·8	159·9	160·5	161·5	164·4	164·8	165·0	163·5	164·7	167·5	168·6	168·4
160·7	159·8	160·4	160·5	161·2	164·4	164·8	165·0	163·5	164·7	167·5	168·1	168·0
161·7	159·5	160·4	160·5	161·2	164·8	164·7	164·8	163·5	165·9	167·3	168·1	168·0
161·6	158·0	160·4	160·3	161·9	164·8	164·7	164·8	163·5	165·5	167·1	168·1	168·0
160·8	159·2	160·5	159·7	161·7	164·8	164·7	164·8	163·5	164·8	167·1	167·8	168·0
160·5	159·2	160·5	159·7	162·4	165·2	164·7	164·8	164·1	166·7	166·7	167·8	168·5
159·6	159·8	160·5	160·5	162·2	165·2	164·7	163·9	164·1	166·7	166·7	167·8	166·9
159·6	159·1	160·7	160·5	162·4	164·8	164·7	163·9	164·3	166·7	166·6	168·8	167·0
159·7	159·1	161·3	160·4	163·6	164·8	164·5	163·5	164·3	166·1	167·4	168·8	167·0
50·7	50·8	50·7	50·5	50·5	49·7	49·1	49·0	49·3	49·3	49·5	49·5	49·5[a]

[a] At 18d 10h Thermometer of H. F. 49°·6; of V. F. 49°·6.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Weather.
				Dry.	Wet.	Direction	Force.	
D.	H.	M.	In.	°	°			
17	22	0	29·347	34·4	31·3	W. S. W.	Brisk.	Cir.-cum., with a few clear spaces.
	23	0	29·359	34·1	31·3	S. W. by W.	Moderate.	Mostly overcast with cir.-cum. and cum.-strat.; clear spaces.
18	0	0	29·355	34·0	30·9	S. W. by W.	Moderate.	Overcast with cir.-cum. and cum.-strat.
	1	0	29·374	32·8	29·7	S. S. W.	Moderate.	Overcast with cir.-cum. detached.
	2	0	29·393	33·1	30·7	S. W.	Light.	Overcast with cir.-cum.; cir.-strat. and haze.
	3	0	29·400	33·6	31·1	S. W.	Light.	Clouded cum.-strat. and cir.-cum.
	4	0	29·410	33·0	31·2	S. W.	Moderate.	Generally clouded; cir.-cum. and cum.-strat.; clear spaces.
	5	0	29·398	35·0	31·1	S. S. W.	Moderate.	Partially clouded; cir.-cum. widely dispersed.
	6	0	29·362	35·4	31·1	W. by S.	Moderate.	Cir.-cum. and cir. round horizon; remainder clear.
	7	0	29·351	35·3	30·9	W. by S.	Moderate.	Light cir.-cum. and cum.-strat. dispersed.
	8	0	29·327	34·6	31·9	S. S. W.	Moderate.	Light cir.-cum. and cum.-strat. dispersed.
	9	0	29·313	34·6	31·1	S. S. W.	Moderate.	Light cir.-cum. and cum.-strat. dispersed.

TORONTO, 1845.

METEOROLOGICAL OBSERVATIONS

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English inches + the numbers in the Table.

Hours of Mean Göttingen Time.		0	1	2	3	4	5	6	7	8	9	10	11
Hours of Mean Toronto Time.		18	19	20	21	22	23	0	1	2	3	4	5
JANUARY.	1	2·380	2·399	2·435	2·468	2·483	2·477	2·477	2·483	2·514	2·544	2·584	2·
	2	2·832	2·842	2·858	2·867	2·884	2·869	2·855	2·842	2·848	2·868	2·858	2·
	3	2·567	2·525	2·487	2·476	2·438	2·384	2·325	2·285	2·249	2·225	2·207	2·
	4	2·534	2·565	2·587	2·593	2·593	2·559	2·525	2·518	2·525	2 522	2·514	2·
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	2·698	2·737	2·759	2·763	2·738	2·739	2·712	2·682	2·656	2·666	2·656	2·
	7	2·193	2·141	2·163	2·153	2·161	2·154	2·160	2·171	2·182	2·218	2 245	2·
	8	2·501	2·502	2·518	2·525	2·525	2·526	2·510	2·519	2·524	2·539	2·543	2·
	9	2·385	2·395	2·399	2·422	2·420	2·403	2·378	2·330	2·311	2·305	2·296	2·
	10	2·562	2·591	2·616	2·634	2·635	2·618	2 597	2·584	2·583	2·592	2·598	2·
	11	2·541	2·545	2·550	2·550	2·540	2·530	2·482	2·461	2·451	2·451	2·451	2·
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	2·122	2·119	2·119	2·111	2·129	2·143	2·150	2·188	2·215	2·265	2·324	2·
	14	2·687	2·719	2·776	2·799	2·839	2·833	2·827	2·841	2·843	2·857	2·848	2·
	15	2·728	2·739	2·738	2·764	2·777	2·746	2·728	2·735	2·742	2·737	2·777	2·
	16	2·822	2·830	2·852	2·854	2·876	2·846	2·830	2·812	2·810	2·796	2·808	2·
	17	2·522	2·498	2·477	2·482	2·464	2·444	2·411	2·387	2·349	2·371	2·303	2·
	18	2·753	2·791	2·816	2·854	2·883	2·918	2·920	2·933	2·977	3·015	3·046	3·
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	2·798	2·798	2·798	2·773	2·785	2·781	2·752	2·733	2·728	2·728	2·722	2·
	21	2·524	2·516	2·516	2·503	2·507	2·506	2·484	2·485	2·493	2·511	2·521	2·
	22	2·823	2·851	2·875	2·909	2·931	2·946	2·948	2·954	2·957	2·964	2·978	2·
	23	3·028	3·016	3·000	2·992	2·975	2·908	2·865	2·829	2·821	2·815	2·807	2·
	24	2·638	2·630	2·629	2·619	2·613	2·573	2·551	2·517	2·502	2·488	2·482	2·
	25	2·441	2·461	2·492	2·500	2·514	2·502	2·494	2·500	2·498	2·524	2·541	2·
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	2·693	2·661	2·686	2·692	2·694	2·699	2·653	2·644	2·638	2·639	2·631	2·
	28	2·480	2·461	2·455	2·445	2·431	2·410	2·373	2·357	2·351	2·348	2·350	2·
	29	2·618	2·618	2·620	2·623	2·633	2·630	2·626	2·626	2·638	2·668	2·676	2·
	30	2·842	2·862	2·884	2·860	2·860	2·840	2·796	2·775	2·745	2·721	2·715	2·
	31	2·692	2·728	2·768	2·800	2·844	2·867	2·882	2·900	2·917	2·941	2·969	2·
Hourly Means		2·6076	2·6126	2·6249	2·6308	2·6360	2·6241	2·6041	2·5960	2·5951	2·6044	2·6093	2·
FEBRUARY.	1	3·123	3·123	3·135	3·164	3·146	3·138	3·116	3 076	3·059	3·063	3·065	3·
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	3·016	2·996	2·987	2·981	2·949	2·944	2·916	2·890	2 846	2·823	2·789	2·
	4	2·200	2·164	2·156	2·147	2·146	2·140	2·133	2·109	2·109	2·119	2·135	2·
	5	2·114	2·079	2·070	2·074	2·070	2·106	2·109	2·101	2·111	2·125	2·123	2·
	6	2·459	2·479	2·511	2·524	2·546	2·542	2·514	2·495	2·501	2·529	2·555	2·
	7	2·712	2·726	2·746	2·778	2·785	2·792	2·788	2·781	2·779	2·781	2·778	2·
	8	2·932	2·955	2·983	2·989	2·987	2·996	2·990	2·974	2·960	2·957	2·940	2·
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	2·731	2·728	2·710	2·696	2·664	2·641	2·608	2·564	2·500	2·464	2·414	2·
	11	2·368	2·376	2·381	2·382	2·364	2·357	2·337	2·299	2·277	2·256	2·228	2·
	12	2·162	2·218	2·270	2·319	2·375	2·435	2·483	2·518	2·548	2·600	2·651	2·
	13	3·085	3·098	3·114	3·141	3·131	3·124	3·115	3·108	3·110	3·100	3·096	3·
	14	2·892	2·891	2·874	2·858	2·844	2·814	2·792	2·731	2·711	2·684	2·658	2·
	15	2·471	2·478	2·476	2·464	2·448	2·465	2·444	2·424	2·406	2·406	2·396	2·
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	2·628	2·632	2·638	2·633	2·632	2·628	2·609	2·600	2·608	2·612	2·626	2·
	18	2·771	2·777	2·793	2·797	2·802	2·807	2·800	2·772	2·763	2·755	2·749	2·
	19	2·719	2·713	2·723	2·741	2·731	2·722	2·716	2·680	2·651	2·646	2·646	2·
	20	2·501	2·503	2·509	2·509	2·500	2·498	2·478	2·450	2·448	2·426	2·426	2·
	21	2·387	2·407	2·426	2·444	2·456	2·450	2·435	2·429	2·442	2·451	2·463	2·
	22	2·623	2·641	2·675	2·675	2·675	2·672	2 658	2·628	2·638	2·616	2·600	2·
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	2·488	2·506	2·512	2·521	2·513	2·508	2·451	2·475	2·454	2·452	2·441	2·
	25	2·426	2·430	2·428	2·414	2·402	2·385	2·365	2·336	2·313	2·303	2·294	2·
	26	2·427	2·438	2·442	2·451	2·441	2·422	2·428	2·428	2·436	2·448	2·458	2·
	27	2·480	2·488	2·502	2·507	2·500	2·489	2·478	2·462	2·460	2·472	2·480	2·
	28	2·665	2·668	2·672	2·662	2·652	2·641	2·573	2·573	2·559	2·515	2·480	2·
Hourly Means		2·5992	2·6047	2·6139	2·6196	2·6150	2·6132	2·5973	2·5793	2·5704	2·5668	2·5621	2·

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
2·514	2·544	2·584	2·	2·640	2·660	2·672	2·692	2·725	2·728	2·728	2·728	2·726	2·766	2·782	2·801	2·6046
2·848	2·868	2·858	2·	2·856	2·845	2·829	2·818	2·814	2·788	2·748	2·734	2·726	2·682	2·626	2·583	2·8053
2·249	2·225	2·207	2·	2·175	2·197	2·261	2·312	2·349	2·371	2·389	2·400	2·406	2·471	2·471	2·514	2·3613
2·525	2 522	2·514	2·	2·504	2·491	2·481	2·443	2·431	2·401	—	—	—	—	—	—	2·5458
—	—	—	—	—	—	—	—	—	—	2·599	2·609	2·635	2·647	2·656	2·664	
2·656	2·666	2·656	2·	2·610	2·592	2·584	2·562	2·517	2·483	2·443	2·392	2·338	2·302	2·264	2·201	2·5719
2·182	2·218	2 245	2·	2·324	2·358	2·390	2·402	2·424	2·438	2·448	2·458	2·480	2·502	2·490	2·491	2·3098
2·524	2·539	2·543	2·	2·531	2 531	2·531	2·521	2·497	2·486	2·463	2·444	2·436	2·415	2·396	2·386	2·4961
2·311	2·305	2·296	2·	2·303	2·333	2·372	2·426	2·454	2·475	2·506	2·525	2·541	2·547	2·547	2·548	2·4127
2·583	2·592	2·598	2·	2·606	2·609	2·596	2·609	2·609	2·599	2·595	2·599	2·595	2·572	2·548	2·536	2·5947
2·451	2·451	2·451	2·	2·437	2 445	2·439	2·429	2·413	2·393	—	—	—	—	—	—	2·4228
—	—	—	—	—	—	—	—	—	—	2·366	2·334	2·292	2·250	2·202	2·156	
2·215	2·265	2·324	2·	2·424	2·462	2·482	2·505	2·525	2·513	2·525	2·539	2·577	2·603	2·634	2·664	2·3628
2·843	2·857	2·848	2·	2·846	2·829	2·811	2·799	2·797	2·785	2·761	2·737	2·741	2·731	2·720	2·711	2·7912
2·742	2·737	2·777	2·	2·794	2·810	2·810	2·808	2·798	2·791	2·777	2·783	2·804	2·798	2·790	2·784	2·7724
2·810	2·796	2·808	2·	2·798	2·787	2·781	2·773	2·752	2·730	2·700	2·672	2·642	2·595	2·555	2·487	2·7585
2·349	2·371	2·303	2·	2·390	2·420	2·426	2·479	2·514	2·544	2·564	2·590	2·638	2·683	2·713	2·725	2·4896
2·977	3·015	3·046	3·	3·110	3·144	3·151	3·158	3·186	3·206	—	—	—	—	—	—	2·9539
—	—	—	—	—	—	—	—	—	—	2·842	2·828	2·818	2·827	2·817	2·806	
2·728	2·728	2·722	2·	2·700	2·680	2·658	2·635	2·644	2·632	2·605	2·569	2·567	2·567	2·542	2·536	2·6857
2·493	2·511	2·521	2·	2·542	2·568	2·582	2·606	2·618	2·640	2·658	2·665	2·697	2·721	2·741	2·779	2·5798
2·957	2·964	2·978	2·	3·000	3·010	3·016	3·036	3·038	3·035	3·029	3·031	3·048	3·029	3·033	3·035	2·9779
2·821	2·815	2·807	2·	2·753	2·757	2·739	2·727	2·725	2·728	2·709	2·694	2·692	2·686	2·655	2·639	2·8061
2·502	2·488	2·482	2·	2·440	2·426	2·428	2·416	2·421	2·421	2·421	2·405	2·415	2·426	2·435	2·430	2·4909
2·498	2·524	2·541	2·	2·572	2·591	2·605	2·610	2·605	2·616	—	—	—	—	—	—	2·5773
—	—	—	—	—	—	—	—	—	—	2·727	2·705	2·717	2·695	2·695	2·693	
2·638	2·639	2·631	2·	2·639	2·624	2·624	2·608	2·590	2·588	2·570	2·566	2·528	2·520	2·506	2·488	2·6166
2·351	2·348	2·350	2·	2·494	2·428	2·466	2·482	2·492	2·508	2·515	2·543	2·567	2·583	2·602	2·609	2·4598
2·638	2·668	2·676	2·	2·718	2·724	2·727	2·739	2·744	2·747	2·746	2 753	2·773	2·785	2·803	2·823	2·6980
2·745	2·721	2·715	2·	2·706	2·704	2·699	2·687	2·670	2·653	2·638	2·634	2·635	2·641	2·648	2·670	2·7330
2·917	2·941	2·969	2·	3·030	3·045	3·064	3·085	3·104	3·120	3·135	3·135	3·149	3·139	3·121	3·121	2·9815
2·5951	2·6044	2·6093	2·	2·6239	2·6319	2·6379	2·6440	2·6465	2·6451	2·6373	2·6323	2·6364	2·6364	2·6293	2·6252	2·6244
3·059	3·063	3·065	3·	3·054	3·054	3·048	3·048	3·046	3·046	—	—	—	—	—	—	3·0769
—	—	—	—	—	—	—	—	—	—	3·069	3·061	3·050	3·047	3·041	3·026	
2·846	2·823	2·789	2·	2·710	2·682	2·610	2·513	2·483	2·429	2·403	2·302	2·344	2·302	2·263	2·225	2·6777
2·109	2·119	2·135	2·	2·159	2·163	2·153	2·161	2·160	2·154	2·143	2·147	2·138	2·124	2·128	2·117	2·1438
2·111	2·125	2·123	2·	2·249	2·273	2·293	2·319	2·327	2·330	2·330	2·335	2·360	2·376	2·399	2·429	2·2218
2·501	2·529	2·555	2·	2·576	2·600	2·612	2·603	2·604	2·604	2·623	2·640	2·662	2·674	2·688	2·698	2·5755
2·779	2·781	2·778	2·	2·809	2·832	2 843	2·847	2·852	2·852	2·852	2·852	2·872	2·876	2·889	2·908	2·8133
2·960	2·957	2·940	2·	2·926	2·932	2·942	2·943	2·923	2·922	—	—	—	—	—	—	2·9005
—	—	—	—	—	—	—	—	—	—	2·729	2·731	2·741	2·758	2·748	2·727	
2·500	2·464	2·414	2·	2·398	2·366	2·353	2·332	2·322	2·310	2·320	2·335	2 343	2·341	2·354	2·316	2·4676
2·277	2·256	2·228	2·	2·193	2·181	2·161	2·129	2·121	2·111	2·097	2·097	2·089	2·089	2·095	2·115	2·2207
2·548	2·600	2·651	2·	2·733	2·798	2·873	2·885	2·896	2·917	2·933	2·967	2·996	3·011	3·032	3·059	2·6824
3·110	3·100	3·096	3·	3·068	3·056	3·020	3·007	2·999	2·991	2·969	2·961	2·949	2·919	2·912	2·910	3·0444
2·711	2·684	2·658	2·	2·618	2·617	2·591	2·589	2·564	2·552	2·544	2·513	2·504	2·479	2·467	2·471	2·6624
2·406	2·406	2·396	2·	2·404	2·470	2·454	2·489	2·493	2·498	—	—	—	—	—	—	2·4955
—	—	—	—	—	—	—	—	—	—	2·644	2·644	2·638	2·629	2·626	2·622	
2·608	2·612	2·626	2·	2·644	2·666	2·682	2·695	2·711	2·723	2·723	2·719	2·725	2·735	2·737	2·759	2·6663
2·763	2·755	2·749	2·	2·755	2·755	2·751	2·736	2·744	2·730	2·746	2·734	2·731	2·721	2·717	2·721	2·7573
2·651	2·646	2·646	2·	2·636	2·627	2·618	2·601	2·571	2·557	2·551	2·541	2·536	2·522	2·515	2·512	2·6300
2·448	2·426	2·426	2·	2·400	2·400	2·384	2·372	2·358	2·346	2·342	2·370	2·376	2·377	2·379	2·397	2·4229
2·442	2·451	2·463	2·	2·509	2·512	2·526	2·548	2·556	2·550	2·576	2·594	2·625	2·605	2·615	2·623	2·5050
2·638	2·616	2·600	2·	2·555	2·531	2·506	2·470	2·443	2·425	—	—	—	—	—	—	2·5516
—	—	—	—	—	—	—	—	—	—	2·400	2·422	2·435	2·437	2·455	2·478	
2·454	2·452	2·441	2·	2·456	2·456	2·456	2·446	2·433	2·436	2·438	2·448	2·448	2·428	2·428	2·424	2·4610
2·313	2·303	2·294	2·	2·291	2·297	2·301	2·302	2·326	2·338	2·356	2·364	2·385	2·393	2·460	2·434	2·3594
2·436	2·448	2·458	2·	2·475	2·483	2·484	2·498	2·502	2·504	2·501	2·499	2·493	2·480	2·478	2·479	2·4654
2·460	2·472	2·480	2·	2·514	2·516	2·531	2·570	2·595	2·596	2·596	2·618	2·618	2·631	2·649	2·660	2·5374
2·539	2·515	2·480	2·	2·438	2·411	2·415	2·393	2·346	2·294	2·265	2·236	2·211	2·232	2·277	2·317	2·4567
2·5793	2·5704	2·5668	2·5621	2·5554	2·5699	2·5670	2·5623	2·5569	2·5506	2·5479	2·5508	2·5529	2·5494	2·5563	2·5595	2·5748

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English inches + the numbers in the Table.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
MARCH.	1	2·349	2·395	2·411	2·432	2·460	2·472	2·473	2·467	2·487	2·508	2·511	2·
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	2·367	2·435	2·485	2·527	2·574	2·612	2·654	2·676	2·712	2·733	2·755	2·
	4	2·834	2·839	2·846	2·838	2·826	2·807	2·783	2·756	2·720	2·699	2·684	2·
	5	2·030	2·042	2·056	2·057	2·073	2·139	2·185	2·234	2·303	2·375	2·420	2·
	6	2·886	2·916	2·934	2·945	2·950	2·950	2·922	2·904	2·870	2·847	2·826	2·
	7	2·696	2·688	2·694	2·705	2·682	2·657	2·626	2·619	2·579	2·575	2·553	2·
	8	2·379	2·405	2·419	2·439	2·457	2·473	2·468	2·471	2·497	2·518	2·538	2·
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	2·701	2·701	2·698	2·698	2·679	2·668	2·624	2·596	2·580	2·569	2·559	2·
	11	2·646	2·678	2·714	2·743	2·779	2·806	2·814	2·806	2·801	2·799	2·797	2·
	12	2·799	2·796	2·796	2·784	2·777	2·766	2·760	2·762	2·734	2·734	2·729	2·
	13	2·788	2·803	2·803	2·822	2·824	2·818	2·808	2·783	2·758	2·748	2·736	2·
	14	2·484	2·460	2·450	2·417	2·385	2·362	2·327	2·284	2·266	2·302	2·332	2·
	15	2·497	2·498	2·498	2·498	2·484	2·476	2·470	2·462	2·440	2·444	2·430	2·
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	2·941	2·957	2·966	2·977	2·988	2·011	2·025	2·026	2·034	2·048	2·074	2·
	18	2·179	2·210	2·194	2·201	2·200	2·202	2·209	2·227	2·235	2·267	2·281	2·
	19	2·440	2·440	2·454	2·456	2·458	2·442	2·414	2·432	2·417	2·443	2·456	2·
	20	2·595	2·605	2·623	2·645	2·671	2·675	2·678	2·667	2·696	2·710	2·721	2·
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	2·850	2·854	2·869	2·861	2·871	2·857	2·839	2·830	2·810	2·791	2·768	2·
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	2·490	2·506	2·528	2·532	2·542	2·556	2·569	2·591	2·601	2·619	2·644	2·
	25	2·916	2·950	2·962	2·962	2·984	2·976	2·962	2·937	2·919	2·916	2·908	2·
	26	2·928	2·929	2·919	2·911	2·864	2·813	2·765	2·727	2·710	2·675	2·657	2·
	27	2·667	2·691	2·706	2·719	2·714	2·706	2·699	2·679	2·651	2·651	2·642	2·
	28	2·693	2·725	2·744	2·757	2·766	2·766	2·775	2·772	2·769	2·769	2·758	2·
	29	2·762	2·757	2·761	2·744	2·752	2·732	2·705	2·673	2·658	2·654	2·654	2·
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	2·646	2·655	2·647	2·634	2·622	2·589	2·564	2·539	2·494	2·460	2·430	2·
Hourly Means		2·5825	2·5974	2·6071	2·6130	2·6153	2·6132	2·6062	2·5968	2·5896	2·5942	2·5946	2·
APRIL.	1	2·201	2·235	2·322	2·351	2·384	2·407	2·434	2·451	2·463	2·479	2·497	2·
	2	2·385	2·359	2·340	2·305	2·282	2·279	2·340	2·372	2·438	2·488	2·526	2·
	3	2·856	2·885	2·886	2·902	2·900	2·883	2·860	2·826	2·783	2·737	2·747	2·
	4	2·270	2·308	2·357	2·382	2·412	2·420	2·435	2·461	2·471	2·463	2·473	2·
	5	2·654	2·662	2·651	2·631	2·629	2·615	2·594	2·594	2·586	2·594	2·612	2·
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	2·523	2·530	2·531	2·548	2·570	2·573	2·573	2·574	2·582	2·595	2·610	2·
	8	2·762	2·782	2·782	2·789	2·805	2·811	2·819	2·822	2·810	2·821	2·830	2·
	9	2·911	2·912	2·901	2·882	2·865	2·831	2·776	2·758	2·726	2·681	2·633	2·
	10	2·154	2·172	2·176	2·167	2·177	2·196	2·219	2·255	2·275	2·284	2·314	2·
	11	2·597	2·614	2·650	2·667	2·686	2·689	2·690	2·692	2·697	2·705	2·714	2·
	12	2·866	2·880	2·890	2·900	2·899	2·884	2·862	2·840	2·814	2·809	2·799	2·
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	2·685	2·713	2·715	2·718	2·713	2·693	2·658	2·640	2·625	2·595	2·581	2·
	15	2·670	2·689	2·696	2·690	2·697	2·682	2·662	2·647	2·637	2·624	2·611	2·
	16	2·506	2·504	2·503	2·494	2·486	2·480	2·484	2·475	2·457	2·466	2·452	2·
	17	2·485	2·515	2·511	2·517	2·539	2·527	2·535	2·551	2·561	2·567	2·579	2·
	18	2·613	2·653	2·665	2·669	2·667	2·675	2·685	2·658	2·666	2·648	2·650	2·
	19	2·528	2·528	2·528	2·521	2·480	2·510	2·500	2·500	2·480	2·468	2·460	2·
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	2·724	2·746	2·751	2·752	2·752	2·752	2·743	2·752	2·760	2·764	2·770	2·
	22	2·723	2·731	2·734	2·736	2·729	2·714	2·694	2·685	2·650	2·647	2·623	2·
	23	2·494	2·496	2·512	2·501	2·494	2·494	2·477	2·448	2·440	2·436	2·422	2·
	24	2·550	2·576	2·590	2·586	2·593	2·575	2·569	2·548	2·537	2·541	2·539	2·
	25	2·530	2·547	2·540	2·534	2·492	2·497	2·479	2·495	2·387	2·355	2·355	2·
	26	2·435	2·447	2·437	2·431	2·425	2·421	2·398	2·388	2·371	2·346	2·341	2·
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	2·724	2·756	2·756	2·760	2·756	2·753	2·736	2·737	2·717	2·713	2·702	2·
	29	2·846	2·868	2·869	2·894	2·895	2·899	2·884	2·883	2·863	2·869	2·896	2·
	30	2·739	2·749	2·736	2·724	2·724	2·696	2·666	2·657	2·635	2·588	2·593	2·
Hourly Means		2·5935	2·6099	2·6165	2·6173	2·6173	2·6137	2·6066	2·6042	2·5935	2·5886	2·5896	2·

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English inches + the numbers in the Table.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
2·534	2·546	2·562	2·552	2·547	2·554	—	—	—	—	—	—	2·4157
—	—	—	—	—	—	2·111	2·133	2·155	2·216	2·256	2·321	
2·810	2·828	2·828	2·830	2·830	2·807	2·824	2·828	2·818	2·792	2·788	2·810	2·7127
2·606	2·560	2.536	2·536	2·500	2·428	2·400	2·317	2·267	2·190	2·142	2·112	2·5781
2·513	2·573	2·597	2·645	2·684	2·722	2·741	2·770	2·796	2·813	2·843	2·870	2·4562
2·782	2·773	2·753	2·731	2·717	2·712	2·702	2·695	2·717	2·689	2·693	2·695	2·8089
2·503	2·503	2·501	2·501	2·477	2·441	2·431	2·443	2·411	2·371	2·351	2·371	2 5375
2·564	2·595	2·615	2·615	2·603	2·614	—	—	—	—	—	—	2·5600
—	—	—	—	—	—	2·715	2·717	2·700	2·696	2·684	2·697	
2·535	2·535	2·535	2·543	2·529	2·513	2·511	2·530	2·527	2·542	2·572	2·592	2·5863
2·805	2·803	2·807	2·814	2·814	2·823	2·834	2·834	2·819	2·809	2·807	2·807	2·7898
2·735	2·745	2·753	2·767	2·763	2·752	2·749	2·749	2·756	2·740	2·761	2·774	2·7587
2·720	2·714	2·700	2·681	2·664	2·648	2·626	2·597	2·558	2·522	2·508	2·502	2·7023
2·398	2·432	2·461	2·468	2·482	2·478	2·479	2·482	2·479	2·478	2·477	2·477	2·4177
2·432	2·446	2·446	2·444	2·450	2·442	—	—	—	—	—	—	2·3432
—	—	—	—	—	—	2·036	2·032	2·006	2·982	2·949	2·939	
2·104	2·114	2·136	2·155	2·154	2·148	2·146	2·153	2·149	2·143	2·153	2·173	2·0775
2·347	2·375	2·392	2·408	2·408	2·408	2·410	2·406	2·406	2·402	2·402	2·424	2·3130
2·499	2·526	2·542	2·538	2·532	2·519	2·507	2·519	2·529	2·535	2·540	2.565	2·4881
2·769	2·783	2·790	2·797	2·797	2·823	—	—	—	—	—	—	2·7341
—	—	—	—	—	—	—	—	2·849	2·837	2·836	2·836	
2·737	2·740	2·742	2·742	2·738	2·736	—	—	—	—	—	—	2·7093
—	—	—	—	—	—	2·414	2·422	2·430	2·440	2·460	2·478	
2·721	2·754	2·774	2·790	2·800	2·819	2·825	2·828	2·830	2·840	2·884	2·890	2·6924
2·924	2·949	2·954	2·962	2·962	2·962	2·954	2·957	2·945	2·943	2·940	2·923	2·9458
2·613	2·591	2·583	2·591	2·589	2·589	2·575	2·595	2·603	2·607	2·621	2·633	2·6967
2·632	2·627	2·605	2 612	2·611	2·612	2·605	2·615	2·617	2·617	2·638	2·662	2·6505
2·778	2·786	2·791	2·793	2·792	2·793	2·764	2·756	2·749	2·738	2·744	2·741	2·7624
2·663	2·665	2·678	2·684	2·684	2·684	—	—	—	—	—	—	2·6850
—	—	—	—	—	—	2·659	2·657	2·643	2·630	2·638	2·646	
2·368	2·334	2·309	2·294	2·272	2·260	2·226	2·150	2·146	2·142	2·114	2·175	2·3943
2·6038	2·6119	2·6156	2·6197	2·6160	2·6115	2·5518	2·5494	2·5562	4·5486	2·5520	2·5645	2·5922
2·550	2·570	2·579	2·577	2·581	2·585	2·529	2·529	2·514	2·506	2·457	2·399	2·4632
2·596	2·600	2·622	2·613	2·605	2·622	2·639	2·677	2·733	2·753	2·777	2·816	2·5301
2·626	2·564	2·509	2·442	2·360	2·286	2·201	2·166	2·148	2·132	2·165	2·216	2·5750
2·507	2·524	2·560	2·565	2·572	2·584	2·596	2·609	2·609	2·611	2·631	2·646	2·4981
2·626	2·625	2·644	2·644	2·634	2·639	—	—	—	—	—	—	2·6037
—	—	—	—	—	—	2·582	2·585	2·564	2·510	2·502	2·491	
2·656	2·680	2·709	2·715	2·712	2·713	2·703	2·694	2·711	2·720	2·733	2·741	2·6387
2·864	2·880	2·891	2·901	2·899	2·916	2·919	2·922	2·918	2·905	2·905	2·905	2·8543
2·582	2·544	2·522	2·484	2·455	2·416	2·359	2·315	2·286	2·224	2·175	2·155	2·5535
2·370	2·401	2·425	2·446	2·458	2·468	2·478	2·479	2·479	2·503	2·525	2·559	2·3469
2·730	2·752	2·780	2·798	2·799	2·811	2·813	2·815	2·823	2·835	2·834	2·839	2·7396
2·771	2·737	2·737	2·717	2·713	2·607	—	—	—	—	—	—	2·7625
—	—	—	—	—	—	2·581	2·587	2·603	2·614	2·636	2·668	
2·590	2·588	2·614	2·631	2·631	2·632	2·635	2·632	2·641	2·642	2·649	2·652	2·6442
2·595	2·597	2·604	2·603	2·576	2·574	2·575	2·555	2·548	2·543	2·533	2·514	2·6139
2·438	2·431	2·431	2·445	2·445	2·455	2·447	2·435	2·451	2·451	2·471	2·525	2·4657
2·601	2·599	2·617	2·617	2·619	2·605	2·627	2·669	2·657	2·638	2·635	2·679	2·5850
2·620	2·598	2·604	2·612	2·597	2·585	2·557	2·571	2·555	2·511	2·505	2·510	2·6122
2·494	2·498	2·514	2·537	2·537	2·541	—	—	—	—	—	—	2·5470
—	—	—	—	—	—	2·652	2·648	2·656	2·678	2·688	2·702	
2·747	2·763	2·769	2·775	2·773	2·760	2·755	2·741	2·738	2·746	2·752	2·736	2·7531
2·600	2·590	2·576	2·543	2·529	2·535	2·535	2·497	2·497	2·488	2·490	2·494	2·6106
2·486	2·496	2·466	2·483	2·483	2·501	2·507	2·508	2·516	2·522	2·516	2·530	2·4852
2·570	2·550	2·618	2·626	2·620	2·616	2·614	2·641	2·654	2·657	2·622	2·557	2·5880
6·334	2·324	2·356	2·385	2·378	2·374	2·377	2·366	2·377	2·373	2·399	2·401	2·4170
2·308	2·304	2·320	2·327	2·337	2·341	—	—	—	—	—	—	2·4496
—	—	—	—	—	—	2·643	2·661	2·681	2·687	2·699	2·714	
2·710	2·730	2·742	2·756	2·753	2·750	2·767	2·757	2·767	2·782	2·818	2·836	2·7492
2·870	2·880	2·879	2·864	2·836	2·833	2·833	2·820	2·800	2·782	2·746	2·738	2·8510
2·544	2·544	2·544	2·556	2·564	2·564	2·544	2·544	2·516	2·536	2·541	2·562	2·6101
2·5917	2·5911	2·6012	2·6024	2·5948	2·5924	2·5949	2·5932	2·5939	2·5903	2·5925	2·5994	2·5991

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

Hours of Mean Gottingen Time.		0	1	2	3	4	5	6	7	8	9	10	11
Hours of Mean Toronto Time.		18	19	20	21	22	23	0	1	2	3	4	5
MAY.	1	2·566	2·572	2·569	2·568	2·555	2·548	2·536	2·514	2·496	2·464	2·461	2·492
	2	2·655	2·682	2·697	2·715	2·717	2·703	2·696	2·678	2·654	2·643	2·633	2·630
	3	2·675	2·655	2·664	2·663	2·644	2·610	2·589	2·559	2·538	2·524	2·526	2·518
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	2·832	2·850	2·843	2·843	2·845	2·833	2·801	2·801	2·761	2·749	2·718	2·736
	6	2·705	2·685	2·667	2·646	2·620	2·592	2·551	2·517	2·477	2·441	2·398	2·374
	7	2·318	2·320	2·352	2·395	2·435	2·451	2·471	2·495	2·514	2·539	2·550	2·543
	8	2·857	2·868	2·867	2·872	2·870	2·856	2·836	2·814	2·788	2·770	2·763	2·748
	9	2·744	2·758	2·782	2·788	2·806	2·810	2·826	2·835	2·837	2·843	2·852	2·870
	10	2·939	2·928	2·915	2·922	2·915	2·899	2·876	2·870	2·843	2·815	2·804	2·790
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	2·711	2·725	2·719	2·716	2·719	2·709	2·688	2·669	2·651	2·632	2·623	2·606
	13	2·637	2·645	2·641	2·634	2·626	2·611	2·588	2·571	2·547	2·525	2·510	2·506
	14	2·417	2·405	2·397	2·373	2·363	2·364	2·352	2·358	2·348	2·328	2·322	2·287
	15	2·466	2·466	2·491	2·520	2·565	2·585	2·601	2·603	2·598	2·600	2·606	2·602
	16	2·844	2·855	2·872	2·857	2·855	2·810	2·820	2·813	2·808	2·794	2·779	2·771
	17	2·790	2·801	2·805	2·792	2·781	2·760	2·743	2·727	2·698	2·682	2·665	2·657
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	2·447	2·466	2·466	2·473	2·462	2·451	2·440	2·408	2·406	2·428	2·422	2·406
	20	2·572	2·595	2·601	2·603	2·609	2·608	2·608	2·606	2·600	2·594	2·584	2·591
	21	2·762	2·776	2·784	2·790	2·786	2·779	2·761	2·759	2·744	2·733	2·719	2·715
	22	2·693	2·685	2·649	2·656	2·662	2·661	2·659	2·660	2·632	2·616	2·616	2·614
	23	2·671	2·678	2·684	2·681	2·680	2·654	2·637	2·611	2·586	2·569	2·548	2·517
	24	2·757	2·769	2·773	2·765	2·752	2·752	2·736	2·726	2·725	2·724	2·736	2·734
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	2·390	2·380	2·350	2·341	2·335	2·340	2·326	2·327	2·323	2·333	2·345	2·333
	27	2·511	2·511	2·517	2·504	2·497	2·468	2·439	2·457	2·446	2·424	2·413	2·402
	28	2·262	2·252	2·242	2·269	2·230	2·267	2·207	2·193	2·208	2·186	2·179	2·096
	29	2·662	2·685	2·718	2·732	2·756	2·756	2·757	2·765	2·773	2·793	2·798	2·802
	30	2·971	2·993	3·008	3·012	3·001	2·998	2·979	2·963	2·941	2·929	2·915	2·897
	31	2·932	2·946	2·957	2·946	2·941	2·938	2·917	2·888	2·870	2·855	2·850	2·829
	32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		2·6587	2·6649	2·6678	2·6695	2·6677	2·6609	2·6459	2·6366	2·6227	2·6123	2·6054	2·6035
JUNE.	2	2·648	2·652	2·650	2·654	2·645	2·640	2·636	2·603	2·594	2·585	2·579	2·582
	3	2·632	2·640	2·652	2·661	2·656	2·652	2·651	2·626	2·621	2·616	2·603	2·593
	4	2·672	2·671	2·669	2·657	2·657	2·650	2·627	2·605	2·589	2·554	2·528	2·529
	5	2·588	2·612	2·630	2·655	2·682	2·711	2·713	2·719	2·719	2·713	2·720	2·726
	6	2·817	2·831	2·831	2·835	2·825	2·825	2·819	2·816	2·813	2·787	2·791	2·769
	7	2·727	2·749	2·749	2·741	2·739	2·723	2·701	2·702	2·689	2·664	2·629	2·621
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	2·574	2·579	2·593	2·604	2·599	2·592	2·596	2·594	2·583	2·573	2·571	2·568
	10	2·713	2·715	2·710	2·715	2·712	2·696	2·675	2·662	2·632	2·624	2·602	2·598
	11	2·517	2·557	2·567	2·571	2·573	2·578	2·583	2·576	2·562	2·568	2·559	2·561
	12	2·284	2·276	2·256	2·266	2·222	2·240	2·205	2·213	2·213	2·217	2·209	2·182
	13	2·393	2·401	2·437	2·445	2·432	2·416	2·415	2·423	2·396	2·398	2·395	2·394
	14	2·517	2·538	2·548	2·556	2·566	2·572	2·575	2·585	2·605	2·620	2·637	2·655
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	2·631	2·623	2·649	2·650	2·642	2·630	2·648	2·623	2·613	2·585	2·601	2·581
	17	2·760	2·762	2·768	2·767	2·777	2·777	2·777	2·777	2·779	2·773	2·782	2·788
	18	2·867	2·871	2·875	2·869	2·867	2·862	2·840	2·837	2·819	2·808	2·786	2·771
	19	2·838	2·848	2·859	2·858	2·870	2·875	2·868	2·857	2·849	2·855	2·847	2·847
	20	2·791	2·777	2·763	2·759	2·737	2·718	2·691	2·681	2·656	2·635	2·621	2·602
	21	2·520	2·536	2·546	2·554	2·577	2·581	2·579	2·571	2·568	2·562	2·562	2·560
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	2·415	2·421	2·430	2·425	2·418	2·408	2·399	2·392	2·401	2·404	2·411	2·421
	24	2·428	2·420	2·443	2·430	2·428	2·417	2·376	2·359	2·398	2·380	2·392	2·394
	25	2·641	2·661	2·661	2·671	2·662	2·662	2·657	2·656	2·657	2·638	2·626	2·625
	26	2·662	2·668	2·662	2·661	2·666	2·651	2·625	2·620	2·616	2·603	2·597	2·597
	27	2·694	2·708	2·716	2·717	2·707	2·696	2·677	2·661	2·639	2·628	2·610	2·612
	28	2·542	2·548	2·522	2·476	2·460	2·451	2·450	2·438	2·414	2·416	2·398	2·396
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	2·541	2·557	2·560	2·570	2·596	2·614	2·614	2·623	2·625	2·633	2·631	2·633
Hourly Means		2·6165	2·6248	2·6298	2·6307	2·6286	2·6255	2·6150	2·6088	2·6020	2·5936	2·5875	2·5871

8	9	10	11
2	3	4	5
2·496	2·464	2·461	2·492
2·654	2·643	2·633	2·620
2·538	2·524	2·526	2·516
—	—	—	—
2·761	2·749	2·718	2·736
2·477	2·441	2·398	2·374
2·514	2·539	2·550	2·549
2·788	2·770	2·763	2·748
2·837	2·843	2·852	2·870
2·843	2·815	2·804	2·790
—	—	—	—
2·651	2·632	2·623	2·604
2·547	2·525	2·510	2·506
2·348	2·328	2·322	2·287
2·598	2·600	2·606	2·621
2·808	2·794	2·779	2·771
2·698	2·682	2·665	2·657
—	—	—	—
2·406	2·428	2·422	2·406
2·600	2·594	2·584	2·591
2·744	2·733	2·719	2·711
2·632	2·616	2·616	2·612
2·586	2·569	2·548	2·517
2·725	2·724	2·736	2·734
—	—	—	—
2·323	2·333	2·345	2·335
2·446	2·424	2·413	2·402
2·208	2·186	2·179	2·206
2·773	2·793	2·798	2·802
2·941	2·929	2·915	2·907
2·870	2·855	2·850	2·825
—	—	—	—
2·6227	2·6123	2·6054	2·6035
2·594	2·585	2·579	2·580
2·621	2·616	2·603	2·593
2.589	2·554	2·528	2·520
2·719	2·713	2·720	2·726
2·813	2·787	2·791	2·769
2·689	2·664	2·629	2·625
—	—	—	—
2·583	2·573	2·571	2·568
2·632	2·624	2·602	2·606
2·502	2·568	2·559	2·561
2·213	2·217	2·209	2·182
2·396	2·398	2·395	2·394
2·605	2·620	2·637	2·653
—	—	—	—
2·613	2·585	2·601	2·581
2·779	2·773	2·782	2·788
2·819	2·808	2·786	2·771
2·849	2·855	2·847	2·837
2·656	2·635	2·621	2·602
2·568	2·562	2·562	2·560
—	—	—	—
2·401	2·404	2·411	2·421
2·398	2·380	2·392	2·394
2·657	2·638	2·626	2·622
2·616	2·603	2·597	2·587
2·639	2·628	2·610	2·613
2·414	2·416	2·398	2·398
—	—	—	—
2·625	2·633	2·631	2·631
2·6020	2·5936	2·5875	2·5870

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
2·498	2·489	2·503	2·520	2·524	2·524	2·515	2·501	2·499	2·558	2·584	2·621	2·5282
2·600	2·597	2·624	2·646	2·647	2·645	2·646	2·638	2·637	2·648	2·658	2·665	2·6560
2·518	2·528	2·538	2·542	2·536	2·533	—	—	—	—	—	—	
—	—	—	—	—	—	2·674	2·681	2·704	2·747	2·779	2·800	2·6144
2·734	2·734	2·756	2·768	2·768	2·755	2·745	2·740	2·728	2·710	2·696	2·705	2·7688
2·350	2·361	2·344	2·350	2·333	2·325	2·309	2·303	2·286	2·262	2·262	2·287	2·4352
2·606	2·655	2·725	2·717	2·730	2·747	2·765	2·780	2·797	2·806	2·824	2·844	2·6009
2·718	2·722	2·711	2·731	2·742	2·717	2·718	2·710	2·692	2·692	2·692	2·718	2·7697
2·871	2·885	2·897	2·910	2·901	2·916	2·904	2·908	2·908	2·910	2·911	2·927	2·8583
2·773	2·783	2·721	2·766	2·766	2·767	—	—	—	—	—	—	
—	—	—	—	—	—	2·695	2·671	2·678	2·672	2·675	2·693	2·7090
2·608	2·608	2·616	2·626	2·631	2·639	2·633	2·621	2·619	2·616	2·623	2·634	2·6517
2·519	2·486	2·491	2·482	2·475	2·479	2·467	2·454	2·447	2·426	2·406	2·406	2·5241
2·278	2·298	2·309	2·298	2·284	2·284	2·270	2·264	2·294	2·320	2·349	2·434	2·3335
2·639	2·668	2·691	2·718	2·737	2·742	2·763	2·769	2·781	2·794	2·795	2·816	2·6515
2·763	2·763	2·765	2·776	2·776	2·784	2·785	2·777	2·783	2·779	2·772	2·779	2·8004
2·634	2·636	2·630	2·639	2·631	2·631	—	—	—	—	—	—	
—	—	—	—	—	—	2·388	2·396	2·404	2·397	2·401	2·434	2·6313
2·416	2·410	2·470	2·442	2·483	2·483	2·484	2·494	2·510	2·521	2·541	2·556	2·4619
2·615	2·635	2·656	2·686	2·699	2·709	2·704	2·707	2·709	2·720	2·735	2·752	2·6458
2·716	2·710	2·716	2·730	2·726	2·726	2·722	2·720	2·697	2·694	2·689	2·694	2·7353
2·608	2·617	2·617	2·613	2·613	2·618	2·618	2·630	2·630	2·634	2·637	2·663	2·6375
2·527	2·546	2·567	2·597	2·604	2·637	2·644	2·669	2·712	2·722	2·739	2·753	2·6347
2·744	2·744	2·746	2·762	2·768	2·777	—	—	—	—	—	—	
—	—	—	—	—	—	2·502	2·496	2·462	2·431	2·426	2·398	2·6752
2·382	2·385	2·415	2·429	2·442	2·452	2·461	2·461	2·466	2·473	2·488	2·498	2·3057
2·394	2·378	2·372	2·379	2·368	2·364	2·349	—	—	—	2·262	2·269	2·4154
2·249	2·272	2·316	2·377	2·395	2·448	2·489	2·510	2·552	2·583	2·591	2·639	2·3384
2·825	2·829	2·841	2·861	2·882	2·883	2·874	2·891	2·899	2·914	2·932	2·952	2·8158
2·894	2·895	2·900	2·901	2·896	2·891	2·892	2·898	2·899	2·899	2·911	2·932	2·9340
2·814	2·811	2·813	2·817	2·818	2·818	—	—	—	—	—	—	
—	—	—	—	—	—	2·642	2·644	2·637	2·639	2·648	2·648	2·8172
2·6042	2·6091	5·6204	2·6327	2·6361	2·6405	2·6173	2·6282	2·6319	2·6372	2·6306	2·6488	2·6355
2·576	2·583	2·583	2·596	2·592	2·585	2·579	2·581	2·584	2·584	2·605	2·624	2·6058
2·596	2·602	2·608	2·631	2·631	2·637	2·639	2·648	2·650	2·667	2·667	2·673	2·6356
2·503	2·488	2·472	2·495	2·497	2·471	2·461	2·447	2·455	2·474	2·498	2·556	2·5510
2·743	2·744	2·750	2·773	2·780	2·795	2·785	2·782	2·774	2·784	2·795	2·808	2·7292
2·745	2·739	2·742	2·748	2·744	2·742	2·737	2·723	2·728	2·729	2·737	2·745	2.7757
2·597	2·583	2·583	2·566	2·570	2·564	—	—	—	—	—	—	
—	—	—	—	—	—	2·433	2·447	2·467	2·489	2·509	2·548	2·6162
2·372	2·589	2·590	2·616	2·635	2·655	2·657	2·661	2·666	2·670	2·679	2·699	2·6131
2·390	2·566	2·557	2·546	2·525	2·497	2·471	2·473	2·418	2·450	2·465	2·495	2·5877
2·535	2·513	2·499	2·482	2·464	2·442	2·417	2·368	2·357	2·323	2·311	2·287	2·4904
2·202	2·205	2·216	2·241	2·241	2·264	2·272	2·284	2·304	2·323	2·345	2·369	2·2520
2·390	2·417	2·421	2·424	2·420	2·452	2·459	2·457	2·457	2·465	2·467	2·509	2·4285
2·680	2·694	2·727	2·749	2·763	2·779	—	—	—	—	—	—	
—	—	—	—	—	—	2·496	2·528	2·552	2·572	2·578	2·605	2·6124
2·370	2·554	2·544	2·574	2·600	2·665	2·638	2·667	2·685	2·684	2·694	2·720	2·6280
2·800	2·795	2·810	2·823	2·821	2·822	2·822	2·818	2·829	2·834	2·841	2·852	2·7981
2·769	2·772	2·778	2·794	2·794	2·791	2·793	2·806	2·807	2·807	2·809	2·826	2·8174
2·805	2·801	2·795	2·803	2·796	2·801	2·802	2·786	2·782	2·780	2·781	2·795	2·8237
2·581	2·575	2·565	2·573	2·569	2·552	2·534	2·552	2·546	2·533	2·528	2·528	2·6278
2·572	2·588	2·588	2·603	2·613	2·613	—	—	—	—	—	—	
—	—	—	—	—	—	2·399	2·385	2·382	2·374	2·385	2·396	2·5255
2·423	2·435	2·384	2·382	2·434	2·429	2·427	2·422	2·418	2·410	2·419	2·417	2·4144
2·406	2·416	2·442	2·463	2·484	2·498	2·527	2·540	2·559	2·573	2·600	2·628	2·4584
2·607	2·615	2·621	2·623	2·632	2·629	2·629	2·622	2·630	2·632	2·643	2·655	2·6397
2·576	2·590	2·598	2·613	2·624	2·625	2·631	2·627	2·624	2·629	2·662	2·680	2·6282
2·611	2·603	2·603	2·602	2·600	2·592	2·559	2·564	2·545	2·535	2·522	2·518	2·6216
2·398	2·380	2·380	2·378	2·372	2·360	—	—	—	—	—	—	
—	—	—	—	—	—	2·512	2·513	2·524	2·514	2·528	2·533	2·4544
2·633	2·637	2·631	2·635	2·628	2·620	2·609	2·586	2·584	2·577	2·577	2·587	2·6041
2·5792	2·5794	2·5795	2·5803	2·5931	2·5952	2·5715	2·5715	2·5731	2·5765	2·5858	2·6021	2·5976

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English inches + the numbers in the Table.

Hours of Mean Göttingen Time.		0	1	2	3	4	5	6	7	8	9	10	11
Hours of Mean Toronto Time.		18	19	20	21	22	23	0	1	2	3	4	5
JULY.	1	2·586	2·577	2·564	2·562	2·539	2·508	2·486	2·464	2·434	2·456	2·416	2·392
	2	2·383	2·391	2·392	2·428	2·420	2·418	2·418	2·406	2·400	2·405	2·399	2·381
	3	2·472	2·477	2·483	2·490	2·501	2·503	2·502	2·498	2·494	2·499	2·511	2·513
	4	2·635	2·645	2·646	2·664	2·671	2·673	2·684	2·667	2·665	2·662	2·651	2·649
	5	2·747	2·765	2·759	2·757	2·755	2·752	2·743	2·735	2·718	2·709	2·696	2·669
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	2·559	2·543	2·529	2·527	2·523	2·523	2·510	2·530	2·543	2·547	2·558	2·564
	8	2·643	2·643	2·650	2·631	2·634	2·624	2·611	2·612	2·609	2·596	2·572	2·574
	9	2·755	2·769	2·773	2·783	2·798	2·798	2·784	2·781	2·767	2·755	2·730	2·714
	10	2·778	2·774	2·783	2·779	2·777	2·772	2·753	2·740	2·717	2·702	2·691	2·677
	11	2·634	2·647	2·659	2·646	2·635	2·634	2·609	2·602	2·588	2·578	2·558	2·538
	12	2·516	2·498	2·492	2·482	2·429	2·422	2·404	2·393	2·380	2·355	2·345	2·347
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	2·371	2·381	2·379	2·377	2·376	2·365	2·371	2·363	2·358	2·346	2·335	2·331
	15	2·360	2·391	2·410	2·429	2·440	2·444	2·443	2·440	2·428	2·427	2·410	2·417
	16	2·451	2·456	2·462	2·450	2·456	2·438	2·422	2·411	2·398	2·373	2·357	2·344
	17	2·241	2·267	2·289	2·317	2·340	2·348	2·363	2·366	2·376	2·390	2·396	2·413
	18	2·649	2·665	2·685	2·698	2·710	2·715	2·711	2·706	2·703	2·704	2·690	2·684
	19	2·724	2·720	2·725	2·733	2·723	2·721	2·700	2·705	2·691	2·678	2·663	2·655
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	2·472	2·475	2·473	2·462	2·460	2·437	2·409	2·391	2·364	2·337	2·328	2·287
	22	2·438	2·444	2·444	2·439	2·425	2·422	2·414	2·404	2·412	2·422	2·442	2·449
	23	2·541	2·553	2·559	2·569	2·571	2·565	2·565	2·573	2·569	2·575	2·579	2·595
	24	2·611	2·619	2·615	2·620	2·638	2·628	2·613	2·583	2·573	2·568	2·567	2·562
	25	2·551	2·553	2·548	2·545	2·544	2·529	2·510	2·508	2·488	2·469	2·463	2·440
	26	2·432	2·437	2·430	2·425	2·421	2·416	2·408	2·393	2·371	2·358	2·352	2·342
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	2·432	2·458	2·462	2·459	2·454	2·452	2·452	2·440	2·423	2·423	2·407	2·412
	29	2·319	2·324	2·316	2·278	2·250	2·228	2·200	2·178	2·162	2·138	2·133	2·117
	30	2·172	2·196	2·229	2·252	2·275	2·305	2·324	2·326	2·356	2·361	2·369	2·384
	31	2·514	2·528	2·548	2·564	2·578	2·576	2·589	2·589	2·586	2·594	2·598	2·607
Hourly Means		2·5180	2·5258	2·5298	2·5321	2·5312	2·5265	2·5184	2·5113	2·5027	2·4973	2·4895	2·4838
AUGUST.	1	2·730	2·748	2·766	2·772	2·791	2·797	2·780	2·772	2·761	2·767	2·767	2·769
	2	2·891	2·900	2·906	2·910	2·917	2·916	2·909	2·897	2·862	2·860	2·841	2·841
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	2·796	2·807	2·801	2·794	2·801	2·796	2·770	2·761	2·753	2·738	2·730	2·719
	5	2·752	2·762	2·761	2·765	2·762	2·755	2·741	2·708	2·694	2·679	2·666	2·659
	6	2·654	2·662	2·660	2·657	2·668	2·672	2·661	2·652	2·636	2·620	2·604	2·596
	7	2·635	2·642	2·646	2·642	2·652	2·657	2·638	2·632	2·610	2·597	2·583	2·567
	8	2·623	2·645	2·658	2·667	2·677	2·682	2·674	2·653	2·640	2·617	2·615	2·622
	9	2·664	2·664	2·664	2·661	2·660	2·658	2·652	2·644	2·631	2·615	2·615	2·592
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	2·299	2·308	2·312	2·324	2·330	2·316	2·302	2·302	2·305	2·295	2·293	2·301
	12	2·454	2·472	2·480	2·489	2·487	2·483	2·482	2·478	2·466	2·463	2·471	2·479
	13	2·563	2·565	2·566	2·567	2·573	2·559	2·544	2·528	2·522	2·516	2·506	2·503
	14	2·685	2·699	2·716	2·718	2·726	2·722	2·718	2·716	2·710	2·703	2·700	2·704
	15	2·746	2·738	2·743	2·747	2·749	2·738	2·736	2·723	2·719	2·707	2·697	2·683
	16	2·675	2·691	2·701	2·707	2·713	2·715	2·717	2·708	2·698	2·691	2·684	2·683
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	2·477	2·483	2·486	2·490	2·493	2·486	2·497	2·497	2·501	2·506	2·514	2·525
	19	2·678	2·695	2·709	2·721	2·729	2·704	2·716	2·717	2·700	2·691	2·691	2·685
	20	2·647	2·655	2·655	2·641	2·644	2·634	2·624	2·605	2·578	2·571	2·570	2·570
	21	2·558	2·556	2·548	2·545	2·544	2·542	2·541	2·541	2·535	2·527	2·527	2·515
	22	2·633	2·642	2·652	2·659	2·669	2·663	2·658	2·638	2·631	2·614	2·603	2·603
	23	2·628	2·641	2·646	2·640	2·635	2·641	2·640	2·637	2·621	2·611	2·597	2·594
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	2·717	2·722	2·736	2·737	2·733	2·704	2·689	2·661	2·647	2·617	2·618	2·598
	26	2·645	2·653	2·664	2·662	2·662	2·665	2·659	2·646	2·640	2·624	2·620	2·618
	27	2·509	2·575	2·547	2·549	2·576	2·576	2·588	2·596	2·596	2·598	2·594	2·630
	28	2·834	2·840	2·849	2·873	2·890	2·897	2·895	2·898	2·888	2·862	2·847	2·843
	29	2·745	2·743	2·709	2·689	2·674	2·656	2·634	2·621	2·584	2·553	2·535	2·517
	30	2·461	2·467	2·479	2·486	2·484	2·472	2·480	2·471	2·468	2·413	2·474	2·477
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		2·6423	2·6529	2·6562	2·6582	2·6630	2·6579	2·6517	2·6424	2·6306	2·6175	2·6139	2·6104

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English inches + the numbers in the Table.

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
2·434	2·456	2·416	2·382	2·386	2·383	2·381	2·367	2·349	2·343	2·339	2·335	2·335	2·337	2·337	2·349	2·4256
2·400	2·405	2·399	2·381	2·387	2·399	2·390	2·404	2·404	2·421	2·429	2·424	2·432	2·434	2·446	2·451	2·4105
2·494	2·499	2·511	2·511	2·517	2·533	2·553	2·572	2·583	2·598	2·588	2·584	2·581	2·587	2·599	2·621	2·5358
2·665	2·662	2·651	2·649	2·655	2·665	2·665	2·679	2·687	2·679	2·676	2·698	2·705	2·718	2·731	2·737	2·6753
2·718	2·709	2·696	2·669	2·665	2·670	2·672	2·681	2·693	2·697	—	—	—	—	—	—	2·6806
—	—	—	—	—	—	—	—	—	—	2·590	2·588	2·576	2·564	2·568	2·564	
2·543	2·547	2·558	2·564	2·565	2·586	2·602	2·612	2·616	2·609	2·611	2·620	2·613	2·624	2·615	2·641	2·5737
2·609	2·596	2·572	2·574	2·573	2·579	2·594	2·624	2·636	2·645	2·669	2·694	2·714	2·717	2·734	2·750	2·6387
2·767	2·755	2·730	2·714	2·711	2·709	2·697	2·712	2·711	2·715	2·719	2·738	2·748	2·756	2·742	2·769	2·7473
2·717	2·702	2·691	2·677	2·663	2·647	2·677	2·684	2·686	2·681	2·673	2·657	2·656	2·640	2·641	2·633	2·7031
2·588	2·578	2·558	2·530	2·541	2·531	2·527	2·534	2·527	2·528	2·516	2·508	2·505	2·501	2·497	2·503	2·5645
2·380	2·355	2·345	2·341	2·344	2·341	2·339	2·340	2·345	2·359	—	—	—	—	—	—	2·3802
—	—	—	—	—	—	—	—	—	—	2·307	2·317	2·328	2·329	2·341	2·371	
2·358	2·346	2·335	2·331	2·335	2·341	2·337	2·358	2·357	2·351	2·342	2·352	2·358	2·352	2·357	2·362	2·3565
2·428	2·427	2·410	2·412	2·421	2·421	2·414	2·430	2·432	2·428	2·448	2·445	2·447	2·465	2·450	2·455	2·4200
2·398	2·373	2·357	2·344	2·340	2·344	2·356	2·351	2·332	2·321	2·306	2·272	2·254	2·231	2·223	2·220	2·3570
2·376	2·390	2·396	2·413	2·427	2·441	2·454	2·479	2·523	2·542	2·552	2·568	2·585	2·595	2·608	2·630	2·4379
2·703	2·704	2·690	2·684	2·690	2·690	2·698	2·689	2·685	2·709	2·710	2·716	2·711	2·711	2·701	2·715	2·6977
2·691	2·678	2·663	2·655	2·651	2·647	2·637	2·662	2·650	2·630	—	—	—	—	—	—	2·6212
—	—	—	—	—	—	—	—	—	—	2·415	2·417	2·427	2·431	2·427	2·478	
2·364	2·337	2·328	2·287	2·345	2·335	2·337	2·373	2·369	2·378	2·381	2·398	2·406	2·404	2·414	2·430	2·3944
2·412	2·422	2·442	2·448	2·460	2·476	2·485	2·508	2·510	2·511	2·501	2·508	2·506	2·503	2·513	2·529	2·4652
2·569	2·575	2·579	2·596	2·599	2·603	2·605	2·622	2·622	2·614	2·608	2·604	2·605	2·585	2·592	2·605	2·5866
2·573	2·568	2·567	2·562	2·564	2·564	2·570	2·572	2·570	2·564	2·555	2·552	2·553	2·543	2·537	2·547	2·5787
2·488	2·469	2·463	2·459	2·455	2·455	2·457	2·463	2·459	2·459	2·452	2·455	2·445	2·441	2·443	2·435	2·4827
2·371	2·358	2·352	2·342	2·346	2·346	2·360	2·368	2·366	2·357	—	—	—	—	—	—	2·3937
—	—	—	—	—	—	—	—	—	—	2·428	2·428	2·420	2·414	2·414	2·418	
2·423	2·423	2·407	2·419	2·414	2·416	2·417	2·419	2·410	2·412	2·411	2·411	2·402	2·381	2·365	2·329	2·4192
2·162*	2·138	2·133	2·117	2·111	2·121	2·123	2·113	2·101	2·115	2·115	2·117	2·117	2·113	2·127	2·147	2·1693
2·356	2·361	2·369	2·384	2·400	2·416	2·440	2·460	2·465	2·477	2·468	2·470	2·467	2·472	2·478	2·508	2·3779
2·586	2·594	2·598	2·607	2·608	2·620	2·630	2·644	2·651	2·659	2·671	2·687	2·692	2·696	2·706	2·723	2·6191
2·5027	2·4973	2·4895	2·4830	2·4879	2·4915	2·4969	2·5081	2·5089	2·5111	2·4993	2·5023	2·5033	2·5016	2·5039	2·5156	2·5082
2·761	2·767	2·767	2·769	2·791	2·791	2·813	2·825	2·832	2·842	2·846	2·861	2·851	2·861	2·868	2·876	2·8028
2·862	2·860	2·841	2·841	2·845	2·855	2·861	2·867	2·872	2·864	—	—	—	—	—	—	2·8546
—	—	—	—	—	—	—	—	—	—	2·795	2·790	2·778	2·776	2·776	2·782	
2·753	2·738	2·730	2·719	2·713	2·711	2·713	2·732	2·753	2·746	2·747	2·745	2·740	2·738	2·732	2·739	2·7531
2·694	2·679	2·666	2·659	2·658	2·662	2·663	2·664	2·659	2·655	2·655	2·660	2·651	2·642	2·643	2·655	2·6905
2·636	2·620	2·604	2·595	2·599	2·603	2·602	2·616	2·620	2·623	2·618	2·629	2·628	2·625	2·633	2·628	2·6319
2·610	2·597	2·583	2·567	2·582	2·582	2·588	2·604	2·604	2·604	2·600	2·595	2·607	2·601	2·602	2·595	2·6110
2·640	2·617	2·615	2·602	2·622	2·616	2·637	2·643	2·636	2·642	2·651	2·647	2·643	2·645	2·643	2·647	2·6435
2·631	2·615	2·615	2·582	2·578	2·584	2·593	2·591	2·581	2·581	—	—	—	—	—	—	2·5437
—	—	—	—	—	—	—	—	—	—	2·328	2·314	2·306	2·300	2·294	2·289	
2·305	2·295	2·293	2·301	2·318	2·347	2·360	2·369	2·372	2·370	2·367	2·383	2·394	2·395	2·397	2·424	2·3409
2·466	2·463	2·471	2·479	2·492	2·497	2·510	2·520	2·532	2·533	2·544	2·550	2·554	2·548	2·544	2·557	2·5035
2·522	2·516	2·506	2·503	2·497	2·510	2·538	2·552	2·558	2·580	2·582	2·587	2·605	2·616	2·636	2·673	2·5602
2·710	2·703	2·700	2·704	2·706	2·709	2·715	2·726	2·727	2·725	2·727	2·719	2·721	2·721	2·736	2·732	2·7159
2·719	2·707	2·697	2·693	2·660	2·658	2·665	2·675	2·672	2·667	2·663	2·654	2·654	2·654	2·657	2·661	2·6941
2·698	2·691	2·684	2·683	2·681	2·681	2·696	2·705	2·715	2·717	—	—	—	—	—	—	2·6461
—	—	—	—	—	—	—	—	—	—	2·524	2·507	2·483	2·472	2·468	2·475	
2·501	2·506	2·514	2·535	2·542	2·554	2·574	2·594	2·594	2·622	2·632	2·637	2·641	2·643	2·647	2·667	2·5543
2·700	2·691	2·691	2·695	2·675	2·663	2·665	2·662	2·658	2·662	2·658	2·644	2·635	2·631	2·647	2·642	2·6783
2·578	2·571	2·570	2·574	2·570	2·547	2·547	2·556	2·556	2·554	2·550	2·541	2·543	2·540	2·538	2·538	2·5824
2·535	2·527	2·527	2·515	2·522	2·533	2·551	2·571	2·572	2·577	2·584	2·586	2·586	2·591	2·593	2·614	2·5566
2·631	2·614	2·603	2·603	2·609	2·609	2·621	2·609	2·614	2·620	2·623	2·605	2·608	2·598	2·591	2·604	2·6240
2·621	2·611	2·597	2·594	2·603	2·609	2·632	2·652	2·667	2·675	—	—	—	—	—	—	2·6488
—	—	—	—	—	—	—	—	—	—	2·713	2·705	2·687	2·688	2·692	2·717	
2·647	2·617	2·618	2·586	2·572	2·552	2·552	2·569	2·577	2·585	2·593	2·603	2·596	2·599	2·606	2·620	2·6330
2·640	2·624	2·620	2·618	2·608	2·590	2·590	2·597	2·589	2·574	2·561	2·539	2·524	2·526	2·519	2·517	2·6038
2·596	2·598	2·594	2·630	2·638	2·664	2·680	2·710	2·714	2·718	2·736	2·748	2·753	2·758	2·767	2·793	2·6501
2·888	2·862	2·847	2·843	2·835	2·827	2·840	2·826	2·815	2·813	2·803	2·769	2·759	2·747	2·749	2·733	2·8301
2·584	2·553	2·535	2·517	2·514	2·512	2·506	2·533	2·494	2·494	2·490	2·486	2·470	2·460	2·454	2·457	2·5637
2·468	2·413	2·474	2·477	2·493	2·508	2·541	2·551	2·553	2·560	—	—	—	—	—	—	2·5153
—	—	—	—	—	—	—	—	—	—	2·610	2·595	2·582	2·575	2·591	2·575	
2·6306	2·6175	2·6139	2·6106	2·6124	2·6144	2·6251	2·6353	2·6360	2·3386	2·6231	2·6192	2·6153	2·6135	2·6159	2·6235	2·6320

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English inches + the numbers in the Table.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
SEPTEMBER.	1	2·580	2·581	2·593	2·579	2·559	2·537	2·519	2·495	2·461	2·425	2·425	2·420
	2	2·263	2·271	2·268	2·263	2·272	2·260	2·246	2·224	2·221	2·205	2·205	2·206
	3	2·233	2·259	2·276	2·282	2·277	2·278	2·275	2·273	2·267	2·258	2·252	2·260
	4	2·314	2·314	2·306	2·305	2·310	2·302	2·294	2·293	2·304	2·321	2·341	2·372
	5	2·515	2·525	2·531	2·547	2·549	2·539	2·527	2·520	2·537	2·531	2·526	2·536
	6	2·682	2·694	2·692	2·698	2·686	2·668	2·652	2·627	2·601	2·550	2·554	2·514
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	2·709	2·733	2·743	2·755	2·776	2·783	2·779	2·775	2·765	2·757	2·755	2·746
	9	2·486	2·520	2·464	2·492	2·496	2·502	2·509	2·488	2·502	2·501	2·507	2·531
	10	2·640	2·644	2·642	2·643	2·639	2·642	2·644	2·646	2·655	2·658	2·684	2·710
	11	2·833	2·840	2·848	2·877	2·879	2·866	2·860	2·847	2·842	2·837	2·844	2·857
	12	3·000	3·014	3·022	3·023	3·022	3·025	3·011	3·001	2·958	2·950	2·965	2·999
	13	2·777	2·758	2·726	2·696	2·668	2·642	2·620	2·582	2·545	2·475	2·417	2·352
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	2·457	2·451	2·443	2·446	2·469	2·473	2·471	2·466	2·468	2·475	2·502	2·538
	16	2·781	2·801	2·817	2·839	2·846	2·849	2·851	2·833	2·821	2·806	2·794	2·794
	17	2·802	2·805	2·799	2·781	2·753	2·724	2·698	2·657	2·614	2·584	2·574	2·539
	18	2·439	2·435	2·431	2·427	2·439	2·427	2·401	2·408	2·412	2·409	2·427	2·432
	19	2·614	2·622	2·628	2·609	2·621	2·608	2·596	2·584	2·558	2·542	2·521	2·505
	20	2·385	2·312	2·312	2·288	2.262	2·232	2·222	2·190	2·151	2·190	2·204	2·224
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	2·696	2·716	2·726	2·742	2·719	2·723	2·728	2·702	2·681	2·667	2·667	2·661
	23	2·514	2·494	2·470	2·464	2·437	2·407	2·387	2·364	2·358	2·342	2·340	2·357
	24	2·502	2·530	2·552	2·598	2·625	2·645	2·665	2·680	2·695	2·713	2·733	2·731
	25	2·748	2·745	2·742	2·748	2·736	2·709	2·687	2·676	2·656	2·642	2·631	2·631
	26	2·533	2·533	2·525	2·515	2·503	2·487	2·487	2·461	2·444	2·446	2·473	2·495
	27	2·721	2·727	2·745	2·781	2·791	2·795	2·788	2·782	2·777	2·774	2·775	2·773
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	2·626	2·632	2·631	2·625	2·609	2·539	2·530	2·554	2·528	2·528	2·510	2·495
	30	2·348	2·326	2·328	2·320	2·310	2·307	2·294	2·273	2·259	2·251	2·221	2·226
Hourly Means		2·5845	2·5878	2·5869	2·5899	2·5867	2·5757	2·5670	2·5539	2·5415	2·5322	2·5326	2·5318
OCTOBER.	1	2·302	2·313	2·318	2·331	2·335	2·339	2·347	2·347	2·349	2·371	2·389	2·427
	2	2·674	2·698	2·702	2·718	2·730	2·717	2·703	2·682	2·671	2·647	2·647	2·642
	3	2·719	2·753	2·777	2·809	2·823	2·845	2·863	2·863	2·863	2·866	2·872	2·865
	4	2·826	2·804	2·785	2·756	2·737	2·715	2·685	2·653	2·622	2·596	2·581	2·547
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	2·924	2·944	2·960	2·960	2·965	2·951	2·945	2·905	2·901	2·890	2·901	2·853
	7	2·800	2·816	2·802	2·791	2·802	2·791	2·786	2·768	2·750	2·766	2·750	2·746
	8	2·768	2·774	2·764	2·763	2·754	2·738	2·711	2·670	2·645	2·621	2·601	2·577
	9	2·414	2·414	2·424	2·445	2·464	2·509	2·523	2·536	2·548	2·559	2·578	2·591
	10	2·581	2·571	2·583	2·562	2·561	2·537	2·516	2·488	2·466	2·450	2·439	2·414
	11	2·434	2·450	2·468	2·469	2·473	2·479	2·475	2·463	2·463	2·459	2·459	2·439
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	2·700	2·726	2·750	2·764	2·767	2·772	2·779	2·779	2·744	2·757	2·765	2·750
	14	2·746	2·784	2·796	2·834	2·844	2·848	2·854	2·876	2·884	2·894	2·907	2·911
	15	3·030	3·048	3·054	3·072	3·070	3·078	3·074	3·074	3·067	3·085	3·095	3·102
	16	3·177	3·189	3·206	3·209	3·200	3·186	3·170	3·127	3·102	3·074	3·060	3·061
	17	3·004	3·011	3·010	3·011	3·007	2·993	2·960	2·938	2·910	2·898	2·876	2·885
	18	2·858	2·886	2·886	2·873	2·857	2·838	2·814	2·784	2·762	2·762	2·704	2·687
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	2·919	2·938	2·959	2·961	2·957	2·949	2·939	2·936	2·930	2·944	2·961	2·954
	21	3·148	3·158	3·164	3·205	3·213	3·223	3·215	3·203	3·209	3·209	3·209	3·209
	22	3·233	3·233	3·239	3·242	3·240	3·227	3·198	3·182	3·166	3·137	3·129	3·107
	23	3·012	3·017	3·011	3·015	3·008	2·978	2·953	2·930	2·897	2·888	2·878	2·888
	24	2·885	2·901	2·907	2·915	2·912	2·907	2·898	2·890	2·892	2·900	2·903	2·904
	25	2·959	2·981	2·981	2·985	2·989	2·992	2·953	2·951	2·943	2·943	2·941	2·941
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	2·907	2·907	2·917	2·920	2·921	2·913	2·898	2·885	2·872	2·856	2·855	2·847
	28	2·883	2·889	2·893	2·893	2·892	2·884	2·858	2·841	2·821	2·812	2·804	2·788
	29	2·762	2·758	2·758	2·746	2·726	2·707	2·672	2·633	2·600	2·580	2·564	2·570
	30	2·589	2·605	2·619	2·638	2·644	2·644	2·644	2·645	2·649	2·665	2·686	2·706
	31	2·621	2·617	2·599	2·591	2·579	2·539	2·499	2·451	2·421	2·403	2·391	3·373
Hourly Means		2·8102	2·8217	2·8271	2·8325	2·8322	2·8259	2·8123	2·7963	2·7832	2·7790	2·7757	2·7726

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English Inches + the numbers in the Table.

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
2·461	2·425	2·425	2·420	2·401	2·395	2·417	2·414	2·392	2·360	2·308	2·290	—	—	—	—	2·4575
2·221	2·205	2·205	2·216	2·207	2·209	2·195	2·197	2·180	2·200	2·204	2·202	2·202	2·204	2·205	2·215	2·2222
2·267	2·258	2·252	2·265	2·298	2·311	2·324	2·340	2·346	2·349	2·320	2·333	2·337	2·318	2·310	2·310	2·2955
2·304	2·321	2·341	2·372	2·392	2·407	2·441	2·445	2·457	2·461	2·464	2·469	2·470	2·481	2·493	2·508	2·3860
2·537	2·551	2·526	2·559	2·551	2·569	2·593	2·611	2·617	2·631	2·638	2·657	2·670	2·656	2·651	2·675	2·5798
2·601	2·550	2·554	2·514	2·506	2·500	2·462	2·448	2·432	2·386	—	—	—	—	—	—	2·5945
—	—	—	—	—	—	—	—	—	—	2·625	2·640	2·646	2·654	2 669	2·682	
2·765	2·757	2·755	2·746	2·728	2·717	2·705	2·685	2·672	2·654	2·625	2·591	2·565	2·536	2·520	2·485	2·6900
2·502	2·501	2·507	2·531	2·539	2·551	2·569	2·571	2·576	2·578	2·591	2·584	2·594	2·595	2·601	2·632	2·5408
2·655	2·658	2·684	2·702	2·729	2·734	2·756	2·761	2·766	2·779	2·773	2·786	2·787	2·789	2·799	2·824	2·7134
2·842	2·837	2·844	2·857	2·863	2·877	2·893	2·910	2·922	2·924	2·942	2·943	2·943	2·949	2·952	2·982	2·8887
2·958	2·950	2·965	2·959	2·947	2·938	2·692	2·913	2·895	2·892	2·883	2·875	2·851	2·818	2·802	2·776	2·9361
2·545	2·475	2·417	2·357	2·320	2·298	2·300	2·296	2·300	2·313	—	—	—	—	—	—	2·4988
—	—	—	—	—	—	—	—	—	—	2·497	2·495	2·488	2·478	2·470	2·454	
2·468	2·475	2·502	2·538	2·563	2·572	2·606	2·622	2·628	2·642	2·643	2·663	2·664	2·670	2·705	2·737	2·5571
2·821	2·806	2·794	2·794	2·795	2·795	2·802	2·792	2·784	2·795	2·785	2·801	2·803	2·792	2·798	2·800	2·8072
2·614	2·584	2·574	2·539	2·521	2·509	2·509	2·512	2·500	2·498	2·500	2·480	2·452	2·442	2·434	2·438	2·5885
2·412	2·409	2·427	2·452	2·468	2·485	2·504	2·520	2·529	2·540	2·547	2·558	2·562	2·575	2·581	2·587	2·4818
2·558	2·542	2·521	2·525	2·510	2·522	2·527	2·514	2·486	2·458	2·443	2·429	2·399	2·391	2·383	2·355	2·5187
2·151	2·190	2·204	2·224	2·242	2·276	2·279	2·290	2·296	2·300	—	—	—	—	—	—	2·3545
—	—	—	—	—	—	—	—	—	—	2·619	2·627	2·636	2·646	2·656	2·669	
2·681	2·667	2·667	2·691	2·656	2·665	2·661	2·647	2·641	2·625	2·607	2·605	2·599	2·557	2·552	2·530	2·6572
2·358	2·342	2·340	2·327	2·334	2·342	2·344	2·357	2·365	2·357	2·359	2·359	2·375	2·393	2·425	2·468	2·3909
2·695	2·713	2·733	2·731	2·735	2·773	2·785	2·787	2·789	2·777	2·777	2·771	2·755	2·750	2·748	2·742	2·7039
2·656	2·642	2·631	2·631	2·621	2·631	2·632	2·624	2·620	2·614	2·603	2·585	2·575	2·562	2·558	2·542	2·6466
2·444	2·446	2·473	2·495	2·499	2·527	2·555	2·561	2·582	2·589	2·600	2·616	2·624	2·645	2·664	2·697	2·5438
2·777	2·774	2·775	2·773	2·769	2·777	2·781	2·764	2·767	2·765	—	—	—	—	—	—	2·7374
—	—	—	—	—	—	—	—	—	—	2·657	2·652	2·640	2·636	2·636	2·624	
2·528	2·528	2·510	2·495	2·481	2·474	2·466	2·461	2·451	2·441	2·427	2·429	2·405	2·391	2·380	2·363	2·4090
2·259	2·251	2·221	2·229	2·242	2·244	2·272	2·273	2·278	2·276	2·278	2·276	2·284	2·284	2·285	2·289	2·2815
2·5415	2·5322	2·5326	2·5335	2·5360	2·5422	2·5502	2·5506	2·5489	2·5463	2·5660	2·5660	2·5730	2·5685	2·5711	2·5754	2·5611
2·349	2·371	2·389	2·427	2·447	2·477	2·501	2·520	2·549	2·551	2·552	2·580	2·593	2·619	2·644	2·656	2·4524
2·671	2·647	2·647	2·647	2·639	2·655	2·651	2·651	2·641	2·641	2·637	2·628	2·622	2·636	2·636	2·679	2·6647
2·863	2·866	2·872	2·868	2·868	2·880	2·880	2·876	2·872	2·872	2·862	2·867	2·855	2·837	2·837	2·825	2·8438
2·622	2·596	2·581	2·542	2·543	2·521	2·493	2·490	2·466	2·466	—	—	—	—	—	—	2·6887
—	—	—	—	—	—	—	—	—	—	2·836	2·864	2·872	2·873	2·890	2·908	
2·901	2·890	2·901	2·873	2·882	2·890	2·898	2·906	2·879	2·863	2·839	2·832	2·819	2·813	2·801	2·790	2·8888
2·750	2·766	2·750	2·746	2·747	2·759	2·777	2·763	2·753	2·761	2·771	2·755	2·771	2·770	2·776	2·776	2·7728
2·645	2·621	2·601	2·577	2·540	2·512	2·492	2·452	2·426	2·410	2·396	2·386	2·374	2·368	2·364	2·374	2·5617
2·548	2·559	2·578	2·591	2·591	2·604	2·612	2·604	2·604	2·606	2·601	2·625	2·613	2·609	2·591	2·588	2·5522
2·466	2·450	2·439	2·424	2·396	2·390	2·384	2·379	2·379	2·367	2·363	2·360	2·364	2·368	2·370	2·404	2·4435
2·463	2·459	2·459	2·439	2·437	2·435	2·417	2·363	2·355	2·336	—	—	—	—	—	—	2·4768
—	—	—	—	—	—	—	—	—	—	2·536	2·554	2·576	2·609	2·633	2·661	
2·744	2·757	2·765	2·750	2·748	2·745	2·743	2·745	2·745	2·726	2·720	2·712	2·707	2·698	2·690	2·702	2·7389
2·884	2·894	2·907	2·911	2·930	2·948	2·943	2·958	2 954	2·962	2·971	2·973	2·975	2·978	2·991	3·006	2·9070
3·067	3·085	3·095	3·102	3·112	3·118	3·124	3·133	3·137	3·148	3·142	3·158	3·168	3·170	3·172	3·174	3·1085
3·102	3·074	3·060	3·081	3·033	3·020	3·014	3·020	3·036	3·037	3·027	3·018	3·009	3·004	3·004	3·004	3·0824
2·910	2·898	2·876	2·885	2·879	2·886	2·807	2·885	2·885	2·885	2·875	2·868	2·867	2·858	2·862	2·858	2·9170
2·762	2·762	2·704	2·665	2·692	2·685	2·677	2·653	2·633	2·625	—	—	—	—	—	—	2·7926
—	—	—	—	—	—	—	—	—	—	2·876	2·876	2·878	2·895	2·909	2·913	
2·930	2·944	2·961	2·994	3·014	3·040	3·057	3·078	3·101	3·098	3·099	3·102	3·110	3·111	3·121	3·148	3·0194
3·209	3·209	3·209	3·209	3·209	3·206	3·206	3·209	3·205	3·205	3·200	3·213	3·219	3·215	3·223	3·230	3·2044
3·166	3·137	3·129	3·107	3·108	3·094	3·098	3·090	3·091	3·065	3·056	3·052	3·026	3·018	3·014	3·015	3·1275
2·897	2·888	2·878	2·888	2·883	2·867	2·869	2·864	2·870	2·870	2·868	2·868	2·862	2·861	2·861	2·879	2·9155
2·892	2·900	2·903	2·904	2·917	2·919	2·929	2·936	2·937	2·938	2·916	2·947	2·945	2·939	2·949	2·949	2·9194
2·943	2·943	2·941	2·941	2·951	2·943	2·947	2·947	2·945	2·946	—	—	—	—	—	—	2·9375
—	—	—	—	—	—	—	—	—	—	2·878	2·878	2·869	2·873	2·873	2·891	
2·872	2·856	2·855	2·842	2·855	2·860	2·873	2·881	2·875	2·874	2·874	2·872	2·874	2·876	2·876	2·878	2·8819
2·821	2·812	2·804	2·788	2·800	2·832	2·801	2·803	2·801	2·800	2·795	2·793	2·794	2·788	2·787	2·775	2·8261
2·600	2·580	2·564	2·574	2·578	2·564	2·566	2·574	2·572	2·563	2·557	2·567	2·578	2·572	2·578	2·582	2·6221
2·649	2·665	2·686	2·708	2·717	2·717	2·724	2·724	2·718	2·696	2·691	2·681	2·669	2·657	2·651	2·631	2·6671
2·421	2·403	2·391	3·371	2·378	2·350	2·344	2·343	2·336	2·338	2·346	2·354	2·365	2·365	2·366	2·368	2·4307
2·7832	2·7790	2·7757	2·7715	2·7739	2·7747	2·7747	2·7721	2·7691	2·7648	2·7894	2·7920	2·7916	2·7919	2·7951	2·8024	2·7941

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English inches + the numbers in the Table.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
NOVEMBER.	1	2·394	2·396	2·395	2·375	2·357	2·341	2·321	2·305	2·283	2·286	2·294	2·302
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	2·079	2·081	2·085	2·078	2·082	2·082	2·087	2·094	2·109	2·139	2·162	2·178
	4	2 306	2·318	2·336	2·342	2·357	2·363	2·353	2·349	2·348	2·353	2·365	2·391
	5	2·279	2·275	2·275	2·277	2·267	2·267	2·259	2·267	2·263	2·283	2·287	2·295
	6	2·275	2·291	2·289	2·291	2·285	2·285	2·289	2·286	2·301	2·332	2·362	2·411
	7	2·619	2·637	2·637	2·621	2·619	2·605	2·575	2·557	2·534	2·524	2·510	2·496
	8	2·327	2·341	2·346	2·362	2·370	2·391	2·400	2·400	2·406	2·423	2·433	2·433
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	2·333	2·340	2·352	2·384	2·389	2·388	2·375	2·370	2·362	2·360	2·363	2·375
	11	2·483	2·501	2·527	2·551	2·567	2·567	2·555	2·555	2·559	2·579	2·591	2·613
	12	2·685	2·708	2·734	2·756	2·764	2·768	2·757	2·723	2·715	2·717	2·709	2·721
	13	2·690	2·688	2·690	2·675	2·658	2·618	2·578	2·537	2·510	2·499	2·468	2·468
	14	2·397	2·404	2·404	2·392	2·398	2·354	2·345	2·358	2·383	2·409	2·450	2·482
	15	2·674	2·699	2·717	2·721	2·732	2·714	2·675	2·657	2·611	2·597	2·589	2·551
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	2·504	2·508	2·522	2·528	2·536	2·530	2·513	2·503	2·503	2·499	2·505	2·511
	18	2·498	2·493	2·493	2·505	2·505	2·449	2·427	2·393	2·377	2·357	2·327	2·319
	19	2·283	2·300	2·314	2·315	2·322	2·326	2·318	2·312	2·317	2·325	2·327	2·345
	20	2·210	2·200	2·201	2·178	2·170	2·157	2·123	2·104	2·076	2·062	2·053	2·104
	21	2·254	2·274	2·305	2·316	2·324	2·328	2·324	2·314	2·330	2·354	2·378	2·406
	22	2·567	2·579	2·591	2·606	2·603	2·595	2·576	2·573	2·541	2·511	2·491	2·473
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	2·771	2·802	2·836	2·853	2·871	2·847	2·845	2·840	2·840	2·856	2·860	2·890
	25	2·757	2·729	2·691	2·661	2·671	2·670	2·663	2·666	2·679	2·699	2·723	2·746
	26	3·003	3·006	3·008	2·987	2·971	2·943	2·913	2·877	2·850	2·814	2·791	2·782
	27	2·458	2·463	2·450	2·447	2·447	2·441	2·432	2·412	2·412	2·437	2·451	2·477
	28	2·661	2·708	2·712	2·735	2·771	2·777	2·766	2·776	2·782	2·792	2·815	2·833
	29	3·044	3·062	3·098	3·112	3·126	3·129	3·107	3·097	3·080	3·084	3·082	3·079
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		2·5020	2·5121	2·5203	2·5227	2·5266	2·5174	2·5030	2·4930	2·4868	2·4916	2·4954	2·5022
DECEMBER.	1	2·770	2·755	2·729	2·670	2·658	2·634	2·603	2·563	2·538	2·530	2·551	2·546
	2	2·718	2·755	2·784	2·810	2·833	2·824	2·815	2·807	2·809	2·826	2·840	2·852
	3	2·960	2·962	2·971	2·957	2·963	2·949	2·926	2·898	2·882	2·868	2·840	2·828
	4	2·546	2·536	2·522	2·500	2·478	2·454	2·445	2·438	2·417	2·421	2·414	2·387
	5	2·346	2·366	2·388	2·412	2·424	2·442	2·454	2·488	2·505	2·523	2·548	2·554
	6	2·899	2·915	2·933	2·947	2·965	2·966	2·953	2·945	2·945	2·945	2·965	2·981
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	2·681	2·669	2·660	2·644	2·621	2·579	2·542	2·531	2·498	2·481	2·467	2·443
	9	2·303	2·317	2·312	2·298	2·302	2·293	2·259	2·242	2·228	2·234	2·234	2·246
	10	2·547	2·573	2·597	2·614	2·619	2·605	2·595	2·583	2·579	2·581	2·598	2·600
	11	2·868	2·904	2·946	2·962	2·993	2·995	2·985	2·989	2·996	3·012	3·022	3·042
	12	3·178	3·188	3·204	3·210	3·215	3·214	3·203	3·194	3·182	3·181	3·195	3·184
	13	3·059	3·041	3·023	3·011	3·009	2·994	2·955	2·933	2·894	2·880	2·864	2·858
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	2·526	2·518	2·514	2·502	2·519	2·501	2·487	2·466	2·446	2·458	2·476	2·494
	16	2·651	2·668	2·678	2·672	2·682	2·674	2·644	2·640	2·645	2·672	2·684	2·669
	17	2·599	2·599	2·604	2·610	2·572	2·566	2·524	2·468	2·422	2·403	2·396	2·382
	18	2·355	2·374	2·393	2·400	2·410	2·398	2·362	2·351	2·327	2·313	2·304	2·298
	19	2·384	2·385	2·375	2·372	2·374	2·379	2·381	2·394	2·401	2·435	2·430	2·493
	20	2·682	2·694	2·711	2·716	2·710	2·688	2·677	2·674	2·667	2·667	2·666	2·660
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	2·600	2·606	2·609	2·607	2·621	2·632	2·624	2·637	2·635	2·653	2·682	2·706
	23	2·846	2·856	2·860	2·872	2·894	2·898	2·893	2·875	2·876	2·890	2·906	2·917
	24	2·945	2·947	2·969	2·986	2·978	2·967	2·938	2·916	2·909	2·912	2·906	2·940
	25*	—	—	—	—	—	—	—	—	—	—	—	—
	26	2·942	2·974	3·004	3·018	3·061	3·065	3·046	3·022	3·009	3·003	3·012	3·022
	27	2·864	2·856	2·838	2·813	2·787	2·732	2·691	2·638	2·582	2·578	2·579	2·578
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	2·416	2·426	2·430	2·427	2·424	2·416	2·391	2·383	2·382	2·388	2·411	2·437
	30	2·557	2·571	2·589	2·615	2·652	2·649	2·637	2·638	2·648	2·680	2·700	2·701
	31	2·980	2·988	2·996	3·008	3·040	3·005	2·992	2·963	2·960	2·968	2·959	2·949
Hourly Means		2·7008	2·7093	2·7169	2·7174	2·7232	2·7123	2·6932	2·6798	2·6685	2·6732	2·6796	2·6852

* Christmas-day.

BAROMETRIC PRESSURE.

Barometer at 32° = 27 English inches + the numbers in the Table.

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
2·283	2·286	2·294	2·302	2·314	2·316	2·313	2·297	2·299	2·290	—	—	—	—	—	—	2·2916
—	—	—	—	—	—	—	—	—	—	2·269	2·223	2·220	2·163	2·152	2·094	
2·109	2·139	2·162	2·153	2·189	2·199	2·211	2·220	2·237	2·238	2·238	2·250	2·268	2·276	2 280	2·298	2·1733
2·348	2·353	2·365	2·301	2·374	2·374	2·374	2·370	2·356	2·346	2·338	2·320	2·317	2·311	2·303	2·291	2·3440
2·263	2·283	2·287	2·293	2·307	2·311	2·315	2·321	2·319	2·315	2·311	2 299	2·294	2·289	2·270	2·275	2·2883
2·301	2·332	2·362	2·411	2·460	2·499	2·512	2·535	2·553	2·567	2·569	2·595	2 595	2·595	2·601	2·615	2·4330
2·534	2·524	2·510	2·496	2·496	2·486	2·463	2·445	2·435	2·415	2·391	2·381	2·371	2·357	2·351	2·325	2·4038
2·406	2·423	2·433	2·433	2 467	2·479	2·487	2·451	2·450	2·446	—	—	—	—	—	—	2 3985
—	—	—	—	—	—	—	—	—	—	2·364	2·356	2·359	2·349	2·354	2·351	
2·362	2·360	2·363	2·373	2·446	2·412	2·434	2·441	2·449	2·433	2·443	2·431	2·451	2·451	2·461	2·467	2·4047
2·559	2·579	2·591	2·611	2·625	2·629	2·639	2·649	2·657	2·658	2·658	2·656	2·657	2·662	2·672	2·672	2·6034
2·715	2·717	2·709	2·721	2·727	2·714	2·728	2·728	2·728	2·724	2·724	2 710	2·710	2·702	2·696	2·696	2·7227
2·510	2·499	2·468	2·468	2·469	2·459	2·438	2·411	2·402	2·398	2·383	2·407	2·411	2 409	2·401	2·381	2·5020
2·383	2·409	2·450	2·482	2·504	2·536	2·566	2·570	2·596	2·598	2·612	2·622	2·631	2·655	2·689	2·676	2·5013
2·611	2·597	2·589	2·551	2·545	2·539	2·495	2·453	2·428	2·400	—	—	—	—	—	—	2·5732
—	—	—	—	—	—	—	—	—	—	2·477	2·491	2·497	2·498	2·498	2 500	
2·503	2·499	2·505	2·511	2·511	2·513	2·508	2·510	2·507	2·511	2·508	2·512	2·513	2·507	2·504	2·498	2·5111
2·377	2·357	2·327	2·319	2·290	2·241	2·193	2·164	2·176	2·176	2·162	2·186	2·214	2·245	2·255	2·277	2·3217
2·317	2·325	2·327	2·345	2·356	2·351	2·355	2·325	2·317	2·317	2·303	2·297	2·273	2·271	2·261	2·235	2·3110
2·076	2·062	2·053	2·104	2·120	2·122	2·110	2·128	2·129	2·131	2·149	2·155	2·178	2·193	2·209	2·229	2·1455
2·330	2·354	2·378	2·406	2·428	2·436	2·450	2·458	2·463	2·477	2·485	2·495	2·521	2·522	2·541	2·560	2·4060
2·541	2·511	2·491	2·475	2·424	2·336	2·287	2·242	2·206	2·170	—	—	—	—	—	—	2·5171
—	—	—	—	—	—	—	—	—	—	2·622	2·640	2·654	2·682	2·704	2·736	
2·840	2·856	2·860	2·890	2·876	2·884	2·888	2·884	2·883	2·887	2·885	2·861	2·851	2·835	2·820	2·793	2·8524
2·679	2·699	2·723	2·748	2·779	2·801	2·836	2·844	2·872	2·896	2·908	2·928	2·934	2·958	2·968	2·989	2·7946
2·850	2·814	2·791	2·732	2·714	2·673	2·624	2·600	2·602	2·589	2·562	2·532	2·522	2·500	2·484	2·476	2·7414
2·412	2·437	2·451	2·477	2·483	2·511	2·531	2·540	2·543	2·540	2·544	2·555	2·579	2·607	2·617	2·638	2·5006
2·782	2·792	2·815	2·835	2·864	2·890	2 922	2·936	2·944	2·966	2·970	2·983	2 989	2·999	3·019	3·025	2·8599
3·080	3·084	3·082	3·075	3·068	3·075	3·075	3·061	3·060	3·048	—	—	—	—	—	—	3·0199
—	—	—	—	—	—	—	—	—	—	2·888	2·862	2·839	2·822	2·795	2·786	
2·4868	2·4916	2·4954	2·5026	2·5134	2·5114	2·5102	2·5033	2·5044	2·5014	2·5105	2·5099	2·5139	2·5143	2·5162	2·5153	2·5084
2·538	2·530	2·551	2·546	2·563	2 557	2·565	2·569	2·579	2·583	2·590	2·598	2·605	2·632	2·649	2·682	2·6133
2·809	2·826	2·840	2·852	2·866	2·874	2·892	2·911	2·913	2·927	2·937	2·943	2·962	2·978	2·982	2·964	2·8676
2·882	2·868	2·840	2·825	2·830	2·820	2·814	2·747	2·743	2·725	2·710	2·664	2·642	2·623	2·583	2·564	2·8114
2·417	2·421	2·414	2·387	2·386	2·368	2·353	2·342	2·326	2·290	2·266	2·246	2·230	2·252	2·281	2·296	2·3831
2·505	2·523	2·548	2·594	2·631	2·674	2·698	2·716	2·731	2·750	2·762	2·771	2·816	2·839	2·865	2·883	2·6094
2·945	2·945	2·965	2·991	2·991	3·022	3·047	3·049	3·065	3·082	—	—	—	—	—	—	2·9325
—	—	—	—	—	—	—	—	—	—	—	—	2·740	2·738	2·734	2·687	
2·498	2·481	2·467	2·443	2·434	2·421	2·389	2·397	2·402	2·390	2·387	2·351	2·359	2·363	2·333	2·345	2·4745
2·228	2·234	2·234	2·246	2·250	2·246	2·243	2·233	2·272	2·296	2·340	2·387	2·440	2·472	2·491	2·515	2·3105
2·579	2·581	2·598	2·660	2·590	2·603	2·611	2·641	2·661	2·692	2·710	2·737	2·747	2·787	2·813	2 838	2·6467
2·996	3·012	3·022	3·042	3 052	3·058	3·068	3·074	3·088	3·096	3·103	3·115	3·127	3·139	3·153	3·163	3·1396
3·182	3·181	3·195	3·184	3·184	3 190	3·182	3·162	3·152	3·152	3·137	3·121	3·117	3·111	3·100	3·067	3·0976
2·894	2·880	2·864	2·826	2·804	2·780	2·768	2·748	2·720	2·700	—	—	—	—	—	—	2·7996
—	—	—	—	—	—	—	—	—	—	2·544	2·540	2·538	2·534	2·517	2·508	
2·446	2·458	2·476	2·494	2·524	2·548	2·554	2·576	2·577	2·582	2·592	2·586	2·599	2·601	2·607	2·631	2 5368
2·645	2·672	2·684	2·669	2·681	2·693	2·694	2·700	2·708	2·675	2·676	2·670	2·653	2·645	2·612	2·609	2·6665
2·422	2·403	2·396	2·389	2·393	2·386	2·361	2·354	2 350	2·326	2·318	2·318	2·327	2·351	2·347	2·359	2·4306
2·327	2·313	2·304	2·298	2·286	2·278	2·265	2·229	2·217	2·259	2·238	2·312	2·337	2·380	2·381	2·376	2·3264
2·401	2·435	2·450	2·489	2·509	2·538	2·544	2·571	2·583	2·603	2·613	2·618	2·640	2·646	2·654	2·668	2·5000
2·667	2·667	2·666	2·663	2·683	2·683	2·673	2·654	2·651	2·645	—	—	—	—	—	—	2·6570
—	—	—	—	—	—	—	—	—	—	2·586	2·592	2·600	2·586	2·587	2·593	
2·635	2·653	2·682	2·708	2·724	2·740	2·756	2·762	2·780	2·796	2·800	2·802	2·812	2·813	2·819	2·823	2·7100
2·876	2·890	2·906	2·917	2·933	2·948	2·948	2·953	2·955	2·976	2·973	2·941	2·951	2·949	2·949	2·938	2·9165
2·909	2·912	2·906	2·900	2·898	2·892	2·876	2·866	2·864	2·841	—	—	—	—	—	—	2·9123
—	—	—	—	—	—	—	—	—	—	2·871	2·878	2·900	2·902	2·910	2·924	
3·009	3·003	3·012	3·023	3·026	2·999	3·011	3·002	2·988	2·973	2·952	2·932	2·911	2·903	2·881	2·882	2·9850
2·582	2·578	2·579	2·578	2·589	2·587	2·575	2·566	2·566	2·572	—	—	—	—	—	—	2·5985
—	—	—	—	—	—	—	—	—	—	2·400	2·584	2·391	2·399	2·391	2·407	
2·382	2·388	2·411	2·427	2·443	2·466	2·484	2·486	2·486	2·494	2·494	2·520	2·546	2·546	2·532	2·541	2·4566
2·648	2·680	2·700	2·701	2·737	2·765	2·783	2·813	2·823	2·839	2·838	2·864	2·904	2·916	2·940	2·963	2·7426
2·960	2·968	2·959	2·949	2·946	2·922	2·922	2·885	2·857	2·842	2·832	2·820	2·793	2·768	2·748	2·726	2·9112
2·6685	2·6732	2·6796	2·6852	2·6905	2·6945	2·6952	2·6925	2·6945	2·6964	2·6668	2·6684	2·6803	2·6874	2·6830	2·6905	2·6918

STANDARD THERMOMETER.

		Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
		Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
JANUARY.	1		39·0	38·0	37·7	37·4	38·4	39·4	40·2	40·4	38·8	38·6	35·8	34·8
	2		28·0	28·0	28·0	29·0	30·8	31·8	34·2	33·8	31·4	30·5	30·2	28·4
	3		33·6	33·2	34·8	35·8	36·4	36·7	37·4	37·4	38·0	38·6	40·4	39·8
	4		34·7	33·7	33·2	34·6	35·0	37·4	38·6	38·6	39·6	39·2	36·6	35·4
	5		—	—	—	—	—	—	—	—	—	—	—	—
	6		18·2	17·8	17·6	17·8	17·6	18·0	18·3	20·0	20·8	20·6	20·0	19·3
	7		22·6	24·4	25·4	19·6	21·6	21·2	22·2	22·4	24·5	24·6	27·5	27·6
	8		24·4	25·0	25·4	26·4	27·9	29·4	30·4	31·3	31·2	31·7	28·4	29·8
	9		33·4	34·2	32·8	35·2	37·7	38·3	38·7	37·2	38·4	38·8	38·6	38·2
	10		28·8	29·7	29·2	29·8	31·4	31·6	31·8	32·8	34·2	32·4	31·7	30·8
	11		25·0	25·0	25·0	25·9	27·6	29·0	30·0	30·2	30·6	30·0	29·4	28·2
	12		—	—	—	—	—	—	—	—	—	—	—	—
	13		23·9	18·8	18·8	17·6	18·2	18·8	18·6	19·0	19·6	20·6	20·2	19·6
	14		16·6	15·6	14·8	15·4	15·4	15·4	16·4	17·9	18·2	18·8	18·4	17·0
	15		23·0	23·2	24·0	25·2	27·2	29 1	30·8	32·0	32·6	32·6	31·8	31·2
	16		30·7	30·2	29·2	28·4	28·0	27·6	27·2	26·2	26·4	26·0	25·6	24·4
	17		19·6	20·4	20·3	20·7	20·4	21·5	22·0	22·8	23·2	22·6	21·2	19·6
	18		20·6	19·4	19·5	20·6	21·5	21·3	21·6	20·4	20·8	19·6	18·0	15·8
	19		—	—	—	—	—	—	—	—	—	—	—	—
	20		21·4	21·4	21·6	22·2	24·0	25·2	26·4	27·8	29·3	29·5	29·6	28·8
	21		29·2	29·4	30·4	29·8	29·5	29·9	30·9	32·2	33·6	33·4	32·2	32·2
	22		31·6	31·2	31·3	31·3	32·6	34·4	34·8	35·6	36·4	35·6	37·2	31·8
	23		18·6	18·3	22·8	30·4	32·2	33·1	35·6	34·8	34·6	35·0	35·0	33·0
	24		35·0	35·4	35·4	36·2	36·8	37·0	37·2	37·8	37·4	37·0	36·2	34·9
	25		27·6	25·2	24·4	23·7	23·0	25·6	27·4	27·9	29·8	29·5	28·2	25·8
	26		—	—	—	—	—	—	—	—	—	—	—	—
	27		20·4	21·0	22·4	25·2	31·2	36·1	37·0	37·2	37·3	37·4	37·2	36·0
	28		36·7	35·8	36·5	37·4	38·2	39·0	38·8	39·0	38·2	39·5	38·6	40·0
	29		29·6	28·8	28·2	28·8	30·4	31·6	31·6	31·2	29·8	27·9	27·4	25·6
	30		16·3	15·0	14·7	15·4	18·0	18·8	19·8	21·0	21·3	20·4	19·4	18·2
	31		15·4	12·6	12·8	13·6	13·8	12·8	13·0	12·4	12·7	13·5	11·9	10·0
Hourly Means			26·07	25·62	25·79	26·42	27·59	28·52	29·27	29·60	29·91	29·77	29·14	28·06
FEBRUARY.	1		−2·0	−1·6	−1·4	0·6	3·1	5·2	7·9	8·8	10·3	11·4	11·8	10·4
	2		—	—	—	—	—	—	—	—	—	—	—	—
	3		17·8	17·7	17·8	20·3	18·4	18·9	20·4	22·2	21·8	21·5	21·8	21·4
	4		23·2	23·6	24·0	24·2	25·2	26·0	26·0	20·2	19·4	17·8	16·6	15·2
	5		12·0	11·2	12·0	13·2	14·8	15·4	16·2	17·4	16·4	16·4	16·2	16·0
	6		4·6	3·4	3·6	5·2	6·4	7·2	10·4	11·9	12·5	12·1	11·9	11·6
	7		13·8	12·6	13·8	16·2	17·9	19·9	21·6	23·5	25·0	25·6	25·6	23·8
	8		10·2	8·2	8·5	11·2	13·2	16·4	17·8	19·4	21·0	20·5	21·0	17·8
	9		—	—	—	—	—	—	—	—	—	—	—	—
	10		25·6	25·6	25·9	27·8	30·6	30·6	31·2	32·0	32·2	32·4	32·2	32·0
	11		26·2	25·6	25·8	27·4	29·8	32·2	34·0	34·2	34·2	33·8	33·3	32·6
	12		37·0	36·6	35·0	33·4	31·2	27·1	23·7	22·2	21·4	19·2	17·9	15·2
	13		−2·4	−3·4	−2·0	1·4	3·1	5·2	7·9	8·2	8·4	9·6	10·1	10·0
	14		13·3	13·9	16·2	17·0	18·2	20·3	22·8	24·6	27·2	28·0	28·6	29·2
	15		35·0	35·2	36·1	36·6	37·4	37·6	38·0	38·5	39·2	38·6	38·1	38·2
	16		—	—	—	—	—	—	—	—	—	—	—	—
	17		32·6	32·6	33·2	34·2	35·2	36·0	37·0	38·2	38·0	38·2	36·4	35·1
	18		33·0	32·8	33·0	33·6	34·4	35·2	35·8	35·2	35·0	35·7	35·3	34·4
	19		32·7	33·0	33·3	34·0	34·2	35·7	37·1	36·7	36·3	35·8	36·6	35·2
	20		33·8	35·2	36·8	39·4	41·0	42·6	41·8	41·4	42·2	40·1	40·0	40·0
	21		33·2	33·8	34·6	36·4	38·6	41·2	41·8	43·8	43·2	43·8	44·0	43·1
	22		35·4	35·6	36·4	38·9	39·9	40·6	42·4	41·8	41·8	40·8	40·4	38·6
	23		—	—	—	—	—	—	—	—	—	—	—	—
	24		35·1	34·2	36·2	38·7	40·8	40·5	41·3	41·9	42·3	42·4	41·0	39·7
	25		34·9	35·2	38·2	43·4	43·8	46·4	47·0	47·1	47·3	47·1	46·5	45·3
	26		34·4	35·5	36·1	37·4	38·1	38·2	38·5	37·6	37·5	37·5	36·8	36·4
	27		26·2	25·2	28·0	32·6	35·8	36·3	37·4	37·2	39·6	36·9	35·9	33·1
	28		25·4	24·8	25·2	26·5	27·7	30·0	31·3	31·8	32·5	32·6	32·0	31·1
Hourly Means			23·79	23·60	24·48	26·24	27·45	28·53	29·55	29·83	30·19	29·95	29·58	28·80

STANDARD THERMOMETER.

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
38·8	38·6	35·8	34·8	34·7	34·6	34·6	34·2	33·6	32·7	31·8	31·3	31·0	30·6	29·6	28·4	35·23
31·4	30·5	30·2	28·4	29·0	28·8	29·6	30·2	31·0	31·6	31·8	31·8	32·4	32·8	33·0	33·8	30·83
38·0	38·6	40·4	39·8	42·0	43·4	41·8	40·0	38·0	37·0	36·6	36·6	36·4	36·3	36·4	35·3	37·58
39·6	39·2	36·6	35·4	34·4	33·8	34·3	35·6	36·2	36·6	—	—	—	—	—	—	31·88
—	—	—	—	—	—	—	—	—	—	22·2	21·6	19·5	18·7	18·4	17·2	
20·8	20·6	20·0	19·3	18·2	17·6	16·8	16·6	16·8	17·5	18·3	19·6	20·6	20·2	20·4	21·4	18·75
24·5	24·6	27·5	27·6	27·0	26·2	24·8	25·4	26·0	26·6	25·0	24·0	22·6	22·9	26·3	23·6	24·33
31·2	31·7	28·4	29·8	28·2	30·6	28·8	30·4	30·7	30·0	30·0	31·4	32·8	33·0	33·4	33·8	29·77
38·4	38·8	38·6	38·2	36·6	33·2	31·4	27·6	26·0	25·6	26·0	25·4	26·0	25·6	24·0	27·4	32·35
34·2	32·4	31·7	30·8	30·4	30·0	29·6	29·2	29·0	26·0	23·0	23·8	25 6	25·7	25·2	25·0	29·03
30·6	30·0	29·4	28·2	28·0	27·6	27·2	25·8	23·6	20·8	—	—	—	—	—	—	25·47
—	—	—	—	—	—	—	—	—	—	17·2	17·2	18·8	22·3	23·4	23·4	
19·6	20·6	20·2	19·6	17·8	12·8	12·9	14·0	14·0	16·8	18·0	17·7	17·0	15·3	18·4	17·4	17·72
18·2	18·8	18·4	17·0	17·6	20·6	19·0	18 9	18·4	18·2	19·6	20·2	22·4	21·8	21·6	22·4	18·32
32·6	32·6	31·8	31·2	31·0	31·0	31·8	31·6	31·6	32·0	31·6	31·4	31·0	31·2	30·8	31·2	29·95
26·4	26·0	25·6	24·4	24·0	23·4	22·8	22·4	21·8	21·6	22·0	22·0	21·9	21·3	20·8	20·3	24·76
23·2	22·6	21·2	19·6	19·0	18·9	19·6	19·3	19·3	19·8	19·7	20 5	20·6	19·8	19·3	19·8	20·41
20·8	19·6	18·0	15·8	13·9	12·0	10·4	9·7	7·8	3·6	—	—	—	—	—	—	17·67
—	—	—	—	—	—	—	—	—	—	21·4	21·0	21·0	21·4	21·4	21·4	
29·3	29·5	29·6	28·8	26·8	28·8	28·6	28·8	29·4	29·6	29·6	29·6	28·8	28·8	28·8	28·4	27·30
33·6	33·4	32·2	32·2	31·7	32·4	31·8	32·0	30·0	31·2	31·6	31·6	31·6	31·4	30·8	30·8	31·23
36·4	35·6	37·2	31·8	27·6	25·2	22·2	20·6	19·5	18·7	18·8	18·8	19·0	17·8	14·2	14·8	26 71
34·6	35·0	35·0	35·0	35·0	35·4	35·6	35·6	34·9	35·8	36·1	36·0	35·3	34·8	34·8	34·6	32·89
37·4	37·0	36·2	34·9	35·0	35·3	35·2	35·0	35·4	35·6	35·6	35·1	34·8	33·4	30·8	29·2	35·28
29·8	29·5	28·2	23·8	24·8	24·0	23·6	23·6	22·5	21·5	—	—	—	—	—	—	24·29
—	—	—	—	—	—	—	—	—	—	20·2	21·0	22·2	21·0	21·0	19·4	
37·3	37·4	37·2	36·0	35·4	35·2	35·1	35·4	35·6	35·4	35·4	35·5	35·4	35·4	36·0	36·8	33·54
38·2	39·5	38·6	40·0	38·0	37·0	36·0	34·2	33·4	33·4	33·4	33·1	32·0	30·6	30·2	29·8	35·78
29·8	27·9	27·4	25·6	25·0	24·3	24·0	22·7	21·8	21·0	20·4	19·4	19·0	19·7	19·0	17·4	25·19
21·3	20·4	19·4	18·2	16·2	18·2	17·6	17·0	16·0	16·8	14·6	13·4	11·9	12·8	14·8	15·4	16·83
12·7	13·5	11·9	10·0	8 4	7·6	5·6	4·0	2·8	1·4	0·2	−1·0	−1·4	−2·0	−1·6	−1 8	7·36
29·91	29·77	29·14	28·06	27·32	26·96	26·33	25·89	25·37	25·07	24·82	24·74	24·75	24·58	24·49	24·32	26·68
10·3	11·4	11·8	10·1	8·2	6·5	4·4	4·2	5·2	7·4	—	—	—	—	—	—	8·23
—	—	—	—	—	—	—	—	—	—	16·6	16·4	15·8	15·0	15·4	17·2	
21·8	21·5	21·8	21·4	19·2	19·6	22·4	22·6	22·4	22·8	23·2	24·7	23·2	23·6	23·3	23·4	21·27
19·4	17·8	16·6	15·2	14·0	14·2	12·8	12·0	12·2	12·2	11·6	12·0	12·4	13·4	14·2	13·0	17·32
16·4	16·4	16·2	16·0	16·6	16·2	15·4	14·7	13·4	12·4	11·7	10·9	10·4	9·6	8·2	6·0	13·45
12·5	12·1	11·9	11·6	12·6	14·0	15·8	16·8	18·6	19·0	18·2	17·6	16·8	16·0	15·8	14·8	12·37
25·0	25·6	25·6	23·6	21·8	19·8	19·0	18·4	13·4	18·4	17·4	16·0	15·7	11·8	9·2	11·5	18·19
21·0	20·5	21·0	17·8	12·8	9·0	6·0	11·4	10·6	13·8	—	—	—	—	—	—	16·40
—	—	—	—	—	—	—	—	—	—	23·2	23·8	24·0	24·2	24·8	24·7	
32·2	32·4	32·2	32·0	32·0	32·4	32·5	31·0	31·6	30·8	28·8	29·2	29·0	28·2	27·4	26·6	29·90
34·2	33·8	33·3	32·6	32·6	32·4	31·2	31·2	30·8	30·4	31·1	31·0	31·4	31·5	32·5	28·2	30·98
21·4	19·2	17·9	15·2	13·6	12·7	12·2	12·4	11·0	8·2	6·4	4·8	3·0	1·6	−0·6	−2·2	16·79
8·4	9·6	10·1	10·0	9·6	9·0	9·2	10·4	11·8	16·4	16·6	10·4	10·6	11·3	10·9	11·4	8·07
27·2	28·0	28·6	29·2	29·6	30·2	31·0	31·8	32·4	33·0	33·5	33·8	34·2	35·2	34·6	34·8	27·22
39·2	38·6	38·1	38·2	38·4	38·2	37·2	35·5	35·4	37·2	—	—	—	—	—	—	36·20
—	—	—	—	—	—	—	—	—	—	33·6	33·0	33·6	33·0	32·6	32·6	
38·0	38·2	36·4	35·1	36·4	34·9	32·5	34·4	34·8	34·0	34·4	34·6	34·6	33·8	33·9	33·4	34·96
35·0	35·7	35·3	34·1	32·5	31·4	31·6	31·1	27·8	27·6	28·2	31·0	32·0	32·2	32·8	32·6	32·68
36·3	35·8	36·6	35·1	34·0	34·8	35·2	36·6	38·0	36·4	36·2	36·4	35·4	35·2	33·6	32·8	35·22
42·2	40·1	40·0	40·0	40·2	40·4	40·4	39·8	39·4	38·6	38·0	39·2	37·0	35·8	34·8	32·4	38·76
43·2	43·8	44·0	43·1	42·8	43·0	42·6	39·6	37·6	37·8	39·8	38·0	38·2	37·2	36·4	36·4	39·46
41·8	40·8	40·4	38·9	38·4	38·5	38·3	37·5	37·0	37·0	—	—	—	—	—	—	37·96
—	—	—	—	—	—	—	—	—	—	38·1	37·6	35·9	33·6	32·9	33·6	
42·3	42·4	41·0	39·1	38·3	39·1	36·9	35·1	35·5	38·3	38·7	37·1	35·3	35·5	35·4	34·6	38·10
47·3	47·1	46·5	45·3	45·0	46·5	42·8	45·5	47·3	45·8	43·5	42·0	40·3	37·9	35·6	34·3	42·86
37·5	37·5	36·8	36·1	35·4	33·9	33·1	31·5	32·0	31·3	30·1	29·5	29·5	28·7	27·5	27·4	33·91
39·6	36·9	35·9	33·1	31·4	30·6	29·4	28·4	28·5	28·5	27·6	27·7	27·4	27·2	26 8	26·8	31·03
32·5	32·6	32·0	31·4	32·2	32·0	32·3	32·3	31·5	31·5	32·0	32·3	32·3	25·6	30·1	32·3	30·35
30·19	29·95	29·58	28·90	27·82	27·47	26·84	26·84	26·80	27·03	27·44	27·04	26·58	25·71	25·34	24·94	27·15

STANDARD THERMOMETER.

	Hours of Mean (Göttingen Time,)	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
MARCH.	1	33·6	33·9	34·9	37·7	38·1	39·1	40·4	42·1	43·1	43·5	43·3	39·8
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	33·7	32·7	31·8	31·2	30·6	30·4	31·5	32·2	31·3	31·9	32·0	32·1
	4	25·0	28·7	32·7	34·7	36·4	38·1	38·3	40·2	41·3	38·8	37·0	36·6
	5	31·8	33·4	33·5	33·8	35·0	36·4	37·1	39·4	40·4	43·3	45·1	43·6
	6	26·7	27·7	31·5	33·6	35·6	36·3	37·4	37·2	38·9	38·6	37·9	35·5
	7	32·3	34·4	36·3	38·2	40·2	40·9	40·5	40·5	39·7	40·0	40·2	39·5
	8	39·4	40·3	45·9	45·9	50·6	52·2	54·0	54·3	53·5	53·5	52·0	49·7
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	26·8	27·2	28·6	30·7	33·3	34·9	36·7	37·9	36·5	35·9	35·7	34·3
	11	28·8	28·6	30·3	33·6	36·1	35·7	36·3	36·6	36·7	36·9	36·1	34·9
	12	33·3	34·1	35·1	40·0	38·7	38·7	38·9	39·1	44·7	41·9	40·6	39·6
	13	29·7	31·0	32·0	36·1	38·7	40·6	41·1	43·3	43·3	43·1	41·2	40·6
	14	35·5	36·7	37·4	38·5	39·1	40·3	42·5	43·1	41·9	36·6	34·5	34·4
	15	18·0	18·6	19·2	20·6	22·0	22·1	22·1	23·5	23·5	23·5	22·9	23·1
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	24·9	25·7	27·0	29·9	28·7	29·6	31·5	32·2	33 9	33·4	33·6	33·8
	18	25·0	24·9	24·7	25·9	27·5	28·7	28·9	26·5	27·2	26·0	26·1	25·4
	19	19·6	20·7	21·7	23·7	24·1	24·5	25·9	26·8	27·5	24·1	24·8	23·9
	20	25·4	26·4	27·5	28·4	30·4	31·0	31·6	32·5	31·8	32·1	32·2	31·0
	21*	—	—	—	—	—	—	—	—	—	—	—	—
	22	27·9	30·1	32·3	34·9	39·3	39·6	40·3	40·9	42·4	42·3	42·6	39·6
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	35·9	36·2	37·2	37·1	38·2	38·6	39·6	41·1	40·7	40·9	40·5	39·3
	25	32·7	32·7	35·5	39·7	42·3	42·9	44·7	45·7	46·3	45·4	45·4	45·1
	26	33·9	35 6	38·5	41·2	41·9	44·4	47·9	45·4	48·4	48·9	48·4	47·9
	27	38·7	38·9	46·9	51·0	54·5	54·0	54·3	58·0	56·2	51·7	48·7	46·6
	28	39·7	42·3	43·7	45·7	47·7	52·2	52·2	50·4	52·2	50·2	50·8	48·3
	29	33·4	35·9	42·6	45·6	49·1	52·6	56·2	59·0	61·1	61·5	61·5	58·7
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	44·3	49·1	52·7	55·3	56·6	58·5	61·4	59·8	60·3	59·8	62·5	59·0
Hourly Means		31·04	32·23	34·38	36·52	38·19	39·29	40·45	41·11	41·71	40·55	40·62	39·30
APRIL.	1	49·1	45·5	41·7	40·9	39·2	38·7	39·4	40·3	40·5	40·6	40·4	39·7
	2	37·2	38·4	41·7	46·5	48·5	50·0	44·9	46·3	44·6	44·9	43·2	43·2
	3	26·2	27·9	29·2	31·0	32·6	34·7	36·4	38·2	39·5	39·3	37·1	36·5
	4	38·3	39·5	40·2	41·1	41·6	43·4	43·4	43·1	41·3	42·4	40·5	39·2
	5	24·6	26·2	27·0	31·7	32·3	34·3	34·9	33·9	34·2	31·5	29·6	29·3
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	24·1	24·1	25·6	26·2	26·7	28·2	30·8	33·7	32·3	32·0	32·0	30·7
	8	19·4	20·9	23·0	24·3	26·2	26·8	28·2	30·1	31·3	32·9	32·9	33·0
	9	21·0	24·0	28·7	33·9	35·6	37·5	39·3	39·5	41·2	40·5	41·2	39·5
	10	34·9	40·0	45·7	50·0	50·2	50·5	48·9	46·4	44·1	43·5	43·7	42·9
	11	33·5	33·9	34·1	35·5	37·3	40·3	41·5	42·7	44·1	44·9	44·1	42·3
	12	30·4	35·1	39·1	42·6	45·4	47·3	45·4	46·3	47·7	47·7	46·3	45·4
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	39·1	42·2	46·3	49·6	52·9	54·8	56·0	55·4	56·4	57·4	56·8	61·4
	15	33·1	41·3	49·5	56·8	58·6	57·0	57·7	58·6	58·2	61·1	60·1	60·1
	16	45·9	45·6	45·7	46·3	47·6	47·9	46·7	45·7	44·9	44·5	44·7	44·5
	17	39·4	40·0	40·2	40·4	40·7	40·7	42·1	42·5	43·3	44·3	43·9	44·1
	18	41·3	42·3	41·0	42·1	42·9	43·4	43·9	45·3	45·3	45·5	46·6	45·9
	19	45·7	43·9	43·2	43·1	44·7	44·3	44·1	43·7	44·1	44·7	44·9	45·1
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	42·3	43·3	44·7	44·9	46·1	45·2	46·2	46·3	47·5	48·9	48·5	47·3
	22	39·3	44·3	46·1	48·5	50·4	50·8	50·4	51·4	51·3	50·7	52·4	52·6
	23	49·2	53·0	54·6	56·7	60·1	63·0	63·7	65·8	63·1	62·1	60·3	58·7
	24	50·3	52·0	55·0	59·0	61·3	65·1	66·4	66·5	66·7	66·7	63·3	60·3
	25	43·9	44·1	43·6	43·5	46·0	44·9	46·5	45·1	47·3	48·9	44·9	43·9
	26	41·5	42·4	44·9	44·9	45·9	49·5	54·0	52·8	53·2	53·8	56·3	57·4
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	43·5	46·9	50·7	53·3	55·7	58·0	60·6	61·9	61·7	62·1	59·4	56·4
	29	50·2	53·8	56·3	59·4	59·6	58·8	58·6	58·6	59·0	57·5	58·0	58·7
	30	46·9	45·5	47·1	51·3	52·8	53·5	55·5	58·0	60·5	59·8	60·1	57·6
Hourly Means		38·09	39·85	41·73	43·98	45·42	46·51	47·13	47·62	47·82	48·01	47·35	46·79

* Good Friday.

STANDARD THERMOMETER.

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
43·1	43·5	43·3	39·4	35·6	34·9	35·9	35·4	34·9	35·7	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	35·4	35·3	33·9	34·3	34·3	33·9	37·02
31·3	31·9	32·0	32·1	31·0	29·3	28·6	29·3	29·8	28·8	29·6	29·2	27·5	26·1	26·2	24·8	30·07
41·3	38·8	37·0	36·6	36·6	36·7	37·9	37·9	37·9	37·7	37·7	35·1	35·1	33·9	34·1	33·5	35·91
40·4	43·3	45·1	44·6	42·1	39·7	38·2	36·3	34·3	32·6	32·3	31·3	30·1	30·1	28·5	27·7	35·71
38·9	38·6	37·9	35·5	33·5	33·1	33·4	35·1	33·3	33·1	33·2	33·6	33·0	33·6	33·0	31·8	33·94
39·7	40·0	40·2	39·5	39·1	39·6	40·6	40·3	39·4	39·2	39·1	38·9	38·3	37·9	38·2	39·2	38·85
53·5	53·5	52·0	49·7	47·4	45·9	44·6	43·4	42·1	40·6	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	28·5	28·2	28·2	28·0	28·4	27·0	42·65
36·5	35·9	35·7	34·3	33·7	33·9	33·9	33·4	33·2	32·3	31·9	30·3	30·1	30·1	30·6	30·4	32·60
36·7	36·9	36·1	34·9	32·4	33·5	32·9	32·0	31·0	30·5	31·0	31·2	31·7	32·3	32·4	32·9	33·10
44·7	41·9	40·6	39·6	39·1	38·5	37·7	35·9	35·1	32·0	30·5	29·9	29·1	30·3	32·0	30·8	36·07
43·3	43·1	41·2	40·6	37·9	37·3	36·7	36·4	34·9	35·3	34·4	33·4	34·4	34·7	33·9	34·3	36·85
41·9	36·6	34·5	34·4	31·8	29·7	26·7	24·7	24·0	23·1	22·5	21·9	21·2	20·4	19·2	18·6	31·01
23·5	23·5	22·9	23·1	22·7	19·8	18·7	17·7	13·0	11·2	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	25·7	25·3	25·1	24·8	25·4	25·0	21·40
33 9	33·4	33·6	33·4	32·7	31·7	30·6	29·3	28·5	28·7	28·0	27·7	27·4	26·7	26·0	25·0	29·42
27·2	26·0	26·1	25·4	24·6	23·5	22·3	21·4	21·1	20·8	21·1	21·4	21·4	21·4	20·9	20·4	24·05
27·5	24·1	24·8	23·9	22·7	21·9	20·4	19·8	19·6	20·6	20·6	20·6	21·7	21·2	21·1	24·5	22·58
31·8	32·1	32·2	31·0	31·2	31·0	31·0	30·6	29·8	28·4	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	29·1	29·1	29·3	29·3	29·97
42·4	42·3	42·6	39·6	36·3	34·7	34·4	33·9	32·4	30·6	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	35·9	35·7	35·6	35·5	35·7	35·9	36·20
40·7	40·9	40·5	39·3	36·9	36·7	37·3	36·5	35·7	34·8	34·1	33·4	32·9	32·9	31·0	32·5	33·33
46·3	45·4	45·4	45·1	40·6	40·0	38·6	35·9	34·1	32·4	32·9	32·7	33·3	33·2	30·1	31·4	38·07
48·4	48·9	48·4	47·9	46·7	45·1	44·9	43·6	52·0	49·2	47·9	48·3	48·9	47·7	44·3	43·4	45·18
56·2	51·7	48·7	46·6	45·1	44·9	42·3	39·3	40·6	40·3	40·3	39·7	40·2	39·3	38·4	37·2	45·27
52·2	50·2	50·8	48·3	45·2	42·9	42·3	41·1	40·6	40·3	40·5	40·2	38·6	37·6	34·9	33·9	43·87
61·1	61·5	61·5	58·7	58·7	55·0	49·4	50·4	47·7	47·7	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	44·2	43·4	41·7	41·4	41·4	44·1	49·26
60·3	59·8	62·5	59·0	51·2	56·0	57·0	54·8	54·8	52·3	50·3	50·4	50·8	51·0	51·0	52·2	54·88
41·71	40·55	40·62	39·30	37·63	36·61	35·85	34·90	34·34	33·53	33·65	33·21	32·77	32·54	32·01	31·99	36·04
40·5	40·6	40·4	39·7	39·3	38·1	35·7	30·8	29·3	29·1	28·2	27·4	27·4	27·8	33·2	35·4	36·57
44·6	44·9	43·2	43·2	41·3	39·7	37·5	32·2	30·5	36·7	34·9	36·2	28·0	27·4	27·4	26·8	38·67
39·5	39·3	37·1	36·5	33·3	33·3	33·1	32·9	33·3	33·4	33·4	32·9	32·8	32·9	32·3	35·3	33·65
41·3	42·4	40·5	39·2	38·3	36·9	33·9	32·3	31·7	31·0	30·4	29·7	28·2	27·0	25·7	24·7	36·00
34·2	31·5	29·6	29·3	28·5	26·6	25·0	22·9	23·3	22·9	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	17·5	17·5	15·7	19·6	22·7	24·3	26·50
32·3	32·0	32·0	30·7	27·6	25·2	23·3	22·5	21·6	21·1	20·9	19·8	20·0	20·0	21·2	19·4	25·37
31·3	32·9	32·9	33·9	32·0	29·1	27·6	25·4	24·1	23·7	22·7	21·9	20·9	20·8	19·4	19·4	25·70
41·2	40·5	41·2	39·5	38·1	37·5	37·3	35·9	34·3	33·5	33·5	33·9	36·5	36·7	36·3	34·7	35·42
44·1	43·5	43·7	42·9	41·3	40·3	39·4	38·9	38·3	37·9	36·5	35·6	35·4	35·7	34·9	32·9	41·18
44·1	44·9	44·1	42·3	39·1	35·9	34·3	33·1	30·4	28·3	28·2	26·4	27·2	27·6	28·4	27·8	35·04
47·7	47·7	46·3	45·4	43·1	41·1	39·4	39·3	39·1	38·9	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	42·5	41·9	40·5	40·5	39·5	38·3	41·78
56·4	57·4	56·8	61·4	59·5	58·0	50·7	47·5	45·9	41·1	37·1	36·5	36·1	37·9	36·5	32·9	47·83
58·2	61·1	60·1	60·1	56·2	49·5	46·1	43·9	43·3	48·3	51·2	50·5	46·3	42·9	44·1	45·3	50·85
44·9	44·5	44·7	44·5	43·9	41·3	41·1	40·2	40·1	40·3	40·2	40·4	40·3	40·0	40·0	40·0	43·24
43·3	44·3	43·9	44·1	43·5	42·9	42·9	43·2	42·9	42·5	41·9	41·5	41·9	41·9	41·5	41·5	42·07
45·3	45·5	46·6	45·9	45·7	46·1	46·3	45·5	45·1	44·7	44·7	44·9	45·5	44·4	45·2	45·1	44·53
44·1	44·7	44·9	45·1	45·3	45·1	45·7	44·7	43·9	43·5	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	42·4	42·3	42·2	41·9	41·7	41·6	43·82
47·5	48·9	48·5	47·3	45·3	44·2	42·7	39·7	37·3	39·3	37·3	35·4	34·9	35·5	34·1	35·3	42·18
51·3	50·7	52·4	52·6	48·7	46·9	47·3	46·5	47·6	47·4	47·3	47·9	46·7	46·7	46·3	47·3	48·12
63·1	62·1	60·3	58·1	58·0	50·5	54·0	51·0	49·5	49·1	50·4	54·0	54·2	53·2	51·2	50·4	55·66
66·7	66·7	63·3	60·3	58·0	57·2	56·8	56·2	56·0	56·2	54·3	49·5	46·1	45·3	44·1	43·6	56·50
47·3	48·9	44·9	43·9	44·9	42·4	42·9	42·1	41·7	42·2	42·3	41·4	40·9	40·9	40·9	41·1	43·60
53·2	53·8	56·3	57·4	57·6	51·8	51·0	51·0	53·0	54·2	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	44·9	41·7	41·3	38·7	38·1	38·6	48·27
61·7	62·1	59·4	56·4	57·6	55·0	50·5	54·5	53·4	52·8	51·0	49·7	48·3	43·9	44·6	46·9	53·27
59·0	57·5	58·0	58·1	58·3	53·0	52·0	50·8	50·0	48·7	47·6	47·9	47·7	47·2	46·4	45·7	53·37
60·5	59·8	60·1	57·6	54·2	53·7	54·7	55·2	55·4	52·2	52·2	54·6	53·6	54·6	50·6	50·0	53·73
47·82	48·01	47·35	46·19	45·22	43·13	41·97	40·70	40·04	39·96	38·98	38·53	37·64	37·35	37·17	37·09	42·45

STANDARD THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	5	3	4	5
MAY.	1	51·0	57·0	58·5	59·6	62·3	63·3	64·8	65·8	66·7	67·1	66·6	62·8
	2	42·3	43·9	44·5	45·6	47·4	50·0	52·3	53·7	55·2	56·5	57·6	57·6
	3	46·9	50·5	51·7	55·3	58·5	60·3	62·1	60·1	57·8	58·2	56·4	57·4
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	35·9	37·4	39·5	42·1	44·5	45·9	49·1	48·4	50·3	50·8	52·0	49·4
	6	39·5	45·1	47·7	50·2	53·2	—	—	—	—	54·5	56·0	54·7
	7	45·2	42·1	40·5	40·8	43·5	44·8	45·1	45·5	47·5	48·2	48·3	47·0
	8	33·4	37·7	40·1	43·6	44·5	44·8	47·3	50·0	50·3	49·6	46·6	47·4
	9	44·8	49·4	51·7	52·6	52·4	53·0	52·4	52·8	54·6	54·8	56·2	56·3
	10	46·4	48·0	50·4	52·8	52·8	57·6	57·4	56·2	57·2	57·0	58·5	61·0
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	57·8	60·4	68·4	69·4	70·6	73·4	74·6	76·6	77·1	74·9	73·6	73·9
	13	55·3	59·2	62·3	70·3	73·5	73·1	73·7	74·4	73·9	71·0	70·6	66·8
	14	58·3	61·2	60·5	61·3	63·8	65·4	62·5	64·6	65·0	65·0	64·1	65·0
	15	43·8	40·5	38·9	37·7	39·9	41·0	43·3	45·8	48·4	48·4	49·4	48·8
	16	34·5	37·7	38·5	40·8	44·2	45·2	45·8	45·6	45·0	46·8	48·0	50·3
	17	39·9	47·2	51·0	56·3	57·4	57·5	57·1	57·8	59·2	59·1	59·8	[illegible]
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	54·2	58·8	61·7	64·6	67·2	67·4	67·0	65·6	61·0	61·8	60·8	60·2
	20	43·8	45·4	47·0	49·2	50·8	52·6	54·5	54·1	54·8	55·4	55·6	54·8
	21	43·2	45·8	49·1	51·0	54·8	55·8	56·4	58·4	60·0	61·0	62·4	61·3
	22	43·2	45·3	47·5	50·2	52·0	51·8	49·4	48·8	47·6	47·3	47·7	47·3
	23	40·1	45·6	49·2	54·2	56·5	56·3	57·0	58·4	59·4	58·8	60·3	61·0
	24	40·2	41·8	43·0	45·3	48·2	49·5	50·0	51·2	51·6	50·4	49·3	50·0
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	51·9	53·5	60·2	62·8	68·0	71·1	73·1	74·7	75·6	76·0	75·6	74·4
	27	53·0	55·2	58·8	63·4	65·5	67·4	69·8	71·3	70·5	67·6	67·4	65·9
	28	56·7	58·2	60·6	60·4	63·3	57·8	59·2	60·5	61·8	68·3	69·8	69·0
	29	36·4	35·7	36·1	36·9	37·7	39·6	42·8	41·9	43·0	42·5	42·3	43·1
	30	35·9	38·9	42·0	44·8	48·2	48·7	48·3	49·8	51·1	52·8	54·7	54·4
	31	42·8	48·0	52·4	54·2	57·6	59·0	60·8	63·0	63·4	64·5	64·6	62·6
Hourly Means		45·05	47·91	50·07	52·42	54·75	55·86	56·76	57·50	58·00	58·09	58·32	57·8[illegible]
JUNE.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	53·1	54·8	56·6	62·2	66·2	64·8	63·8	68·2	68·4	71·1	70·0	71·3
	3	60·8	62·5	62·5	62·8	65·0	70·9	73·9	73·4	71·8	70·9	71·4	70·0
	4	59·8	66·1	68·6	65·0	67·2	71·4	75·5	73·4	67·3	66·3	70·4	70·3
	5	53·5	54·2	55·0	56·3	59·2	59·8	61·3	63·1	65·3	66·6	64·8	63·8
	6	50·8	53·3	54·4	57·2	59·0	57·5	56·3	55·4	55·3	54·4	55·0	54·6
	7	50·2	55·3	52·3	54·1	54·2	56·1	58·4	58·8	59·3	58·8	62·3	61·6
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	68·7	70·7	71·7	74·3	77·0	79·6	80·6	82·2	83·2	83·2	84·0	83·6
	10	60·8	67·6	71·4	68·3	71·4	74·1	76·2	78·5	76·3	72·9	71·8	69·8
	11	60·5	61·3	63·8	64·9	66·5	67·8	71·1	71·6	71·9	72·1	70·6	69·0
	12	59·2	59·0	59·3	60·1	64·8	68·8	71·3	69·2	70·1	69·2	73·7	73·0
	13	60·1	61·7	64·0	63·3	69·1	68·1	71·6	69·6	71·4	71·0	69·4	72·3
	14	53·3	55·1	58·1	61·4	64·0	64·4	66·0	66·0	66·4	64·4	66·2	66·1
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	52·4	54·6	55·8	58·8	57·8	59·4	58·8	59·3	58·0	57·2	56·0	55·1
	17	46·4	50·3	53·2	55·4	56·2	58·3	59·7	61·0	61·8	63·2	64·0	65·1
	18	59·3	54·7	58·0	60·9	61·5	64·8	66·0	65·7	65·4	67·0	66·6	64·6
	19	53·3	56·8	62·4	64·3	66·5	67·5	68·[illegible]	69·3	69·9	71·2	72·0	72·0
	20	53·7	57·5	62·3	65·0	67·8	70·1	69·6	70·1	71·0	69·3	68·9	66·6
	21	61·8	63·0	65·4	66·8	68·5	69·9	70·5	71·4	72·0	72·0	71·5	70·8
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	57·6	61·3	64·9	68·3	71·8	72·4	71·6	79·0	80·7	81·0	81·0	81·6
	24	64·5	68·6	71·7	73·4	74·4	76·2	77·0	75·8	73·6	80·3	78·4	78·0
	25	57·0	59·9	61·2	63·8	64·6	64·8	65·0	65·0	65·3	65·1	67·2	68·6
	26	51·2	55·8	60·8	65·3	65·7	65·5	67·6	70·1	69·8	70·1	71·1	71·6
	27	56·6	62·2	66·2	67·9	68·2	68·3	68·5	71·3	72·5	74·0	74·6	74·5
	28	58·1	56·9	57·2	59·2	61·1	61·3	62·5	60·6	61·3	59·5	61·5	62·6
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	56·2	59·0	60·1	58·8	59·2	58·1	59·5	58·5	58·8	58·8	58·8	59·0
Hourly Means		56·40	59·29	61·48	63·11	65·08	66·40	67·62	68·26	68·27	68·38	68·85	68·[illegible]

STANDARD THERMOMETER.

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
5	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
66°7	67°1	66°6	62°9	60°9	58°6	57°8	52°6	50°6	49°7	47°9	47°7	47°3	45°1	42°7	40°9	56°14
55°2	56°5	57°6	57°6	57°6	51°8	48°3	45°6	45°9	45°0	44°3	42°9	45°1	43°3	42°3	41°1	48°49
57°8	58°2	56°4	57°0	58°3	58°0	57°6	56°0	55°0	55°0	—	—	—	—	—	—	51°95
—	—	—	—	—	—	—	—	—	—	43°4	41°9	39°6	37°1	35°4	34°2	
50°3	50°8	52°0	49°4	47°6	44°9	40°9	39°6	37°1	34°9	34°9	33°7	32°2	32°6	32°3	32°5	41°19
—	54°5	56°0	54°7	50°0	45°4	41°2	39°6	40°2	41°0	40°8	39°1	40°4	42°4	42°6	42°6	45°31
47°5	48°2	48°3	47°0	45°6	41°8	39°9	38°1	37°1	35°9	34°7	32°8	31°7	30°3	30°1	29°7	40°28
50°3	49°6	46°6	47°3	44°8	43°6	43°9	44°6	44°3	43°2	43°0	41°8	38°3	38°3	36°5	37°9	43°15
54°6	54°8	56°2	56°9	54°6	52°0	46°5	43°3	43°2	42°2	40°6	40°3	40°3	41°5	42°3	43°2	48°40
57°2	57°0	58°5	61°0	61°2	57°3	52°8	50°0	48°6	47°1	—	—	—	—	—	—	54°08
—	—	—	—	—	—	—	—	—	—	57°0	56°0	54°6	53°3	52°6	52°1	
77°1	74°9	73°6	73°9	69°6	66°8	63°8	60°4	60°0	58°6	58°4	56°4	54°8	53°8	54°8	54°1	65°26
73°9	71°0	70°6	66°8	63°6	62°4	62°4	60°0	56°6	56°4	56°6	55°4	54°3	52°4	54°8	54°8	64°08
65°0	65°0	61°1	63°0	66°0	59°8	60°6	59°1	56°3	59°3	57°8	54°1	50°5	48°2	46°1	45°0	59°15
48°4	48°4	49°4	48°8	47°4	44°6	41°8	40°2	39°1	37°4	35°4	34°3	34°3	33°6	32°3	30°7	40°71
45°0	46°8	48°0	50°3	50°2	47°4	43°8	40°3	39°4	37°6	36°9	36°2	36°7	35°2	34°7	35°3	41°50
59°2	59°1	59°8	59°1	59°8	57°3	51°6	49°3	48°0	49°0	—	—	—	—	—	—	54°09
—	—	—	—	—	—	—	—	—	—	54°6	53°6	55°2	54°4	53°0	50°9	
61°0	61°8	60°8	60°2	62°3	60°2	61°8	54°6	50°8	49°0	48°0	47°4	47°1	46°3	45°2	43°2	56°93
54°8	55°4	55°6	54°8	55°0	51°2	47°4	45°5	44°2	41°0	41°8	40°8	39°7	39°7	37°9	37°9	47°49
60°0	61°0	62°4	61°3	61°0	56°3	54°4	49°3	46°2	45°4	44°3	43°3	41°8	40°5	39°5	40°5	50°90
47°6	47°3	47°7	47°1	47°4	47°6	44°2	40°8	39°2	38°1	37°2	38°0	35°5	34°3	34°1	33°7	43°68
59°4	58°8	60°3	61°0	61°8	59°0	55°8	52°8	50°6	48°6	46°6	43°2	41°4	38°9	37°5	36°6	51°23
51°6	50°4	49°3	50°6	48°4	48°0	44°2	41°2	39°7	38°1	—	—	—	—	—	—	47°04
—	—	—	—	—	—	—	—	—	—	49°2	50°4	49°3	49°0	49°6	51°4	
75°6	76°0	75°6	74°4	72°7	68°2	58°4	55°3	55°1	57°1	56°2	56°4	54°4	53°4	51°3	50°2	62°73
70°5	67°6	67°4	65°9	66°8	64°0	57°4	55°6	53°3	51°8	50°4	—	—	—	53°3	55°0	61°11
61°8	68°3	69°8	69°0	61°2	52°5	47°7	45°5	45°3	43°8	42°8	41°5	39°5	38°5	37°7	36°9	53°27
43°0	42°5	42°3	43°1	41°0	40°2	38°3	36°7	36°5	35°5	34°7	33°2	32°2	31°1	30°3	31°1	37°53
51°1	52°8	54°7	54°4	51°6	47°5	45°4	44°4	41°9	39°9	36°6	37°9	39°5	36°5	34°7	35°4	44°16
63°4	64°5	64°6	62°0	59°6	57°0	54°2	51°4	49°0	46°3	47°5	47°3	47°3	45°9	45°2	46°8	53°77
58°00	58°09	58°32	57°88	56°59	53°46	50°45	47°84	46°41	45°44	45°24	44°06	43°19	42°14	41°81	41°73	50°45
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62°78
68°4	71°1	70°0	71°3	70°9	67°0	64°8	61°7	60°8	60°3	60°8	58°5	59°2	57°8	57°3	57°0	
71°8	70°9	71°4	70°3	69°0	68°1	61°8	59°8	61°0	57°6	57°5	57°1	55°2	52°8	52°8	53°4	63°42
67°3	66°3	70°4	70°4	68°3	66°2	62°2	60°1	59°8	59°6	60°1	60°6	60°6	59°6	59°8	54°4	64°69
65°3	66°6	64°8	63°8	60°0	58°6	58°1	55°3	54°4	54°0	53°4	52°2	52°3	49°4	48°8	47°6	56°96
55°3	54°4	55°0	54°6	53°4	54°4	52°8	51°8	50°0	48°3	46°4	45°9	45°0	46°1	46°5	47°0	52°20
59°3	58°8	62°3	61°6	59°5	57°0	55°8	54°9	55°0	54°2	—	—	—	—	—	—	59°76
—	—	—	—	—	—	—	—	—	—	71°9	72°3	71°4	49°7	67°9	66°2	
83°2	83°2	84°0	83°4	74°9	71°1	67°7	64°8	63°5	63°0	60°3	57°4	56°2	55°9	53°4	54°6	70°06
70°3	72°9	71°8	69°8	61°6	66°5	65°2	64°6	63°6	64°2	63°2	58°6	58°0	58°4	58°0	59°2	66°93
71°9	72°1	70°6	69°0	67°3	66°0	61°6	59°0	58°6	58°4	58°8	58°6	58°6	59°0	59°7	59°1	63°99
70°1	69°2	73°7	75°0	53°9	71°9	67°0	64°2	64°1	63°5	65°3	64°8	63°3	60°3	58°8	58°3	65°63
71°4	71°0	69°4	72°7	69°1	67°3	63°6	61°8	60°6	58°8	57°2	56°0	55°4	54°6	53°4	53°2	63°58
66°4	64°4	66°2	66°3	64°7	61°1	53°6	49°4	47°5	46°4	—	—	—	—	—	—	57°78
—	—	—	—	—	—	—	—	—	—	54°6	54°5	52°6	51°3	49°6	49°9	
58°0	57°2	56°0	55°3	54°8	54°3	54°6	55°5	52°8	52°6	49°5	46°2	44°2	42°7	41°1	41°1	53°03
61°8	63°2	64°0	65°2	64°4	62°8	59°3	54°6	52°9	53°0	50°5	46°6	44°2	42°6	41°3	42°2	54°55
65°4	67°0	66°6	64°8	61°2	58°8	56°8	58°2	56°8	54°6	55°3	54°7	49°5	48°8	46°8	46°3	58°05
69°9	71°2	72°0	72°0	70°2	67°3	59°3	55°0	52°4	51°3	50°4	50°6	49°2	46°8	45°6	48°4	60°00
71°0	69°3	68°9	66°8	64°8	64°0	63°8	63°3	64°4	64°7	62°5	61°4	61°0	60°9	60°8	61°8	64°40
72°0	72°0	71°5	70°4	66°8	65°3	60°9	58°2	55°0	54°6	—	—	—	—	—	—	62°60
—	—	—	—	—	—	—	—	—	—	56°1	55°4	54°6	51°0	50°5	50°7	
80°7	81°0	81°0	81°6	78°2	75°0	71°3	70°7	66°8	64°3	63°1	60°6	59°3	58°4	59°4	60°1	69°08
73°6	80°3	78°4	78°1	76°8	72°6	69°6	67°8	66°5	65°0	63°2	61°3	60°1	58°5	56°0	54°4	69°36
65°3	65°1	67°2	66°4	66°9	63°9	57°0	54°8	53°8	49°9	48°5	45°6	48°3	47°8	45°2	43°6	58°03
69°8	70°1	71°1	71°9	74°5	68°7	64°3	58°8	54°0	51°6	50°3	48°1	48°5	48°9	51°4	51°4	60°60
72°5	74°0	74°6	74°3	72°0	69°0	62°1	60°6	58°0	56°4	56°5	56°6	56°6	56°0	55°0	55°8	64°15
61°3	59°5	61°5	62°1	62°5	61°8	59°4	56°4	55°9	56°0	—	—	—	—	—	—	58°25
—	—	—	—	—	—	—	—	—	—	56°0	55°3	54°1	53°0	52°5	53°2	
58°8	58°8	58°8	59°1	57°2	54°6	53°4	52°8	53°0	51°6	48°6	48°6	48°6	49°2	49°2	49°6	55°07
68°27	68°38	68°85	68°96	66°84	64°53	61°04	58°96	57°65	56°56	56°80	55°50	54°64	53°58	52°83	52°74	61°40

STANDARD THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
JULY.	1	51·2	54·5	57·4	59·6	59·4	59·6	59·1	58·4	55·6	55·3	55·6	57·6
	2	58·7	57·6	59·5	60·9	61·8	65·6	64·8	66·1	65·6	63·3	63·2	62·3
	3	50·9	54·3	56·4	59·1	60·4	62·5	63·9	62·8	63·8	65·8	66·3	65·3
	4	53·1	54·0	56·8	57·0	60·7	61·7	64·3	66·1	65·8	66·8	66·8	67·0
	5	52·6	56·6	61·9	67·1	67·8	69·6	70·4	71·2	72·4	73·7	71·4	71·3
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	65·8	71·7	76·0	77·8	80·7	82·0	83·6	83·4	82·2	82·6	81·2	80·0
	8	59·5	65·8	71·0	76·4	74·6	76·4	79·5	81·0	81·9	83·7	83·7	83·4
	9	62·2	65·5	68·4	69·7	70·1	69·9	70·3	73·2	75·2	74·5	76·3	75·7
	10	54·8	61·3	69·0	73·5	75·0	76·9	79·9	76·8	79·0	79·5	78·2	76·8
	11	59·3	68·3	72·7	78·0	80·3	83·5	86·3	86·8	88·0	89·3	88·0	83·6
	12	66·2	74·2	77·0	80·3	84·2	90·2	92·0	92·8	94·6	95·0	94·5	94·2
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	73·0	76·8	77·3	83·6	82·2	84·9	80·6	86·5	88·1	88·4	89·0	87·2
	15	69·8	74·4	76·2	79·7	82·1	84·3	84·0	85·7	87·0	88·0	88·1	87·0
	16	64·1	74·6	77·6	79·4	81·9	84·5	87·5	88·2	84·7	86·4	85·0	84·3
	17	71·8	73·7	75·9	79·0	80·4	81·7	83·2	85·2	86·5	86·8	86·5	83·2
	18	62·2	65·3	67·6	70·4	72·4	74·3	76·0	77·6	74·2	78·6	78·6	79·6
	19	61·2	62·3	64·4	63·8	64·8	71·4	71·7	71·0	72·5	75·4	73·0	72·0
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	70·1	74·2	74·8	78·2	79·8	83·5	82·4	84·3	86·0	86·4	87·5	86·8
	22	63·3	66·1	70·2	74·3	76·8	78·3	76·5	77·2	78·3	78·0	73·0	74·1
	23	59·0	60·3	62·2	62·2	64·3	66·8	67·0	67·3	68·0	68·0	66·6	67·6
	24	57·8	57·3	57·6	58·2	59·8	60·1	62·8	66·3	68·3	70·1	70·7	69·1
	25	56·6	63·5	68·5	70·7	73·8	73·6	75·3	75·2	76·2	75·8	76·5	74·9
	26	56·4	62·3	69·0	69·3	72·5	72·5	75·2	76·8	78·0	79·0	78·2	76·7
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	62·5	62·6	65·3	69·2	69·6	70·8	69·3	70·3	72·7	73·5	73·8	73·0
	29	58·0	59·6	59·3	60·2	61·8	62·8	63·8	65·4	68·0	70·5	67·5	65·9
	30	57·3	57·6	57·6	58·0	58·4	58·2	59·9	61·8	59·4	59·4	61·3	58·3
	31	51·4	55·2	60·1	63·2	65·2	64·6	66·2	66·4	67·9	68·3	68·5	68·3
Hourly Means		60·29	64·06	67·03	69·59	71·14	72·97	74·13	74·96	75·63	76·37	75·89	74·8
AUGUST.	1	56·2	59·8	63·7	66·5	67·0	70·7	69·5	73·0	72·7	67·6	67·6	67·5
	2	49·3	58·3	64·0	66·3	68·5	69·5	69·9	66·4	71·5	71·8	72·5	69·6
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	56·0	64·8	68·8	71·0	74·1	78·0	76·0	78·0	80·8	79·2	78·2	75·4
	5	59·1	66·2	71·0	72·6	74·4	77·3	79·6	81·0	80·4	80·2	78·2	76·1
	6	61·2	67·5	71·0	76·5	77·0	77·5	79·4	80·5	79·8	78·0	76·5	76·3
	7	58·4	68·6	72·4	76·4	77·4	78·5	79·8	81·9	83·7	83·5	84·8	79·1
	8	67·0	66·2	66·9	67·5	69·3	71·4	76·6	76·5	78·5	76·2	76·3	74·6
	9	65·0	70·6	74·8	78·2	78·6	79·6	79·6	81·0	81·8	82·4	82·8	81·6
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	66·3	67·3	68·6	69·0	72·1	76·1	77·2	71·2	72·0	72·7	74·4	77·3
	12	61·8	65·8	69·6	71·8	74·4	76·2	73·8	72·6	75·7	78·2	77·9	79·6
	13	57·8	61·5	63·3	64·1	65·0	65·6	65·0	66·2	68·6	67·0	70·4	68·6
	14	58·4	62·0	65·5	68·2	71·2	71·9	72·8	73·0	73·4	75·0	75·0	72·7
	15	57·3	64·0	69·2	72·0	72·5	74·0	73·5	73·8	74·2	74·3	74·7	74·2
	16	60·7	67·8	72·2	74·7	77·2	76·7	76·6	78·6	78·8	78·0	78·2	77·8
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	68·5	69·6	70·5	72·8	75·0	77·6	75·6	78·2	77·0	80·4	82·2	80·7
	19	66·9	66·7	66·7	68·1	68·6	71·0	72·4	72·7	73·8	73·0	74·5	73·8
	20	62·6	66·6	69·6	74·5	76·2	77·4	78·5	79·5	79·0	79·4	77·0	75·1
	21	63·8	71·0	73·8	76·7	78·0	79·3	79·5	79·0	81·2	81·5	79·0	78·0
	22	63·2	67·0	70·6	73·0	73·4	76·0	78·4	77·6	78·8	79·8	80·2	77·0
	23	61·9	65·0	73·2	77·2	78·4	80·6	79·4	80·8	80·6	80·8	78·7	78·4
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	55·8	61·8	68·8	71·4	74·0	77·2	76·2	76·2	77·8	78·8	77·5	78·4
	26	63·2	66·6	70·2	72·8	75·0	74·8	74·2	75·0	75·0	75·0	74·5	74·1
	27	61·7	61·9	61·4	61·3	61·5	63·3	64·3	66·2	66·4	66·0	65·6	65·4
	28	55·3	58·0	61·8	63·2	64·7	65·0	67·0	66·6	67·4	67·2	67·4	68·0
	29	58·5	65·0	67·4	70·7	71·8	74·6	74·6	73·0	75·5	78·4	77·4	75·3
	30	66·8	67·4	67·0	69·2	72·0	73·0	74·5	75·6	76·7	77·7	74·8	73·3
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		60·87	65·27	68·54	70·99	72·59	74·35	74·77	75·17	76·22	76·23	76·01	75·0

STANDARD THERMOMETER.

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
55·6	55·3	55·6	57·6	57·4	57·8	57·8	57·2	57·0	57·1	57·3	55·8	56·1	56·0	55·6	55·5	56·83
65·6	63·3	63·2	62·1	59·9	59·3	57·8	58·0	58·6	58·1	56·0	50·8	47·9	46·1	45·9	49·4	58·21
65·8	65·8	66·3	65·1	64·1	60·4	57·0	55·8	55·1	54·2	53·8	52·4	51·2	50·1	50·0	49·3	57·79
65·8	66·8	66·8	67·3	66·1	63·4	57·2	55·4	53·2	53·4	52·3	52·0	49 1	46·5	45·6	49·3	57·54
72·4	73·7	71·4	71·9	68·1	66·2	63·2	60·5	60·2	60·6	—	—	—	—	—	—	64·72
—	—	—	—	—	—	—	—	—	—	63·4	61·4	61·0	60·6	59·9	61·8	
82·2	82·6	81·2	80·0	79·8	75·2	71·7	68·6	67·2	62·8	62·2	59·4	56·3	55·6	56·2	56·8	71·62
81·9	83·7	83·7	83·4	80·4	76·4	72·0	70·7	68·8	67·3	63·7	62·0	58·4	58·0	54·4	56·0	71·04
75·2	74·5	76·3	75·7	73·1	67·3	59·4	56·3	54·6	54·0	55·0	50·7	49·5	48·7	48·0	48·3	63·16
79·0	79·5	78·2	76·8	75·2	68·9	62·9	58·5	57·4	57·4	57·2	54·8	54·6	53·8	52·5	51·3	66·01
88 0	89·3	88·0	83·6	80·7	76·6	71·6	68·1	66·1	65·8	65·2	64·0	63·0	61·8	62·3	60·1	73·72
94·6	95·0	94·5	94·2	92·1	88·7	80·6	77·5	79·0	79·0	—	—	—	—	—	—	82·32
—	—	—	—	—	—	—	—	—	—	74·4	74·0	76·1	74·6	72·0	71·9	
88·1	88·4	89·0	87·3	84·4	80·0	75·5	73·0	70·0	67·7	65·6	64·2	63·5	63·7	62·3	62·4	76·50
87·0	88·0	88·1	87·0	84·0	78·0	70·2	67·4	68·7	66·6	64·5	63·6	65 4	63·4	60·7	62·5	75·05
84·7	86·4	85·0	84·3	83·3	81·2	77·5	74·2	72·0	70·5	71·2	71·3	71·2	70·1	69·9	69·1	77·57
86·5	86·8	86·5	85·2	83·6	79·8	73·4	67·4	71·2	68·3	66·7	64·6	60·9	57·2	55·7	56·8	74·15
74·2	78·6	78·6	76·6	78·0	74·0	64·9	60·6	57·2	56·1	55·0	54·0	54·7	54·6	56·3	57·2	66·64
72·5	75·4	73·0	72·0	69·6	67·2	65·2	62·9	61·8	63·0	—	—	—	—	—	—	67·85
—	—	—	—	—	—	—	—	—	—	73·2	71·2	69·5	69·2	67·2	64·9	
86·0	86·4	87·5	84·4	80·9	75·0	69·0	68·0	71·5	68·2	67 8	63·6	62·6	58·7	58·8	60·1	73·55
78·3	78·0	73·0	73·1	72·0	70·6	68·6	64·8	62·7	60·4	59 6	59·9	58·8	58·1	57·5	57·0	68·14
68·0	68·0	66·6	67·6	67·0	65·2	63·2	62·8	61·1	59·4	56·3	58·3	57·0	58·3	57·8	57·4	62·63
68·3	70·1	70·7	69·3	71·0	64·7	58·4	58·9	59·6	57·0	55·0	52·6	54·2	54·0	53·5	54·2	60·48
76·2	75·8	76·5	74·9	72·0	68·2	63·7	61·5	58·2	55·6	56·0	54·5	55·1	55·0	55·1	51·4	65·25
78·0	79·0	78·2	76·1	73·2	67·9	60·6	67·1	67·0	66·9	—	—	—	—	—	—	68·31
—	—	—	—	—	—	—	—	—	—	61·2	60·1	60·3	60·9	60·2	61·0	
72·7	73·5	73·8	73·0	69·9	67·0	63·3	61·9	55·0	52·4	51·3	53·0	54·2	54·8	54·8	56·0	63·59
68·0	70·5	67·5	69·1	66·1	64·2	64·1	63·3	61·6	61·2	59 9	57·2	56·1	59·0	59·8	58·8	62·23
59·4	59·4	61·3	58·3	56·0	57·8	56·2	55·1	54·3	53·3	52·5	52·0	50·9	50·4	48·3	47·2	55·97
67·9	68·3	68·5	68·3	65·4	62·2	58·2	57·5	56·5	55·1	53·3	50·7	48·8	50·7	51·5	52·4	59·48
75·63	76·37	75·89	74·93	72·89	69·75	65·53	63·44	62·43	61·17	60·35	58·82	58·01	57·40	56·73	56·86	66·68
72·7	67·6	67·6	67·3	64·3	62·3	59·5	54·8	53·0	51·6	53·5	47·6	46·5	44·7	44·9	44·8	59·55
71·5	71·8	72·5	69·4	69·4	63·0	58·5	59·2	56·0	57·0	—	—	—	—	—	—	62·29
—	—	—	—	—	—	—	—	—	—	58·8	57·8	56·0	55·0	54·4	52·0	
80·8	79·2	78·2	75·4	76·4	72·4	69·2	63·8	60·7	58·6	57 0	55·6	55·0	54·2	54·6	52·6	67·10
80·4	80·2	78·2	76·2	77·3	72·8	67·8	64·3	62·2	62·4	60·5	57·8	57·3	57·3	56·3	56·6	68·72
79·8	78·0	76·5	75·3	76·1	72·7	66·2	63·8	61 2	60·6	59·8	58·8	58·1	57·2	56·6	56·3	68·80
83·7	83·5	84·8	79·3	75·1	73·7	68·8	66·5	65·8	65·6	66·1	66·4	66·1	64·4	64·3	69·6	72·41
78·5	76·2	76·3	74·0	74·8	72·0	69·2	66·9	65·5	65·3	65·3	65·8	65·3	64·9	64·9	63·4	69·61
81·8	82·4	82·8	81·8	78·6	72·6	69·2	67·4	65·9	65·6	—	—	—	—	—	—	73·11
—	—	—	—	—	—	—	—	—	—	67·1	67·3	66·1	66·3	66·2	66·3	
72·0	72·7	74·4	77·3	76·5	71·6	69·3	68·3	67·2	66·7	64·9	63·3	63·1	62·8	61·3	60·1	69·14
75·7	78·2	77·9	79·4	75·6	72·2	67·2	60·5	57·3	57·3	56·8	55·2	54·6	54·1	54·0	53·5	66·48
68·6	67·0	70·4	68·8	66·6	65·8	64·8	62·4	62·0	63·7	62·4	60·4	58·6	55·2	58·8	58·2	63·51
73·4	75·0	75·0	72·1	71·7	65·9	60·9	58·4	56·0	56·1	55·8	56·8	57·8	56·5	57·2	57·3	64·56
74·2	74·3	74·7	73·2	71·0	68·2	65·1	62·6	61·4	61·4	60·3	59·9	60·3	60·2	60·1	58·8	66·79
78·8	78·0	78·2	77·6	76·5	67·5	64·6	64·0	62·2	60·4	—	—	—	—	—	—	70·77
—	—	—	—	—	—	—	—	—	—	67·3	67·5	67·6	68·0	68·0	67·8	
77·0	80·4	82·2	80·7	78·2	75·0	72·7	71·1	69·9	68·2	69·0	68·3	68·1	65·9	65·5	65·9	72·66
73·8	73·0	74·5	73·8	73·0	66·6	64·6	65·3	62·6	62·6	63·0	63·4	63·0	62·7	62·9	62·8	67·40
79·0	79·4	77·0	75·1	74·0	71·7	69·2	68·2	67·0	65·6	65·0	64·1	64·2	63·2	62·1	61·9	70·50
81·2	81·5	79·0	78·6	77·8	73·0	72·4	72·5	71·3	70·4	68·2	66·2	65·3	64·9	64·4	63·0	72·89
78·8	79·8	80·2	77·0	75·0	69·2	65·5	62·7	61·3	59·6	59·4	61·4	61·4	60·4	60·3	61·3	68·85
80·6	80·8	78·7	78·1	76·5	72·2	69·5	74·3	72·0	70·3	—	—	—	—	—	—	70·58
—	—	—	—	—	—	—	—	—	—	57·4	60 6	60·5	58·3	53·4	53·5	
77·8	78·8	77·5	78·0	76·5	73·0	71·7	70·5	69·9	65·0	62·2	60·2	60·9	60·9	60·4	59·3	69·29
75·0	75·0	74·5	74·7	71·6	68·6	64·0	63·8	63 4	62·0	61·8	61·6	61·4	61·3	61·8	61·9	68·09
66·4	66·0	65·6	65·6	65·2	65·2	63·4	62·3	60·1	57·5	56·7	55·8	54·2	55·0	55·2	55·2	61·28
67·4	67·2	67·4	68·2	66·0	63·2	63·0	62·9	62·9	63·4	63·3	62·5	62·2	61·1	58·4	56·1	63·11
75·5	78·4	77·4	75·3	74·4	73·2	73·0	70·4	68·6	69·0	68·8	68·6	66·6	66·0	66·0	66 3	70·55
76·7	77·7	74·8	73·1	72·9	66·1	64·2	62·4	60·5	59·9	—	—	—	—	—	—	65·19
—	—	—	—	—	—	—	—	—	—	53·5	52·4	52·2	51·4	51·6	52·3	
76·22	76·23	76·01	75·[illegible]	73·24	69·60	66·67	64·97	63·30	62·53	61·09	60·97	60·48	59·69	59·29	59·11	67 82

STANDARD THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
SEPTEMBER.	1	54·4	56·8	62·8	64·5	67·6	69·4	69·7	67·8	68·5	66·8	65·9	64·7
	2	62·4	65·5	68·0	68·8	69·3	70·3	72·0	72·8	73·8	72·8	72·7	70·3
	3	57·1	61·6	65·1	69·1	72·0	74·2	76·6	76·4	77·6	78·6	79·2	79·0
	4	61·1	62·2	65·2	67·3	70·1	72·6	75·1	77·6	78·4	77·3	76·0	72·9
	5	55·2	58·6	61·3	62·6	65·6	68·5	70·2	69·7	61·2	63·7	64·8	61·3
	6	46·1	53·5	54·5	57·4	60·3	65·6	63·7	65·2	66·8	64·3	64·7	65·0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	42·3	47·5	51·2	54·3	55·8	57·3	58·0	58·0	58·8	58·8	59·2	58·2
	9	49·3	51·3	52·8	58·1	61·4	64·0	65·5	66·6	66·2	66·3	65·7	63·8
	10	50·2	54 1	56·5	59·3	62·2	59·2	55·3	59·6	61·5	63·4	62·2	61·4
	11	41·6	49·8	52·9	56·4	58·8	60·9	60·3	61·8	59·0	62·7	60·1	60·2
	12	41·6	48·2	51·1	56·2	56·2	56·3	57·0	57·3	57·3	58·1	57·8	56·2
	13	53·6	54·2	55·2	57·0	57·6	58·0	56·5	56·4	56·4	57·4	59·1	61·1
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	52·6	56·0	58·6	61·9	66·4	68·3	69·6	69·6	69·2	69·0	67·2	64·7
	16	38·8	44·6	49·6	53·0	55·8	56·8	57·0	56·3	57·2	57·8	58·8	57·3
	17	39·7	43·8	48·2	53·6	57·8	58·9	61·0	62·5	63·8	63·3	65·2	63·3
	18	61·3	62·6	62·6	66·2	69·9	71·3	71·6	72·0	74·7	73·8	69·9	67·1
	19	46·2	50·1	52·2	57·2	58·3	59·3	59·5	60·1	61·1	61·6	62·4	58·4
	20	53·3	53·8	54·8	57·0	56·2	55·0	55·2	57·0	57·8	56·0	55·6	55·3
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	35·0	40·0	44·0	48·3	50·9	53·2	51·8	50·7	54·8	52·8	54·0	51·3
	23	49·3	49·6	50·5	50·1	50·1	49·7	50·1	50·4	51·3	52·2	52·5	52·4
	24	48·1	49·2	50·2	50·1	51·3	51·8	52·3	52·8	51·8	51·8	51·5	51·2
	25	42·3	45·0	47·8	51·4	55·2	56·4	58·6	56·9	56·9	57·5	56·3	53·2
	26	47·6	50·9	52·3	53·1	53·4	51·0	52·0	53·0	57·0	59·0	58·2	57·8
	27	38·4	42·5	48·6	52·2	54·6	55·0	56·6	57·0	56·8	55·0	54·1	52·0
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	56·4	59·6	64·3	65·5	66·6	69·0	69·6	69·2	68·2	66·6	67·0	65·2
	30	59·0	58·8	58·8	59·2	59·8	60·9	62·3	65·3	63·5	63·8	60·9	60·4
Hourly Means		49·34	52·68	55·35	58·07	60·12	61·27	61·81	62·38	62·68	62·71	62·35	60·91
OCTOBER.	1	52·1	52·2	51·9	57·7	57·7	59·1	59·0	58.7	58·9	56·9	55·0	53·9
	2	47·4	49·0	51·5	53·5	50·1	57·2	57·5	58·7	57·5	58·9	58·1	57·2
	3	56·3	54·4	53·5	53·5	54·1	54·7	55·1	55·8	56·3	56·3	55·2	54·1
	4	50·4	49·6	49·9	51·4	53·2	53·6	56·7	56·6	57·2	58·1	57·0	56·0
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	33·2	37·8	42·0	46·0	48·5	50·1	50·2	50·4	50·4	50·0	49·5	47·3
	7	38·4	39·9	46·6	51·7	54·1	54·5	55·1	54·3	54·1	54·1	53·5	52·9
	8	47·6	49·1	51·7	53·5	56·5	58·1	58·3	57·3	56·1	54·9	54·5	54·6
	9	57·7	57·9	60·2	59·7	62·7	61·1	62·2	62·5	62·9	63·1	62·7	60·6
	10	51·9	53·3	56·5	57·1	57·5	59·5	59·7	59·3	59·1	58·9	58·6	58·3
	11	56·2	56·2	55·4	55·1	54·9	54·2	54·8	56·0	55·7	55·5	55·1	54·6
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	38·1	38·4	42·7	45·5	48·2	51·2	52·0	52·9	53·8	53·4	53·3	51·9
	14	50·8	47·2	46·0	45·6	46·3	47·8	49·4	48·6	48·4	46·8	46·4	43·0
	15	27·7	28·6	34·6	38·1	38·9	41·1	40·6	43 3	42·8	40·9	40·3	38·8
	16	33·5	33·5	37·3	41·7	43·4	44·8	45·0	46·0	45·3	45·8	45·4	43·3
	17	34·6	36·4	39·7	42·7	48·0	49·8	51·2	50·9	51·7	52·1	50·9	48·3
	18	35·4	36·3	42·2	49·8	50·8	52·6	55·1	56·5	57·5	57·9	55·0	52·3
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	38·9	38·9	38·7	39·1	39·9	42·2	40·8	41·2	40·8	38·9	37·3	36·3
	21	24·6	26·9	29·5	31·8	33·4	33·1	34·9	35·1	34·3	33·2	32·7	31·0
	22	21·7	22·5	28·7	35·3	37·2	37·9	38·5	39·3	39·3	40·5	41·3	38·2
	23	23·8	24·6	31·3	37·6	43·0	43·5	44·8	47·4	48·7	49·2	48·9	44·3
	24	42·4	42·5	44·8	47·9	50·9	53·9	52·7	52·5	51·9	51·9	50·2	45·8
	25	41·0	42·5	44·0	47·2	48·6	50·2	50·8	50·5	49·5	48·4	47·5	46·1
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	37·7	37·6	43·5	50·6	52·9	55·7	57·5	58·7	60·0	60·2	58·5	53·3
	28	44·1	45·5	48·3	52·7	55·2	57·3	58·4	59·0	59·8	59·8	58·3	53·9
	29	36·7	37·3	40·8	49·3	52·7	55·0	57·1	59·8	59·8	60·3	61·8	58·1
	30	55·8	57·2	58·2	59·1	58·3	59·0	60·8	54·9	53·1	52·4	52·3	50·0
	31	49·4	50·0	50·8	50·8	52·7	53·7	54·1	54·1	56·5	55·1	55·4	54·0
Hourly Means		41·75	42·42	45·19	48·29	50·21	51·51	52·31	52·60	52·64	52·35	51·65	49·7

8	9	10	11
2	3	4	5
°	°	°	°
68·5	66·8	65·9	64·7
73·8	72·8	72·7	70·3
77·6	78·6	79·2	79·0
78·4	77·3	76·0	72·9
61·2	63·7	64·8	61·3
66·8	64·3	64·7	63·0
—	—	—	—
58·8	58·8	59·2	58·2
66·2	66·3	65·7	63·8
61·5	63·4	62·2	61·4
59·0	62·7	60·1	60·2
57·3	58·1	57·8	56·2
56·4	57·4	59·1	61·1
—	—	—	—
69·2	69·0	67·2	64·7
57·2	57·8	58·8	57·3
63·8	63·3	65·2	63·3
74·7	73·8	69·9	67·1
61·1	61·6	62·4	58·4
57·8	56·0	55·6	55·3
—	—	—	—
54·8	52·8	54·0	51·3
51·3	52·2	52·5	52·4
51·8	51·8	51·5	51·2
56·9	57·5	56·3	53·2
57·0	59·0	58·2	57·8
56·8	55·0	54·1	52·0
—	—	—	—
68·2	66·6	67·0	65·2
63·5	63·8	60·9	60·4
62·68	62·71	62·35	60·91
58·9	56·9	55·0	53·9
57·5	58·9	58·1	57·2
56·3	56·3	55·2	54·1
57·2	58·1	57·0	56·0
—	—	—	—
50·4	50·0	49·5	47·3
54·1	54·1	53·5	52·9
56·1	54·9	54·5	54·6
62·9	63·1	62·7	60·8
59·1	58·9	58·6	58·3
55·7	55·5	55·1	54·6
—	—	—	—
53·8	53·4	53·3	51·9
48·4	46·8	46·4	43·8
42·8	40·9	40·3	38·8
45·3	45·8	45·4	43·3
51·7	52·1	50·9	48·3
57·5	57·9	55·0	52·3
—	—	—	—
40·8	38·9	37·3	36·3
34·3	33·2	32·7	31·0
39·3	40·5	41·3	38·2
48·7	49·2	48·9	44·3
51·9	51·9	50·2	48·5
49·5	48·4	47·5	46·7
—	—	—	—
60·0	60·2	58·5	55·5
59·8	59·8	58·3	55·1
59·8	60·3	61·8	58·1
53·1	52·4	52·3	50·0
56·5	55·1	55·4	54·0
0	52·64	52·35	51·65	49·7

STANDARD THERMOMETER.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	—	—	—	—	°
64·1	63·1	63·4	63·3	63·3	62·7	62·7	63·7					64·25
67·0	65·2	63·6	62·4	60·1	60·1	60·1	59·6	58·5	58·2	57·4	55·0	65·25
76·7	70·3	64·8	62·3	64·4	64·7	63·0	58·8	55·8	57·8	56·8	60·2	67·59
69·9	66·2	64·0	61·2	59·0	57·8	55·2	55·2	55·0	55·2	54·8	54·4	65·13
60·8	59·0	57·4	53·8	51·8	53·2	53·4	53·0	51·0	51·2	50·3	49·6	58·63
64·4	63·3	63·6	63·4	63·1	63·0	—	—	—	—	—	—	57·19
—	—	—	—	—	—	48·3	46·5	45·5	42·9	39·9	41·5	
55·8	48·4	46·2	46·8	47·0	46·8	49·8	54·6	53·0	51·2	48·3	48·0	52·30
62·5	60·6	58·3	55·2	54·3	54·0	52·2	50·7	49·9	48·6	49·2	49·2	57·32
59·4	57·0	54·6	49·9	48·9	49·2	48·3	45·3	45·1	46·6	41·4	41·2	53·83
57·0	52·3	51·2	50·5	45·8	45·4	45·4	43·4	43·8	42·6	41·6	41·4	51·87
53·8	49·9	48·5	47·2	46·8	44·8	49·2	47·3	52·6	53·6	53·5	53·4	52·25
61·8	62·4	62·1	62·0	52·2	51·8	—	—	—	—	—	—	55·89
—	—	—	—	—	—	50·1	49·8	52·2	51·8	51·4	51·5	
60·9	57·5	55·3	52·3	50·5	50·1	49·7	49·0	47·9	47·3	46·7	40·3	57·53
54·2	49·4	47·6	45·8	44·8	43·3	42·2	41·4	41·4	42·4	39·7	38·4	48·90
62·4	62·0	81·2	62·8	61·0	61·9	60·7	62·0	60·4	61·4	59·6	59·3	58·99
63·5	59·4	57·8	55·0	52·8	52·2	51·4	50·9	50·1	48·2	46·8	46·2	60·72
57·5	52·8	52·8	53·2	52·8	52·8	52·8	52·4	53·2	53·1	53·3	53·0	55·25
55·5	52·8	52·3	50·4	49·9	49·5	—	—	—	—	—	—	50·20
—	—	—	—	—	—	39·4	38·6	38·3	38·2	37·6	35·4	
50·3	49·3	50·6	51·2	51·5	50·1	49·2	48·5	48·0	48·3	48·1	49·9	49·24
50·9	48·8	49·1	49·3	49·5	49·4	47·1	48·7	48·5	48·5	47·6	46·5	49·67
50·1	47·6	47·0	46·2	45·0	45·8	45·8	44·8	44·3	44·0	43·0	40·2	48·16
50·7	47·8	48·0	47·0	47·2	47·0	48·4	45·8	46·6	46·5	47·7	46·8	50·33
54·8	52·6	49·0	49·3	48·5	47·8	47·3	44·8	42·0	40·6	40·4	39·2	50·07
51·2	50·7	48·3	47·8	49·2	48·0	—	—	—	—	—	—	52·62
—	—	—	—	—	—	57·0	56·0	58·5	58·1	57·8	57·4	
64·5	64·2	64·7	64·4	63·8	63·6	61·8	62·7	60·5	59·8	59·2	59·0	63·98
58·6	58·6	56·6	56·3	55·8	54·8	55·8	53·9	52·3	53·4	52·7	52·7	58·09
59·16	56·58	55·31	54·22	53·04	52·67	51·78	51·05	50·18	49·98	48·99	48·39	55·92
52·3	49·4	47·2	46·2	44·6	43·5	42·8	42·0	42 8	42·5	45·5	46·7	50·78
56·7	56·2	55·3	54·8	54·6	54·6	52·7	54·7	55·7	56·4	56·1	55·9	55·26
52·9	52·1	51·7	51·9	51·7	51·5	51·4	51·2	51·3	51·2	51·2	50·4	53·24
54·9	54·2	52·3	51·3	51·1	51·3	—	—	—	—	—	—	48·41
—	—	—	—	—	—	34·5	33·3	32·3	32·2	32·7	32·0	
41·2	38·7	37·5	37·5	36·9	37·3	35 7	35·7	35·6	36·9	36·2	36·8	41·73
51·7	51·1	51·5	50·4	50·0	50·1	50·4	48·4	48·2	47·7	47·6	48·6	50·20
55·0	55·5	55·3	55·4	55·5	55·7	55·8	56·7	57·2	58·5	58·7	57·9	55·39
54·5	51·7	49·8	50·6	52·7	52·3	52·1	50·2	48·5	47·6	46·2	50·9	55·86
58·5	59·0	59·4	59·5	59·3	58·9	58·3	56·3	55·9	55·5	55·1	55·7	57·55
53·9	53·7	53·3	51·8	51·2	49·2	—	—	—	—	—	—	49·92
—	—	—	—	—	—	38·1	36·7	35·3	33·9	37·9	39·4	
51·5	51·5	51·7	51·5	52·4	52·9	53·2	53·2	53·6	53·4	53·3	53·2	50·53
41·3	40·5	40·5	40·2	40·1	40·1	36·7	35·2	34·4	33·1	31·7	29·1	42·05
36·8	35·7	32·9	32·3	31·0	31·4	30·5	30·4	30·5	30·4	32·3	33·3	35·13
36·5	37·3	34·7	34·4	36·3	36·3	35·5	31·8	31·4	33·5	33·7	33·9	38·35
42·6	41·4	44·1	41·6	36·9	35·1	34·4	33·9	33·4	32·9	32·9	33·6	41·63
51·1	50·4	49·1	48·7	47·7	45·8	—	—	—	—	—	—	47·90
—	—	—	—	—	—	44·3	41·1	44·0	43·2	40·8	39·1	
34·2	33·1	32·2	31·4	29·9	27·4	24·7	25·2	24·6	24·7	23·1	23·0	33·60
29·9	27·6	27·2	28·5	28·5	28·0	25·7	24·5	25·6	24·6	24·3	20·8	28·99
36·5	30·3	28·4	27·4	27·2	27·6	25·9	26·0	25·2	24·8	24·3	24·3	31·18
44·7	45·1	45·5	45·6	44·3	41·6	41·8	41·2	41·5	42·2	41·7	42·0	41·85
41·2	40·4	40·8	42·3	41·4	40·6	40·1	40·2	40·7	40·7	39·9	39·5	44·78
45·8	45·8	45·5	44·9	44·9	44·5	—	—	—	—	—	—	44·90
—	—	—	—	—	—	41·1	40·8	40·8	39·7	38·7	38·3	
51·1	50·4	46·4	45·0	44·3	43·6	43·4	42·4	42·1	41·5	40·1	40·8	48·30
50·9	46·7	44·9	48·2	49·0	49·1	46·0	43·9	40·4	38·1	37·1	37·9	49·44
56·7	54·1	52·9	51·1	50·6	57·2	61·2	60·4	60·4	58·4	58·9	57·7	54·54
49·4	49·1	48·9	48·3	48·7	48·9	48·8	48·9	48·9	49·3	49·7	49·2	52·47
55·1	54·0	54·1	53·6	54·2	54·9	53·0	56·1	53·6	51·9	49·1	48·6	53·14
47·66	46·48	45·67	45·35	45·00	44·79	42·89	42·35	41·99	41·66	41·44	41·43	46·56

STANDARD THERMOMETER.

		Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
		Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
NOVEMBER.	1		47°5	47°3	47°2	50°9	53°2	52°7	55°5	54°7	59°2	57°7	56°9	52°1
	2		—	—	—	—	—	—	—	—	—	—	—	—
	3		38·3	37·9	38·9	39·9	40·8	48·9	48·5	49·1	48·2	46·1	44·0	42·8
	4		39·0	39·2	39·7	41·6	43·7	43·5	44·2	44·4	44·4	44·2	43·4	42·3
	5		39·7	39·3	39·4	40·0	40·5	43·6	44·6	44·4	42·5	42·5	42·7	43·5
	6		41·8	41·8	42·8	43·7	45·3	43·9	43·6	44·4	44·2	45·0	44·2	43·0
	7		38·1	38·1	37·7	39·1	40·1	40·3	41·3	41·8	42·3	41·9	41·7	40·9
	8		36·5	36·5	36·7	36·3	35·9	35 0	34·3	34·2	34·2	34·4	34·1	34·1
	9		—	—	—	—	—	—	—	—	—	—	—	—
	10		34·7	36·2	38·7	39·7	41·1	43·2	45·1	45·5	46·7	45·5	45·5	40·1
	11		37·3	37·3	37·4	37·4	37·9	39·1	41·1	41·4	42·5	42·5	41·9	40·7
	12		30·1	30·4	33·2	37·7	39·5	40·1	41·1	41·5	41·3	40·2	40·2	37·6
	13		36·1	36·1	37·5	43·4	45·8	49·2	49·2	50·0	49·7	50·0	48·9	47·0
	14		38·2	40·2	41·2	43·2	43·5	47·8	51·2	51·5	51·5	49·2	48·2	45·8
	15		30·7	31·2	32·5	35·3	38·8	42·0	40·7	42·0	43·0	43·2	42·2	41·1
	16		—	—	—	—	—	—	—	—	—	—	—	—
	17		37·5	39·6	41·1	42·9	44·0	45·1	45·7	45·5	45·6	46·2	46·6	[illegible]
	18		47·1	47·1	48·0	48·8	49·3	52·1	51·5	52·4	51·7	52·0	52·0	[illegible]
	19		45·4	44·7	43·6	44·4	44·0	44·0	44·2	44·4	43·5	43·0	42·5	[illegible]
	20		37·5	37·5	38·9	44·3	49·1	52·2	53·2	52·9	52·3	51·1	49·3	[illegible]
	21		35·0	33·9	34·5	36·1	36·5	38·7	38·4	37·2	37·7	36·5	34·6	[illegible]
	22		30·3	31·4	32·4	33·3	34·1	34·6	35·5	36·1	36·8	35·9	35·7	[illegible]
	23		—	—	—	—	—	—	—	—	—	—	—	—
	24		23·3	21·9	22·5	25·5	27·4	28·8	29·1	28·0	28·5	27·4	25·8	24·0
	25		32·2	32·3	34·5	37·5	38·7	39·9	40·1	40·5	40·1	38·6	37·7	36·3
	26		32·9	32·7	32·5	32·3	32·3	32·2	32·3	32·5	32·7	32·9	32·7	32·4
	27		23·1	22·5	21·9	20·6	19·8	19·8	20·0	22·8	23·3	22·5	21·8	22·1
	28		9·1	9·1	9·4	12·1	13·4	15·8	17·8	18·0	18·6	20·1	17·1	15·1
	29		15·2	16·3	17·1	18·1	20·4	21·7	22·5	22·3	21·7	21·6	22·1	23·5
	30		—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means			34·26	34·42	35·17	36·96	38·20	39·73	40·52	40·70	40·89	40·41	39·28	38·02
DECEMBER.	1		19·4	19·6	19·4	20·0	20·8	21·4	22·3	22·9	22·7	22·8	22·1	21·4
	2		10·9	10·7	12·0	13·0	15·7	16·3	16·8	17·8	18·2	18·2	16·5	14·1
	3		10·4	11·4	12·5	14·9	15·5	15·9	17·0	19·4	19·6	19·9	22·0	22·3
	4		27·0	27·5	27·9	28·8	30·4	31·5	28·8	28·8	29·7	29·7	28·7	27·4
	5		22·3	22·1	22·6	23·0	24·9	25·2	26·0	26·6	25·8	25·4	24·6	23·7
	6		22·6	22·4	23·9	24·6	25·6	26·4	26·4	27·2	26·9	26·8	25·6	24·0
	7		—	—	—	—	—	—	—	—	—	—	—	—
	8		25·2	25·2	25·6	27·3	28·2	30·3	31·0	31·4	31·8	32·3	31·8	30·3
	9		30·1	30·7	30·5	31·2	31·8	31·7	32·2	32·4	33·2	32·9	32·3	31·8
	10		16·5	15·9	14·4	16·8	17·8	18·2	17·9	17·3	17·9	18·7	17·1	16·9
	11		5·9	5·3	4·6	4·0	5·6	7·3	8·9	10.2	11·1	10·3	10·0	9·4
	12		3·7	3·3	1·9	6·7	11·2	13·3	15·0	17·5	20·2	20·6	20·4	19·9
	13		16·7	14·2	16·7	25·5	29·4	30·2	30·1	30·2	30·7	30·7	30·4	31·0
	14		—	—	—	—	—	—	—	—	—	—	—	—
	15		32·2	31·5	32·9	33·3	33·6	33·9	32·3	31·1	31·1	31·8	31·6	30·4
	16		23·1	22·6	25·8	27·6	30·1	32·3	33·9	34·3	34·5	34·7	33·7	31·8
	17		23·9	30·3	30·7	32·6	34·5	34·7	36·2	37·4	37·1	37·3	37·6	37·1
	18		34·3	33·1	33·4	33·9	35·3	35·3	35·7	35·6	35·9	34·9	34·1	33·7
	19		6·9	8·6	10·2	12·1	14·6	14·8	14·3	13·6	13·6	13·0	13·0	13·0
	20		9·5	10·0	10·6	11·5	12·1	14·0	14·4	15·5	16·3	16·2	15·7	14·8
	21		—	—	—	—	—	—	—	—	—	—	—	—
	22		11·3	11·8	11·8	13·5	16·5	18·4	19·8	20·0	20·6	21·0	20·6	17·4
	23		14·4	16·7	17·7	18·5	21·1	23·5	25·4	26·2	25·5	25·0	24·6	22·1
	24		19·9	19·5	19·2	20·4	22·5	25·0	26·8	27·5	28·6	28·2	27·5	26·8
	25		—	—	—	—	—	—	—	—	—	—	—	—
	26		17·2	16·2	15·0	15·7	17·2	17·3	19·1	20·9	21·7	22·3	21·2	19·1
	27		17·1	16·8	16·6	19·6	22·9	25·6	27·6	28·4	29·3	29·1	28·7	27·4
	28		—	—	—	—	—	—	—	—	—	—	—	—
	29		33·1	33·1	33·9	34·7	35·2	35·5	36·1	36·6	36·9	35·9	36·3	34·7
	30		29·1	28·2	27·8	28·5	28·2	28·7	29·1	29·1	28·4	27·6	25·2	24·1
	31		11·8	11·1	12·1	13·0	15·6	19·0	21·0	22·3	24·2	24·4	23·4	23·1
Hourly Means			19·02	19·15	19·61	21·18	22·93	24·07	24·77	25·39	25·83	25·76	25·18	23·9

STANDARD THERMOMETER.

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
59·2	57·7	56·9	52·1	51·1	48·6	41·5	42·1	39·7	39·7	—	—	—	—	—	—	46·65
—	—	—	—	—	—	—	—	—	—	36·6	35·3	35·1	38·5	38·2	38·3	
48·2	46·1	44·0	42·8	42·3	42·8	41·8	41·0	41·1	40·7	40·0	38·1	36·5	37·5	38·5	38·5	41·76
44·4	44·2	43·4	42·3	41·1	41·3	41·6	40·8	40·6	40·6	40·6	40·6	40·3	40·3	40·3	40·2	41·58
42·5	42·5	42·7	43·5	42·5	41·6	40·4	40·4	40·4	41·8	42·2	42·1	41·7	42·3	42·4	42·4	41·79
44·2	45·0	44·2	43·0	41·5	41·3	40·8	39·9	40·2	40·1	40·2	40·5	40·1	40·0	39·9	38·1	41·93
42·3	41·9	41·7	40·9	40·6	40·4	40·4	40·2	40·2	40·2	40·0	39·7	39·4	38·7	37·5	36·9	39·90
34·2	34·4	34·1	34·1	33·7	33·1	33·2	33·5	33·8	33·9	—	—	—	—	—	—	34·82
—	—	—	—	—	—	—	—	—	—	35·5	35·1	34·7	35·3	36·3	35·4	
46·7	45·5	45·5	40·1	36·7	34·5	33·8	38·3	38·5	38·7	37·3	38·5	37·3	36·9	36·9	37·0	39·43
42·5	42·5	41·9	40·1	39·9	38·7	38·1	38·2	37·7	37·1	36·4	35·9	35·9	34·4	34·4	30·7	38·07
41·3	40·2	40·2	37·6	36·9	35·2	33·9	33·9	31·2	32·0	35·3	35·3	34·6	33·4	35·3	36·1	36·08
49·7	50·0	48·9	47·0	45·3	44·7	44·7	44 8	45·6	48·2	48·0	44·9	44·5	40·6	37·6	38·9	44·61
51·5	49·2	48·2	45·8	44·2	43·2	42·8	41·5	38·6	38·1	37·0	36·1	34·5	35·1	34·5	32·8	42·00
43·0	43·2	42·2	41·1	40·8	40·3	46·3	41·2	42·2	42·3	—	—	—	—	—	—	38·99
—	—	—	—	—	—	—	—	—	—	37·5	37.3	36·4	30·3	36·4	36·1	
45·6	46·2	46·6	[illegible]	47·1	46·7	47·2	47·7	48·7	48·3	48·9	48·6	48·6	47·5	47·8	47·2	45·88
51·7	52·0	52·0	[illegible]	52·7	53·3	52·9	53·4	52·2	50·0	49·3	50·1	49·1	46·7	45·9	45·4	50·21
43·5	43·0	42·5	[illegible]	41·3	41·4	38·9	33·6	31·6	31·0	31·8	33·7	36·9	36·7	38·3	38·3	39·91
52·3	51·1	49·3	[illegible]	46·3	44·2	44·2	43·4	42·9	40·7	40·5	38·3	37·1	37·1	37·3	36·3	44·08
37·7	36·5	34·6	[illegible]	32·9	32·7	32 0	30·6	27·6	30·4	30·4	30·8	31·3	31·2	29·8	29·0	33·40
36·8	35·9	35·7	[illegible]	35·7	36·3	36·9	37·6	37·9	38·1	—	—	—	—	—	—	32·45
—	—	—	—	—	—	—	—	—	—	25·2	24·6	24·4	24·4	22·9	23·3	
28·5	27·4	25·8	24·0	22·8	21·9	24·0	25·4	24·6	24·0	21·6	21·6	23·8	29·9	25·6	31·2	25·36
40·1	38·6	37·7	36·1	36·9	36·7	36·1	36·6	33·9	31·8	29·2	29·0	29·0	29·7	30·4	32·7	35·02
32·7	32·9	32·7	32·4	32·3	32·3	32·2	32·2	32·1	31·6	31·0	28·9	27·7	27·8	26·2	24·6	31·22
23·3	22·5	21·8	22·1	21·9	19·1	18·4	16·1	15·1	14·4	14·1	12·9	13·6	12·9	11·8	10·7	18·47
18·6	20·1	17·1	16·7	17·5	17·8	19·6	17·8	15·5	13·0	11·2	13·0	13·6	13·1	13·1	14·6	14·88
21·7	21·6	22·1	23·5	23·5	23·8	23·8	21·8	21·4	21·7	—	—	—	—	—	—	20·34
—	—	—	—	—	—	—	—	—	—	15·9	17·1	18·9	19·0	19·4	19·3	
40·89	40·41	39·28	38·12	37·90	37·28	37·02	36·48	35·73	35·54	34·23	33·92	33·80	33·81	33·47	33·36	36·74
22·7	22·8	22·1	21·4	20·9	19·9	19·3	17·1	17·1	17·3	17·8	17·8	17·6	17·8	17·6	14·0	19·54
18·2	18·2	16·5	11·1	4·3	3·7	2·3	2·5	2·5	7·1	5·0	2·7	2·1	3·7	7·8	10·3	9·63
19·6	19·9	22·0	22·5	22·8	22·9	23·6	24·3	24·1	24·8	25·6	26·7	27·2	27·0	27·4	27·4	21·03
29·7	29·7	28·7	27·6	27·2	26·4	25·2	26·0	25·8	25·4	24·6	24·6	23·7	21·7	21·4	23·1	26·73
25·8	25·4	24·6	23·7	22·9	22·7	21·4	20·5	21·8	22·7	21·2	23·3	24·3	24·3	23·9	23·0	23·51
26·9	26·8	25·6	24·0	23·7	22·9	22·6	20·7	20·8	22·0	—	—	—	—	—	—	24·28
—	—	—	—	—	—	—	—	—	—	—	—	24·4	24·6	24·8	25·4	
31·6	32·3	31·8	30·4	30·5	30·0	29·5	30·1	30·1	30·1	30·1	28·9	28·7	28·2	30·4	29·3	29·45
33·2	32·9	32·3	31·6	31·7	31·1	30·9	30·3	30·1	29·3	27·8	25·0	22·8	21·0	19·2	17·6	29·07
17·9	18·7	17·1	16·9	16·9	16·0	15·7	16·5	16·0	15·0	14·9	15·3	10·3	7·3	5·8	7·0	15·09
11·1	10·3	10·0	9·4	8·6	8·2	8·2	7·8	8·0	5·8	4·5	4·6	3·7	4·5	2·9	2·0	6·73
20·2	20·6	20·4	19·9	19·9	19·3	18·6	18·7	19·9	19·6	19·4	20·2	20·0	20·8	21·6	20·6	16·35
30·7	30·7	30·4	31·0	31·6	32·0	31·6	32·8	32·6	32·3	—	—	—	—	—	—	29·81
—	—	—	—	—	—	—	—	—	—	34·7	34·9	34·9	34·1	34·1	34·1	
31·1	31·8	31·6	30·4	29·8	30·1	29·0	28·5	27·8	27·8	27·2	25·2	24·6	25·0	25·2	24·6	29·60
34·5	34·7	33·7	31·8	30·8	30·6	29·3	28·6	28·6	27·2	26·5	25·6	21·8	20·6	26·9	27·2	28·67
37·1	37·3	37·6	37·1	34·9	35·3	35·9	36·3	36·3	36·7	36·4	36·2	35·9	34·9	34·7	34·4	34·91
35·9	34·9	34·1	33·7	33·3	33·9	33·9	32·9	31·7	26·4	26·6	16·8	13·0	10·1	8·5	7·6	28·75
13·6	13·0	13·0	13·0	12·9	12·9	12·2	11·6	11·5	10·7	10·1	8·9	8·6	8·2	7·7	7·9	11·29
16·3	16·2	15·7	14·9	14·7	14·9	14·1	11·5	11·2	11·4	—	—	—	—	—	—	12·84
—	—	—	—	—	—	—	—	—	—	12·0	11·8	10·9	12·2	11·5	11·3	
20·6	21·0	20·6	17·4	14·6	13·0	12·9	13·6	13·8	14·1	13·1	14·1	14·4	13·7	10·4	13·1	15·15
25·5	25·0	24·6	22·1	21·7	22·0	21·6	21·4	21·0	20·9	21·4	21·2	20·8	20·2	20·2	20·2	21·39
28·6	28·2	27·5	26·1	26·2	26·2	26·2	26·0	25·7	25·7	—	—	—	—	—	—	22·37
—	—	—	—	—	—	—	—	—	—	14·6	13·4	12·9	14·6	16·5	17·1	
21·7	22·3	21·2	15·1	14·2	11·2	9·8	10·6	15·3	13·6	13·0	13·4	10·6	15·9	17·5	17·0	15·88
29·3	29·1	28·7	27·6	27·4	27·7	27·9	28·5	28·7	28·6	—	—	—	—	—	—	27·30
—	—	—	—	—	—	—	—	—	—	33·1	32·9	32·5	32·4	33·3	33·0	
36·9	35·9	36·3	34·9	33·9	32·9	33·7	33·5	33·2	33·5	33·1	32·0	31·8	30·4	30·1	29·9	33·76
28·4	27·6	25·2	24·1	24·1	23·8	23·6	23·7	23·4	23·6	22·2	20·0	16·1	14·9	10·7	11·3	23·82
24·2	24·4	23·4	23·1	24·1	24·7	24·5	25·4	26·4	27·2	27·2	27·2	27·4	27·6	27·8	27·6	22·45
25·83	25·76	25·18	23·9	23·22	22·86	22·45	22·28	22·44	22·26	21·68	20·91	20·04	19·83	19·92	19·85	22·28

WET THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
JANUARY.	1	35·0	34·6	34·6	35·8	34·2	35·8	35·6	36·0	34·3	34·8	33·0	31·2
	2	26·0	25·8	26·0	26·8	28·4	29·1	31·2	31·4	29·6	27·6	28·0	27·2
	3	32·3	32·6	33·6	35·0	35·4	36·2	37·0	37·0	37·6	38·4	40·2	39·7
	4	31·2	31·2	30·0	31·4	31·8	33·4	34·0	33·0	34·0	33·8	34·6	34·6
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	17·0	16·6	16·4	16·4	16 5	17·0	17·2	19·2	19·8	19·6	19·0	18·0
	7	21·8	23·9	25·0	19·0	20·8	21·0	22·2	22·3	24·3	24·2	25·6	25·4
	8	22·4	23·2	23·4	25·1	26·6	28·2	29·6	29·5	29·5	29·8	25·4	27·0
	9	32·4	32·6	32·0	34·1	36·4	35·7	36·6	35·6	35·8	35·4	35·4	34·0
	10	27·0	27·2	27·3	28·0	29·8	29·4	29·6	30·2	31·6	30·0	29·2	28·6
	11	23·8	24·0	23·7	25·0	26·0	27·8	28·4	28·4	28·8	27·6	27·0	26·0
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	23·4	18·4	18·4	17·0	17·6	17·0	17·8	18·2	18·3	18·8	18·6	18·2
	14	15·0	14·0	13·8	14·8	14·6	14·3	15·3	17·0	16·7	17·2	16·6	15·2
	15	22·2	22·4	22·6	24·4	26·6	28·3	30·2	31·0	31·6	31·6	30·4	29·8
	16	29·8	29·0	28·0	27·5	27·0	27·3	26·6	26·0	26·2	25·3	25·0	23·8
	17	19·0	19·5	19·4	19·8	18·2	21·2	21·8	22·4	23·0	22·0	20·6	18·6
	18	18·7	17·5	18·3	19·6	19·8	20·0	20·6	19·6	19·0	17·4	16·2	14·0
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	20·4	20·2	20·6	21·2	23·0	24·4	25·6	27·1	28·2	28·2	28·2	27·6
	21	28·3	28·3	29·6	29·2	29·0	29·2	30·4	31·8	32·5	32·4	31·6	32·0
	22	28·7	28·8	29·0	29·5	31·2	32·0	32·1	32·5	33·4	32·4	32·0	31·8
	23	18·0	17·6	21·8	29·8	31·6	31·7	32·1	32·4	32·6	33·0	32·6	32·8
	24	34·2	34·8	34·7	36·0	36·2	36·8	36·8	37·2	36·7	36·4	35·2	33·8
	25	26·8	23·6	22·4	21·8	22·0	23·4	25·2	24·8	26·2	26·2	25·3	23·7
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	19·8	20·5	21·8	24·6	30·2	32·2	33·0	34·4	34 3	34·3	34·2	33·3
	28	36·0	34·2	34·7	55·2	37·0	37·6	37·6	38·2	37·6	38·6	37·7	38·6
	29	26·6	26·7	26·8	27·2	28·7	29·6	29·0	29·6	26·8	25·0	23·0	22·8
	30	14·5	14·0	13·2	13·4	17·0	17·6	18·6	20·0	20·3	18·6	17·5	16·0
	31	14·4	11·4	11·4	13·0	13·2	11·5	11·3	10·2	10·4	11·4	9·7	8·3
Hourly Means		24·62	24·17	24·39	25·21	26·29	26·95	27·61	27·96	28·11	27·78	27·10	26·37
FEBRUARY.	1	+3·0	−2·6	−2·1	0·3	2·9	4·8	5·5	7·4	9·0	10·0	10·5	8·9
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	16·3	16·5	16·6	19·0	17·5	17·6	20·0	21·4	20·6	21·0	20·6	20·8
	4	22·3	22·8	23·2	23·6	24·6	25·6	25·8	19·6	18·8	17·8	15·4	13·8
	5	10·4	9·8	10·6	11·6	13·0	13·8	14·4	15·3	15·0	14·2	14·6	14·7
	6	3·2	2·4	2·6	4·8	5·8	6·7	9·5	10·4	10·8	10·5	10·2	9·6
	7	12·0	10·8	11·8	15·4	16·4	18·5	19·9	21·4	23·0	23·7	23·7	21·9
	8	8·2	6·5	7·2	10·4	12·6	15·6	16·0	17·4	19·6	19·5	20·0	16·5
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	23·6	23·4	24·0	27·0	30·0	29·6	30·0	31 0	30·8	30·4	29·8	29·6
	11	25·3	24·6	25·2	26·8	29·0	31·0	32·6	32·8	33·2	32·0	31·6	30·5
	12	32·4	32·4	31·6	29·0	28·0	24·4	21·6	20·5	18·6	16·4	15·6	12·6
	13	−3·6	−4·7	−2·7	0·4	2·2	4·1	5·3	6·6	7·0	8·4	8·8	8·4
	14	12·0	12·5	15·2	15·8	17·0	19·2	21·6	23·3	25·6	26·6	27·0	27·6
	15	33·0	33·4	34·2	34·9	35·8	36·2	36·6	37·3	37·6	36·8	36·4	36·6
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	31·6	31·8	32·4	33·6	35·0	32·4	34·0	35·2	34 2	34·4	34·0	33·8
	18	30·0	29·6	30·6	31·2	32·6	33·2	34·3	33·1	33·0	34·2	33·3	32·2
	19	31·2	31·4	31·5	32·2	32·7	34·6	35·2	34·8	34·6	34·0	34·4	32·8
	20	31·6	33·0	34·7	36·7	37·9	39·2	38·4	38·2	38·8	37·6	37·6	37·2
	21	32·0	32·2	33·4	35·4	37·4	40·0	40·2	41·0	39·6	39·6	40·4	39·4
	22	33·4	33·4	34·2	36·8	—	—	41·4	40·3	40·3	40·3	39·9	35·2
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	32·5	32·2	34·2	36·1	37·5	38·1	38·4	38·5	39·0	39·0	37·9	37·0
	25	32·7	34·2	37·0	40·7	40·7	42·6	43·4	42·9	42·8	42·4	41·8	41·5
	26	31·6	31·7	32·2	33·4	33·9	33·0	33·2	32·7	32·9	32·8	32·9	32·0
	27	25·0	24·2	26·6	31·3	32·9	34·3	35·2	35·1	37·2	34·7	33·6	31·8
	28	24·1	23·6	24·6	25·5	24·0	29·6	29·8	31·0	31·6	32·4	28·6	29·3
Hourly Means		21·98	21·88	22·97	24·66	25·19	26·27	27·60	27·60	28·07	27·86	27·44	26·40

WET THERMOMETER.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
30·5	30·3	31·4	33·0	30·4	30·4	29·8	29·4	29·0	28·6	27·2	25·2	32·09
27·6	27·5	28·0	28·8	29·4	30·0	30·3	30·2	30·2	30·4	30·8	32·2	28·85
41·6	43·0	38·6	37·0	36·2	35·0	34·4	34·6	34·4	34·4	34·0	32·2	36·27
33·6	31·8	31·8	31·4	31·6	31·8	—	—	—	—	—	—	28·92
—	—	—	—	—	—	21·4	19·4	17·8	17·0	17·0	16·6	
17·0	16·3	15·4	15·3	15·7	16·4	17·6	19·2	20·0	19·8	20·2	20·2	17·74
24·8	24·0	23·2	23·8	24·8	24·6	23·8	22·2	21·2	22·0	24·4	21·8	23·13
26·4	28·4	27·2	28·2	28·8	28·8	29·7	30·6	31·4	31·8	32·0	32·4	28·14
33·9	32·2	28·2	25·8	24·6	23·8	24·4	24·0	24·6	24·2	22·9	25·2	30·41
28·0	27·6	27·4	27·2	27·2	24·3	21·8	22·6	24·2	24·2	23·8	23·8	27·08
25·8	25·6	25·0	23·2	21·8	19·2	—	—	—	—	—	—	24·05
—	—	—	—	—	—	16·8	16·6	18·3	22 0	22·6	22·8	
16·7	12·0	12·3	13·6	12·5	16·0	17·2	17·2	16·0	14·3	16·8	15·8	16·75
16·0	19·7	18·0	17·4	17·8	17·7	18·8	19·6	21·8	21·2	21·0	21·8	17·30
30·0	30·0	30·8	30·8	30·6	30·8	30·8	30·3	29·8	29·8	29·6	30·2	28·94
23·0	22·4	21·8	21·4	20·6	20·8	21·2	21·2	21·0	20·5	19·8	19·6	23·95
17·8	17·5	18·0	17·9	17·9	18·2	18·2	18·8	19·2	18·2	17·6	18·2	19·29
12·7	10·7	9·2	8·4	6·8	2·9	—	—	—	—	—	—	16·40
—	—	—	—	—	—	20·8	20·1	20·0	20·3	20·6	20·4	
27·8	27·8	27·8	27·8	28·4	28·6	28·8	28·8	28·2	28·0	28·2	27·6	26·35
31·4	30·0	29·7	30·2	29·8	29·6	30·6	30·4	30·6	30·3	29·6	29·0	30·23
26·0	23·8	21·2	19·4	18·6	18·0	18·3	18·2	18·5	17·4	13·6	14·2	25·02
33·2	33·3	33·7	33·8	33·5	33·7	33·9	34·3	34·2	33·8	34·0	34·0	31·31
33·9	34·0	34·2	33·8	33·6	34·0	33·8	33·2	32·4	31·6	29·3	27·4	34·17
23·0	22·6	21·6	21·5	20·6	19·6	—	—	—	—	—	—	22·54
—	—	—	—	—	—	19·6	20·4	21·6	20·2	20·2	18·6	
33·2	33·0	33·0	33·4	33·6	33·4	33·4	33·7	33·8	33·6	34·3	34·4	31·48
37·4	35·0	33·8	33·0	32·6	32·6	32·3	30·2	28·4	27·9	27·5	27·0	34·20
21·8	21·6	21·2	20·2	19·2	18·8	18·6	17·8	17·2	17·4	16·8	15·2	22·82
15·8	17·0	16·2	15·3	14·4	14·8	13·0	11·8	10·6	11·4	13·4	14·0	15·35
7·2	5·4	4·4	2·6	1·6	0·3	−0·6	−2·0	−2·0	−3·0	−3·0	−3·0	6·00
25·78	25·28	24·56	24·23	23·80	23·49	23·62	23·44	23·42	23·23	23·11	22·84	25·14
6·6	5·4	3·8	3·2	3·0	6·0	—	—	—	—	—	—	7·13
—	—	—	—	—	—	15·3	15·2	14·4	14·0	14·0	16·3	
18·6	18·8	21·0	21·0	20·8	21·4	21·8	22·2	22·6	22·5	22·4	22·4	20·14
12·6	12·6	11·6	10·8	11·0	11·0	10·2	10·7	11·3	12·0	12·6	12·2	16·33
14·4	14·2	13·8	13·2	11·8	10·6	10·4	10·2	9·4	8·8	7·0	5·2	11·93
10·6	12·0	13·8	15·4	17·0	17·2	16·6	15·8	15·0	14·6	13·6	12·6	10·86
20·0	18·6	17·7	17·0	15·6	16·0	14·8	14·0	14·0	9·3	7·7	9·2	16·35
10·8	7·6	4·6	8·4	8·8	11·6	—	—	—	—	—	—	14·87
—	—	—	—	—	—	21·8	22·2	22·5	22·8	23·2	23·0	
29·8	30·4	30·6	29·4	30·2	29·2	27·4	27·6	27·6	27·0	26·3	25·4	28·34
31·0	31·4	29·7	29·7	29·5	29·1	29·6	29·5	30·0	30·4	31·2	31·9	29·90
11·4	10·6	10·2	10·4	9·3	6·5	4·6	3·2	1·4	0·0	−2·0	−3·0	14·40
8·0	7·5	7·7	9·4	10·6	15·0	15·0	9·2	9·4	10·2	9·8	10·2	6·76
27·8	28·4	28·8	29·6	30·4	31·2	31·4	31·4	31·8	32·6	32 6	33·0	25·52
36·7	36·8	35·8	34·3	33·9	35·3	—	—	—	—	—	—	34·60
—	—	—	—	—	—	31·6	31·0	31·4	31·5	31·6	31·6	
33·2	32·5	30·8	31·6	31·8	31·6	31·6	31·3	31·2	31·0	30·6	30·2	32·49
31·6	29·6	30·0	30·6	27·2	27·2	27·0	29·8	30·8	30·8	31·2	31·2	30·97
31·6	31·8	32·1	33·0	34·2	33·4	33·2	33·3	33·0	32·8	31·4	31·2	32·93
37·6	37·6	37·6	37·0	36·5	36·2	35·8	36·8	35·2	34·2	33·2	31·8	36·27
39·0	39·4	37·8	37·0	34·0	35·0	36·4	35·2	35·2	35·0	34·0	34·0	36·77
35·0	35·0	35·0	34·4	34·6	34·4	—	—	—	—	—	—	36·04
—	—	—	—	—	—	37·8	37·3	35·6	33·4	32·5	32·7	
35·8	35·8	34·7	34·1	33·9	35·8	36·0	35·1	33·9	34·3	34·1	33·4	35·72
41·1	41·7	39·8	40·4	40·5	41·4	38·9	37·0	36·0	34·2	32·2	32·0	39·08
32·2	31·5	31·0	29·3	30·0	29·1	28·4	29·8	28·6	27·9	26·1	25·8	30·92
30·4	29·8	28·6	27·9	28·0	27·3	26·4	25·8	26·1	25·5	25·4	25·4	29·52
30·8	30·2	29·8	30·0	30·2	30·6	31·4	32·2	32·5	25·0	28·9	30·8	29·02
25·69	25·38	24·85	24·84	24·70	25·09	25·56	25·24	24·95	24·16	23·73	23·69	25·25

WET THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
MARCH.	1	31·5	32·0	32·0	34·2	34·1	34·9	35·3	36·4	36·9	38·3	37·0	35·8
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	31·7	31·5	30·2	29·6	27·6	27·3	29·8	31·3	30·5	31·0	29·1	30·5
	4	24·4	28·1	31·4	32·2	33·9	35·4	35·3	36·8	37·7	35·8	34·1	32·9
	5	33·5	32·7	33·1	34·0	34·0	34·[illegible]	35·3	37·0	37·6	39·1	39·2	38·8
	6	25·7	26·5	29·5	32·4	32·4	33·3	34·1	34·3	35·6	34·9	35·5	33·3
	7	31·4	32·2	34·4	35·6	37·6	37·9	38·1	38·1	37·3	37·1	37·1	36·7
	8	38·3	38·3	45 2	45·4	44·8	43·8	44·1	42·0	41·7	42·1	41·0	39·5
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	24·8	24·9	25·5	27·1	29·3	30·2	31·4	33·3	32·9	32·4	33·3	34·1
	11	26·6	26·9	29·3	28·1	32·4	34·3	31·5	31·2	32·2	32·2	32·4	32·0
	12	32·2	32·0	32·5	36·5	35·6	36·2	36·5	36·7	39·7	38·1	37·3	37·2
	13	27 9	29·6	30·2	34·1	35·3	36·3	35·4	37·4	36·5	36·4	35·6	35·3
	14	34·3	35·3	36·4	37·0	37·4	38·7	40·1	40·2	38·9	34·1	33·3	32·3
	15	16·3	16·4	17·3	17·5	20·5	19·3	18·9	21·0	21·9	22·4	22·0	20·5
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	24·0	24·7	25·6	27·9	26·8	27·7	28·8	30·3	30·6	29·8	30·5	29·7
	18	24·0	24·7	23·7	24·6	23·5	24·2	24·7	24·0	24·2	23·6	23·6	23·7
	19	18·1	18·3	19·0	21·0	20·3	20·3	21·7	21·4	23·1	21·8	21·6	21·2
	20	22·9	23·6	24·4	24·8	27·6	29·8	27·8	32·7	28·5	28·5	28·5	29·1
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	26·6	26·6	28·4	30·0	33·1	34·4	34·9	35·3	36·9	30·2	37·4	35·8
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	32·5	33·1	33·3	33·4	34·5	34·6	34·2	34·5	31·6	33·4	33·1	33·1
	25	28·1	28·1	31·6	32·2	37·8	36·6	38·1	36·2	36·4	35·4	36·4	35·7
	26	32·3	32·5	36·3	37·4	38·1	39·5	41·3	39·5	41·3	41·6	41·6	41·8
	27	35·6	36·2	42·6	44·7	46·2	45·7	45·2	47·6	46·0	44·5	41·8	41·0
	28	37·0	38·8	39·5	40·9	42·4	45·8	45·8	44·0	45·4	44·3	44·8	43·9
	29	32·7	35·3	40·9	42·9	45·2	46·1	49·2	50·4	51·1	49·9	50·4	49·6
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	43·0	45·7	48·0	50·4	51·3	52·3	52·6	52·4	52·5	52·3	53 6	50·7
Hourly Means		29·42	30·16	32·01	33·36	34·47	35·18	35·60	36·16	36·40	35·81	35·61	34·97
APRIL.	1	46·4	42·2	37·9	37·0	34·9	34·5	35·1	35·8	35·4	35·4	35·1	34·4
	2	35·1	36·9	40·0	42·9	42·2	42·9	41·9	38·9	37·0	37·0	36·0	34·7
	3	24·8	24·0	26·6	26·9	28·1	29·6	31·5	32·3	34·1	33·7	32·9	32·6
	4	34 3	34·9	34·3	35·2	35·1	36·1	35·1	35·6	33·5	34·1	32·7	32·0
	5	21·4	22·2	22 6	27·1	27·5	30·0	28·9	32·0	27·9	29·3	27·8	28·5
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	23·1	22·9	23·6	22·6	23·7	26·8	30·3	33·2	32·2	30·5	31·8	30·2
	8	18·2	19·8	22·1	23·3	25·4	25·7	24·2	26·4	28·1	29·6	30·4	32·3
	9	20·0	22·9	27·0	30·6	31·5	32·2	32·9	33·6	35·5	35·5	34·9	34·3
	10	31·8	34·6	38·8	40·8	41·0	41·1	39·9	40·0	37·4	37·2	36·4	36·0
	11	30 2	30·0	31·4	32·4	33·4	34 7	34·7	35·1	35·4	34·4	34·6	33·5
	12	28·9	32·5	34·1	35·2	37·3	39·5	37·6	38·4	39·4	39·4	39·4	38·8
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	32·7	35·1	38·1	39·7	42·4	42·2	44·6	44·8	44·7	45·8	45·8	44·1
	15	29·4	32·9	39 3	43·8	45·0	46·4	45·7	47·2	46·2	48·2	47·4	47·8
	16	37·9	37·9	38·0	39·5	39·2	39·3	38·3	39·7	39·7	39·9	40·5	40·2
	17	38·5	38·9	39·1	39·1	39·7	39·7	40·9	41·2	41·8	42·6	42·4	42·2
	18	40·9	41·3	39·5	41·1	41·4	41·4	41·9	43·1	43·2	43·0	43·8	43·4
	19	45·2	43·4	42·4	42·2	43·9	43·8	43 4	43·1	43·4	43·8	44·3	44·0
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	41·3	42·0	42·8	43·6	44·5	43·0	43·8	43·9	44·3	45·5	44·6	43·7
	22	38·2	42·1	42·9	45·8	45·7	46·2	45·8	46·8	46·0	46·2	47·6	47·2
	23	46·2	48·0	50·0	50·6	53·2	55·2	55·1	55·6	54·5	52·8	52·5	51·3
	24	49·8	51·4	1·2	57·6	59·1	61·7	62·3	62·2	62·1	61·9	59·8	56·0
	25	41·4	41·	40·9	40·5	42·1	41·4	42·4	41·1	42·6	43·7	42·0	42·4
	26	39·7	·0	44·5	44·1	44·7	47·2	50·9	49·5	49·7	49·7	50·9	52·5
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	40·[illegible]	44·1	48·6	50·4	51·6	53·7	55·4	55·6	54·5	54·4	53·4	51·3
	29	42·	44·7	46·7	47·4	48·0	50·0	52·3	50·9	51·0	48·7	50·8	50·8
	30	·1·6	43·2	44·7	47·7	48·2	49·7	50·7	51·9	55·1	54·2	54·3	51·9
Hourly Means		35·40	36·58	38·04	39·50	40·41	41·31	41·75	42·23	42·10	42·17	42·00	41·39

WET THERMOMETER.

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
6·9	36·3	37·0	35·8	33·4	32·5	33·4	33·5	32·9	33·4	—	—	—	—	—	—	33·96
—	—	—	—	—	—	—	—	—	—	34·4	32·9	32·6	32·6	32·7	32·4	
0·5	31·0	29·1	30·5	30·2	28·6	[illegible]	[illegible]	27·1	27·1	27·7	28·1	27·1	26·1	26·1	24·4	28·71
7·7	35·8	34·1	32·9	31·7	32·3			35·1	35·8	35·6	34·5	34·7	33·6	33·7	33·6	33·66
7·6	39·1	39·2	38·8	36·7	35·5	36 [illegible]	31	30·6	29·8	29·6	29·4	27·6	27·1	26·4	25·8	33·04
5·6	34·9	35·5	33·3	31·2	31·2	31·4	32·[illegible]	31·8	31·5	31·7	32·[illegible]	32·2	32·0	31·0	29·8	31·90
7·3	37·1	37·1	36·7	36·6	36·8	37·6	38·2	38·4	37·6	37·9	37·6	37·2	37·3	37·6	38·5	36·87
1·7	42·1	41·0	39·5	37·9	36·4	36·8	36·0	34·9	34·1	—	—	—	—	—	—	36·73
—	—	—	—	—	—	—	—	—	—	28·1	27·3	26·1	26·1	26·5	25·2	
2·9	32·4	33·3	34·1	30·6	31·7	32·0	31·8	31·7	31·2	30·2	29·4	29·3	29·3	28·7	28·1	30·13
2·2	32·2	32·4	32·0	30·8	31·8	30·5	30·6	30·0	28·7	29·4	29·8	30·2	30·5	30·6	31·5	30·56
9·7	38·1	37·3	37·2	36·7	36·3	36·2	34·4	33·4	30·8	29 3	28·1	28·1	28·6	29·4	27·9	33·74
6·5	36·4	35·6	35·3	32·9	32·2	32·9	33·4	32·4	33·1	32·7	32·0	32 3	32·7	32·2	32·6	33·39
8·9	34·1	33·3	32·3	29·1	28·9	25·4	23·9	20·7	20·3	19·6	19·6	18·9	18·4	17·2	16·8	29·99
1·9	22·4	22·0	20·5	20·3	18·6	17·4	16·7	12·1	7·9	—	—	—	—	—	—	19·70
—	—	—	—	—	—	—	—	—	—	25·4	24·4	24·0	23·6	24·7	23·8	
0·6	29·8	30·5	29·7	29·3	28·7	27·7	26·6	26·1	26·6	25·9	25·8	25·0	24·6	24·4	24·2	27·14
4·2	23·6	23·6	23·7	20·9	20·1	19·9	19·2	18·8	19·0	19·6	20·2	20·5	20·1	19·6	19·6	21·92
3·1	21·8	21·6	21·2	21·2	20·2	19·1	19·0	19·0	19·6	18·4	18·8	21·4	21·0	20·8	22·7	20·37
8·5	28·5	28·5	29·1	30·1	27·7	29·1	29·6	26·1	24·2	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	28·9	28·9	27·6	27·1	27·61
6·9	30·2	37·4	35·8	33·7	32·4	32·0	32·7	29·4	28·9	—	—	—	—	—	—	33·13
—	—	—	—	—	—	—	—	—	—	35·6	33·3	35·1	35·3	35·4	35·8	
9·6	33·4	33·1	33·1	32·4	32·3	32·6	32·4	32·0	31·5	30·8	29·5	29·1	28·1	27·1	28·1	32·09
6·4	35·4	36·4	35·7	36·3	33·9	33·9	32·0	31·2	30·5	31·0	31·0	32·2	32·2	29·6	30·6	33·21
1·3	41·6	41·6	41·8	40·9	40·0	40·0	40·3	42·4	43·3	41·6	41 6	41·8	41·2	39·7	38·3	39·76
6·0	44·5	41·8	41·0	39·9	39·7	38·7	37·0	37·8	38·1	38·1	36·9	37·1	36·7	36·7	35·5	40·39
5·4	44·3	44·8	43·9	41·1	39·3	38·9	38·1	37·0	38·1	38·3	38·0	37·6	36 3	34·1	33·2	40·11
5·1	49·9	50·4	49·6	48·7	48·0	43·7	45·2	43·4	43·8	—	—	—	—	—	—	44·35
—	—	—	—	—	—	—	—	—	—	42·2	41·6	40·7	40·3	40·5	42·7	
2·5	52·3	53 6	50·7	49·7	49·2	51·0	49·4	49·4	47·5	46·4	48·2	48·2	48·8	48·2	49·0	49·57
6·40	35·81	35·61	34·97	33·65	32·97	32·63	32·28	31·35	30·90	31·65	31·27	31·12	30·86	30·42	30·29	32·86
5·4	35·4	35·1	34·4	34·6	32·9	32·3	27·8	27·9	27·8	27·5	26·7	26·6	27·3	31·8	33·1	33·75
7·0	37·0	36·0	34·5	33·4	33·1	32·5	29·1	27·6	33·1	33·1	31·7	26·1	24·6	23·9	24·8	34·10
4·1	33·7	32·9	32·6	32·6	32·5	32·5	32·0	32.5	32·6	32·7	32·4	32·4	32·5	31·9	33·5	31·13
3·5	34·1	32·7	32·0	31·5	31·3	30·2	29·1	28·2	28·3	27·5	26·7	24·0	22·8	21·4	20·7	30·61
7·9	29·3	27·8	28·5	27·9	25 9	22·7	22·2	20·0	20·0	—	—	—	—	—	—	24·28
—	—	—	—	—	—	—	—	—	—	17·5	17·5	17·0	20·7	22·9	23·3	
2·2	30·5	31·8	30·2	23·3	21·6	20·5	20·3	19·9	19·4	19·6	19·6	19·8	20·0	20·3	17·9	23·88
8·1	29·6	30·4	32·3	29·1	27·3	23·8	21·4	20·3	21·0	20·1	19·6	19·1	19·2	18·2	18·8	23·47
5·5	35·5	34·9	34·3	33·1	32·7	33·4	34·9	32·3	32·0	32·2	31·0	32·2	32·4	32·5	32·0	31·73
7·4	37·2	36·4	36·0	35·4	34·4	33·5	34·1	33·3	33·3	32·0	32·2	31·5	31·6	30·5	29·1	35·25
5·4	34·4	34·6	33·5	30·3	28·1	28·3	27·3	28·1	26·3	26·5	23·6	24·9	25·2	26·3	26·4	30·04
9·4	39·4	39·4	38·8	37·9	37·9	36·3	36·9	36·4	36·6	—	—	—	—	—	—	36·07
—	—	—	—	—	—	—	—	—	—	34·9	35·6	33·7	33·5	33·1	32·4	
4·7	45·8	45·8	41·1	43·0	40·5	39·3	37·0	36·6	33·1	31·2	30·5	30·5	31·8	31·8	29·1	38·10
6·2	48·2	47·4	47·8	46·0	43·2	39·5	37·9	37·6	39·5	39·9	40·0	38 7	37·6	36·9	37·3	41·47
9·7	39·9	40·5	40·2	39·3	39·5	39·2	38·5	38·5	39·0	38·9	38·9	39 0	38·1	38·2	38·5	38·99
1·8	42·6	42·4	42·2	42·0	41·8	42·2	42·4	42·1	41·6	41·0	40·9	41·4	41·1	40·7	41·1	41·02
3·2	43·0	43·8	43·4	43·1	44·0	44·1	43·6	43·0	43·0	43·0	44·1	44·8	43·9	44·7	44·7	42·92
3·4	43·8	44·3	44·0	44·6	44·0	44·1	42·2	41·6	41·3	—	—	—	—	—	—	42·73
—	—	—	—	—	—	—	—	—	—	41·3	41·0	40·5	40·5	40·7	40·9	
4·3	45·5	44·6	43·7	42·4	41·8	41·0	37·8	36·6	38 2	36·9	34·9	34·4	84·7	33·8	34·9	40·43
6·0	46·2	47·6	47·2	45·2	43·8	44·3	43·6	43·8	44·3	44·2	44·7	45·2	44·7	44·3	44·8	44·72
5·5	52·8	52·5	51·3	52·9	48·6	52·6	49·5	48·2	47·6	49·2	52·7	52·2	50·9	49·4	49·2	51·13
2·1	61·9	59·8	56·0	54·8	54·2	54·1	52·8	52·8	52·5	49·4	46·4	43·9	43 9	42·2	41 3	53·60
2·6	43·7	42·0	42·4	43·4	41·0	41·4	40·9	40·7	40·7	41·1	41·0	40·5	40·5	40·5	40·7	41·42
9·7	49·7	50·9	52·5	51·7	48·6	47·8	48·2	49·5	51·1	—	—	—	—	—	—	45·45
—	—	—	—	—	—	—	—	—	—	40·9	39·5	38·5	36·7	36·3	36·5	
4·5	54·4	53·4	51·3	52·1	49·2	47·5	45·2	44·7	44·1	42·8	41·2	40·0	39 5	40·0	41·3	47·98
1·0	48·7	50·8	50·8	46·2	46·4	44·7	45·4	44·3	43·6	42·8	42·8	42·9	42·7	42·1	41·6	46·22
5·1	54·2	54·3	51 9	52·6	51·9	53·9	54·2	54·2	49·8	51·4	53·1	50·9	51·7	50·2	49·0	50·67
2·10	42·17	42·00	41·39	40·32	39·08	38·53	37·84	36·95	36·92	36·06	35·70	35·02	34·93	34·79	34·73	38·49

WET THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
MAY.	1	50·6	55·6	55·8	52·8	55·0	55·6	56·3	54·5	53·2	53·0	52·8	51·1
	2	37·8	39·0	38·1	38·7	39·2	42·0	42·9	44·3	44·5	45·4	46·2	45·0
	3	45·9	46·2	47·2	49·9	51·2	52·3	54·8	52·6	50·8	49·6	49·0	49·1
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	32·9	33·7	34·0	35·4	37·2	37·9	39·9	42·4	43·2	43·8	44·7	43·6
	6	37·9	41·6	43·2	45·5	45·0	—	—	—	—	47·7	48·2	46·9
	7	41·4	38·6	37·1	37·9	38·2	39·5	39·4	39·4	41·2	40·3	40·7	38·1
	8	27·4	32·2	32·6	37·3	38·4	38·7	40·7	42·3	43·3	43·5	41·8	42·4
	9	42·3	44·5	46·7	46·4	45·6	47·6	46·7	47·3	48·9	48·9	48·9	49·1
	10	42·9	44·0	44·8	48·1	47·5	51·8	52·2	51·0	51·8	50·1	50·1	51·3
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	55·7	58·9	60·3	62·8	63·4	65·2	66·0	64·4	64·1	64·1	62·2	63·1
	13	54·6	58·0	60·1	62·3	65·5	65·5	66·5	65·7	65·5	61·1	61·4	59·1
	14	56·4	58·5	58·0	58·0	61·0	62·1	61·5	63·0	63·0	63·3	63·0	62·9
	15	42·3	39·4	37·6	36·7	37·5	37·9	39·2	40·6	42·6	41·8	42·6	41·9
	16	31·5	33·4	33·7	35·6	40·6	41·4	42·8	42·3	42·3	43·8	44·2	40·1
	17	37·8	42·4	44·0	50·3	50·9	50·8	52·2	52·6	52·8	52·6	51·7	50·1
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	50·8	55·3	58·0	59·5	60·6	60·2	58·5	58·5	54·8	58·2	56·7	53·1
	20	40·1	41·8	43·0	43·6	45·4	47·0	51·0	50·6	50·9	51·6	51·7	51·9
	21	39·5	42·1	44·7	45·8	51·0	51·9	51·8	53·3	54·2	54·9	56·4	53·5
	22	39·6	39·9	41·1	43·6	44·7	46·9	45·3	46·4	46·2	46·2	46·6	46·1
	23	39·4	44·2	46·5	51·9	53·8	52·7	53·2	53·1	53·1	51·8	54·3	53·4
	24	35·2	36·0	36·7	38·5	41·2	42·0	42·4	42·3	42·5	41·1	41·2	40·1
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	45·8	47·7	51·4	5	56·5	58·7	60·1	60·9	62·3	64·5	64·8	63·1
	27	49·6	52·2	54·4	5	59·3	60·9	62·9	62·9	60·1	57·8	57·4	56·9
	28	53·7	55·0	57·0	· 4	61·3	56·8	58·4	59·3	60·5	65·1	65·3	64·9
	29	32·9	32·3	32·2	33·1	33·8	35·1	37·8	35·9	37·2	36 6	37·2	36·1
	30	33·3	34·3	36·7	38·3	43·2	44·3	43·6	44·0	45·4	46·3	48·6	47·4
	31	40·6	45·0	48·3	49·8	52·7	53·3	54·3	55·5	56·0	55·5	56·3	53·9
	32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		42·11	44·14	45·30	47·05	48·88	49·93	50·78	50·97	51·17	51·06	51·26	50·0
JUNE.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	50·1	51·5	53·7	58·2	61·9	59·7	59·0	63·3	63·5	65·7	64·9	66·1
	3	58·5	59·8	59·2	59·9	61·7	66·7	68·3	67·5	66·0	65·9	66·4	64·2
	4	57·8	62·3	64·3	60·7	64·1	67·0	71·4	68·2	63·3	63·4	66.0	66·9
	5	49·7	49·3	49·6	50·2	52·9	52 8	54·0	54·5	55·5	55·5	59·3	58·9
	6	47·7	48·5	48·7	50·4	54·8	53·4	52·6	51·9	53·5	52·8	53·6	52·9
	7	49·7	53·6	51·2	50·4	53·3	55·2	56·5	56·8	57·2	56·4	58·6	56·2
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	61·7	62·1	63·0	66·1	62·3	65·3	64·1	63·8	69·4	65·3	65·7	69·1
	10	58·4	61·3	62·8	63·0	65·5	67·8	68·8	69·1	67·5	65·1	63·9	63·2
	11	58·6	58·9	60·4	60·9	62·3	64·0	66·1	66·8	67·3	67·2	66·2	64·6
	12	58·5	58·5	58·5	59·3	63·5	67·1	69·3	66·7	66·8	66·7	67·8	66·2
	13	57·4	57·6	58·2	59·8	64·6	64·6	64·5	63·8	65·7	65·5	65·5	66·2
	14	49·6	49·0	50·6	51·6	56·7	59·4	54·0	53·6	53·2	53·0	52·3	53·1
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	50·0	50·8	53·2	55·1	54·6	56·3	56·1	55·0	55·0	54·4	54·0	53·9
	17	44·8	46·1	46·3	47·7	47·8	48·9	49·4	50·7	51·3	50·7	51·3	51·2
	18	48·9	51·5	55·2	56·8	56·8	58·9	58·9	58·7	58·3	59·3	59·9	57·9
	19	50·2	52·9	57·8	58·7	61·2	62·3	61·8	61·7	61·4	62·4	62·8	64·0
	20	52·0	54·5	58·7	60·3	63·8	65·9	66·1	65·0	65·3	64·3	64·5	63·2
	21	60·3	59·9	60·3	60·4	61·4	59·2	60·3	58·5	61·1	64·0	63·6	60·9
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	55·5	57·2	61·3	64·0	66·9	67·0	66·9	67·2	68·9	64·5	65·8	65·2
	24	62·6	65·0	67·0	68·2	68·9	69·7	69·4	70·6	67·5	69·1	69·6	70·2
	25	51·5	52·5	52·4	55·2	56·1	58·6	59·2	58·2	57·9	58·3	61·1	53·2
	26	48·6	51·0	54·0	61·2	61·9	57·9	58·9	62·2	62·5	63·3	64·2	64·2
	27	53·6	57·3	61·5	63·8	63·1	62·7	62·3	63·1	65·0	66·2	67·5	67·1
	28	53·8	54·9	55·9	57·5	59·0	58·5	59·7	57·1	58·7	57·6	56·5	55·1
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	53·6	54·6	55·4	55·0	55·9	54·7	54·5	54·0	53·6	54·7	54·0	54·0
Hourly Means		53·72	55·22	56·77	58·18	60·04	60·98	61·28	61·12	61·31	61·26	61·89	61·1

WET THERMOMETER.

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
53·2	53·0	52·8	51·1	52·1	49·2	49·2	45·6	45·4	44·3	45·0	43·0	44·1	40·5	38·7	37·2	49·29
44·5	45·4	46·2	45·0	46·8	44·5	45·2	43·2	42·4	42·9	41·4	41·1	40·5	39·5	39·1	41·6	42·14
50·8	49·6	49·0	49·1	50·0	49·7	49·7	49·2	48·6	48·6							45·45
—	—	—	—	—	—	—	—	—	—	35·8	34·6	33·9	31·5	30·5	30·5	
43·2	43·8	44·7	43·8	42·9	41·4	38·5	37·3	35·7	33·6	34·1	32·6	32·0	30·8	30·6	31·5	37·08
—	47·7	48·2	46·9	44·6	41·3	39·2	37·1	37·9	37·4	39·5	37·9	39·2	41·4	41·6	41·9	41·75
41·2	40·3	40·7	38·1	37·1	33·5	32·2	31·6	30·8	30·4	29·8	29·6	30·7	28·6	25·4	25·1	34·86
43·3	43·5	41·8	41·4	41·1	40·2	41·8	42·2	42·8	39·3	39·3	38·9	36·6	36·8	35·5	36·7	38·78
48·9	48·9	48·9	49·1	46·8	46·3	41·6	40·8	40·3	39·3	38·8	38·7	38·5	39·5	40·5	40·4	43·93
51·8	50·1	50·1	51·1	52·2	52·1	49·2	48·1	46·5	45·3							49·68
—	—	—	—	—	—	—	—	—	—	55·0	53·6	52·4	51·0	50·6	50·6	
64·1	64·1	62·2	63·1	63·1	59·8	58·4	56·4	56·4	55·6	55·7	54·6	53·6	52·4	53·6	52·9	59·37
65·5	61·1	61·4	59·1	57·0	57·5	58·5	56·8	54·6	54·2	55·0	54·3	52·9	51·7	53·3	53·5	58·53
63·0	63·3	63·0	62·9	63·3	58·2	58·6	57·0	54·9	58·0	55·5	51·8	48·3	45·8	44·3	43·1	57·06
42·6	41·8	42·6	41·0	39·9	38·1	36·9	35·4	36·6	34·2	33·3	31·7	31·4	30·5	29·7	28·6	36·90
42·3	43·8	44·2	44·8	44·7	43·1	40·6	38·3	37·6	36·1	35·4	34·3	33·9	32·8	32·6	34·3	38·34
52·8	52·6	51·7	50·1	50·1	49·4	46·8	46·8	45·8	44·7							48·76
—	—	—	—	—	—	—	—	—	—	50·6	50·2	50·9	49·9	49·0	47·9	
54·8	58·2	56·7	55·8	56·8	55·8	55·7	53·2	47·9	45·1	44·6	43·8	43·6	42·6	41·6	40·0	52·40
50·9	51·6	51·7	51·0	49·8	44·7	42·4	41·2	41·8	39·7	39·2	39·0	37·8	38·0	36·5	36·5	43·80
54·2	54·9	56·4	55·3	55·3	51·2	47·8	43·6	41·6	40·0	39·1	38·5	38·9	38·2	37·8	39·0	46·34
46·2	46·2	46·6	46·1	46·8	46·3	42·9	39·9	38·4	37·6	36·9	37·7	35·0	34·1	34·0	33·3	41·51
53·1	51·8	54·3	53·4	51·2	47·7	46·8	44·4	43·6	41·8	39·9	37·2	37·2	35·9	34·8	33·3	45·88
42·5	41·1	41·2	40·1	39·9	39·3	36·7	35·9	35·1	34·5							40·54
—	—	—	—	—	—	—	—	—	—	44·2	45·0	45·4	45·9	45·4	45·8	
62·3	64·5	64·6	63·1	59·6	58·2	53·3	50·6	48·5	48·3	47·5	46·9	46·3	48·5	47·5	46·8	53·76
60·1	57·8	57·4	56·0	57·7	56·5	52·9	51·9	50·5	49·2	48·3	—	—	—	51·2	52·2	55·26
60·5	65·1	65·3	64·0	57·7	50·3	45·0	43·7	43·2	41·2	40·2	38·7	36·7	35·5	35·1	33·9	50·67
37·2	36·6	37·2	39·3	37·0	34·6	33·1	32·2	31·9	31·4	31·2	30·4	29·8	29·5	29·1	29·6	33·47
45·4	46·3	46·8	47·1	45·8	43·9	42·0	42·0	40·2	37·8	35·6	35·9	37·6	35·7	34·1	34·1	40·43
56·0	55·5	56·3	53·9	53·1	50·6	49·2	48·3	46·5	44·3							49·25
—	—	—	—	—	—	—	—	—	—	45·3	44·8	44·8	44·4	44·2	45·4	
51·17	51·06	51·26	50·6	49·64	47·53	45·71	44·17	43·17	42·02	42·08	41·03	40·46	39·65	39·49	39·48	45·73
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59·45
63·5	65·7	64·9	66·1	65·7	62·4	60·9	59·2	58·4	58·7	59·2	57·6	58·0	57·0	56·2	55·8	
66·0	65·9	66·4	64·1	63·5	63·3	59·9	58·3	59·5	57·0	56·7	56·5	54·6	53·6	53·6	52·0	60·53
63·3	63·4	66·0	66·0	64·4	63·3	60·1	58·5	58·5	58·7	58·7	59·3	59·1	58·4	55·8	51·9	61·72
55·5	55·5	59·3	58·3	55·6	54·5	52·4	49·4	49·4	49·0	50·9	48·6	49·8	47·8	46·6	45·8	51·73
53·5	52·8	53·6	53·0	53·1	52·7	51·2	51·1	49·1	47·5	46·1	45·3	44·8	45·8	46·1	46·5	50·03
57·2	56·4	58·8	58·2	57·0	55·3	54·4	53·8	53·6	53·1							56·50
—	—	—	—	—	—	—	—	—	—	66·0	62·2	61·2	60·9	60·3	59·9	
69·4	65·3	65·7	69·1	68·3	65·1	62·7	60·7	59·8	59·6	57·0	55·5	54·5	54·7	52·6	53·4	61·78
67·5	65·1	63·9	63·2	63·3	64·3	63·6	63·5	62·6	62·8	62·3	57·6	56·4	56·8	56·6	57·6	62·66
67·3	67·2	66·2	64·4	63·9	63·0	60·3	57·8	57·8	57·6	57·8	58·4	58·2	58·5	59·7	58·5	61·44
66·8	66·7	67·8	66·7	65·1	65·5	63·3	61·9	61·5	61·7	62·6	60·8	59·2	58·2	57·2	56·2	62·72
65·7	65·5	65·5	60·2	59·9	59·5	56·5	56·1	55·9	56·4	53·5	53·9	53·6	51·5	48·9	49·3	58·43
53·2	53·0	52·3	52·9	51·6	49·5	48·9	45·5	43·9	44·0							50·83
—	—	—	—	—	—	—	—	—	—	53·6	51·5	50·4	48·8	47·8	48·7	
55·0	54·4	54·0	53·6	53·5	53·2	53·0	51·7	48·5	48·8	46·3	44·3	43·0	41·7	39·8	39·7	50·54
51·3	50·7	51·3	51·3	51·7	52·5	52·0	51·7	50·3	49·2	47·3	45·6	43·3	41·9	40·8	41·4	48·06
58·3	59·3	59·9	57·9	58·0	55·0	53·5	52·6	52·0	51·0	50·4	49·4	46·8	46·8	45·5	44·8	53·54
61·4	62·4	62·8	64·0	64·3	62·4	56·4	53·0	51·3	49·6	49·0	48·9	47·8	46·0	44·8	47·9	55·78
65·3	64·3	64·5	63·1	61·3	61·2	61·2	60·2	61·8	62·0	60·4	60·2	60·2	59·9	59·9	59·7	61·32
61·4	64·0	63·6	60·6	57·1	56·9	56·5	54·9	52·4	52·4							56·73
—	—	—	—	—	—	—	—	—	—	52·3	51·7	51·1	49·0	48·6	49·3	
65·9	64·5	65·8	68·2	65·0	67·1	65·3	64·0	61·9	61·3	39·9	58·5	57·9	56·9	58·3	58·3	62·58
67·5	69·1	69·6	70·1	66·0	63·6	62·6	61·5	60·4	60·4	59·4	57·7	56·4	56·4	53·0	51·0	63·61
57·9	58·3	61·1	58·3	52·2	52·7	49·0	50·6	49·4	48·8	46·1	43·3	44·7	45·0	43·9	42·5	51·88
62·5	63·3	64·2	65·1	59·3	56·3	52·3	52·0	49·6	48·6	47·0	46·0	45·0	45·4	49·5	49·2	54·64
65·0	66·2	67·5	67·1	66·5	63·8	58·4	57·1	55·9	53·2	54·0	53·7	54·3	54·5	53·1	53·4	59·65
58·7	57·8	58·5	59·1	59·7	58·7	57·6	55·3	54·8	55·1							56·13
—	—	—	—	—	—	—	—	—	—	53·8	53·3	53·0	51·8	51·2	51·6	
53·6	54·7	54·0	54·0	52·8	51·5	50·6	51·2	51·7	50·7	47·7	47·7	47·8	48·5	48·6	48·3	52·15
61·31	61·26	61·89	61·0	59·93	58·91	56·90	55·66	54·80	54·21	54·32	53·10	52·44	51·63	51·14	50·90	56·97

WET THERMOMETER.

	Hours of Mean Göttingen Time,	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time,	18	19	20	21	22	23	0	1	2	3	4	5
JULY.	1	50·7	53·3	54·7	55·9	56·3	56·1	55·4	55·2	54·2	54·4	54·6	56·6
	2	54·6	54·7	56·3	57·3	58·5	62·2	61·6	62·0	62·4	60·0	60·6	60·4
	3	47·5	50·1	51·2	52·2	52·7	56·7	58·4	58·5	56·4	55·2	55·9	54·3
	4	50·8	50 9	53·3	53·2	54·9	55·1	59·5	61·6	60·2	61·3	60·3	61·8
	5	51·1	53·5	58·3	62·6	63·3	63·9	62.1	63·9	64·0	67·2	63·6	62·9
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	62·6	67·5	69·1	70·0	71·4	72·3	72·1	70·7	68·3	71·0	68·6	68·7
	8	58·6	62·9	66·7	70·5	68·6	69·4	71·1	72·0	68·6	70·8	72·6	67·1
	9	56·5	57 3	55·5	56·9	57·4	57·6	59·4	62·1	62·0	60·4	62·6	64·3
	10	51·2	55·9	59·2	62·0	62·1	62·4	62·6	60·2	63·1	64·5	65·9	64·9
	11	56·9	62·1	63·6	68·9	68·9	71·8	74·3	74·1	75·3	77·3	75·3	74·1
	12	61·6	68·0	70·0	73·0	75·3	77·8	80·3	74·1	77·1	73·5	74·5	73·9
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	69·3	69·8	70·7	74·3	74·1	73·8	74·7	74·7	75·0	75·6	75·1	75·3
	15	64·7	68·1	65·7	64·5	66 0	64·7	68·2	70·1	72·3	73·3	73·4	73·8
	16	61·3	69·7	65·7	71·8	74·9	77·3	78·3	77·9	78·0	74·3	75·6	76·3
	17	69·9	70·6	71·6	70·6	69·2	70·3	69·4	70·9	70·2	67·5	67·5	68·7
	18	56·2	58 1	58·5	59·0	59·4	58·9	62·8	68·5	65·9	66·3	68·9	69·6
	19	57·9	58·7	61·4	61·1	62·1	65·1	65·9	65·5	66·3	67·7	64·8	66·2
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	69·0	72·5	72·7	73·7	74·9	76 0	76·3	76·8	75·3	74·8	76·8	75·6
	22	58·4	60·1	62·9	64·0	64·0	64·9	64·4	62 8	63·6	64·5	61·3	62·4
	23	54·9	54·3	54·1	53·4	55 1	54·7	54·5	57·7	61·2	61·4	60·2	56·7
	24	54·0	54·0	54·2	53·5	54·9	54·9	55·8	57·2	58·6	59·0	59·7	59·5
	25	53·7	58·7	61·6	58·9	63·5	62·8	63·9	63·6	64·5	63·6	63·6	62·1
	26	54·4	58·1	62 2	63 1	65·2	65·0	66·4	65·5	68·5	65·7	66·5	65·8
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	57·1	57·1	57·4	58·4	58·4	59·3	57·7	57·2	57·2	57·4	58·4	57·1
	29	54·5	56·1	57·5	59·5	60·3	61·8	63·4	63·8	66·5	67·5	66·5	64·4
	30	54·2	54·5	53·7	54·2	53·8	53 5	54·4	56·1	54·9	55·3	55·1	52·8
	31	49·0	52·2	54·7	57·1	57·2	56·7	57·3	57·2	56·4	57·9	57·9	58·1
Hourly Means		57·03	59·51	60·97	62·20	63·03	63·87	64·80	65·13	65·40	65·53	65·40	64·83
AUGUST.	1	54·4	56·1	58 9	61·1	60 2	63·3	61·2	62·6	64·5	62·1	62·4	61·6
	2	44·0	54·9	58·7	59·6	61·1	59·5	60·3	58·5	61·1	61·6	63·0	60·0
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	54·3	61·1	63·1	63·4	66 5	66·8	67·3	67·1	67·5	67·9	67·7	66·9
	5	56·9	61·6	64·0	64·8	66·3	67·8	69·6	70·2	71 7	70·0	69·8	69·8
	6	59 2	64·2	65·3	70·1	69·9	69·7	69·4	68·9	67·5	68·5	67·3	67·3
	7	57·1	65·9	67·1	69·6	70 1	71·3	72·1	72·1	74·2	72·7	72·8	71·1
	8	65·0	65·5	66·5	66·3	67 1	68·5	70·3	70 0	70·5	69·4	70·4	70·0
	9	64·3	68·0	71·3	73·5	73 1	73·8	74 1	75·1	74·9	74·8	75·9	75·9
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	65·9	67·1	67·5	67·7	69 8	71·9	72·3	69 9	70·1	70·2	70·5	71·9
	12	59·0	61·4	67·7	70·4	62·4	68·1	66·7	65·4	66·5	60·0	63·1	65·0
	13	55·1	58·3	59·1	61·1	62·6	63·8	63·8	64·3	66·0	65·7	68·5	67·0
	14	56·9	59·2	60·4	60·0	65·0	65·1	64·8	64·5	61·6	63 0	64·0	63·8
	15	55·7	58·7	62·8	63·2	63·9	62·1	62 6	62·3	63·8	63·9	64·2	62·6
	16	56·1	60·3	62·1	66·1	66·8	67·2	67·2	68·8	68·3	67·4	68·1	69·4
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	67·3	68·2	69·6	70·8	73·1	73·1	71·0	73·1	72·6	73·8	75·3	74·8
	19	64·9	63·8	64·1	64·5	65·3	66·8	68·1	68·3	68·9	68·0	68·7	69·4
	20	62·1	65·9	68·9	71·2	71·8	72·7	73·2	73·3	72·9	73·3	71·0	70·8
	21	63·2	69·2	70·3	71·7	71·9	72·1	72·9	72·9	72·6	72·4	71·6	70·9
	22	60·0	62·9	64·8	65·0	65 8	66·8	70·3	71·5	72·3	71·1	70·7	70·9
	23	59·5	61·6	66·5	70·2	70·7	71·7	71·6	71·5	72·3	73·1	71·3	71·6
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	53·6	58·5	62·6	62·2	61·6	67·1	66·3	65·2	65·9	65·9	66·5	67·0
	26	61·1	63·4	64·5	65·2	66·4	65·8	65·7	67·2	67·8	67·5	66·0	66·5
	27	59·7	60·4	60·3	59·9	59·2	60·0	60·2	62·1	61·8	63·2	61·9	62·3
	28	52·3	53·8	56·4	58·2	60·0	60·1	62·2	62·1	61·7	61·1	60·1	61·3
	29	57·7	62·6	64·5	67·1	67·7	69·6	69·8	69·4	70·6	71·3	71·5	70·8
	30	65·7	66·3	66·3	67·4	67·5	65·3	65·7	65·9	65·7	66·5	64·8	63·4
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		58·88	62·23	64·36	65·78	66·38	67·31	67·64	67·78	68·20	67·86	67·91	67·70

8	9	10	11
2	3	4	5
54·2	54·4	54·6	56·6
62·4	60·0	60·0	60·4
56·4	55·2	55·9	54·3
60·2	61·3	60·3	61·9
64·0	67·2	63·6	62·9
—	—	—	—
68·3	71·0	68·6	68·7
66·6	70·8	72·6	67·1
62·0	60·4	62·6	64·3
63·1	64·5	65·9	64·6
75·3	77·3	75·3	74·1
77·1	73·5	74·5	73·9
—	—	—	—
75·0	75·6	76·1	75·3
72·3	73·3	73·4	73·4
78·0	74·3	75·6	76·5
70·2	67·5	67·5	66·7
65·9	68·3	68·9	69·6
66·3	67·7	64·8	66·2
—	—	—	—
75·3	74·8	76·8	75·6
63·6	64·5	61·3	62·4
61·2	61·4	60·2	56·7
58·6	59·0	59·7	59·5
64·5	63·6	63·6	62·1
68·5	65·7	66·5	65·8
—	—	—	—
57·2	57·4	58·4	57·1
66·5	67·5	66·5	64·4
54·9	55·3	55·1	52·8
56·4	57·9	57·9	58·1
65·40	65·53	65·40	64·83
64·5	62·1	62·4	61·6
61·1	61·6	63·0	60·0
—	—	—	—
67·5	67·9	67·7	66·9
71·7	70·0	69·8	69·8
67·5	68·5	67·3	67·3
74·2	72·7	72·8	71·1
70·5	69·4	70·4	70·0
74·9	74·8	75·9	75·9
—	—	—	—
70·1	70·2	70·5	71·9
66·5	66·0	63·1	65·0
66·0	65·7	68·5	67·0
61·6	63·0	64·0	63·6
63·8	63·9	64·2	62·6
68·3	67·4	68·1	69·4
—	—	—	—
72·6	73·8	75·3	74·8
68·9	68·0	68·7	69·6
72·9	73·3	71·0	70·8
72·6	72·4	71·0	70·9
72·3	71·1	70·7	70·9
72·3	73·1	71·3	71·6
—	—	—	—
65·9	65·9	66·5	67·0
67·8	67·5	66·0	66·5
61·8	63·2	61·9	62·3
61·7	61·1	60·1	61·1
70·6	71·3	71·5	70·8
65·7	66·5	64·6	63·6
—	—	—	—
68·20	67·86	67·94	67·71

WET THERMOMETER.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
56·9	57·1	57·3	56·9	56·6	56·6	56·9	55·3	55·4	54·7	53·8	54·6	55·40
58·4	58·1	57·4	56·6	57·1	56·2	52·7	49·1	46·9	44·7	44·6	46·8	55·78
54·3	51·4	50·7	50·5	50·8	51·0	50·6	49·7	49·3	48·3	48·3	48·0	52·15
62·1	58·5	55·1	52·8	51·4	50·8	49·8	49·0	47·9	45·6	45·1	45·8	54·03
61·3	59·8	58·5	58·1	57·6	57·5	—	—	—	—	—	—	60·15
—	—	—	—	—	—	60·0	59·0	58·7	59·0	59·0	59·2	
68·9	67·5	66·3	64·0	63·8	60·2	60·1	58·4	54·4	54·4	55·3	56·5	65·05
61·6	62·8	61·1	61·7	58·8	58·4	58·6	57·7	54·2	53·6	50·8	52·3	62·90
63·6	59·1	53·8	52·2	50·5	50·5	50·3	48·8	47·9	47·0	46·4	47·1	55·35
64·4	60·0	57·3	55·6	54·6	53·5	53·4	52·3	52·1	51·3	51·1	50·5	57·90
69·2	67·3	66·2	64·5	62·8	62·6	62·4	61·6	61·3	59·7	60·0	56·3	66·50
77·1	72·1	70·5	68·0	70·3	70·2	—	—	—	—	—	—	72·00
—	—	—	—	—	—	70·9	70·6	70·7	70·5	69·4	68·9	
73·5	73·1	71·3	70·6	68·5	66·3	64·5	62·8	62·2	61·6	60·4	60·2	69·90
73·1	70·7	65·9	63·8	64·0	63·8	61·4	60·0	61·5	61·3	58·7	61·2	66·15
74·1	74·8	73·3	71·5	69·8	68·9	69·7	69·0	70·2	69·4	69·0	67·5	72·15
66·7	65·0	64·0	60·2	62·8	62·1	59·9	58·5	56·7	54·0	53·5	53·2	64·55
69·1	67·3	61·6	56·5	53·8	53·2	52·5	51·4	51·7	51·7	52·5	54·4	59·55
64·1	63·0	62·6	61·1	59·8	61·9	—	—	—	—	—	—	64·40
—	—	—	—	—	—	71·5	70·7	69·1	68·8	66·5	64·3	
68·0	72·3	67·8	67·5	64·5	62·4	62·1	59·3	58·5	56·3	55·9	56·1	68·50
61·2	60·3	60·3	58·9	58·5	57·1	56·9	57·1	57·4	56·2	55·9	54·9	60·30
54·6	56·3	54·9	58·5	54·0	53·9	53·0	51·5	52·0	52·0	52·7	52·0	55·15
60·2	59·7	55·4	54·7	56·4	54·5	53·0	51·0	52·2	52·0	51·0	51·2	55·25
63·1	62·4	59·1	57·7	55·3	54·0	53·5	52·5	52·4	52·4	52·2	50·0	58·55
66·2	64·0	62·8	62·3	59·1	58·7	—	—	—	—	—	—	61·45
—	—	—	—	—	—	55·5	55·1	55·7	56·3	57·1	55·6	
56·9	55·5	54·2	54·2	51·7	49·8	49·0	49·9	50·7	52·7	52·7	53·0	55·10
64·7	63·1	63·5	62·8	61·4	60·0	58·5	55·9	55·0	57·3	57·7	57·0	60·75
53·0	52·4	51·0	50·1	49·5	48·8	48·3	48·3	48·3	47·5	46·9	46·6	51·80
56·9	56·9	55·1	51·0	54·4	53·5	51·7	49·6	48·1	50·0	51·1	51·8	54·35
63·80	62·60	60·60	59·43	58·43	57·63	57·27	56·07	55·57	55·10	54·70	54·60	60·58
60·0	59·5	57·4	54·0	52·4	51·1	52·0	45·8	45·6	43·9	44·3	44·6	55·79
61·1	56·5	54·0	54·6	52·2	52·4	—	—	—	—	—	—	56·67
—	—	—	—	—	—	57·9	56·3	54·7	53·7	53·5	51·0	
68·9	66·8	63·3	58·9	58·6	55·4	54·2	52·5	53·1	52·7	52·7	51·7	61·18
70·2	68·1	65·1	62·1	60·3	60·0	58·3	56·3	56·5	56·5	55·4	55·2	63·60
68·9	67·5	63·4	61·1	59·1	58·7	57·7	57·4	56·7	55·7	55·5	55·2	63·51
70·1	67·8	64·7	64·0	62·6	62·4	63·1	63·2	63·6	62·2	62·3	64·5	66·90
69·9	69·0	67·5	66·0	64·7	64·3	64·3	64·5	64·3	64·0	64·3	62·6	66·87
72·5	69·4	67·1	65·3	64·0	63·9	—	—	—	—	—	—	69·71
—	—	—	—	—	—	66·4	66·5	65·8	65·9	65·5	66·0	
66·2	60·4	59·0	58·5	59·5	60·4	59·7	56·9	59·5	58·4	56·6	57·5	64·47
61·1	57·7	56·2	54·7	53·3	52·8	52·8	52·8	52·3	51·8	51·6	51·4	59·34
66·0	62·9	62·6	60·4	60·4	62·3	60·0	58·9	57·7	54·6	57·5	56·6	61·47
60·3	59·7	58·5	54·6	52·6	53·4	53·0	54·7	54·5	54·4	54·7	54·0	58·86
62·7	59·5	58·3	57·7	56·6	56·4	55·7	54·0	54·1	54·2	54·4	54·4	59·32
68·3	62·4	60·4	59·5	58·7	57·7	—	—	—	—	—	—	64·89
—	—	—	—	—	—	66·0	66·5	67·1	67·7	67·7	67·6	
73·1	68·3	67·2	66·7	66·2	65·7	65·5	65·0	64·8	63·7	63·1	63·8	68·99
66·8	65·0	63·6	63·6	62·0	62·2	62·6	62·8	62·2	62·0	62·2	63·4	64·97
69·8	67·9	65·3	66·0	65·3	64·7	64·3	63·2	63·4	62·7	61·6	60·0	67·55
70·1	69·0	69·0	69·1	67·2	64·5	61·6	60·4	60·1	61·5	61·2	61·2	67·75
69·2	67·5	64·3	61·6	59·3	58·5	58·4	59·7	60·2	59·0	58·7	58·6	64·46
70·7	66·7	65·0	67·0	65·0	64·0	—	—	—	—	—	—	64·75
—	—	—	—	—	—	53·5	55·6	56·1	54·6	52·3	51·6	
68·5	68·8	68·5	65·8	66·1	62·3	61·4	58·9	59·3	58·3	58·3	58·2	63·20
65·7	64·8	62·4	62·1	61·9	60·3	61·1	60·2	61·1	60·4	62·2	59·3	63·69
62·6	61·7	59·9	60·6	58·5	56·6	55·9	55·3	53·8	54·4	54·7	52·5	59·06
59·2	56·9	56·6	56·1	57·1	57·3	58·1	58·5	58·6	58·2	54·9	54·9	58·15
69·9	68·9	64·5	66·9	67·0	67·7	67·5	67·1	65·1	64·9	65·1	65·3	67·35
60·3	58·7	58·4	57·1	55·9	55·7	—	—	—	—	—	—	60·24
—	—	—	—	—	—	52·8	51·6	51·6	50·8	50·7	51·5	
66·82	64·28	62·55	61·31	60·25	59·64	59·38	58·64	58·53	57·93	57·73	57·41	63·19

WET THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
SEPTEMBER.	1	53°6	55°9	60°0	62°0	63°4	65°4	65°5	64°1	64°0	64°0	63.0	62°3
	2	62°1	64°3	65°9	64°5	60°4	63°4	65°7	65°1	68°2	68°2	65°5	64°1
	3	55°7	59°9	61°8	63°4	63°8	65°1	66°3	67°1	67°3	67°5	67°9	70°3
	4	60°1	60°3	60°0	62°8	65°7	66°9	68°1	65°7	65°3	68°4	65°8	63°9
	5	52°8	55°7	57°5	58°7	59°7	60°0	61°6	61°1	58°9	59°5	57°9	57°4
	6	45°5	52°0	52°8	53°4	55°9	59°9	58°0	58°7	59°4	57°9	59°5	59°0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	41°0	44°8	46°3	47°8	49°5	50°5	51°7	51°0	52°4	52°2	53°4	52°2
	9	48°3	50°3	52°0	55°9	58°4	59°7	56°9	57°7	62°9	59°4	58°1	56°5
	10	48°1	51°0	53°0	53°6	56°7	53°5	51°8	54°3	54°0	54°5	54°0	53°9
	11	41°1	47°5	49°5	52°7	53°6	53°7	52°8	56°3	54°7	57°9	55°4	50°8
	12	39°6	44°4	46°9	50°9	50°3	50°8	51°6	50°5	50°7	49°9	50°3	50°5
	13	49°7	50°7	51°0	52°0	52°5	54°0	54°0	54°7	55°5	56°9	58°5	59°9
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	51°4	54°4	55°9	58°3	59°7	65°4	64°0	55°5	55°1	55°7	53°2	54°0
	16	37°8	43°3	45°7	45°9	47°7	48°1	50°9	50°4	51°0	49°6	52°5	53°7
	17	39°4	43°1	46°7	52°3	55°3	56°4	57°5	56°5	55°9	56°5	61°1	60°0
	18	59°7	61°3	61°6	64°7	66°5	67°8	67°2	66°0	63°1	63°1	59°7	61°9
	19	44°8	48°3	49°8	53°7	54°5	54°7	54°5	54°6	55°7	55°9	57°2	55°0
	20	52°5	52°8	54°2	56°3	55°3	54°0	54°3	55°9	57°4	55°1	55°1	54°8
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	34°5	38°0	41°9	44°9	47°8	48°6	48°0	47°3	50°1	48°1	49°8	48°3
	23	48°4	48°7	49°5	49°3	48°7	48°1	48°3	49°3	50°5	51°0	51°4	51°4
	24	47°1	48°1	48°8	48°1	49°1	49°1	49°3	48°8	47°7	46°1	48°1	47°3
	25	40°6	43°1	45°6	48°5	49°9	50°8	51°0	51°3	50°3	52°5	51°2	50°9
	26	46°9	48°2	49°6	50°3	50°5	50°0	51°4	52°4	55°5	56°9	56°3	56°4
	27	38°0	42°2	47°9	51°4	53°6	53°0	54°5	54°7	54°7	53°0	52°5	51°1
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	55°9	58°5	61°3	62°3	62°4	65°1	64°2	63°5	62°3	62°1	61°6	60°4
	30	58°2	58°1	58°4	58°6	59°1	59°0	60°2	61°6	61°1	60°2	58°5	57°9
Hourly Means		48°15	50°96	52°83	54°71	55°77	56°65	56°90	56°70	57°07	57°09	56°83	56°31
OCTOBER.	1	50°5	50°5	50°1	53°9	51°6	53°3	52°2	52°6	52°5	55°2	54°8	53°6
	2	46°6	47°3	48°5	50°8	52°4	53°2	54°4	54°6	54°6	56°8	55°8	54°2
	3	53°2	52°2	51°1	50°5	50°9	50°7	51°3	51°7	52°5	53°2	51°9	51°3
	4	49°8	48°8	48°7	50°0	51°2	52°8	54°8	54°4	55°2	56°5	55°6	54°9
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	32°4	35°7	38°8	40°0	41°1	41°4	43°5	44°3	44°8	45°1	45°2	43°5
	7	37°3	39°2	45°4	49°1	50°8	52°2	52°6	52°2	51°3	51°6	51°9	51°3
	8	47°2	48°8	50°7	52°0	54°7	54°8	54°6	54°6	55°0	54°4	54°2	54°8
	9	56°3	56°8	58°8	57°6	59°5	57°4	57°8	57°1	57°6	57°9	56 9	56°4
	10	51°8	53°2	54°8	55°2	54°2	56°0	56°2	56°7	56°5	56°4	56°5	55°8
	11	55°8	54°8	53°0	52°6	52°0	52°2	52°7	53°4	54°2	54°4	54°2	53°9
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	37°4	37°5	41°2	42°7	43°2	46°9	47°5	48°9	50°0	49°7	48°1	47°1
	14	47°0	45°6	44°9	43°7	43°7	43°0	44°4	43°1	40°9	39°6	38°6	37°5
	15	26°9	28°1	32°2	34°9	35°7	36°4	36°5	36°9	37°8	35°4	35°8	34°4
	16	31°8	32°0	34°7	36°9	37°6	39°5	39°5	40°3	39°3	40°3	40°0	39°3
	17	31°0	34°4	35°7	38°7	43°9	44°9	44°7	44°7	46°6	47°0	46°4	46°0
	18	34°8	35°8	40°5	47°0	48°2	50°5	52°2	52°8	52°7	53°2	50°8	48°3
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	37°7	37°9	37°6	38°2	38°5	40°5	39°5	39°8	39°6	35°4	33°9	32°8
	21	22°8	24°8	27°1	29°3	31°2	28°1	30°8	32°0	32°4	29°1	29°7	28°1
	22	20°6	21°3	26°6	31°4	32°4	32°7	34°3	35°1	35°6	36°6	36°5	35°1
	23	22°9	23°7	30°2	32°7	40°8	39°2	42°7	44°7	44°9	45°1	45°3	42°3
	24	40°9	41°2	42°2	44°7	46°6	47°1	48°2	48°7	47°2	47°2	48°1	43°5
	25	39°8	41°3	42°4	46°1	46°9	48°9	48°9	48°7	48°1	47°1	47°0	47°2
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	37°5	37°4	42°8	49°5	50°0	51°5	53°2	54°2	54°5	53°2	51°7	51°3
	28	43°1	44°1	46°4	50°0	51°4	53°2	53°5	53°7	54°2	53°6	51°8	50°3
	29	35°3	35°8	40°0	46°6	48°5	51°0	51°7	52°9	52°5	52°6	53°4	51°3
	30	53°8	54°6	55°1	55°9	56°2	56°5	57°2	52°9	51°8	51°2	51°0	49°3
	31	48°0	48°5	49°9	50°1	51°0	51°9	52°7	52°4	53°7	53°6	53°8	53°4
Hourly Means		40°45	41°16	43°31	45°56	46°82	47°66	48°43	48°65	48°74	48°53	48°11	46°93

8	9	10	11
2	3	4	5
54·0	64·0	63.0	62·3
56·2	68·2	65·5	64·1
57·3	67·5	67·9	70·6
55·3	68·4	65·8	63·0
58·9	59·8	57·9	57·4
59·4	57·9	59·5	59·0
—	—	—	—
52·4	52·2	53·4	52·3
62·9	59·4	58·1	56·5
54·0	54·5	54·0	53·9
54·7	57·9	55·4	50·8
50·7	49·9	50·3	50·5
55·5	56·9	58·5	59·9
—	—	—	—
55·1	55·9	53·2	54·0
51·0	49·6	52·5	53·1
55·9	56·5	61·1	60·0
63·1	63·1	59·7	61·9
55·7	55·9	57·2	55·0
57·4	55·1	55·1	54·8
—	—	—	—
50·1	48·1	49·8	48·3
50·5	51·0	51·4	51·4
47·7	48·1	48·1	47·3
50·3	52·5	51·2	50·9
55·5	56·9	56·3	56·4
54·7	53·0	52·5	51·1
—	—	—	—
62·3	62·1	61·6	60·4
61·1	60·2	58·5	57·9
57·07	57·09	56·63	56·31
52·5	55·2	54·8	53·6
54·6	56·8	55·8	54·2
52·5	53·2	51·9	51·2
55·2	56·5	55·6	54·9
—	—	—	—
44·8	45·1	45·2	43·5
51·3	51·6	51·9	51·3
55·0	54·4	54·2	54·8
57·6	57·9	56 9	56·4
56·5	56·4	56·5	55·8
54·2	54·4	54·2	53·9
—	—	—	—
50·0	49·7	48·1	47·1
40·9	39·6	38·6	37·5
37·8	35·4	35·8	34·4
39·3	40·3	40·0	39·3
46·6	47·0	46·4	46·0
52·7	53·2	50·8	48·3
—	—	—	—
39·6	35·4	33·9	32·6
32·4	29·1	29·7	28·5
35·6	36·6	36·5	35·6
44·9	45·1	45·3	43·3
47·2	47·2	48·1	43·3
48·1	47·1	47·0	47·2
—	—	—	—
54·5	53·2	51·7	51·2
54·2	53·6	51·8	50·3
52·5	52·6	53·4	51·2
51·8	51·2	51·0	48·3
53·7	53·6	53·8	53·4
48·74	48·53	48·11	46·98

WET THERMOMETER.													
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
61·6	61·4	62·8	62·7	62·7	61·9	61·9	62·8	—	—	—	—	62·06
63·4	63·0	62·4	61·4	59·3	59·0	58·8	58·5	57·4	56·7	56·4	52·3	61·92
60·0	62·6	61·1	58·4	58·7	59·1	58·7	56·9	54·7	56·4	55·5	58·9	61·93
61·8	59·3	58·2	56·6	54·9	53·5	50·8	53·0	53·2	53·0	52.8	52·4	59·68
57·3	55·9	54·7	52·3	50·9	51·0	51·4	51·1	49·7	50·3	49·2	49·1	55·18
57·8	59·9	60·2	61·2	61·5	62·1	—	—	—	—	—	—	53·67
—	—	—	—	—	—	49·0	44·4	43·5	41·9	39·3	40·6	
50·8	45·9	44·4	44·4	44·2	44·0	47·3	51·4	51·4	49·7	47·7	47·3	48·39
54·9	53·5	52·9	52·5	51·0	51·0	49·8	49·3	48·3	47·3	47·6	47·6	53·41
52·2	51 0	49·8	47·3	46·3	46·3	46·0	44·0	44·0	44·6	40·6	40·6	49·64
47·5	45·3	45·4	46·0	43·6	43·2	43·1	41·7	42·1	41·1	40·8	39·7	47·73
49·1	45·4	45·1	44·9	44·4	43·1	46·7	45·8	47·7	48·9	49·6	49·7	47·78
51·4	62·3	61·7	60·2	51·0	52·8	—	—	—	—	—	—	54·31
—	—	—	—	—	—	49·7	49·5	52·2	51·2	51·2	50·8	
50·7	49·4	45·8	48·1	46·2	45.7	44·5	46·6	17·6	46·8	46·1	39·3	51·65
50·9	48·3	46·7	45·3	43·9	42·7	41·5	41·2	40·8	41·7	39·0	37·8	45·68
50·7	59·1	58·0	59·1	58·3	60·2	58·9	60·3	58·5	59·1	58·1	58·5	56·15
55·3	53·0	51·5	51·1	50·2	49·6	48·8	48·3	47·1	47·3	45·8	43·7	56·51
54·6	51·6	51·4	52·0	52·2	52·2	52·2	52·2	52·6	52·6	52·5	52·2	52·79
54·9	50·3	50·3	49·1	47·7	46·0	—	—	—	—	—	—	48·90
—	—	—	—	—	—	37·7	36·6	36·6	36·3	36·1	34·3	
47·2	46·1	47·3	47·8	48·3	49·2	48·6	47·5	46·8	47·4	47·0	49·3	46·66
49·5	47·7	47·8	48·3	48·7	48·7	46·3	47·7	47·6	47·0	46·2	45·6	48·57
47·3	46·0	45·9	45·5	44·0	44·1	44·3	43·5	43·2	42·7	41·9	40·1	46·17
48·7	46·1	46·9	47·5	46·8	46·6	47·0	45·3	45·5	46·0	46·7	45·7	47·69
54·2	51·7	48·5	48·8	48·1	47·5	46·8	44·4	41·7	40·6	40·4	39·1	48·97
50·3	49·8	47·2	47·5	48·7	47·5	—	—	—	—	—	—	51·01
—	—	—	—	—	—	56·7	55·5	57·6	57·2	57·3	56·7	
60·2	60·0	59·7	59·7	59·5	59·1	58·7	58·3	58·5	58·5	58·3	58·6	60·36
58·3	58·3	55·1	55·3	54·9	54·2	55·1	52·7	51·2	52·6	51·0	51·5	56·71
54·93	53·19	52.34	52·04	51·00	50·78	50·01	49·52	48·78	48·68	47·88	47·34	52·80
47·8	46·9	45.5	45·8	43·3	43·0	42·0	40·8	42·2	42·0	44·6	46·1	48·37
53·4	53·7	52.7	51·4	51·7	52·0	51·2	53·6	54·2	54·6	54·5	54·4	52·78
51·2	51·2	51.0	51·2	51·1	50·9	51·0	51·2	51·0	51·0	51·2	50·0	51·35
54·2	54·2	52.2	51·3	51·2	51·3	—	—	—	—	—	—	47·57
—	—	—	—	—	—	34·3	32·7	32·1	31·8	32·3	31·4	
40·5	38·2	37·0	36·4	36·3	36·6	35·5	33·2	34·2	36·7	36·0	36·3	38·86
51·0	50·5	50·2	49·9	50·0	50·0	50·3	48·2	48·5	47·5	47·9	47·8	49·03
55·2	55·5	55·5	55·7	56·0	56·0	56·2	56·8	57·6	58·2	58·7	56·8	54·76
53·4	51·4	49·5	50·4	52·1	51·6	50·6	49·7	48·2	47·5	46·4	50·7	53·82
52·6	56·7	57·2	58·2	58·2	58·2	57·9	56·0	55·8	55·4	55·1	55·8	55·84
53.2	52·9	52·8	50·0	49·0	47·7	—	—	—	—	—	—	48·68
—	—	—	—	—	—	37·4	36·4	35·5	33·9	37·4	38·8	
47·7	47·9	47·9	47·5	48·3	49·7	48·3	49·4	50·2	50·0	50·4	50·5	46·96
36·9	36·7	36·6	36·0	36·3	36·7	34·8	34·0	32·6	31·5	31·0	28·3	38·51
33·4	30·0	31·0	30·4	29·6	29·7	29·9	28·7	28·8	28·7	30·6	31·8	32·23
34·3	33·8	32·2	32·4	32·2	32·4	32·4	30·4	28·9	30·4	30·2	30·7	34·65
41·3	40·0	41·9	39·6	35·7	34·6	33·7	33·3	32·9	32·4	32·4	33·1	38·95
47·1	47·0	46·6	47·0	46·3	44·7	—	—	—	—	—	—	45·13
—	—	—	—	—	—	40·8	40·0	40·0	39·2	39·3	38·0	
30·9	29·1	28·3	27·5	26·6	25·4	23·7	23·0	22·6	22·8	22·3	22·1	31·49
27·5	25·8	25·8	26·8	27·1	25·5	23·2	22·3	23·2	22·3	22 0	18 7	26·50
34·1	28·6	27·6	27·5	26.3	26·5	25·3	25·3	24·4	23·6	23·7	23·2	28·95
43·7	43·8	44·2	42·1	41.6	39·6	40·2	39·9	40·3	41·0	41·0	40·8	39·70
39·6	38·1	37·3	38·1	39.0	38·5	38 2	38·2	39 3	39·6	38·8	38·2	42·02
45·8	45 9	45·3	45·1	45.0	44·7	—	—	—	—	—	—	44·26
—	—	—	—	—	—	40·8	40·8	40·6	39·3	38·4	38·1	
48·5	48·6	44·3	43·9	42·7	42·0	41·7	41·4	40·8	40·6	39·0	40·1	45·85
47·1	45·1	43·3	46·1	44·8	44·9	43·2	41·0	38·1	36·6	35·5	36·3	46·15
50·7	49·8	49·2	49·1	48·7	53·0	55·4	54·9	55·2	55·4	55·5	55·0	50·14
48·1	47·0	46·6	46·8	46·8	46·8	46·8	47·9	47·6	47·5	47·7	47·8	50·49
53·4	53·4	53·0	52·7	53·5	54·4	52·7	52·8	51·2	50·2	47·7	47·2	51·72
45·29	44·51	43·88	43·66	43·32	43·19	41·37	40·81	40·59	40·36	40·35	40·30	44·26

WET THERMOMETER.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
NOVEMBER.	1	45·8	45·5	46·4	48·3	51·2	50·3	51·4	50·9	49·2	47·0	46·3	45·1
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	37·2	37·4	38·2	39·3	40·5	47·5	47·3	48·0	46·0	44·2	42·7	41·4
	4	38·2	38·3	38·5	40·8	41·7	40·8	41·9	41·4	41·3	41·3	40·5	40·6
	5	38·4	37·6	38·0	37·8	38·5	41·2	41·4	41·4	39·5	39·6	40·2	40·0
	6	39·8	39·6	40·8	41·7	42·4	43·2	42·9	43·9	43·7	44·1	43·1	41·7
	7	36·4	36·3	35·9	37·4	38·1	38·2	39·0	38·5	39·3	39·3	39·2	39·0
	8	35·9	35·9	35·7	35·4	34·9	34·0	33·1	33·3	32·6	33·1	32·9	32·4
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	32·9	34·1	36·1	37·0	38·1	39·9	40·8	41·9	43·4	42·3	42·2	39·4
	11	36·1	36·1	36·3	35·4	35·6	36·3	37·9	38·1	39·6	39·6	39·6	38·2
	12	28·7	29·6	32·2	35·1	35·6	37·3	36·3	37·5	37·6	36·9	36·5	35·1
	13	34·4	35·1	36·8	41·9	43·7	46·4	46·2	46·9	46·8	47·5	46·0	45·1
	14	37·0	38·6	39·8	41·5	41·5	44·4	43·7	43·7	43·9	42·1	42·2	41·2
	15	30·2	30·4	31·9	34·3	36·7	39·8	38·8	39·3	40·3	41·2	40·2	38·8
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	37·1	38·8	40·0	41·7	42·7	44·3	45·6	45·3	45·6	47·0	47·4	47·0
	18	46·9	47·1	47·8	47·7	48·8	51·6	51·0	51·4	50·5	50·7	50·8	50·8
	19	43·0	40·6	40·0	40·1	40·2	39·8	40·2	40·3	39·9	39·3	38·7	38·6
	20	36·6	36·3	37·9	42·2	45·0	46·8	48·2	47·6	48·0	47·1	45·3	46·4
	21	31·2	29·9	30·7	31·7	31·9	33·6	32·7	31·5	32·0	32·2	30·5	32·4
	22	28·5	29·6	30·7	31·4	32·2	32·2	32·2	32·4	32·7	32·8	33·2	32·7
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	20·8	20·6	20·6	22·1	24·2	25·2	25·4	24·8	25·7	23·6	22·5	21·5
	25	31·9	31·8	32·6	34·1	33·3	35·5	35·3	34·6	34·7	34·0	33·1	32·2
	26	31·2	31·2	31·0	30·2	30·2	30·0	30·2	30·6	30·9	31·2	31·7	31·2
	27	21·6	20·7	19·6	18·9	18·5	18·5	20·4	20·8	21·0	20·6	19·8	20·3
	28	6·9	6·5	6·5	9·5	11·2	13·7	15·2	15·7	16·5	17·6	15·8	15·2
	29	13·9	14·9	15·8	16·5	17·5	18·8	20·8	20·9	20·9	20·9	20·4	22·3
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		32·82	32·91	33·59	34·88	35·77	37·17	37·52	37·63	37·66	37·40	36·84	36·34
DECEMBER.	1	18·5	18·5	18·5	19·0	19·8	19·7	20·6	21·6	20·6	20·9	19·4	19·4
	2	10·1	8·9	10·6	11·5	14·7	15·3	15·6	16·5	17·0	17·0	15·1	9·7
	3	8·9	9·4	10·8	13·1	13·7	14·2	15·1	17·0	17·9	18·0	19·6	20·4
	4	26·1	26·1	27·1	27·9	29·9	30·7	27·6	27·6	28·7	28·8	27·6	26·5
	5	20·1	19·7	19·9	20·8	22·9	23·2	24·0	24·8	24·6	22·5	22·1	21·5
	6	21·1	20·6	22·5	23·7	24·6	24·6	24·4	24·7	24·4	24·4	23·5	21·7
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	24·4	24·4	25·0	26·3	27·3	29·6	30·3	30·7	31·2	31·9	31·2	29·7
	9	29·3	29·1	29·9	30·4	30·3	30·8	30·7	31·2	31·6	31·3	30·9	31·1
	10	14·9	14·9	12·9	15·6	15·0	15·7	15·6	15·4	16·0	16 2	15·4	15·1
	11	4·1	3·4	2·5	1·9	4·0	5·5	6·9	8·3	9·5	8·7	7·1	6·2
	12	−2·3	−1·9	−1·1	4·7	9·5	12·1	13·9	16·0	18·7	19·4	18·9	18·3
	13	15·8	13·1	15·4	23·6	27·1	27·8	27·9	28·5	29·7	29·9	29·7	30·4
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	32·2	31·4	32·0	32·3	31·2	31·2	29·7	28·9	29·6	28·3	29·7	29·3
	16	22·2	21·3	24·2	25·7	28·2	29·7	31·2	32·0	32·4	32·5	32·4	30·6
	17	22·9	29·1	29·8	31·4	32·4	32·4	32·2	34·1	34·4	34·7	35·1	35·1
	18	31·4	30·2	31·2	31·6	31·7	31·6	31·6	31·4	32·4	31·6	31·0	30·1
	19	4·7	6·3	7·5	10·3	12·2	12·4	12·2	12·0	11·8	11·4	11·3	12·1
	20	7·3	7·9	8·6	9·1	10·3	12·1	12·7	13·9	14·5	14·0	14·0	14·0
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	10·1	10·2	10·5	12·1	15·4	17·2	18·7	17·9	18·7	19·2	19·0	16·0
	23	12·9	14·9	15·8	16·7	18·8	21·5	22·5	24·6	23·6	23·6	22·8	19·9
	24	18·9	17·9	18·3	19·2	21·1	23·0	25·2	25·5	26·6	26·1	25·6	25·2
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	15·6	14·7	13·2	14·1	15·3	15·3	16·0	19.3	19·8	20·4	19·6	14·2
	27	15·7	15·5	15·3	18·7	20·8	22·7	24·8	25·9	27·1	26·1	25 9	25·4
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	32·9	33·0	33·8	33·9	33·7	34·3	34·9	34·7	34·9	38·4	34·3	32·6
	30	27·5	26·3	26·5	26·0	25·4	25·0	27·3	26·1	27·1	26·5	24·5	22·3
	31*	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		17·61	17·80	18·43	20·02	21·41	22·32	22·86	23·54	24·11	24·11	23·43	22·30

* Wet Thermometer put up for comparison with Standard Thermometer.

8	9	10	11
2	3	4	5
°	°	°	°
49·2	47·0	46·3	45·1
—	—	—	—
46·0	44·2	42·7	41·4
41·3	41·3	40·5	40·6
39·5	39·6	40·2	40·0
43·7	44·1	43·1	41·7
39·3	39·3	39·2	39·0
32·6	33·1	32·9	32·4
—	—	—	—
43·4	42·3	42·2	39·4
39·6	39·6	39·6	38·2
37·6	36·9	36·5	35·1
46·8	47·5	46·0	45·1
43·9	42·1	42·2	41·2
40·3	41·2	40·2	38·8
—	—	—	—
45·6	47·0	47·4	47·0
50·5	50·7	50·8	50·8
39·9	39·3	38·7	38·6
48·0	47·1	45·3	46·4
32·0	32·2	30·5	32·4
32·7	32·8	33·2	32·7
—	—	—	—
25·7	23·6	22·5	21·5
34·7	34·0	33·1	32·9
30·9	31·2	31·7	31·2
21·0	20·6	19·8	20·3
16·5	17·6	15·8	15·2
20·9	20·9	20·4	22·3
—	—	—	—
37·66	37·40	36·84	36·34
20·6	20·9	19·4	19·4
17·0	17·0	15·1	9·7
17·9	18·0	19·6	20·4
28·7	28·8	27·6	26·5
24·6	22·5	22·1	21·5
24·4	24·4	23·5	21·7
—	—	—	—
31·2	31·9	31·2	29·7
31·6	31·3	30·9	31·1
16·0	16 2	15·4	15·1
9·5	8·7	7·1	6·2
18·7	19·4	18·9	18·5
29·7	29·9	29·7	30·4
—	—	—	—
29·6	28·3	29·7	29·5
32·4	32·5	32·4	30·6
34·4	34·7	35·1	35·1
32·4	31·6	31·0	30·7
11·8	11·4	11·3	12·1
14·5	14·0	14·0	14·0
—	—	—	—
18·7	19·2	19·0	16·0
23·6	23·6	22·8	19·9
26·6	26·1	25·6	25·2
—	—	—	—
19·8	20·4	19·6	14·2
27·1	26·1	25 9	25·4
—	—	—	—
34·9	38·4	34·3	32·6
27·1	26·5	24·5	22·3
—	—	—	—
24·11	24·11	23·43	22·30

WET THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
°	°	°	°	°	°	°	°	°	°	°	°	°
44·2	42·7	38·2	38·7	37·3	37·3	—	—	—	—	—	—	
—	—	—	—	—	—	35·6	35·1	35·0	37·4	37·5	37·0	43·06
41·3	41·6	40·8	40·4	40·6	40·2	39·7	36·8	35·7	36·7	37·5	37·7	40·78
40·2	39·2	39·2	38·5	38·2	37·9	37·5	37·2	37·2	37·4	37·5	37·6	39·29
40·6	39·8	38·8	38·5	38·2	39·3	39·6	39·7	39·6	39·8	39·8	40·0	39·48
39·8	39·5	38·8	38·3	38·7	39·3	39·8	38·8	38·8	37·9	37·1	36·0	40·40
39·4	39·3	39.2	39·2	39·2	39·1	39·2	39·0	38·8	38·4	37·1	36·6	38·38
32·1	32·1	32·1	32·6	33·4	32·8	—	—	—	—	—	—	
—	—	—	—	—	—	35·3	32·5	32·5	33·5	34·1	34·0	33·51
36 3	33·4	32·4	35·3	35·5	35·9	35·6	36·3	35·9	35·9	35·5	36·1	37·18
38·4	37·6	36·6	37·4	35·7	35·5	35·6	34·3	34·5	33·1	33·3	29·8	36·28
33·9	32·7	31·2	31·7	29·3	30·4	33·3	33·5	33·4	32·4	33·5	34·2	33·66
44·2	43·2	42·5	42·2	42·5	43·2	42·8	41·2	40·8	38·1	36·3	37·2	42·13
40·2	40·8	40·8	39·0	36·8	36·8	35·7	34·5	33·1	33·5	33·1	32·2	39·00
39·4	39·8	40·2	39·2	40·2	40·8	—	—	—	—	—	—	
—	—	—	—	—	—	36·1	36·2	36·1	36·1	35·7	35·6	37·39
47·0	46·8	47·1	47·9	49·0	48·5	49·0	48·5	48·6	47·5	47·7	47·0	45·71
51·2	51·4	51·0	50·5	50·0	48·5	48·5	47·8	46·0	45·2	44·4	44·5	48·92
36·8	37·3	36·4	32·4	30·6	29·6	31·2	32·4	34·7	34·6	36·7	36·6	37·08
41·4	40·6	40·5	39·9	39·9	38·2	38·2	36·6	35·7	35·7	35·5	32·4	40·92
32·6	32·4	32·1	29·6	26·3	27·9	29·3	28·6	28·8	28·8	27·9	27 4	30·50
33·7	34·9	35·3	35·7	36·1	36·5	—	—	—	—	—	—	
—	—	—	—	—	—	24·7	22 5	22·7	22 9	20·8	21·3	30·32
20·6	20·2	22·0	23·2	22·6	2	20·4	20·6	22·6	24·2	24·2	31·2	22·97
32·3	32·1	31·2	31·2	30·2	31 9	27·5	27·7	27·9	28·8	29·9	31·4	31·88
30·6	30·3	30·2	30·4	30·5	30·5	29 9	27·5	26·5	26·5	24·7	22·9	29·59
19·9	18·5	17·8	14·9	13·9	12·0	11 0	10·4	11·3	10·4	9·4	8·4	16 61
16·0	16·7	17·5	16·2	13·9	11·3	9·9	11·6	11·8	11·5	11 8	12·9	12·98
21·9	22·3	22·5	20·8	20·6	21·0	—	—	—	—	—	—	
—	—	—	—	—	—	14 7	15 8	17·7	18·0	18·1	18·2	18·97
35·76	35·41	34·98	34·55	33·97	33·88	32·72	32·20	32·23	32·17	31·96	31·93	34·68
18·8	17·7	17·5	15·1	15·6	16·0	16·5	16·2	16·4	16·6	16·2	12·1	17·97
2·9	2·1	0·5	2·0	0·4	5·9	3·6	2·2	1·0	2·9	6·2	8·3	7·90
20·6	21·0	22·3	22·5	22·7	23·4	24·0	25·2	26·1	25·9	26·5	26·1	19·35
26·1	25·5	24·5	25·2	25·2	24·4	23·8	23·9	23·1	21·1	20·6	22·5	25·85
21·5	21·3	20·2	19·3	20·8	21·5	20·2	22·1	22·8	22·7	22·6	22·1	21·80
21·8	21·3	22·3	19·4	19·4	19·9	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	23·2	23·7	24·3	24·6	22·73
29·6	29·3	28·8	28·9	28·8	29·1	29·2	28·5	27·9	27 2	29·6	28·9	28·66
31·1	30·5	30·2	29·6	28·5	26·6	25·9	23·4	21·1	19·4	18·0	16·0	27·79
15·1	14·5	14·2	14·9	14·7	13·7	13·4	14·1	8·9	5·5	4·3	4·6	13·36
5·8	5·3	5·6	5·5	5·7	3·7	2·5	2·0	1·5	1·8	0·8	1·0	4·55
18·3	17·5	17·0	16·9	18·2	17·9	17·9	18·8	18·7	19·5	20·6	19·2	14·45
30·2	30·2	30·0	30·2	30·8	30·7	—	—	—	—	—	—	
—	—	—	—	—	—	33·7	33·9	33·9	33·3	33·6	33·1	28·44
29·1	28·6	28·2	27·3	25·6	25·9	25·5	24·8	20·4	23·9	24·2	23·9	28·21
29·3	29·1	27·9	27·3	27·6	26·1	25·4	25·4	20·7	19·9	25·5	25·9	27·19
34·3	34·3	34·6	33·6	34·9	34·4	34·3	35·5	35·3	34·8	34·9	31·8	33·18
30·4	30·7	30·7	30·2	31·0	24·9	23·8	14·4	10·1	7·6	6·4	5·4	25·92
10·8	10·3	9·9	9·4	9·4	8·9	7·9	6·5	6·2	5·8	5·6	5·5	9·18
13·7	13·6	12·5	10·1	8·5	9·2	—	—	—	—	—	—	
—	—	—	—	—	—	10·3	10·3	9·2	10·8	9·9	10·1	11·11
13·0	91·6	11·2	12·2	12·4	12·3	11·8	12·9	13·1	12·6	8·5	11·8	13·68
20·6	20·7	20·4	20·6	20·2	20·0	20·1	20·1	20·2	19·4	19·4	19·2	19·94
24·8	25·0	25·7	24·4	24·0	24·2	—	—	—	—	—	—	
—	—	—	—	—	—	13·2	12·3	11·9	13·5	15·4	16·0	20·96
13·1	9·0	7.4	8·5	13·9	12·5	12·0	12·7	8·6	14·7	15·6	15·7	14·22
25·2	26·1	26·9	26·7	26·2	26·9	—	—	—	—	—	—	
—	—	—	—	—	—	32·5	32·2	31·9	31·7	32·4	32·5	25·63
31·7	31·1	32·3	31·9	32·2	32·2	31·2	29·2	29·3	28·6	29·9	29·6	32·53
22·1	21·7	21·7	21·6	21·6	22·0	20·7	18·9	15·4	13·9	8·9	9·9	22·10
—	—	—	—	—	—	—	—	—	—	—	—	—
21·56	21·12	20·90	20·37	20·73	20·49	19·98	19·20	18·34	18·27	18·40	18·23	20·66

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

Hours of Mean Göttingen Time.		0	1	2	3	4	5	6	7	8	9	10	11
Hours of Mean Toronto Time.		18	19	20	21	22	23	0	1	2	3	4	5
Humidity of the Air. JANUARY.	1	66	71	72	68	64	70	62	64	61	67	73	69
	2	79	76	79	77	77	74	73	78	82	71	78	87
	3	88	95	89	93	91	96	96	96	96	98	98	99
	4	69	78	72	72	73	64	61	52	53	54	82	93
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	82	82	82	81	84	85	85	89	87	87	86	82
	7	89	94	95	93	90	97	100	98	97	95	79	76
	8	76	79	77	85	86	88	92	82	83	81	68	72
	9	91	86	93	90	88	78	81	86	78	71	73	63
	10	81	76	80	81	84	79	79	77	76	79	77	78
	11	85	88	84	89	92	88	84	82	82	77	76	77
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	94	94	94	92	92	75	97	89	82	77	80	82
	14	78	77	84	91	87	83	84	87	80	80	75	74
	15	89	89	84	90	94	91	95	91	91	91	98	86
	16	91	88	88	90	89	97	94	98	98	92	93	93
	17	92	88	88	88	71	96	97	94	97	92	93	86
	18	75	74	83	87	79	83	87	89	77	71	75	73
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	87	84	87	88	87	90	90	93	89	87	87	88
	21	90	89	92	95	96	94	96	96	90	91	95	96
	22	72	77	79	82	88	78	75	73	72	73	58	100
	23	92	91	87	95	95	88	70	78	81	80	78	79
	24	93	95	94	98	95	98	96	95	94	95	91	90
	25	91	82	76	77	87	75	76	67	65	68	69	76
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	92	95	92	93	90	67	65	75	73	72	73	74
	28	94	85	83	90	89	88	90	93	95	93	92	89
	29	70	78	86	84	83	81	75	84	70	69	54	68
	30	73	70	77	69	85	83	83	87	87	76	74	69
	31	84	79	79	90	90	79	72	63	63	66	62	70
Hourly Means		84	84	84	86	86	84	83	84	81	80	79	81
Tension of the Vapour. JANUARY.	1	In. ·153	In. ·156	In. ·159	In. ·185	In. ·143	In. ·163	In. ·151	In. ·156	In. ·140	In. ·153	In. ·151	In. ·135
	2	·119	·116	·119	·121	·130	·128	·140	·148	·142	·119	·128	·133
	3	·164	·175	·173	·189	·189	·201	·208	·208	·213	·221	·237	·234
	4	·135	·146	·133	·141	·144	·141	·138	·119	·125	·126	·171	·185
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	·084	·082	·081	·080	·082	·086	·086	·097	·097	·097	·094	·086
	7	·108	·122	·128	·098	·105	·113	·119	·118	·127	·125	·117	·113
	8	·100	·106	·105	·119	·130	·139	·152	·140	·141	·142	·158	·117
	9	·169	·166	·167	·175	·175	·173	·184	·185	·173	·163	·166	·149
	10	·126	·121	·126	·132	·146	·136	·138	·139	·146	·140	·132	·122
	11	·114	·117	·113	·123	·136	·137	·138	·135	·136	·125	·121	·117
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	·121	·097	·097	·090	·093	·078	·097	·092	·087	·085	·087	·087
	14	·073	·070	·075	·081	·079	·074	·078	·087	·080	·082	·076	·071
	15	·111	·112	·108	·122	·137	·143	·159	·158	·162	·162	·153	·148
	16	·152	·143	·138	·137	·134	·142	·138	·137	·138	·126	·126	·120
	17	·098	·097	·097	·098	·078	·112	·114	·116	·121	·111	·106	·092
	18	·083	·079	·088	·097	·090	·095	·102	·099	·086	·076	·074	·067
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	·101	·097	·102	·105	·113	·122	·128	·137	·140	·138	·138	·138
	21	·142	·140	·152	·150	·151	·149	·162	·170	·168	·169	·166	·153
	22	·125	·131	·133	·140	·157	·152	·148	·148	·151	·148	·124	·174
	23	·093	·092	·106	·155	·166	·159	·141	·156	·161	·159	·158	·159
	24	·181	·189	·186	·202	·199	·208	·206	·207	·201	·200	·188	·174
	25	·136	·111	·100	·097	·107	·103	·111	·101	·106	·109	·105	·105
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	·101	·107	·110	·125	·155	·138	·136	·160	·155	·154	·155	·133
	28	·197	·172	·173	·175	·198	·203	·205	·213	·211	·216	·208	·211
	29	·113	·122	·130	·130	·137	·140	·129	·145	·113	·103	·080	·094
	30	·068	·065	·068	·063	·086	·087	·090	·098	·099	·084	·079	·069
	31	·076	·065	·063	·075	·076	·063	·058	·050	·050	·055	·048	·049
Hourly Means		·120	·118	·120	·126	·131	·133	·135	·138	·136	·133	·131	·129

APOUR.

8	9	10	11
2	3	4	5
61	67	73	69
82	71	78	87
96	98	98	99
53	54	82	93
—	—	—	—
87	87	86	82
97	95	79	76
83	81	68	72
78	71	73	63
76	79	77	78
82	77	76	77
—	—	—	—
82	77	80	82
80	80	75	74
91	91	88	86
98	92	93	93
97	92	93	86
77	71	75	73
—	—	—	—
89	87	87	88
90	91	95	96
72	73	58	100
81	80	78	79
94	95	91	90
65	68	69	76
—	—	—	—
73	72	73	74
95	93	92	89
70	69	54	68
87	76	74	69
63	66	62	70
81	80	79	81
In.	In.	In.	In.
·140	·153	·151	·135
·142	·119	·128	·133
·213	·221	·237	·234
·125	·126	·171	·185
—	—	—	—
·097	·097	·094	·086
·127	·125	·117	·113
·141	·142	·158	·117
·173	·163	·166	·149
·146	·140	·132	·122
·136	·125	·121	·117
—	—	—	—
·087	·085	·087	·083
·080	·082	·076	·071
·162	·162	·153	·148
·138	·126	·126	·120
·121	·111	·106	·092
·086	·076	·074	·067
—	—	—	—
·140	·138	·138	·126
·168	·169	·166	·175
·151	·148	·124	·171
·161	·159	·158	·159
·201	·200	·188	·174
·106	·109	·105	·105
—	—	—	—
·155	·154	·155	·153
·211	·216	·208	·211
·113	·103	·080	·094
·099	·084	·079	·069
·050	·055	·048	·049
·136	·133	·131	·129

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
64	63	72	89	72	80	81	81	80	80	76	67	71
87	87	84	87	84	84	85	85	80	79	78	86	81
97	97	74	74	84	82	79	82	82	83	78	73	88
93	81	76	64	61	60	—	—	—	—	—	—	73
—	—	—	—	—	—	90	72	78	77	81	91	
82	81	81	81	84	84	91	94	92	94	97	84	86
75	75	82	82	86	78	74	78	84	88	78	78	86
81	78	84	78	81	88	97	93	88	89	88	88	83
75	91	70	80	85	79	82	84	85	85	86	76	82
77	77	77	79	81	80	85	85	85	83	84	85	80
76	79	76	71	78	80	—	—	—	—	—	—	84
—	—	—	—	—	—	93	91	94	95	89	92	
84	86	91	93	78	88	89	94	85	84	79	78	87
79	88	86	92	92	94	89	92	92	94	93	92	86
90	90	91	93	91	85	93	90	88	88	88	90	90
87	87	87	88	85	90	90	90	89	90	87	91	91
83	82	80	82	82	80	81	78	82	80	78	80	85
80	78	78	76	81	84	—	—	—	—	—	—	82
—	—	—	—	—	—	93	99	87	86	—	87	
89	89	91	89	90	90	92	92	94	91	94	91	90
97	79	80	83	98	84	91	86	91	90	88	82	90
83	84	88	83	88	91	94	92	94	94	90	91	83
82	79	82	83	88	80	79	84	90	91	93	95	85
90	88	91	89	83	85	83	81	78	83	85	81	89
79	84	76	76	77	76	—	—	—	—	—	—	80
—	—	—	—	—	—	92	93	92	90	90	89	
78	78	79	81	81	81	81	83	85	83	84	78	81
95	82	79	89	93	93	90	94	67	73	73	72	86
64	68	68	70	68	72	76	80	76	71	70	68	73
93	83	81	76	77	71	76	75	78	79	80	80	78
77	58	75	71	72	73	80	72	87	70	63	65	73
83	81	81	81	82	82	86	86	85	85	84	83	83
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·126	·123	·140	·168	·135	·144	·141	·139	·135	·134	·122	·102	·144
·135	·133	·135	·141	·143	·148	·150	·150	·143	·143	·145	·162	·136
·249	·260	·191	·179	·186	·176	·167	·172	·170	·171	·160	·146	·193
·178	·154	·148	·131	·128	·127	—	—	—	—	—	—	·129
—	—	—	—	—	—	·108	·084	·082	·079	·083	·088	
·084	·079	·077	·076	·080	·082	·092	·101	·102	·103	·107	·097	·089
·109	·105	·109	·111	·119	·111	·100	·101	·102	·108	·111	·098	·112
·123	·131	·130	·129	·135	·142	·157	·159	·158	·162	·162	·166	·138
·157	·167	·121	·120	·118	·108	·115	·114	·118	·116	·111	·111	·146
·127	·125	·124	·125	·127	·112	·104	·109	·116	·115	·113	·114	·126
·116	·116	·110	·098	·098	·090	—	—	—	—	—	—	·115
—	—	—	—	—	—	·091	·088	·096	·114	·113	·111	
·083	·070	·073	·080	·066	·083	·089	·093	·081	·075	·080	·076	·085
·076	·098	·089	·092	·093	·095	·095	·101	·110	·109	·108	·110	·088
·153	·153	·157	·159	·157	·155	·159	·154	·149	·148	·148	·155	·147
·113	·110	·106	·106	·100	·105	·107	·107	·105	·103	·097	·100	·120
·087	·085	·084	·086	·086	·085	·086	·086	·092	·085	·082	·085	·095
·068	·060	·057	·054	·053	·045	—	—	—	—	—	—	·082
—	—	—	—	—	—	·107	·091	·098	·098	·104	·101	
·139	·139	·141	·139	·143	·144	·146	·146	·145	·142	·145	·140	·132
·168	·140	·139	·147	·159	·145	·157	·152	·157	·154	·148	·137	·154
·124	·113	·105	·094	·093	·092	·096	·094	·097	·094	·078	·079	·120
·163	·159	·165	·166	·171	·162	·161	·170	·177	·175	·179	·181	·156
·174	·173	·178	·173	·166	·170	·166	·162	·156	·154	·142	·128	·178
·105	·108	·096	·095	·093	·088	—	—	—	—	—	—	·104
—	—	—	—	—	—	·101	·105	·110	·101	·101	·094	
·158	·156	·157	·163	·164	·163	·163	·166	·169	·166	·170	·165	·150
·209	·175	·161	·168	·173	·173	·166	·158	·118	·122	·119	·116	·177
·085	·089	·087	·085	·079	·081	·084	·084	·079	·076	·073	·067	·100
·087	·084	·079	·072	·071	·067	·066	·062	·060	·063	·070	·072	·075
·051	·038	·044	·048	·038	·036	·037	·033	·037	·030	·027	·028	·049
·128	·124	·119	·119	·117	·116	·119	·118	·117	·116	·115	·112	·124

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

		Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
		Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
Humidity of the Air.	FEBRUARY.	1	72	72	85	92	95	90	57	76	77	77	78	74
		2	—	—	—	—	—	—	—	—	—	—	—	—
		3	79	82	83	83	88	82	95	90	85	92	85	93
		4	88	90	90	90	93	96	98	92	91	100	82	90
		5	75	76	78	76	73	77	74	70	79	68	78	83
		6	71	78	78	90	88	90	83	77	73	75	72	65
		7	72	71	70	88	80	80	79	75	77	79	79	77
		8	64	69	76	85	90	89	75	74	83	87	87	82
		9	—	—	—	—	—	—	—	—	—	—	—	—
		10	78	75	79	91	95	90	89	92	88	81	79	78
		11	89	88	93	94	92	89	89	88	91	83	84	89
		12	60	63	71	61	70	71	75	80	65	63	68	61
		13	67	63	84	76	80	77	53	72	75	78	77	74
		14	79	79	85	83	83	86	85	84	74	86	84	84
		15	81	83	83	85	86	88	88	89	87	84	85	86
		16	—	—	—	—	—	—	—	—	—	—	—	—
		17	91	93	93	94	98	67	73	74	68	68	79	82
		18	73	71	78	78	82	81	87	80	81	86	81	78
		19	87	86	83	82	86	90	83	83	85	83	80	78
		20	79	79	81	77	74	74	74	74	74	80	80	77
		21	89	85	89	91	90	90	87	39	72	68	73	71
		22	81	79	80	82	—	—	92	88	87	96	96	71
		23	—	—	—	—	—	—	—	—	—	—	—	—
		24	76	80	79	78	73	80	76	74	74	74	74	78
		25	78	91	89	79	76	73	74	71	69	67	66	72
		26	75	69	64	65	64	55	55	57	60	59	66	65
		27	86	88	85	88	73	82	80	81	80	80	79	86
		28	85	86	93	89	62	96	85	94	92	89	69	82
Hourly Means			78	79	82	83	79	79	79	82	79	79	78	77
Tension of the Vapour.	FEBRUARY.		In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
		1	·033	·033	·138	·045	·052	·055	·039	·053	·057	·059	·062	·055
		2	—	—	—	—	—	—	—	—	—	—	—	—
		3	·081	·085	·085	·094	·091	·088	·109	·111	·103	·110	·103	·110
		4	·114	·117	·119	·123	·129	·136	·140	·105	·099	·102	·080	·073
		5	·060	·058	·062	·064	·066	·071	·071	·071	·078	·066	·075	·078
		6	·042	·043	·044	·055	·056	·058	·063	·062	·060	·060	·057	·052
		7	·062	·058	·060	·084	·082	·092	·095	·098	·106	·111	·111	·102
		8	·048	·047	·053	·066	·077	·085	·077	·080	·098	·100	·103	·084
		9	—	—	—	—	—	—	—	—	—	—	—	—
		10	·110	·107	·113	·141	·161	·155	·155	·164	·158	·150	·143	·141
		11	·130	·125	·133	·142	·153	·162	·170	·169	·178	·163	·161	·149
		12	·133	·135	·146	·118	·122	·106	·099	·098	·078	·089	·070	·057
		13	·030	·026	·036	·038	·043	·046	·035	·049	·051	·057	·057	·054
		14	·067	·069	·083	·082	·087	·097	·108	·115	·125	·132	·134	·137
		15	·166	·169	·176	·183	·191	·196	·199	·204	·206	·196	·194	·197
		16	—	—	—	—	—	—	—	—	—	—	—	—
		17	·161	·171	·175	·185	·201	·144	·162	·171	·155	·157	·169	·172
		18	·137	·134	·147	·152	·165	·166	·181	·163	·164	·181	·167	·156
		19	·060	·161	·159	·161	·169	·187	·183	·180	·181	·175	·174	·159
		20	·155	·161	·176	·185	·191	·200	·193	·191	·197	·197	·197	·199
		21	·169	·164	·176	·193	·208	·231	·229	·223	·202	·195	·209	·197
		22	·167	·164	·172	·193	—	—	·247	·231	231	·242	·238	·167
		23	—	—	—	—	—	—	—	—	—	—	—	—
		24	·156	·159	·170	·181	·185	·200	·198	·194	·199	·198	·191	·188
		25	·161	·186	·204	·221	·217	·226	·237	·226	·222	·215	·208	·215
		26	·149	·141	·138	·146	·148	·129	·130	·130	·135	·133	·143	·139
		27	·126	·122	·133	·162	·154	·175	·179	·180	·193	·175	·165	·164
		28	·119	·118	·129	·130	·095	·161	·151	·165	·168	·170	·126	·144
Hourly Means			·110	·115	·126	·131	·127	·138	·144	·143	·144	·142	·139	·132

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
72	79	86	79	54	73	—	—	—	—	—	—	
—	—	—	—	—	—	81	82	80	85	78	87	78
80	90	82	81	82	83	84	72	95	86	88	87	85
80	76	80	79	79	79	77	79	80	77	76	87	85
68	71	77	76	76	71	78	88	81	85	78	85	77
67	69	70	80	80	76	80	75	74	80	67	66	76
78	84	62	82	62	67	63	71	74	60	74	61	74
66	75	74	50	69	66	—	—	—	—	—	—	
—	—	—	—	—	—	84	81	82	83	82	80	77
80	81	82	84	67	84	86	84	86	88	88	87	85
83	91	85	86	88	88	86	86	87	90	88	50	86
66	53	66	67	71	70	65	69	65	64	65	80	67
73	74	73	81	79	80	78	78	79	80	80	79	75
82	82	79	80	81	83	80	78	78	75	80	83	81
85	87	88	89	87	83	—	—	—	—	—	—	
—	—	—	—	—	—	81	81	79	86	91	91	85
71	77	84	75	73	78	75	71	71	74	70	71	78
91	83	86	85	94	96	88	89	89	87	86	88	84
78	74	72	68	68	73	73	72	78	78	79	86	79
79	77	77	77	75	79	80	79	84	86	85	95	80
71	72	63	78	69	76	72	76	73	80	78	79	78
71	70	71	73	79	78	—	—	—	—	—	—	
—	—	—	—	—	—	97	96	97	98	96	91	85
79	72	80	91	86	79	77	82	87	90	88	89	80
72	65	75	63	52	68	65	62	65	68	69	78	71
71	78	80	79	81	80	83	—	91	93	85	84	72
91	93	92	96	95	88	87	78	86	82	85	85	85
88	83	78	79	88	92	95	98	—	93	88	87	87
77	77	78	78	77	79	80	79	81	82	81	81	79

TENSION OF THE ATMOSPHERIC VAPOUR.

In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·049	·051	·050	·045	·033	·049	—	—	—	—	—	—	
—	—	—	—	—	—	·079	·079	·075	·077	·074	·087	·064
·080	·099	·102	·101	·101	·105	·107	·098	·118	·113	·114	·113	·101
·070	·068	·067	·064	·065	·064	·060	·063	·067	·066	·069	·073	·089
·067	·061	·071	·068	·065	·058	·062	·067	·061	·062	.053	·053	·066
·056	·060	·066	·078	·084	·081	·082	·076	·073	·077	·063	·061	·063
·095	·094	·088	·086	·065	·051	·064	·067	·070	·047	·053	·048	·079
·056	·053	·045	·039	·052	·057	—	—	—	—	—	—	
—	—	—	—	—	—	·107	·107	·109	·111	·112	·110	·078
·144	·151	·152	·149	·154	·147	·136	·137	·138	·137	·133	·128	·142
·155	·166	·151	·151	·152	·148	·151	·150	·153	·159	·161	·119	·152
·056	·066	·054	·055	·054	·047	·040	·040	·036	·033	·031	·035	·074
·053	·053	·052	·061	·064	·078	·076	·059	·059	·063	·061	·062	·052
·135	·138	·138	·143	·150	·156	·154	·152	·155	·156	·162	·166	·126
·196	·201	·193	·184	·178	·184	—	—	—	—	—	—	
—	—	—	—	—	—	·157	·153	·154	·162	·167	·167	·182
·152	·156	·155	·149	·149	·154	·150	·142	·141	·144	·138	·136	·158
·168	·147	·152	·150	·144	·146	·137	·154	·160	·159	·159	·161	·156
·153	·149	·149	·147	·155	·156	·156	·155	·160	·159	·154	·159	·159
·195	·193	·193	·187	·182	·187	·184	·191	·184	·180	·171	·173	·185
·193	·200	·171	·188	·156	·173	·175	·175	·171	·178	·168	·169	·188
·166	·165	·166	·165	·172	·171	—	—	—	—	—	—	
—	—	—	—	—	—	·222	·217	·203	·187	·178	·174	·193
·182	·171	·176	·184	·177	·182	·181	·183	·179	·185	·184	·176	·182
·211	·205	·210	·192	·174	·209	·182	·162	·163	·157	·144	·159	·196
·146	·153	·153	·139	·147	·140	·139	·	·149	·146	·130	·127	·140
·160	·158	·150	·149	·149	·138	·133	·119	·131	·123	·126	·126	·150
·159	·150	·142	·144	·155	·162	·168	·180	·	·132	·148	·158	·147
·129	·129	·127	·126	·124	·128	·129	·127	·126	·125	·123	·122	·129

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

		Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
		Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
Humidity of the Air.	MARCH.	1	80	82	74	70	66	65	60	56	53	61	53	70
		2	—	—	—	—	—	—	—	—	—	—	—	—
		3	80	89	86	85	71	70	84	92	93	92	73	86
		4	93	95	88	77	78	77	74	72	71	74	74	67
		5	—	94	96	—	91	88	84	78	77	68	58	57
		6	89	87	81	89	70	73	72	75	72	69	79	71
		7	92	78	83	78	79	75	80	60	79	76	74	76
		8	91	83	94	89	62	48	42	29	30	33	34	33
		9	—	—	—	—	—	—	—	—	—	—	—	—
		10	79	76	61	66	65	60	58	60	68	68	78	98
		11	77	82	91	53	66	87	61	56	60	59	65	74
		12	90	80	76	71	73	79	79	79	62	71	73	79
		13	82	86	83	82	71	65	55	55	49	50	66	57
		14	89	87	91	86	86	87	81	78	76	78	89	79
		15	77	71	75	60	83	66	62	71	81	86	88	70
		16	—	—	—	—	—	—	—	—	—	—	—	—
		17	89	88	85	80	80	81	75	82	70	69	72	67
		18	88	98	88	86	58	55	58	74	68	73	73	80
		19	81	71	67	72	60	53	55	43	55	74	64	68
		20	73	70	67	64	73	89	65	—	69	68	66	82
		21	—	—	—	—	—	—	—	—	—	—	—	—
		22	87	67	64	59	49	58	57	56	58	54	62	69
		23	—	—	—	—	—	—	—	—	—	—	—	—
		24	69	72	66	67	69	66	56	48	52	41	41	49
		25	59	59	68	39	65	52	53	34	32	33	37	34
		26	85	71	80	70	71	63	55	78	53	51	55	59
		27	73	77	70	60	51	50	46	43	43	55	53	61
		28	78	71	68	65	63	60	60	58	57	62	62	69
		29	94	95	86	80	73	60	60	54	48	89	43	51
		30	—	—	—	—	—	—	—	—	—	—	—	—
		31	90	77	71	71	69	65	54	60	58	60	54	55
Hourly Means			82	80	78	69	70	68	63	63	61	64	63	67
			In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Tension of the Vapour.	MARCH.	1	·156	·162	·153	·159	·152	·156	·149	·149	·148	·172	·147	·169
		2	—	—	—	—	—	—	—	—	—	—	—	—
		3	·159	·165	·153	·150	·123	·120	·150	·166	·163	·164	·132	·155
		4	·127	·149	·163	·154	·167	·175	·171	·178	·184	·174	·164	·145
		5	—	·178	·183	—	·185	·186	·185	·188	·193	·191	·171	·168
		6	·131	·133	·145	·170	·146	·155	·160	·165	·169	·160	·179	·153
		7	·167	·156	·177	·177	·194	·194	·200	·200	·194	·186	·184	·184
		8	·217	·208	·289	·283	·227	·188	·174	·126	·128	·136	·130	·127
		9	—	—	—	—	—	—	—	—	—	—	—	—
		10	·116	·115	·109	·114	·124	·123	·125	.138	·147	·145	·162	·194
		11	·124	·132	·153	·102	·141	·183	·129	·121	·131	·128	·141	·152
		12	·170	·160	·155	·174	·171	·185	·186	·188	·186	·184	·183	·192
		13	·136	·151	·150	·174	·166	·164	·140	·154	·137	·137	·144	·145
		14	·185	·190	·202	·201	·202	·216	·219	·215	·202	·170	·176	·160
		15	·080	·075	·081	·070	·101	·081	·076	·092	·105	·112	·112	·091
		16	—	—	—	—	—	—	—	—	—	—	—	—
		17	·122	·125	·127	·134	·129	·134	·134	·151	·139	·132	·139	·130
		18	·121	·133	·120	·122	·091	·089	·095	·108	·103	·107	·106	·113
		19	·089	·082	·081	·094	·077	·073	·080	·067	·084	·100	·089	·090
		20	·101	·100	·103	·102	·124	·154	·115	—	·124	·122	·121	·142
		21	—	—	—	—	—	—	—	—	—	—	—	—
		22	·133	·112	·117	·118	·118	·141	·141	·142	·155	·144	·164	·165
		23	—	—	—	—	—	—	—	—	—	—	—	—
		24	·146	·153	·146	·149	·159	·155	·137	·125	·132	·106	·104	·118
		25	·110	·110	·138	·096	·175	·143	·152	·103	·100	·092	·110	·100
		26	·165	·148	·187	·178	·184	·184	·183	·174	·177	·177	·183	·193
		27	·171	·182	·222	·221	·214	·206	·193	·207	·192	·208	·183	·199
		28	·187	·189	·193	·199	·208	·231	·210	·212	·221	·221	·225	·233
		29	·176	·199	·233	·242	·253	·233	·265	·264	·255	·337	·235	·246
		30	—	—	—	—	—	—	—	—	—	—	—	—
		31	·259	·264	·277	·305	·311	·315	·289	·303	·300	·301	·304	·271
Hourly Means			·148	·147	·162	·162	·166	·167	·164	·164	·163	·160	·160	·161

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
53	61	53	70	78	77	78	82	81	79	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	91	78	88	94	85	86	74
93	92	73	86	93	94	94	92	73	81	81	89	96	100	99	95	87
71	74	74	67	60	61	70	74	76	83	81	94	96	97	96	—	79
77	68	58	57	58	66	62	62	68	74	76	82	77	71	78	80	75
72	69	79	71	78	82	81	90	86	86	86	89	93	86	81	81	81
79	76	74	76	79	76	75	82	92	87	90	89	90	94	95	94	83
30	33	34	35	36	37	43	46	45	48	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	96	90	78	80	80	80	59
68	68	78	98	72	79	82	86	85	90	84	91	92	93	81	79	77
60	59	65	74	86	84	78	88	91	82	84	88	86	83	83	88	77
62	71	73	79	79	80	86	87	84	89	89	82	90	83	77	72	80
49	50	66	57	57	55	66	73	77	79	84	88	79	31	83	83	71
76	78	89	79	36	93	86	90	63	67	65	73	71	74	74	76	78
81	86	88	70	72	69	82	86	85	44	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	97	89	87	96	92	85	78
70	69	72	67	74	72	72	73	75	78	76	80	75	78	83	90	78
68	73	73	80	59	62	71	73	72	77	81	85	89	84	83	90	76
55	74	64	68	82	80	83	89	92	88	72	77	95	97	96	79	75
69	68	66	82	90	70	81	91	64	57	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	98	98	82	76	76
58	54	62	69	77	78	78	89	73	83	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	97	78	96	98	97	99	74
52	41	41	49	60	61	59	63	70	71	70	66	66	57	64	60	61
32	31	37	34	65	51	60	68	74	82	82	85	90	91	95	93	62
53	51	55	59	59	63	64	75	74	60	57	55	52	55	66	62	64
43	55	53	61	62	62	72	81	82	82	82	77	74	78	85	85	67
57	62	62	69	70	72	74	76	75	82	82	82	92	88	93	94	72
48	89	43	51	45	59	62	66	70	72	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	84	86	92	91	93	89	73
58	60	54	55	58	61	65	68	68	70	74	85	83	85	82	79	69
61	64	63	67	67	70	71	78	76	76	82	82	85	85	85	83	63
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·148	·172	·147	·169	·163	·156	·162	·170	·164	·164	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	·188	·160	·171	·178	·168	·167	·162
·163	·164	·132	·155	·160	·151	·148	·148	·122	·132	·134	·144	·145	·144	·143	·130	·146
·184	·174	·164	·145	·131	·133	·161	·169	·173	·187	·183	·193	·196	·188	·188	—	·168
·193	·191	·171	·168	·155	·157	·143	·132	·135	·139	·138	·145	·128	·119	·124	·123	·158
·169	·160	·179	·153	·151	·156	·156	·170	·164	·162	·164	·170	·173	·166	·153	·146	·158
·194	·186	·184	·184	·187	·185	·190	·204	·219	·206	·212	·209	·207	·214	·218	·224	·195
·128	·136	·130	·127	·120	·110	·128	·127	·122	·123	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	·151	·141	·123	·125	·126	·121	·156
·147	·145	·162	·194	·141	·157	·162	164	·163	·163	·151	·155	·155	·155	·140	·133	·144
·131	·128	·141	·152	·157	·162	·147	·158	·157	·141	·149	·153	·153	·152	·153	·164	·145
·186	·184	·183	·192	·188	·187	·195	·182	·174	·160	·151	·137	·145	·141	·138	·125	·169
·137	·137	·144	·145	·131	·124	·143	·156	·156	·162	·166	·168	·158	·163	·162	·166	·152
·202	·170	·176	·160	·119	·153	·127	·123	·084	·086	·082	·089	·084	·184	·079	·080	·151
·105	·112	·112	·091	·091	·120	·087	·088	·071	·034	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	·137	·124	·120	·118	·128	·117	·138
·139	·132	·139	·130	·131	·129	·124	·119	·120	·125	·120	·123	·114	·114	·119	·124	·127
·103	·107	·106	·113	·080	·080	·088	·086	·084	·089	·096	·101	·106	·100	·098	·103	·101
·084	·100	·089	·090	·103	·097	·095	·099	·101	·101	·082	·088	·116	·114	·114	·107	·088
·124	·122	·121	·142	·156	·121	·142	·155	·106	·091	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	·158	·158	·136	·127	·127
·155	·144	·164	·165	·164	·158	·167	·172	·134	·144	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	·203	·163	·200	·203	·202	·207	·156
·132	·106	·104	·118	·134	·134	·133	·137	·144	·144	·139	·126	·123	·108	·111	·112	·132
·100	·092	·110	·100	·164	·126	·141	·141	·145	·151	·154	·156	·170	·171	·160	·163	·136
·177	·177	·183	·193	·187	·188	·189	·211	·227	·210	·189	·183	·182	·182	·191	·173	·185
·192	·208	·183	·199	·186	·184	·196	·192	·200	·202	·202	·186	·183	·186	·196	·187	·196
·221	·221	·225	·233	·208	·198	·196	·193	·184	·202	·204	·202	·212	·198	·188	·181	·200
·255	·337	·235	·246	·224	·251	·216	·238	·229	·237	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	·243	·239	·240	·235	·240	·256	·158
·300	·301	·304	·271	·267	·269	·302	·287	·287	·269	·267	·307	·305	·315	·301	·308	·291
·163	·160	·160	·161	·156	·155	·157	·161	·155	·153	·163	·161	·163	·165	·159	·150	·159

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
Humidity of the Air. APRIL.	1	81	75	70	69	65	65	65	63	59	59	58	58
	2	81	87	86	74	58	53	77	49	46	44	46	38
	3	84	61	74	62	60	56	60	49	56	54	63	65
	4	66	62	53	54	50	46	39	44	39	38	38	41
	5	63	56	55	59	56	63	49	82	46	80	82	92
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	87	85	78	61	67	85	96	96	99	86	98	96
	8	85	86	88	88	91	88	59	64	71	71	78	83
	9	86	86	82	70	65	55	47	51	55	60	51	58
	10	73	57	52	41	42	40	91	56	51	53	46	48
	11	70	65	75	71	67	55	48	44	37	27	33	35
	12	84	74	58	44	43	47	45	46	44	44	52	54
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	46	46	43	37	37	29	36	40	35	37	39	16
	15	67	35	34	29	38	39	35	39	35	35	35	37
	16	45	44	46	53	43	43	43	57	62	66	69	68
	17	93	91	91	89	93	93	90	90	88	87	88	85
	18	97	92	87	92	89	84	84	83	84	82	79	82
	19	96	96	94	93	93	96	94	94	94	93	94	91
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	92	90	85	90	88	83	83	82	77	77	73	73
	22	91	83	77	81	69	70	69	70	67	71	70	67
	23	79	69	66	65	62	60	56	51	56	52	58	59
	24	96	96	94	91	88	82	80	78	76	75	81	77
	25	81	78	79	77	71	74	72	71	67	65	78	86
	26	85	97	96	94	90	84	81	79	78	74	68	73
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	80	80	85	82	76	76	72	66	62	59	66	70
	29	49	46	45	36	39	53	65	58	57	51	60	51
	30	64	82	82	77	71	76	71	66	70	69	68	67
Hourly Means		78	74	72	66	66	65	66	64	62	62	64	63
		In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Tension of the Vapour. APRIL.	1	·281	·229	·183	·175	·155	·153	·157	·159	·149	·148	·146	·142
	2	·181	·201	·225	·233	·196	·194	·229	·152	·133	·130	·131	·105
	3	·122	·093	·120	·108	·111	·115	·128	·115	·136	·130	·140	·141
	4	·151	·151	·133	·140	·132	·131	·112	·123	·104	·104	·099	·112
	5	·088	·083	·083	·106	·104	·126	·101	·162	·088	·141	·135	·149
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	·116	·113	·110	·090	·101	·134	·164	·183	·180	·156	·177	·163
	8	·093	·101	·113	·118	·132	·130	·092	·108	·124	·133	·146	·165
	9	·102	·114	·132	·139	·130	·121	·114	·125	·142	·150	·132	·140
	10	·149	·140	·158	·150	·152	·150	·144	·173	·147	·150	·132	·134
	11	·136	·129	·149	·149	·147	·138	·124	·119	·109	·080	·093	·092
	12	·146	·154	·139	·120	·129	·153	·136	·142	·146	·146	·162	·160
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	·113	·125	·135	·131	·149	·124	·163	·174	·161	·173	·179	·099
	15	·128	·091	·124	·135	·185	·181	·166	·192	·172	·186	·179	·199
	16	·140	·137	·142	·165	·143	·142	·135	·177	·184	·192	·203	·199
	17	·222	·222	·224	·222	·232	·232	·239	·241	·244	·250	·251	·244
	18	·248	·245	·224	·243	·241	·235	·240	·249	·251	·246	·250	·249
	19	·290	·273	·259	·256	·274	·276	·269	·268	·271	·272	·287	·271
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	·245	·251	·250	·264	·271	·248	·255	·255	·250	·261	·246	·240
	22	·216	·239	·236	·272	·249	·256	·252	·264	·249	·258	·271	·259
	23	·274	·273	·279	·295	·322	·339	·328	·358	·319	·287	·300	·289
	24	·346	·365	·403	·450	·464	·498	·502	·497	·492	·485	·463	·390
	25	·230	·223	·222	·216	·221	·219	·222	·210	·217	·224	·232	·251
	26	·221	·256	·284	·276	·278	·294	·331	·311	·311	·304	·306	·331
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	·223	·253	·313	·325	·322	·357	·372	·362	·335	·327	·332	·314
	29	·179	·191	·205	·186	·198	·256	·314	·279	·277	·240	·284	·276
	30	·202	·249	·265	·286	·281	·307	·309	·311	·364	·349	·347	·315
Hourly Means		·186	·188	·197	·202	·203	·212	·215	·220	·214	·212	·216	·208

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
61	55	69	73	87	87	93	93	91	94	88	79	71
39	46	57	72	72	68	83	64	80	71	64	79	64
94	94	94	92	93	94	94	95	96	96	96	83	78
47	55	68	71	68	74	72	71	57	56	54	56	55
95	92	75	80	62	66	—	—	—	—	—	—	74
—	—	—	—	—	—	100	100	—	—	—	88	
56	60	68	74	79	79	83	97	97	100	89	81	88
73	81	61	56	60	68	71	73	78	81	83	91	76
57	58	67	91	80	87	88	74	62	62	66	74	68
54	54	52	60	57	60	64	66	67	67	62	66	57
35	37	49	49	79	79	82	70	75	76	78	85	59
61	74	74	80	77	80	—	—	—	—	—	—	57
—	—	—	—	—	—	43	52	47	45	47	49	
17	10	20	30	35	37	53	52	54	53	62	66	39
43	58	53	55	57	41	30	35	47	60	48	43	43
66	85	84	86	87	89	88	87	89	84	85	88	69
88	91	94	93	93	93	91	95	96	93	93	97	91
82	84	83	86	84	87	87	93	94	95	96	96	88
94	99	88	81	92	83	—	—	—	—	—	—	91
—	—	—	—	—	—	91	90	86	88	91	94	
70	83	87	84	94	91	96	95	95	93	97	96	87
76	77	78	79	73	77	77	78	88	85	85	82	77
71	87	90	89	91	89	91	91	87	85	88	91	74
82	82	84	80	81	78	70	79	83	89	85	83	83
88	89	88	90	92	87	90	97	97	97	97	96	84
67	80	80	81	78	81	—	—	—	—	—	—	81
—	—	—	—	—	—	70	82	77	82	84	81	
69	66	80	45	48	47	48	45	45	67	66	61	65
47	59	54	65	62	65	66	64	66	39	69	71	57
90	88	95	93	92	84	96	90	83	82	97	93	81
67	71	73	74	75	76	78	78	77	79	79	80	71

In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·147	·129	·145	·126	·140	·140	·144	·140	·138	·144	·166	·162	·158
·102	·113	·128	·131	·123	·148	·167	·135	·125	·107	·097	·116	·150
·177	·178	·176	·172	·175	·177	·178	·178	·179	·180	·176	·170	·149
·111	·121	·132	·130	·122	·128	·122	·119	·091	·084	·078	·076	·115
·148	·136	·102	·106	·081	·084	—	—	—	—	—	—	·111
—	—	—	—	—	—	·100	·100	—	—	—	·118	
·067	·086	·087	·092	·095	·092	·098	·109	·109	·113	·105	·088	·119
·132	·132	·092	·079	·076	·089	·090	·088	·090	·093	·092	·100	·109
·131	·131	·147	·191	·160	·167	·167	·144	.134	·135	·143	·156	·139
·140	·133	·125	·142	·133	·138	·138	·140	.139	·138	·128	·124	·141
·084	·079	·097	·094	·132	·124	·129	·102	.113	·118	·123	·131	·116
·169	·190	·177	·191	·168	·188	—	—	—	—	—	—	·147
—	—	—	—	—	—	·118	·136	·116	·112	·115	·117	
·088	·053	·111	·100	·109	·097	·117	·112	·116	·120	·134	·124	·125
·191	·205	·166	·159	·159	·142	·116	·128	·149	·164	·138	·131	·157
·187	·220	·216	·212	·214	·221	·220	·218	·221	·206	·208	·215	·188
·247	·248	·258	·258	·256	·249	·244	·246	·252	·246	·243	·250	·242
·248	·259	·259	·257	·249	·254	·254	·276	·285	·277	·286	·287	·255
·283	·271	·267	·238	·233	·231	—	—	—	—	—	—	·259
—	—	—	—	—	—	·244	·239	·230	·234	·239	·245	
·235	·234	·234	·204	·207	·216	·213	·197	·194	·192	·190	·198	·231
·257	·247	·254	·246	·239	·252	·251	·256	·279	·270	·265	·266	·254
·335	·316	·373	·331	·317	·308	·330	·375	·361	·339	·326	·330	·321
·385	·379	·380	·353	·355	·345	·291	·276	·257	·266	·244	·230	·380
·269	·238	·241	·239	·240	·234	·241	·249	·245	·245	·245	·245	·234
·310	·302	·292	·301	·309	·334	—	—	—	—	—	—	·273
—	—	—	—	—	—	·208	·215	·200	·193	·192	·190	
·320	·278	·289	·191	·194	·187	·179	·159	·151	·192	·192	·193	·265
·205	·236	·209	·236	·222	·224	·216	·214	·218	·220	·217	·213	·230
·370	·358	·399	·401	·398	·325	·364	·379	·335	·344	·353	·333	·331
·206	·203	·206	·199	·196	·196	·190	·190	.189	·189	·188	·185	·201

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

		Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
		Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
Humidity of the Air.	MAY.	1	97	92	84	63	63	61	58	47	38	36	36	42
		2	65	63	53	51	44	48	43	44	39	38	38	32
		3	86	71	72	68	60	57	62	59	61	53	58	54
		4	—	—	—	—	—	—	—	—	—	—	—	—
		5	72	67	55	49	47	44	40	59	54	55	54	63
		6	87	75	69	69	50	—	—	—	—	60	55	54
		7	72	73	72	76	61	62	58	57	57	47	47	39
		8	48	53	40	53	56	56	54	50	55	60	65	58
		9	82	67	68	61	58	67	64	66	65	64	58	56
		10	74	72	63	71	67	67	70	70	69	62	54	50
		11	—	—	—	—	—	—	—	—	—	—	—	—
		12	87	72	62	69	67	64	63	50	48	55	52	62
		13	96	92	88	62	66	66	68	62	63	56	59	63
		14	88	85	86	82	85	82	94	92	89	91	94	88
		15	89	91	89	91	80	74	68	63	60	55	55	48
		16	73	63	59	59	73	72	78	76	80	78	73	63
		17	82	66	55	66	63	62	72	70	64	64	56	52
		18	—	—	—	—	—	—	—	—	—	—	—	—
		19	79	80	80	75	68	65	59	66	67	81	78	76
		20	72	73	72	62	65	65	79	78	76	77	76	79
		21	71	73	73	66	77	76	73	71	68	67	69	68
		22	72	61	56	57	54	68	73	83	91	92	92	95
		23	94	90	81	86	84	79	78	70	65	62	67	60
		24	60	55	53	52	53	50	51	44	43	41	47	41
		25	—	—	—	—	—	—	—	—	—	—	—	—
		26	62	64	53	53	47	46	45	43	46	53	55	53
		27	79	82	75	65	69	69	69	62	53	54	53	53
		28	82	82	80	88	89	95	95	93	92	85	79	75
		29	69	69	64	66	66	63	61	55	56	55	61	71
		30	76	62	59	54	66	69	67	61	63	60	65	59
		31	82	79	75	73	72	67	65	61	62	55	59	55
		32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means			79	73	68	66	65	65	66	64	62	61	61	59
Tension of the Vapour.	MAY.	1	In. ·358	In. ·417	In. ·405	In. ·314	In. ·343	In. ·347	In. ·347	In. ·288	In. ·246	In. ·237	In. ·236	In. ·241
		2	·176	·180	·155	·156	·155	·173	·166	·181	·166	·173	·180	·153
		3	·273	·260	·270	·292	·287	·294	·340	·304	·286	·252	·259	·252
		4	—	—	—	—	—	—	—	—	—	—	—	—
		5	·152	·150	·133	·130	·137	·136	·140	·198	·196	·203	·209	·219
		6	·209	·220	·226	·247	·202	—	—	—	—	·251	·245	·229
		7	·215	·194	·181	·195	·170	·184	·175	·175	·185	·160	·160	·129
		8	·092	·119	·101	·150	·163	·166	·177	·180	·198	·210	·207	·191
		9	·239	·233	·258	·241	·224	·263	·249	·258	·275	·273	·259	·238
		10	·233	·238	·229	·277	·263	·311	·325	·309	·316	·279	·261	·262
		11	—	—	—	—	—	—	—	—	—	—	—	—
		12	·410	·424	·420	·482	·486	·510	·524	·450	·435	·461	·417	·508
		13	·410	·457	·482	·457	·521	·525	·551	·519	·516	·414	·427	·403
		14	·423	·451	·444	·435	·493	·507	·519	·543	·539	·545	·548	·535
		15	·250	·227	·209	·204	·196	·191	·192	·192	·203	·186	·192	·166
		16	·147	·141	·137	·148	·210	·214	237	·229	·236	·247	·242	·231
		17	·201	·210	·205	·292	·292	·289	·328	·330	·319	·314	·284	·254
		18	—	—	—	—	—	—	—	—	—	—	—	—
		19	·327	·389	·430	·440	·442	·430	·385	·402	·353	·435	·404	·387
		20	·204	·221	·229	·216	·237	·255	·328	·324	·322	·332	·332	·329
		21	·198	·222	·246	·245	·323	·335	·327	·342	·346	·355	·377	·365
		22	·202	·183	·182	·204	·209	·261	·251	·284	·294	·295	·301	·310
		23	·232	·270	·281	·352	·376	·350	·354	·339	·325	·299	·346	·318
		24	·148	·145	·145	·155	·177	·179	·181	·166	·165	·149	·164	·149
		25	—	—	—	—	—	—	—	—	—	—	—	—
		26	·236	·262	·275	·295	·318	·346	·363	·368	·399	·462	·477	·436
		27	·311	·351	·365	·370	·425	·449	·482	·464	·387	·359	·350	·327
		28	·372	·389	·414	·457	·506	·440	·470	·480	·500	·565	·557	·556
		29	·148	·145	·138	·145	·150	·155	·169	·151	·154	·148	·163	·195
		30	·160	·146	·155	·155	·219	·237	·225	·217	·233	·234	·271	·246
		31	·224	·260	·286	·302	·333	·333	·338	·346	·354	·329	·349	·302
		32	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means			·243	·256	·259	·272	·291	·303	·314	·309	·306	·302	·304	·286

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
38	36	36	42	54	49	53	57	66	64	80	80	76	67	69	70	63
39	38	38	32	41	54	78	82	75	78	78	86	67	71	75	81	59
61	53	58	54	54	54	56	61	62	62	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	44	44	53	36	58	70	59
54	55	54	63	67	74	81	86	88	88	93	90	98	83	85	91	70
—	60	55	54	64	71	84	79	82	71	89	91	90	92	91	94	76
57	47	47	39	40	37	38	50	50	54	58	72	91	83	56	56	59
55	60	65	58	72	74	83	82	89	70	71	77	85	86	91	89	67
65	64	58	58	54	63	65	81	78	77	85	87	85	84	85	78	71
69	62	54	50	53	70	77	87	85	87	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	88	85	86	85	87	90	74
48	55	52	62	70	66	72	78	80	86	84	89	92	90	92	92	73
63	56	59	63	66	74	78	82	88	86	91	93	91	96	90	92	78
89	91	94	88	86	91	88	87	91	92	87	85	85	84	87	85	88
60	55	55	49	48	53	62	61	79	72	80	76	74	72	77	79	71
80	78	73	63	63	70	76	83	85	87	87	83	75	78	80	91	75
64	64	56	52	49	56	69	83	84	71	—	—	—	—	—	—	68
—	—	—	—	—	—	—	—	—	—	76	79	74	73	75	80	
67	81	78	76	77	76	67	91	81	73	77	75	75	73	73	75	74
76	77	76	79	64	59	65	69	83	89	81	85	84	86	87	87	75
68	67	69	68	68	71	61	62	67	61	62	64	77	81	86	88	71
91	92	92	95	95	90	90	93	93	95	97	97	95	98	99	96	85
65	62	67	60	56	40	49	48	55	54	53	54	66	74	77	71	67
43	41	47	41	44	41	45	59	62	70	—	—	—	—	—	—	55
—	—	—	—	—	—	—	—	—	—	67	65	73	78	71	64	
46	53	55	53	78	53	71	72	61	51	52	47	52	69	75	78	57
53	54	53	53	57	62	74	77	83	83	85	—	—	—	80	82	70
92	85	79	75	81	86	80	87	84	80	80	78	76	74	78	73	83
56	55	61	71	55	55	56	60	63	65	70	74	80	85	89	85	66
63	60	65	59	63	75	75	83	86	91	91	82	84	93	95	88	74
62	55	59	55	64	63	70	80	83	85	—	—	—	—	—	—	74
—	—	—	—	—	—	—	—	—	—	84	82	82	89	93	89	
62	61	61	59	62	64	69	75	77	76	77	78	79	80	82	82	70
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·246	·237	·236	·241	·284	·238	·245	·222	·240	·226	·263	·264	·249	·199	·189	·179	·274
·166	·173	·180	·153	·195	·208	·261	·249	·229	·239	·226	·234	·198	·198	·201	·231	·195
·286	·252	·259	·252	·262	·257	·262	·267	·265	·265	—	—	—	—	—	—	·238
—	—	—	—	—	—	—	—	—	—	·123	·118	·130	·123	·122	·139	
·196	·203	·209	·219	·220	·218	·205	·194	·192	·177	·188	·172	·179	·153	·155	·167	·176
—	·251	·245	·229	·231	·211	·216	·192	·201	·182	·226	·213	·224	·247	·247	·255	·224
·185	·160	·160	·139	·122	·097	·095	·114	·110	·117	·118	·134	·162	·141	·094	·093	·147
·198	·210	·207	·191	·212	·210	·237	·239	·255	·195	·196	·202	·195	·200	·195	·202	·187
·275	·273	·259	·258	·228	·244	·202	·224	·215	·206	·214	·216	·211	·218	·229	·215	·236
·316	·279	·261	·262	·292	·324	·303	·309	·288	·276	—	—	—	—	—	—	·302
—	—	—	—	—	—	—	—	—	—	·401	·377	·360	·340	·340	·346	
·435	·461	·417	·508	·488	·423	·418	·399	·404	·387	·403	·397	·390	·370	·390	·379	·423
·516	·414	·427	·403	·379	·408	·437	·415	·396	·387	·406	·400	·377	·368	·382	·387	·434
·530	·545	·548	·533	·535	·457	·460	·430	·407	·456	·405	·352	·308	·277	·267	·253	·441
·203	·186	·192	·166	·159	·154	·162	·151	·187	·161	·166	·153	·147	·139	·141	·137	·178
·236	·247	·242	·231	·230	·227	·214	·207	·203	·194	·189	·177	·163	·159	·161	·187	·197
·319	·314	·284	·254	·247	·258	·261	·288	·277	·244	—	—	—	—	—	—	·281
—	—	—	—	—	—	—	—	—	—	·318	·320	·318	·303	·297	·296	
·353	·435	·404	·367	·389	·387	·366	·381	·297	·251	·253	·242	·240	·227	·219	·209	·345
·322	·332	·332	·329	·273	·218	·211	·208	·234	·228	·209	·215	·204	·209	·198	·198	·247
·346	·355	·377	·365	·363	·313	·253	·215	·209	·184	·179	·178	·201	·202	·206	·219	·267
·294	·295	·301	·310	·309	·294	·258	·234	·222	·218	·214	·221	·197	·194	·194	·185	·238
·325	·299	·346	·315	·251	·199	·214	·193	·200	·183	·168	·152	·173	·175	·171	·152	·253
·165	·149	·164	·146	·147	·141	·131	·153	·153	·159	—	—	—	—	—	—	·179
—	—	—	—	—	—	—	—	—	—	·229	·231	·254	·270	·251	·241	
·399	·462	·477	·435	·434	·363	·339	·310	·262	·235	·239	·210	·218	·280	·281	·278	·320
·387	·359	·350	·327	·366	·362	·343	·338	·331	·315	·322	—	—	—	·347	·353	·367
·500	·565	·557	·536	·424	·334	·265	·260	·252	·227	·218	·202	·185	·173	·175	·161	·356
·154	·148	·163	·138	·151	·136	·129	·131	·135	·135	·140	·142	·144	·150	·149	·151	·148
·233	·234	·271	·246	·236	·242	·225	·237	·227	·213	·195	·187	·202	·199	·190	·182	·210
·354	·329	·349	·306	·322	·291	·286.	·297	·284	·264	—	—	—	—	—	—	·297
—	—	—	—	—	—	—	—	—	—	·271	·265	·265	·271	·275	·283	
·306	·302	·304	·284	·287	·267	·259	·254	·247	·234	·240	·230	·227	·223	·225	·225	·265

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

Hours of Mean Göttingen Time.		0	1	2	3	4	5	6	7	8	9	10	11
Hours of Mean Toronto Time.		18	19	20	21	22	23	0	1	2	3	4	5
Humidity of the Air. JUNE.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	81	80	83	78	78	74	75	76	76	75	76	76
	3	87	85	82	84	83	80	75	73	73	76	77	72
	4	88	80	79	78	84	79	81	77	80	85	79	80
	5	78	75	68	65	65	62	61	56	53	47	72	72
	6	80	70	66	62	77	71	78	79	89	90	91	89
	7	96	89	93	96	94	95	88	88	87	87	81	87
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	67	61	61	64	42	45	39	34	49	36	36	50
	10	86	70	62	74	73	72	68	61	63	66	65	70
	11	89	88	82	79	78	81	77	77	78	77	79	77
	12	96	96	95	95	93	91	90	88	84	88	73	72
	13	87	77	70	68	78	83	67	72	73	74	81	47
	14	77	64	58	49	63	74	43	42	40	45	46	38
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	84	77	85	78	81	82	84	76	82	83	88	89
	17	88	71	58	56	53	49	45	46	47	39	39	35
	18	90	81	83	77	75	70	65	66	65	62	67	67
	19	81	77	75	72	72	75	69	64	61	60	59	64
	20	89	82	81	76	80	80	83	76	73	75	78	82
	21	91	83	74	70	66	53	54	44	54	64	64	53
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	87	77	81	79	77	75	78	53	44	39	44	42
	24	90	83	78	77	75	72	68	77	73	56	64	66
	25	68	60	54	56	57	70	71	67	63	67	71	32
	26	83	71	64	78	80	62	59	63	66	68	68	69
	27	82	74	76	80	76	73	71	63	66	66	68	68
	28	76	88	92	90	88	84	84	80	86	89	83	83
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	84	75	74	78	81	81	71	75	71	77	73	73
Hourly Means		84	77	75	74	75	73	70	67	68	68	68	66
		In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Tension of the Vapour. JUNE.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	·323	·337	·373	·430	·493	·442	·433	·500	·514	·555	·541	·576
	3	·454	·471	·455	·472	·499	·587	·609	·587	·555	·563	·551	·521
	4	·446	·504	·538	·469	·547	·592	·699	·612	·520	·536	·572	·573
	5	·311	·301	·288	·290	·322	·312	·327	·318	·320	·305	·432	·421
	6	·291	·281	·274	·284	·374	·353	·346	·339	·381	·373	·388	·373
	7	·344	·384	·357	·353	·389	·416	·424	·428	·434	·417	·446	·465
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	·458	·447	·463	·530	·381	·446	·303	·368	·344	·404	·409	·558
	10	·453	·457	·459	·499	·544	·588	·599	·583	·555	·513	·489	·497
	11	·460	·459	·475	·478	·501	·537	·585	·583	·597	·590	·572	·536
	12	·473	·475	·472	·485	·555	·624	·673	·608	·601	·608	·593	·610
	13	·338	·420	·409	·429	·542	·553	·511	·510	·552	·550	·667	·370
	14	·308	·274	·279	·265	·362	·439	·274	·265	·249	·266	·228	·239
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	·327	·321	·368	·383	·382	·408	·409	·376	·391	·383	·387	·385
	17	·275	·259	·232	·240	·234	·234	·231	·247	·253	·228	·228	·215
	18	·325	·338	·394	·404	·397	·418	·406	·405	·397	·406	·428	·396
	19	·322	·348	·417	·420	·464	·488	·464	·450	·433	·449	·453	·467
	20	·361	·281	·443	·459	·531	·573	·584	·543	·541	·527	·541	·524
	21	·495	·469	·455	·441	·450	·372	·397	·337	·411	·488	·484	·389
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	·408	·412	·488	·531	·583	·580	·586	·514	·453	·405	·448	·430
	24	·531	·560	·588	·612	·623	·630	·611	·668	·586	·564	·602	·638
	25	·312	·303	·287	·328	·342	·413	·426	·397	·386	·400	·457	·423
	26	·308	·313	·333	·481	·497	·384	·389	·456	·468	·488	·505	·506
	27	·370	·404	·478	·529	·505	·492	·478	·469	·515	·338	·574	·578
	28	·359	·400	·422	·445	·464	·450	·469	·417	·458	·450	·447	·463
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	·374	·369	·377	·381	·401	·382	·359	·360	·346	·374	·356	·360
Hourly Means		·377	·383	·405	·425	·455	·469	·466	·454	·450	·447	·472	·447

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
0	1	2	3	4	5	6	7	8	9	10	11	
—	—	—	—	—	—	—	—	—	—	—	—	—
76	76	79	87	86	91	91	94	92	95	93	91	82
73	76	89	91	91	96	95	96	96	—	—	91	77
80	85	88	91	92	94	92	92	92	92	78	85	85
75	76	67	66	70	70	85	77	84	89	84	87	71
89	89	90	96	94	94	97	95	98	97	96	95	86
86	90	92	93	91	93	—	—	—	—	—	—	83
—	—	—	—	—	—	73	56	55	60	64	69	
72	72	75	79	80	82	81	88	90	92	95	92	66
79	89	92	94	94	92	95	93	91	91	92	91	72
83	84	92	92	94	95	93	98	97	97	100	96	87
64	71	81	88	87	90	86	79	78	87	91	87	85
58	62	64	69	75	87	78	87	89	81	72	75	74
37	40	71	73	75	82	—	—	—	—	—	—	64
—	—	—	—	—	—	93	81	86	84	88	91	
93	93	90	77	73	76	79	85	90	92	89	89	84
39	46	60	82	83	76	79	90	93	94	97	93	65
72	78	80	68	72	78	71	69	81	81	90	89	75
72	76	83	88	93	88	90	88	91	94	93	96	78
81	85	86	84	86	86	89	93	95	94	95	88	84
54	58	76	81	85	86	—	—	—	—	—	—	71
—	—	—	—	—	—	77	77	79	86	87	90	
48	66	72	69	75	85	82	87	91	91	93	89	72
56	60	68	70	71	76	80	81	79	87	81	79	74
33	45	56	74	74	79	83	83	75	80	90	91	67
38	44	42	62	73	80	78	85	76	76	86	85	69
74	75	80	80	88	81	85	83	85	91	88	85	77
84	83	89	93	93	95	—	—	—	—	—	—	87
—	—	—	—	—	—	86	88	93	92	90	90	
74	81	82	90	91	94	94	94	95	95	96	91	83
68	72	78	81	83	86	85	86	87	88	89	88	77

In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
—	—	—	—	—	—	—	—	—	—	—	—	—
·558	·496	·477	·464	·452	·466	·474	·456	·457	·445	·428	·417	·463
·508	·511	·482	·460	·480	·447	·441	·439	·412	—	—	·365	·494
·544	·515	·484	·463	·466	·474	·468	·479	·473	·465	·391	·351	·507
·384	·370	·322	·279	·290	·290	·338	·300	·324	·310	·282	·282	·322
·386	·370	·352	·363	·333	·315	·304	·290	·290	·299	·302	·306	·332
·426	·408	·399	·394	·388	·383	—	—	—	—	—	—	·414
—	—	—	—	—	—	·554	·431	·412	·423	·427	·433	
·596	·534	·496	·474	·460	·461	·417	·409	·397	·406	·379	·386	·442
·517	·559	·554	·557	·541	·541	·536	·455	·426	·433	·431	·448	·509
·540	·527	·497	·456	·460	·457	·457	·476	·470	·475	·500	·474	·501
·524	·539	·524	·514	·502	·516	·523	·474	·446	·451	·440	·417	·527
·401	·410	·367	·375	·384	·418	·360	·388	·384	·339	·299	·303	·428
·227	·218	·288	·256	·242	·257	—	—	—	—	—	—	·289
—	—	—	—	—	—	·392	·341	·335	·309	·307	·325	
·395	·384	·376	·333	·288	·297	·278	·265	·260	·249	·228	·227	·338
·232	·259	·299	·343	·327	·300	·284	·287	·266	·255	·246	·249	·259
·380	·380	·363	·325	·326	·326	·305	·289	·285	·283	·285	·276	·356
·516	·491	·411	·371	·359	·329	·331	·321	·312	·307	·284	·323	·398
·489	·496	·496	·575	·509	·511	·489	·496	·501	·493	·494	·476	·497
·317	·359	·397	·386	·558	·560	—	—	—	—	—	—	·406
—	—	—	—	—	—	·343	·335	·330	·319	·317	·330	
·452	·556	·539	·504	·484	·495	·468	·457	·454	·436	·464	·457	·483
·500	·471	·475	·461	·445	·462	·453	·427	·408	·420	·361	·329	·518
·217	·263	·252	·316	·298	·281	·280	·250	·252	·264	·268	·255	·311
·323	·304	·250	·303	·309	·304	·281	·281	·255	·259	·326	·318	·354
·570	·518	·337	·417	·413	·361	·382	·373	·387	·399	·374	·373	·443
·469	·449	·462	·415	·408	·415	—	—	—	—	—	—	·420
—	—	—	—	—	—	·381	·376	·381	·364	·357	·357	
·343	·339	·332	·352	·361	·354	·317	·317	·319	·328	·331	·318	·352
·433	·429	·409	·406	·403	·401	·394	·376	·369	·364	·355	·352	·414

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

		Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
		Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
Humidity of the Air.	JULY.	1	96	92	84	79	82	80	78	81	91	94	94	94
		2	76	83	81	80	82	82	83	79	83	82	82	90
		3	78	74	70	62	58	69	72	77	55	50	51	47
		4	86	81	79	78	68	64	76	77	72	73	69	73
		5	90	81	81	78	78	72	62	66	63	71	65	62
		6	—	—	—	—	—	—	—	—	—	—	—	—
		7	84	80	73	66	63	62	56	53	48	56	52	55
		8	94	85	80	74	73	70	65	64	50	52	58	50
		9	69	59	42	44	44	46	51	52	47	42	45	53
		10	85	71	55	51	85	42	66	36	40	43	51	51
		11	86	70	60	62	55	56	55	54	55	57	55	63
		12	76	72	70	71	66	57	59	40	45	35	38	37
		13	—	—	—	—	—	—	—	—	—	—	—	—
		14	83	70	72	63	68	59	57	58	54	55	54	56
		15	76	64	57	42	41	33	43	45	48	49	49	51
		16	86	78	67	68	72	72	66	62	74	55	64	69
		17	90	86	81	65	56	57	49	46	44	35	36	41
		18	68	64	57	49	45	38	47	63	64	59	61	59
		19	82	81	84	86	86	72	73	74	72	67	64	73
		20	—	—	—	—	—	—	—	—	—	—	—	—
		21	95	92	90	91	79	70	75	70	60	58	60	65
		22	75	71	67	56	86	47	51	44	43	47	50	53
		23	76	67	58	55	55	44	42	56	68	68	69	49
		24	78	77	80	73	73	72	64	56	55	51	51	56
		25	83	76	67	48	56	54	53	52	52	50	48	50
		26	88	77	68	72	67	65	63	54	61	48	53	56
		27	—	—	—	—	—	—	—	—	—	—	—	—
		28	72	71	61	51	50	50	49	43	36	34	37	35
		29	80	80	89	96	91	94	98	92	92	85	95	96
		30	82	82	77	78	74	73	69	69	75	76	66	68
		31	84	82	70	69	61	61	57	56	47	53	52	53
Hourly Means			82	77	71	67	67	62	62	60	59	57	58	59
			In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Tension of the Vapour.	JULY.	1	·358	·385	·389	·394	·408	·400	·389	·390	·395	·401	·407	·436
		2	·372	·388	·407	·420	·444	·508	·496	·495	·511	·469	·468	·492
		3	·286	·310	·312	·306	·304	·384	·417	·433	·337	·307	·320	·289
		4	·338	·331	·360	·354	·357	·350	·443	·483	·447	·465	·438	·476
		5	·352	·360	·436	·502	·515	·513	·450	·495	·482	·572	·484	·462
		6	—	—	—	—	—	—	—	—	—	—	—	—
		7	·517	·607	·622	·624	·641	·657	·632	·585	·516	·606	·537	·552
		8	·472	·526	·587	·655	·612	·617	·644	·658	·529	·585	·449	·496
		9	·386	·367	·286	·308	·318	·327	·373	·417	·392	·354	·398	·456
		10	·341	·375	·381	·412	·511	·383	·470	·322	·383	·422	·481	·460
		11	·426	·474	·469	·582	·557	·623	·684	·671	·704	·781	·704	·707
		12	·482	·598	·633	·704	·743	·782	·868	·605	·702	·559	·603	·581
		13	—	—	—	—	—	—	—	—	—	—	—	—
		14	·653	·628	·654	·715	·723	·683	·699	·700	·691	·713	·725	·712
		15	·539	·530	·498	·420	·437	·375	·493	·538	·600	·627	·630	·643
		16	·497	·647	·615	·676	·758	·825	·834	·807	·851	·684	·750	·795
		17	·686	·690	·709	·630	·566	·590	·541	·541	·533	·437	·441	·450
		18	·374	·392	·378	·359	·349	·312	·308	·574	·525	·555	·575	·586
		19	·432	·443	·495	·495	·513	·530	·553	·549	·558	·568	·504	·560
		20	—	—	—	—	—	—	—	—	—	—	—	—
		21	·674	·752	·753	·755	·778	·782	·809	·805	·727	·704	·770	·753
		22	·423	·442	·477	·463	·434	·418	·452	·396	·406	·439	·397	·436
		23	·377	·346	·319	·301	·321	·283	·275	·357	·449	·455	·437	·328
		24	·367	·426	·374	·349	·367	·365	·357	·355	·372	·364	·375	·386
		25	·373	·430	·457	·354	·454	·436	·450	·442	·458	·433	·426	·410
		26	·388	·426	·469	·494	·522	·516	·532	·483	·569	·467	·501	·496
		27	—	—	—	—	—	—	—	—	—	—	—	—
		28	·395	·394	·374	·358	·353	·366	·318	·310	·285	·283	·308	·280
		29	·377	·400	·442	·489	·495	·526	·562	·568	·616	·620	·629	·583
		30	·377	·381	·361	·369	·355	·349	·353	·375	·373	·382	·356	·329
		31	·315	·351	·359	·388	·367	·361	·359	·354	·315	·353	·350	·351
Hourly Means			·429	·459	·467	·477	·489	·492	·510	·508	·508	·504	·498	·500

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
96	96	96	97	97	96	98	96	96	92	89	94	91
91	92	97	92	91	88	80	85	94	90	90	81	86
52	52	64	69	74	80	80	82	87	88	88	91	70
79	75	87	84	88	84	84	80	91	93	96	95	80
68	68	76	86	86	81	—	—	—	—	—	—	78
—	—	—	—	—	—	82	87	87	91	95	87	
57	66	75	77	83	87	88	94	89	92	95	98	73
32	45	53	59	53	58	74	77	76	75	78	78	65
59	61	69	75	76	79	72	86	89	89	89	91	64
55	58	74	83	83	77	78	85	85	90	94	95	68
55	60	75	83	83	83	86	87	90	88	88	57	69
48	44	60	60	64	64	—	—	—	—	—	—	63
—	—	—	—	—	—	84	85	76	82	88	85	
59	71	81	89	92	92	94	92	93	88	90	88	74
59	69	80	82	77	85	84	81	80	88	89	93	65
58	74	81	87	89	92	92	89	95	97	96	92	78
40	44	59	65	62	71	66	70	77	81	86	79	62
63	70	84	78	80	82	85	83	81	82	77	84	68
73	79	87	90	89	94	—	—	—	—	—	—	83
—	—	—	—	—	—	92	97	98	98	97	97	
91	87	93	98	68	72	73	78	78	86	83	78	79
53	54	61	70	77	82	85	85	92	88	91	88	67
43	57	58	77	62	69	81	63	71	65	71	69	62
52	74	83	76	82	85	88	90	87	87	85	83	68
60	72	76	79	83	90	85	88	84	85	82	90	69
65	81	80	76	62	60	—	—	—	—	—	—	68
—	—	—	—	—	—	68	72	75	75	82	70	
44	46	54	60	80	84	85	80	79	87	87	81	61
93	94	97	98	99	93	91	92	93	90	88	89	92
72	69	70	70	72	72	74	76	84	81	89	95	75
58	72	82	79	87	90	90	92	95	95	97	96	74
62	68	76	79	79	81	83	84	86	87	88	86	72

In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·448	·448	·454	·449	·443	·442	·445	·423	·422	·405	·386	·408	·413
·462	·459	·457	·431	·438	·419	·353	·323	·306	·277	·276	·287	·415
·303	·272	·293	·302	·317	·331	·328	·319	·324	·312	·314	·315	·322
·499	·425	·400	·562	·352	·335	·324	·307	·315	·291	·290	·297	·385
·451	·429	·428	·446	·439	·426	—	—	—	—	—	—	·460
—	—	—	—	—	—	·468	·461	·458	·470	·478	·463	
·562	·566	·565	·530	·538	·480	·483	·467	·393	·401	·418	·442	·539
·321	·403	·403	·434	·372	·378	·424	·419	·366	·355	·324	·343	·474
·465	·397	·344	·338	·316	·322	·306	·319	·311	·298	·293	·305	·350
·466	·405	·402	·409	·386	·357	·356	·357	·344	·353	·353	·352	·395
·563	·544	·565	·550	·520	·517	·518	·508	·510	·475	·479	·344	·561
·724	·577	·609	·558	·621	·618	—	—	—	—	—	—	·651
—	—	—	—	—	—	·695	·687	·668	·676	·668	·651	
·677	·712	·697	·697	·662	·612	·577	·541	·530	·510	·491	·485	·645
·666	·646	·571	·536	·527	·545	·495	·466	·487	·505	·462	·512	·531
·688	·762	·748	·717	·681	·667	·688	·660	·704	·688	·677	·636	·710
·446	·433	·473	·430	·462	·474	·426	·413	·403	·374	·361	·357	·494
·590	·573	·495	·400	·368	·364	·359	·344	·342	·343	·343	·382	·425
·520	·514	·524	·504	·479	·527	—	—	—	—	—	—	·553
—	—	—	—	—	—	·728	·722	·685	·678	·624	·578	
·643	·756	·645	·648	·512	·482	·478	·446	·435	·417	·405	·394	·638
·406	·396	·419	·419	·434	·419	·422	·423	·446	·419	·419	·398	·426
·279	·343	·329	·433	·330	·346	·358	·299	·324	·310	·333	·320	·352
·389	·443	·390	·372	·408	·388	·371	·349	·361	·358	·339	·425	·377
·464	·482	·438	·420	·398	·392	·374	·365	·356	·360	·361	·339	·411
·536	·535	·512	·492	·402	·393	—	—	—	—	—	—	·460
—	—	—	—	—	—	·367	·368	·383	·391	·421	·372	
·326	·303	·311	·327	·340	·324	·315	·318	·325	·366	·366	·361	·334
·577	·549	·563	·551	·527	492	·465	·422	·411	·440	·444	·433	·507
·337	·325	·309	·299	·293	·289	·287	·292	·304	·292	·301	·244	·330
·386	·393	·390	·371	·390	·384	·358	·336	·323	·347	·364	·371	·359
·487	·485	·472	·467	·443	·434	·436	·421	·416	·412	·407	·401	·464

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
Humidity of the Air. AUGUST.	1	89	79	75	73	67	66	62	55	64	73	75	71
	2	65	81	73	67	65	54	56	62	54	55	58	55
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	89	80	73	65	67	55	63	55	49	55	57	63
	5	87	76	68	66	65	60	59	58	65	59	65	70
	6	89	83	73	72	69	67	59	55	52	61	61	55
	7	92	82	75	70	68	70	68	61	63	59	56	65
	8	90	96	98	93	89	86	73	70	67	71	75	80
	9	96	87	84	80	76	75	76	75	72	70	72	76
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	98	99	94	93	89	81	78	94	90	88	82	76
	12	84	77	90	93	49	66	69	68	61	31	42	45
	13	84	82	77	84	87	91	93	90	87	93	91	91
	14	91	84	74	61	72	70	65	63	50	51	54	61
	15	91	72	70	61	62	50	53	91	56	56	56	51
	16	76	64	56	63	57	60	60	60	59	57	59	66
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	93	93	96	91	91	81	79	78	81	72	72	76
	19	96	85	86	83	84	80	80	80	78	77	74	80
	20	96	97	97	85	80	80	77	75	75	75	74	79
	21	96	91	84	78	74	69	72	75	66	64	67	70
	22	82	80	73	66	66	61	66	84	72	65	62	74
	23	87	82	70	71	67	64	67	63	66	69	69	71
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	86	82	71	59	58	59	55	52	53	49	55	55
	26	88	84	73	65	63	62	63	67	68	67	63	64
	27	89	91	94	92	87	83	79	78	76	85	81	84
	28	82	76	71	75	76	75	76	77	72	71	64	68
	29	95	87	86	83	80	77	78	83	78	70	75	79
	30	94	94	97	91	79	66	62	60	55	55	57	57
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		89	84	80	76	73	70	69	70	67	65	66	69
Tension of the Vapour. AUGUST.	1	In. ·393	In. ·396	In. ·432	In. ·463	In. ·433	In. ·481	In. ·433	In. ·435	In. ·497	In. ·481	In. ·489	In. ·465
	2	·224	·384	·426	·422	·440	·384	·402	·391	·406	·416	·453	·395
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	·393	·483	·497	·481	·546	·512	·550	·520	·503	·533	·539	·542
	5	·427	·481	·500	·509	·536	·551	·586	·594	·655	·595	·610	·629
	6	·469	·545	·441	·641	·629	·616	·581	·554	·516	·568	·545	·525
	7	·441	·357	·584	·623	·631	·665	·676	·651	·706	·656	·647	·644
	8	·576	·602	·627	·615	·618	·643	·646	·633	·631	·619	·655	·639
	9	·577	·635	·704	·746	·727	·742	·752	·776	·757	·748	·785	·798
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	·614	·641	·641	·643	·680	·712	·710	·694	·697	·689	·678	·697
	12	·456	·481	·636	·704	·412	·577	·555	·529	·529	·301	·395	·489
	13	·394	·441	·442	·492	·526	·551	·562	·563	·591	·601	·654	·620
	14	·436	·460	·456	·417	·530	·524	·506	·493	·399	·424	·434	·473
	15	·416	·425	·484	·465	·480	·409	·429	·329	·457	·460	·464	·422
	16	·387	·427	·429	·524	·520	·537	·539	·571	·553	·532	·552	·604
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	·636	·654	·690	·708	·767	·739	·685	·732	·726	·733	·768	·766
	19	·538	·543	·552	·549	·568	·598	·620	·623	·629	·608	·614	·647
	20	·538	·611	·672	·702	·706	·725	·731	·723	·716	·725	·668	·678
	21	·557	·671	·682	·694	·689	·678	·709	·716	·676	·667	·647	·654
	22	·470	·514	·531	·510	·531	·534	·625	·679	·692	·641	·621	·666
	23	·470	·496	·556	·637	·641	·652	·663	·641	·672	·704	·661	·676
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	·378	·443	·483	·441	·529	·516	·478	·486	·482	·470	·508	·517
	26	·501	·530	·525	·518	·532	·516	·519	·558	·578	·569	·524	·539
	27	·477	·495	·499	·488	·465	·469	·463	·498	·486	·532	·499	·512
	28	·351	·359	·382	·416	·452	·451	·491	·493	·470	·456	·425	·431
	29	·458	·526	·557	·603	·612	·643	·651	·657	·669	·664	·679	·678
	30	·603	·615	·620	·630	·604	·520	·518	·510	·492	·506	·484	·461
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means		·468	·508	·540	·563	·569	·575	·580	·579	·584	·573	·578	·583

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
64	73	75	71	78	85	87	95	96	96	90	87	93	93	95	98	81
54	55	58	55	62	66	75	74	77	73	—	—	—	—	—	—	72
—	—	—	—	—	—	—	—	—	—	94	91	92	92	94	93	
49	55	57	63	68	74	72	73	88	81	83	81	88	90	88	94	73
65	59	65	70	70	79	87	88	89	87	87	91	95	95	95	91	77
52	61	61	55	67	76	86	86	88	89	87	91	92	91	93	93	76
63	59	56	65	75	73	81	87	84	84	85	84	87	88	89	75	76
67	71	75	80	78	86	91	96	96	95	95	93	95	95	97	95	88
72	70	72	76	75	85	89	90	89	91	—	—	—	—	—	—	85
—	—	—	—	—	—	—	—	—	—	97	97	99	98	97	98	
90	88	82	76	58	51	53	54	63	98	74	66	81	76	75	85	79
61	31	42	45	42	40	49	68	77	74	76	86	86	86	85	87	68
87	93	91	91	87	85	88	89	91	92	87	92	94	96	92	91	89
50	51	54	61	50	69	86	78	80	84	82	87	80	87	86	80	73
56	56	56	51	63	60	66	74	74	73	74	67	66	67	68	75	67
59	57	59	66	65	75	79	77	81	87	—	—	—	—	—	—	74
—	—	—	—	—	—	—	—	—	—	93	95	97	99	99	99	
81	72	72	76	86	71	74	80	82	88	83	84	84	88	88	89	83
78	77	74	80	84	92	94	91	96	97	98	97	96	96	96	—	88
75	75	74	79	80	82	81	89	91	96	96	95	95	98	97	89	87
66	64	67	70	71	81	84	84	81	72	68	71	74	82	84	90	77
72	65	62	74	74	91	93	94	89	94	94	90	93	91	94	85	81
66	69	69	71	75	74	79	67	67	71	—	—	—	—	—	—	73
—	—	—	—	—	—	—	—	—	—	77	72	76	78	93	87	
53	49	55	55	70	80	85	78	82	86	95	92	91	86	87	93	73
68	67	63	64	72	81	91	90	92	90	96	92	98	95	—	87	70
76	85	81	84	87	82	81	90	91	95	95	97	97	96	96	84	88
72	71	64	68	67	68	66	65	69	69	73	78	81	84	91	92	74
78	70	75	79	80	80	80	84	92	93	93	92	92	94	96	95	85
55	55	57	57	96	64	70	72	75	77	—	—	—	—	—	—	77
—	—	—	—	—	—	—	—	—	—	96	95	96	96	94	95	
67	65	66	69	71	75	80	81	84	86	87	87	89	90	91	90	79

In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·497	·481	·489	·465	·462	·465	·437	·401	·379	·363	·364	·282	·291	·274	·280	·288	·404
·406	·416	·453	·395	·431	·372	·359	·362	·340	·333	—	—	—	—	—	—	·399
—	—	—	—	—	—	—	—	—	—	·460	·426	·405	·590	·392	·356	
·503	·533	·539	·542	·600	·575	·498	·428	·459	·393	·381	·351	·374	·373	·368	·366	·469
·655	·595	·610	·620	·636	·614	·570	·518	·490	·484	·451	·426	·437	·437	·420	·410	·523
·516	·568	·545	·525	·598	·596	·536	·494	·465	·462	·444	·446	·434	·417	·418	·413	·501
·706	·656	·647	·644	·650	·592	·649	·551	·517	·508	·529	·528	·444	·520	·524	·534	·576
·631	·619	·655	·659	·652	·654	·634	·611	·585	·574	·578	·575	·574	·569	·578	·544	·610
·757	·748	·785	·798	·704	·660	·619	·581	·560	·558	—	—	—	—	—	—	·672
—	—	—	—	—	—	—	—	—	—	·622	·623	·613	·616	·603	·617	
·697	·689	·678	·697	·511	·387	·373	·372	·411	·511	·443	·381	·457	·450	·395	·435	·558
·529	·301	·395	·439	·363	·305	·318	·354	·354	·341	·346	·364	·358	·351	·348	·349	·423
·591	·601	·654	·620	·592	·527	·527	·490	·495	·531	·476	·470	·457	·412	·449	·430	·512
·399	·424	·434	·475	·393	·430	·454	·374	·349	·369	·363	·395	·378	·390	·392	·372	·426
·457	·460	·464	·422	·461	·399	·400	·411	·393	·387	·383	·343	·341	·345	·350	·365	·409
·553	·532	·552	·604	·579	·491	·467	·447	·444	·436	—	—	—	—	—	—	·536
—	—	—	—	—	—	—	—	—	—	·606	·620	·638	·656	·656	·652	
·726	·733	·768	·766	·533	·597	·784	·586	·584	·588	·598	·563	·560	·548	·535	·551	·660
·629	·608	·614	·647	·602	·582	·560	·552	·536	·540	·548	·550	·536	·534	·537	—	·572
·716	·725	·668	·678	·659	·619	·562	·595	·586	·584	·577	·554	·558	·548	·526	·484	·627
·676	·667	·647	·634	·637	·642	·649	·652	·599	·522	·458	·447	·450	·493	·491	·506	·608
·692	·641	·621	·666	·627	·635	·571	·520	·471	·468	·467	·480	·496	·472	·472	·451	·548
·672	·704	·661	·676	·662	·573	·550	·559	·520	·509	—	—	—	—	—	—	·549
—	—	—	—	—	—	—	—	—	—	·376	·376	·390	·376	·372	·353	
·482	·470	·508	·517	·597	·635	·640	·568	·580	·516	·524	·471	·475	·448	·452	·462	·504
·578	·569	·524	·539	·549	·554	·530	·524	·523	·492	·517	·493	·521	·503	—	·464	·525
·486	·532	·499	·512	·524	·497	·465	·496	·463	·438	·429	·421	·402	·407	·413	·356	·466
·470	·456	·425	·491	·415	·380	·375	·362	·389	·391	·414	·435	·441	·442	·406	·409	·419
·669	·664	·679	·678	·658	·637	·627	·600	·623	·642	·639	·628	·484	·585	·591	·594	·613
·492	·506	·484	·461	·494	·401	·413	·397	·386	·387	—	—	—	—	—	—	·464
—	—	—	—	—	—	—	—	—	—	·383	·366	·368	·358	·354	·364	
·584	·573	·578	·583	·558	·532	·529	·493	·481	·474	·479	·462	·457	·465	·453	·445	·522

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

		Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
		Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
Humidity of the Air.	SEPTEMBER.	1	96	95	85	87	79	81	80	81	78	86	85	87
		2	98	93	89	79	59	68	72	65	75	79	68	71
		3	91	90	83	72	63	60	58	60	58	55	55	66
		4	94	89	74	78	79	73	70	52	48	63	58	60
		5	85	83	79	78	71	60	60	60	87	78	65	78
		6	95	90	89	77	75	71	70	68	64	68	74	70
		7	—	—	—	—	—	—	—	—	—	—	—	—
		8	90	80	68	61	64	61	65	61	64	64	67	66
		9	93	93	95	87	83	78	57	58	84	66	63	63
		10	85	81	79	69	70	68	79	70	60	55	57	60
		11	97	84	79	78	71	62	59	70	76	74	74	50
		12	84	73	73	69	66	67	69	61	62	54	58	66
		13	75	78	75	70	70	77	85	90	95	96	96	93
		14	—	—	—	—	—	—	—	—	—	—	—	—
		15	92	90	84	81	67	86	73	38	38	42	36	48
		16	92	90	73	56	53	51	65	65	63	54	65	46
		17	98	94	89	91	86	86	81	68	60	65	78	83
		18	91	93	94	92	84	83	79	73	51	55	54	74
		19	89	88	84	69	78	75	71	69	70	70	73	81
		20	95	93	96	95	96	93	94	93	97	95	96	97
		21	—	—	—	—	—	—	—	—	—	—	—	—
		22	94	83	83	77	80	72	76	78	72	71	74	80
		23	94	94	93	94	90	89	88	92	95	94	93	93
		24	93	92	90	86	85	82	80	75	73	76	78	74
		25	86	86	84	81	68	67	58	68	62	70	70	86
		26	88	82	82	82	82	93	96	96	91	87	88	91
		27	96	98	95	95	93	88	87	87	87	88	90	94
		28	—	—	—	—	—	—	—	—	—	—	—	—
		29	97	94	84	83	79	81	75	72	71	77	73	76
		30	95	96	97	96	96	90	88	81	87	81	86	86
Hourly Means			92	89	84	80	76	75	74	71	72	72	72	76
Tension of the Vapour.	SEPTEMBER.	1	In. ·400	In. ·427	In. ·475	In. ·514	In. ·522	In. ·563	In. ·564	In. ·541	In. ·529	In. ·548	In. ·529	In. ·522
		2	·540	·572	·594	·542	·415	·488	·546	·514	·608	·619	·531	·513
		3	·418	·468	·501	·503	·484	·500	·510	·537	·534	·526	·536	·631
		4	·496	·491	·449	·507	·567	·575	·589	·484	·460	·575	·505	·453
		5	·364	·402	·421	·440	·433	·410	·435	·428	·459	·452	·392	·418
		6	·293	·364	·372	·355	·374	·439	·407	·410	·412	·397	·439	·421
		7	—	—	—	—	—	—	—	—	—	—	—	—
		8	·239	·262	·253	·255	·277	·284	·305	·289	·314	·309	·335	·317
		9	·322	·348	·372	·412	·445	·452	·356	·368	·522	·418	·388	·364
		10	·306	·332	·355	·345	·388	·337	·339	·353	·325	·315	·317	·323
		11	·249	·297	·309	·348	·345	·324	·306	·380	·371	·414	·376	·354
		12	·219	·245	·270	·306	·291	·302	·313	·284	·288	·260	·273	·297
		13	·306	·324	·331	·324	·329	·365	·382	·400	·421	·446	·474	·490
		14	—	—	—	—	—	—	—	—	—	—	—	—
		15	·359	·396	·407	·437	·425	·576	·516	·272	·267	·290	·240	·290
		16	·214	·262	·257	·225	·235	·233	·298	·293	·295	·256	·316	·364
		17	·236	·267	·298	·370	·400	·416	·425	·379	·347	·369	·479	·470
		18	·482	·513	·522	·576	·594	·620	·597	·554	·434	·441	·585	·495
		19	·277	·312	·325	·366	·373	·368	·359	·356	·373	·373	·400	·387
		20	·378	·380	·405	·433	·435	·398	·403	·424	·457	·415	·419	·419
		21	—	—	—	—	—	—	—	—	—	—	—	—
		22	·194	·204	·239	·255	·292	·286	·286	·282	·303	·278	·305	·307
		23	·325	·329	·336	·337	·323	·313	·313	·333	·353	·353	·363	·362
		24	·307	·318	·323	·308	·317	·312	·312	·295	·281	·288	·292	·279
		25	·232	·253	·275	·303	·294	·302	·281	·309	·284	·330	·314	·326
		26	·285	·301	·319	·328	·330	·343	·367	·379	·414	·431	·422	·405
		27	·222	·262	·320	·364	·392	·371	·391	·393	·395	·371	·369	·352
		28	—	—	—	—	—	—	—	—	—	—	—	—
		29	·431	·468	·494	·511	·501	·557	·522	·505	·481	·494	·472	·466
		30	·467	·465	·474	·475	·482	·467	·486	·492	·499	·470	·455	·462
Hourly Means			·329	·356	·372	·390	·395	·408	·408	·394	·401	·401	·405	·404

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
87	90	97	98	96	95	95	95	—	—	—	—	88
82	88	92	94	95	94	92	94	93	91	94	83	84
67	65	80	78	71	72	77	88	93	92	92	92	74
63	66	70	75	76	78	73	86	89	86	88	87	74
80	82	84	90	94	86	87	87	91	94	92	96	81
64	82	82	88	91	95	—	—	—	—	—	—	81
—	—	—	—	—	—	—	84	85	92	94	93	
71	83	87	82	80	79	84	80	90	90	95	95	76
61	62	69	84	80	81	84	90	89	90	89	89	79
61	66	71	82	82	80	84	90	91	85	94	95	76
46	57	63	70	83	83	82	87	87	88	93	86	75
72	70	77	83	82	87	83	89	69	71	75	77	72
99	99	97	90	92	—	—	—	—	—	—	—	90
—	—	—	—	—	—	97	97	100	96	98	96	
46	55	45	7-	71	70	65	84	97	95	94	92	69
80	92	94	95	93	95	94	98	95	94	94	95	80
85	84	82	80	85	90	89	85	88	87	91	95	84
58	64	65	76	84	83	83	83	80	94	92	95	78
83	92	90	92	96	96	96	98	96	96	95	95	85
96	85	87	91	86	77	—	—	—	—	—	—	91
—	—	—	—	—	—	86	82	85	83	86	90	
79	78	79	79	79	94	96	93	91	94	92	96	83
90	92	91	93	94	95	93	93	94	89	89	93	92
81	89	91	94	92	87	89	90	91	90	91	99	86
86	88	92	96	96	96	89	89	91	95	93	91	83
96	94	96	96	97	97	95	96	97	100	100	99	92
94	94	92	97	96	95	—	—	—	—	—	—	93
—	—	—	—	—	—	98	96	94	94	96	96	
78	78	74	76	78	77	83	76	88	92	94	97	81
97	97	91	94	95	96	96	92	93	95	89	92	92
77	80	82	86	87	87	88	89	90	91	92	93	82

In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·507	·512	·550	·550	·547	·531	·531	·547	—	—	—	—	·520
·528	·536	·534	·518	·485	·475	·470	·468	.449	·433	·433	·355	·507
·602	·467	·484	·435	·420	·428	·436	·431	.407	·428	·416	·471	·482
·447	·418	·409	·396	·376	·359	·316	·369	.378	·370	·369	·363	·448
421	·402	·389	·366	·356	·341	·350	·347	.335	·349	·331	·337	·391
·[illegible]	·466	·472	·499	·515	·534	—	—	—	—	—	—	·382
—	—	—	—	—	—	—	·263	·255	·251	·232	·241	
·308	·277	·267	·261	·255	·253	·293	·337	·355	·334	·320	·313	·292
·338	·323	·332	·362	·334	·334	·324	·330	·315	·306	·307	·307	·362
·303	·300	·297	·291	·280	·276	·279	·269	·271	·269	·242	·243	·307
·216	·218	·231	·255	·253	·250	·248	·240	·246	·238	·243	·223	·285
·289	·247	·257	·278	·261	·255	·287	·287	·270	·287	·305	·308	·278
·527	·546	·531	·490	·356	—	—	—	—	—	—	—	·352
—	—	—	—	—	—	·345	·344	·384	·363	·367	·357	
·249	·256	·196	·284	·260	·253	·232	·287	·321	·310	·300	·227	·319
·328	·320	·305	·290	·273	·264	·251	·254	·245	·252	·228	·219	·270
·469	·558	·435	·448	·446	·490	·465	·464	·460	·472	·456	·472	·416
·336	·323	·303	·326	·328	·320	·311	·304	·285	·311	·292	·296	·442
·396	·361	·357	·367	·377	·377	·377	·381	·382	·382	·378	·375	·365
·416	·332	·337	·328	·306	·267	—	—	—	—	—	—	·338
—	—	—	—	—	—	·205	·192	·195	·191	·195	·186	
·285	·272	·284	·290	·297	·334	·331	·312	·302	·312	·305	·339	·287
·333	·315	·314	·322	·330	·331	·300	·316	·315	·301	·292	·291	·325
·289	·288	·292	·292	·272	·265	·270	·263	·263	·255	·250	·245	·286
·316	·287	·304	·319	·311	·309	·303	·291	·287	·300	·303	·289	·297
·405	·365	·310	·333	·326	·320	·309	·283	·256	·251	·249	·235	·334
·349	·342	·307	·320	·333	·318	—	—	—	—	—	—	·369
—	—	—	—	—	—	·446	·425	·456	·448	·453	·442	
·462	·460	·443	·447	·449	·440	·449	·428	·459	·466	·467	·447	·471
·473	·473	·408	·417	·413	·405	·417	·376	·357	·379	·349	·360	·438
·383	·368	·360	·365	·352	·349	·342	·339	·330	·330	·323	·318	·368

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

Humidity of the Air. — OCTOBER.

Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
1	90	90	88	78	66	67	62	66	64	90	90	97
2	94	88	80	83	78	77	82	77	83	88	87	93
3	81	86	85	81	80	76	77	76	77	81	80	82
4	95	94	92	90	87	95	88	86	88	91	91	93
5	—	—	—	—	—	—	—	—	—	—	—	—
6	93	81	75	57	50	44	56	61	63	67	71	73
7	90	94	90	83	80	85	85	86	82	85	90	90
8	96	97	93	90	89	81	78	86	93	96	97	—
9	91	93	91	87	82	80	76	72	72	73	69	76
10	99	100	90	88	81	80	80	85	85	86	87	86
11	97	91	85	85	82	87	88	84	90	93	94	96
12	—	—	—	—	—	—	—	—	—	—	—	—
13	94	93	89	79	66	72	72	75	81	71	68	68
14	75	88	90	86	82	72	66	62	49	50	46	59
15	91	95	77	72	70	63	66	52	62	56	63	63
16	85	87	79	62	56	62	60	59	57	60	61	69
17	69	82	67	69	71	67	59	60	67	68	71	84
18	95	95	86	81	84	86	82	78	72	73	75	73
19	—	—	—	—	—	—	—	—	—	—	—	—
20	90	91	91	93	88	86	89	88	90	70	70	66
21	79	78	77	78	79	56	65	73	81	63	72	77
22	87	85	78	66	58	55	65	66	69	68	62	78
23	88	89	90	57	82	68	84	80	74	72	75	84
24	88	90	81	77	72	59	72	76	70	70	85	87
25	90	90	88	92	89	91	87	88	90	90	95	—
26	—	—	—	—	—	—	—	—	—	—	—	—
27	98	98	94	92	82	75	75	75	69	62	62	75
28	92	89	87	83	77	76	72	70	69	66	64	66
29	87	87	93	81	74	76	69	62	60	58	56	58
30	88	85	82	82	87	86	80	88	91	92	91	90
31	90	90	94	95	89	88	90	89	83	91	90	92
Hourly Means	89	90	86	80	77	74	75	75	75	75	77	79

Tension of the Vapour. — OCTOBER.

Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
1	·344	·344	·336	·365	·308	·334	·308	·321	·315	·407	·418	·400
2	·305	·301	·302	·334	·343	·352	·378	·371	·386	·427	·409	·378
3	·361	·358	·342	·328	·329	·318	·328	·326	·343	·361	·342	·337
4	·345	·331	·325	·338	·347	·382	·399	·388	·403	·428	·417	·410
5	—	—	—	—	—	—	—	—	—	—	—	—
6	·175	·183	·198	·177	·170	·156	·201	·218	·229	·239	·245	·234
7	·208	·230	·284	·313	·327	·357	·360	·359	·340	·347	·361	·354
8	·315	·336	·352	·364	·399	·384	·375	·393	·411	·408	·408	—
9	·426	·438	·469	·443	·461	·421	·420	·394	·406	·412	·387	·395
10	·376	·397	·402	·404	·375	·399	·403	·421	·417	·417	·421	·409
11	·431	·405	·368	·361	·349	·362	·366	·371	·395	·402	·402	·400
12	—	—	—	—	—	—	—	—	—	—	—	—
13	·214	·213	·239	·238	·219	·269	·274	·296	·321	·286	·273	·264
14	·224	·223	·281	·259	·251	·238	·230	·212	·168	·161	·145	·166
15	·150	·149	·155	·166	·171	·159	·166	·145	·168	·141	·158	·149
16	·163	·167	·172	·162	·157	·181	·178	·182	·171	·185	·183	·173
17	·138	·176	·162	·188	·236	·237	·219	·221	·256	·260	·260	·225
18	·196	·202	·230	·286	·302	·337	·360	·350	·334	·344	·318	·288
19	—	—	—	—	—	—	—	—	—	—	—	—
20	·211	·215	·211	·219	·216	·230	·226	·227	·228	·166	·156	·149
21	·107	·115	·126	·139	·152	·105	·131	150	·162	·120	·136	·132
22	·101	·106	·125	·137	·128	·127	·151	·157	·164	·170	·159	·177
23	·116	·121	·157	·129	·226	·189	·246	·261	·250	·249	·256	·270
24	·236	·241	·236	·255	·265	·241	·281	·295	·266	·266	·306	·257
25	·229	·243	·250	·294	·298	·326	·319	·318	·315	·304	·311	—
26	—	—	—	—	—	—	—	—	—	—	—	—
27	·220	·219	·264	·335	·322	·326	·348	·361	·353	·318	·298	·324
28	·263	·269	·285	·324	·329	·350	·345	·345	·348	·328	·304	·303
29	·189	·192	·236	·283	·290	·322	·315	·315	·305	·302	·305	·292
30	·384	·388	·390	·401	·417	·418	·418	·370	·363	·356	·352	·339
31	·314	·320	·343	·348	·348	·358	·374	·366	·374	·387	·389	·386
Hourly Means	·251	·257	·268	·281	·286	·292	·301	·301	·303	·303	·301	·296

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
64	90	90	97	72	83	87	96	90	95	94	90	95	96	93	94	85
83	88	87	83	80	85	85	80	82	83	90	93	90	89	91	91	85
77	81	80	82	89	94	96	96	96	96	97	100	97	98	100	97	88
88	91	91	93	96	100	99	100	—	100	—	—	—	—	—	—	90
—	—	—	—	—	—	—	—	—	—	98	95	98	96	95	94	
63	67	71	73	94	95	95	90	95	94	98	78	87	98	98	95	79
82	85	90	90	96	96	91	96	100	99	99	98	—	98	—	94	91
93	96	97	—	—	100	—	—	—	—	—	—	—	97	100	93	92
72	73	69	76	93	97	97	98	96	96	90	96	97	99	—	98	88
85	86	87	86	66	86	87	92	93	96	96	98	99	99	100	—	89
90	93	94	96	96	95	96	88	85	90	—	—	—	—	—	—	91
—	—	—	—	—	—	—	—	—	—	94	97	—	100	95	93	
81	71	68	68	75	77	76	74	74	79	79	76	79	79	82	83	77
49	50	46	59	65	69	68	65	69	72	83	89	82	86	94	92	73
62	56	63	63	70	53	82	82	86	84	94	83	83	83	84	87	75
57	60	61	69	80	70	77	80	63	64	71	87	77	72	69	71	70
67	68	71	84	90	88	83	84	89	95	94	95	95	95	95	95	80
72	73	75	75	74	78	83	88	92	91	—	—	—	—	—	—	81
—	—	—	—	—	—	—	—	—	—	73	69	70	69	88	91	
90	70	70	68	71	64	65	63	69	79	88	75	77	78	90	88	80
81	63	72	77	77	81	85	80	85	75	73	74	74	73	98	73	76
69	68	62	78	79	83	92	—	90	88	94	94	91	87	93	87	79
74	72	75	83	92	90	90	74	80	84	87	89	99	90	94	90	83
70	70	85	87	87	81	72	68	81	82	84	83	88	91	91	89	80
90	90	95	—	100	—	98	—	—	—	—	—	—	—	—	—	93
—	—	—	—	—	—	—	—	—	—	97	100	98	97	97	98	
69	62	62	75	83	88	84	91	88	88	87	92	89	93	91	94	84
69	66	64	68	75	88	88	85	72	72	79	78	81	87	86	86	79
60	58	56	58	65	74	77	86	87	77	68	69	72	82	81	84	74
91	92	91	90	91	85	84	89	87	84	85	92	90	88	86	90	87
83	91	90	92	89	96	93	94	96	96	97	80	85	89	90	89	91
75	75	77	79	82	84	86	82	82	86	88	87	87	89	91	87	83

In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·315	·407	·418	·440	·279	·290	·280	·298	·262	·268	·263	·238	·358	·258	·281	·300	·316
·386	·427	·409	·376	·369	·377	·360	·336	·344	·351	·352	·391	·395	·397	·398	·398	·365
·343	·361	·342	·337	·351	·360	·359	·362	·362	·359	·362	·370	·363	·367	·370	·350	·350
·403	·428	·417	·410	·404	·412	·382	·372	—	·372	—	—	—	—	—	—	·327
—	—	—	—	—	—	—	—	—	—	·196	·179	·179	·175	·176	·170	
·229	·239	·247	·234	·242	·222	·213	·200	·206	·207	·203	·161	·182	·213	·208	·207	·204
·340	·347	·361	·334	·359	·354	·343	·347	·355	·354	·358	·329	—	·321	—	·320	·273
·411	·408	·408	—	—	·424	—	—	—	—	—	—	—	·471	·484	·439	·398
·406	·412	·387	·395	·387	·369	·344	·358	·376	·368	·346	·344	·328	·322	—	·361	·390
·417	·417	·421	·440	·323	·424	·432	·460	·462	·467	·458	·435	·431	·429	·425	—	·417
·395	·402	·402	·400	·389	·384	·385	·335	·317	·310	—	—	—	—	—	—	·339
—	—	—	—	—	—	—	—	—	—	·214	·209	—	·195	·216	·228	
·321	·286	·273	·294	·281	·288	·285	·279	·287	·313	·277	·303	·319	·317	·329	·331	·280
·168	·161	·145	·166	·168	·172	·170	·163	·169	·177	·180	·182	·164	·162	·166	·147	·195
·168	·141	·158	·149	·152	·111	·154	·151	·152	·149	·150	·142	·143	·142	·154	·165	·152
·171	·185	·183	·193	·172	·154	·154	·161	·135	·139	·148	·156	·136	·139	·134	·140	·161
·256	·260	·260	·272	·242	·228	·237	·219	·194	·194	·185	·183	·181	·178	·178	·182	·210
·334	·344	·318	·288	·274	·290	·286	·299	·301	·279	—	—	—	—	—	—	·271
—	—	—	—	—	—	—	—	—	—	·212	·197	·199	·192	·222	·214	
·228	·166	·156	·149	·140	·121	·117	·112	·114	·120	·120	·104	·104	·106	·115	·113	·160
·162	·120	·136	·133	·129	·124	·128	·127	·136	·116	·103	·101	·104	·100	·099	·085	·122
·164	·170	·159	·177	·170	·141	·144	—	·135	·134	·133	·133	·126	·118	·124	·116	·138
·250	·249	·256	·270	·241	·267	·271	·225	·228	·219	·229	·229	·234	·240	·246	·238	·222
·266	·266	·306	·297	·224	·201	·181	·180	·209	·208	·207	·206	·222	·229	·221	·215	·235
·315	·304	·311	—	·303	—	·294	—	—	—	—	—	—	—	—	—	·276
—	—	—	—	—	—	—	—	—	—	·248	·252	·248	·234	·227	·225	
·353	·318	·298	·323	·306	·317	·262	·270	·252	·246	·240	·246	·237	·241	·223	·238	·282
·348	·328	·304	·301	·275	·278	·259	·282	·245	·246	·244	·221	·201	·198	·188	·195	·276
·305	·302	·305	·294	·297	·304	·303	·320	·318	·348	·364	·361	·368	·396	·393	·393	·313
·363	·356	·352	·338	·316	·293	·287	·299	·294	·287	·288	·317	·310	·303	·304	·312	·341
·374	·387	·389	·386	·380	·393	·381	·380	·394	·408	·386	·355	·344	·339	·310	·304	·362
·303	·303	·301	·296	·276	·281	·270	·272	·260	·266	·249	·244	·245	·251	·248	·246	·273

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

		Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
		Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
Humidity of the Air.	NOVEMBER.	1	89	87	93	83	87	85	75	77	46	42	41	57
		2	—	—	—	—	—	—	—	—	—	—	—	—
		3	90	95	94	94	97	89	91	92	84	86	90	89
		4	93	93	90	93	84	79	82	77	76	78	78	86
		5	89	88	89	82	83	82	76	77	76	77	81	73
		6	84	82	84	84	78	94	94	95	95	93	91	90
		7	85	84	84	86	83	82	81	71	76	81	81	84
		8	94	94	91	92	91	91	89	92	85	88	89	83
		9	—	—	—	—	—	—	—	—	—	—	—	—
		10	83	81	79	78	75	74	69	74	75	75	76	94
		11	89	89	90	82	80	76	72	74	77	77	82	84
		12	85	92	91	79	67	77	62	68	70	72	69	79
		13	85	91	94	89	84	80	79	79	81	84	80	86
		14	89	87	89	87	84	76	52	53	52	53	59	67
		15	95	93	95	91	81	81	85	79	79	84	84	81
		16	—	—	—	—	—	—	—	—	—	—	—	—
		17	96	94	91	90	90	93	99	98	100	—	—	100
		18	98	100	98	92	96	96	97	93	92	91	92	91
		19	82	70	72	75	71	69	70	76	72	71	71	82
		20	92	89	92	83	72	66	68	67	73	74	73	68
		21	68	65	67	64	63	57	51	55	55	62	64	87
		22	82	83	84	82	81	77	70	66	63	71	78	74
		23	—	—	—	—	—	—	—	—	—	—	—	—
		24	72	84	78	63	64	64	63	67	72	61	64	71
		25	97	95	81	71	55	64	61	53	57	61	60	63
		26	84	87	86	80	80	79	80	82	82	85	90	89
		27	81	79	73	80	82	82	79	77	72	78	76	90
		28	60	52	48	60	66	69	66	68	72	69	81	80
		29	80	80	81	82	63	64	80	84	89	91	81	97
		30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means			86	85	85	82	78	78	76	76	75	75	76	82
Tension of the Vapour.	NOVEMBER.	1	In. ·288	In. ·280	In. ·302	In. ·304	In. ·348	In. ·333	In. ·327	In. ·323	In. ·233	In. ·198	In. ·190	In. ·216
		2	—	—	—	—	—	—	—	—	—	—	—	—
		3	·207	·216	·221	·232	·246	·308	·307	·317	·281	·265	·255	·242
		4	·220	·220	·218	·243	·238	·222	·237	·224	·222	·225	·218	·233
		5	·216	·209	·213	·201	·210	·230	·222	·225	·207	·210	·220	·206
		6	·221	·217	·230	·238	·217	·268	·265	·277	·275	·275	·262	·245
		7	·194	·192	·189	·203	·205	·204	·209	·189	·205	·209	·210	·215
		8	·203	·203	·196	·196	·191	·184	·174	·180	·167	·173	·173	·165
		9	—	—	—	—	—	—	—	—	—	—	—	—
		10	·167	·173	·184	·189	·193	·207	·204	·223	·240	·229	·231	·232
		11	·198	·198	·200	·183	·180	·182	·188	·191	·210	·210	·215	·207
		12	·145	·157	·171	·176	·163	·169	·158	·178	·181	·180	·171	·177
		13	·180	·193	·209	·246	·256	·280	·274	·282	·284	·297	·274	·275
		14	·205	·215	·227	·241	·236	·250	·197	·198	·198	·186	·199	·204
		15	·163	·162	·174	·188	·191	·216	·213	·208	·217	·233	·222	·208
		16	—	—	—	—	—	—	—	—	—	—	—	—
		17	·214	·226	·232	·246	·255	·278	·301	·294	·301	—	—	·318
		18	·314	·319	·328	·315	·333	·368	·361	·361	·348	·349	·351	·349
		19	·248	·205	·205	·209	·204	·196	·202	·213	·204	·197	·191	·209
		20	·205	·199	·216	·242	·250	·256	·276	·267	·283	·275	·253	·237
		21	·137	·127	·134	·136	·136	·136	·122	·123	·127	·134	·131	·166
		22	·139	·147	·154	·157	·160	·155	·145	·142	·140	·151	·162	·136
		23	—	—	—	—	—	—	—	—	—	—	—	—
		24	·092	·102	·097	·089	·098	·104	·102	·104	·113	·091	·092	·095
		25	·177	·174	·163	·159	·129	·155	·151	·134	·140	·144	·136	·136
		26	·158	·160	·159	·146	·147	·145	·147	·152	·154	·158	·168	·162
		27	·105	·098	·089	·090	·092	·092	·097	·098	·094	·098	·093	·106
		28	·042	·037	·035	·048	·055	·065	·067	·070	·076	·077	·081	·077
		29	·073	·077	·081	·082	·071	·077	·099	·103	·107	·108	·098	·111
		30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means			·180	·180	·185	·190	·192	·204	·202	·203	·200	·195	·191	·199

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
36	60	74	71	80	80	—	—	—	—	—	—	77
—	—	—	—	—	—	91	98	99	91	94	88	
92	90	92	95	95	96	97	88	93	93	92	93	92
93	83	81	81	81	78	74	72	74	76	77	80	82
84	85	87	84	82	81	80	81	83	81	80	81	82
86	85	84	87	88	93	97	87	89	82	76	81	87
90	91	90	92	92	91	93	94	87	97	96	97	87
85	91	90	92	96	90	—	—	—	—	—	—	88
—	—	—	—	—	—	79	77	78	83	80	87	
96	90	87	74	74	76	85	80	87	91	87	92	81
88	91	87	93	82	86	93	86	87	88	90	93	85
73	78	75	79	82	86	81	83	89	91	83	83	79
91	52	83	80	77	65	64	72	75	80	88	85	80
70	51	84	81	84	88	88	86	87	86	87	94	76
88	96	57	84	84	88	—	—	—	—	—	—	87
—	—	—	—	—	—	87	90	97	98	94	95	
99	—	—	—	—	—	—	99	100	100	99	98	97
90	87	87	82	86	89	94	85	79	89	89	93	97
64	66	79	89	91	86	—	88	80	81	86	85	77
65	75	72	73	76	80	81	85	87	87	84	64	77
96	97	92	90	86	77	90	79	77	77	81	84	74
82	87	86	83	84	86	—	—	—	—	—	—	79
—	—	—	—	—	—	94	76	80	83	77	76	
75	80	76	75	77	83	85	88	86	46	84	100	74
59	62	59	56	68	—	83	87	89	91	95	88	72
84	81	81	83	86	90	90	86	87	86	84	80	84
76	92	92	83	81	64	52	62	67	62	60	60	75
80	85	73	79	77	75	78	79	73	76	80	68	71
81	83	84	88	91	91	—	—	—	—	—	—	83
—	—	—	—	—	—	83	81	84	87	82	85	
82	81	81	82	83	83	84	84	85	84	85	85	81

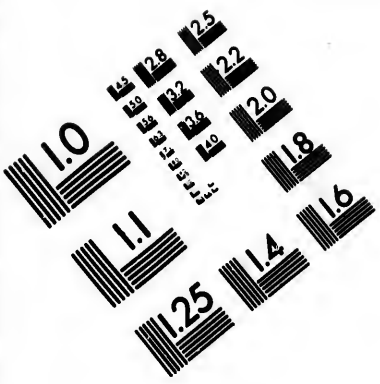
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·210	·205	·192	·196	·195	·195	—	—	—	—	—	—	·240
—	—	—	—	—	—	·195	·202	·203	·209	·215	·204	
·245	·245	·240	·242	·224	·241	·239	·202	·199	·207	·211	·216	·242
·237	·215	·212	·206	·203	·196	·188	·182	·185	·190	·192	·195	·213
·230	·223	·217	·211	·204	·212	·213	·217	·218	·216	·215	·219	·215
·225	·221	·212	·212	·217	·230	·238	·216	·220	·203	·188	·186	·232
·226	·226	·224	·226	·226	·224	·229	·228	·217	·227	·216	·211	·213
·165	·171	·170	·175	·186	·173	—	—	—	—	—	—	·177
—	—	—	—	—	—	·165	·156	·160	·171	·172	·180	
·208	·178	·168	·172	·173	·170	·189	·188	·194	·199	·190	·202	·196
·214	·211	·198	·213	·185	·188	·191	·181	·184	·173	·177	·158	·193
·160	·158	·147	·156	·144	·155	·167	·170	·177	·173	·170	·176	·167
·275	·190	·243	·237	·233	·219	·215	·215	·215	·201	·198	·200	·237
·202	·225	·229	·208	·196	·202	·193	·182	·172	·173	·172	·175	·203
·224	·237	·179	·216	·225	·235	—	—	—	—	—	—	·205
—	—	—	—	—	—	·195	·199	·208	·209	·200	·201	
·318	—	—	—	—	—	—	·355	·338	·324	·327	·318	·290
·354	·353	·346	·330	·342	·320	·327	·302	·273	·279	·271	·279	·328
·167	·174	·186	·170	·161	·152	—	·169	·176	·177	·198	·196	·192
·203	·211	·208	·205	·210	·202	·203	·196	·192	·192	·186	·140	·222
·181	·180	·172	·155	·131	·131	·152	·137	·136	·137	·135	·136	·141
·171	·187	·188	·189	·192	·197	—	—	—	—	—	—	·149
—	—	—	—	—	—	·130	·104	·107	·112	·096	·098	
·093	·097	·100	·105	·104	·109	·102	·105	·113	·076	·119	·174	·103
·132	·133	·125	·121	·131	--	·135	·140	·143	·151	·162	·163	·145
·155	·149	·148	·152	·155	·159	·155	·137	·133	·132	·121	·110	·148
·093	·099	·096	·079	·074	·057	·047	·051	·057	·051	·047	·046	·081
·081	·087	·079	·081	·071	·062	·060	·066	·063	·064	·067	·078	·066
·106	·109	·111	·1 7	·107	·109	—	—	—	—	—	—	·094
—	—	—	—	—	—	·078	·081	·089	·093	·090	·093	
·195	·187	·183	·182	·179	·181	·174	·175	·175	·174	·173	·174	·186

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

	Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
	Hours of Mean Toronto Time.	18	19	20	21	22	23	0	1	2	3	4	5
Humidity of the Air. DECEMBER.	1	88	85	88	88	88	80	80	84	76	77	67	75
	2	85	69	77	77	85	85	82	82	84	83	80	76
	3	75	65	73	73	73	76	73	69	78	75	72	76
	4	90	85	91	91	95	94	89	89	90	91	89	88
	5	74	72	68	75	77	77	78	80	86	67	72	74
	6	82	79	83	89	88	80	79	74	74	74	76	96
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	90	90	90	89	90	94	94	94	94	96	94	93
	9	92	95	94	95	87	92	87	89	86	86	87	94
	10	78	85	78	82	62	67	68	74	74	68	77	71
	11	64	61	55	54	69	65	63	67	74	74	49	43
	12	62	63	85	61	70	80	83	80	81	84	82	80
	13	87	83	81	78	77	77	78	83	91	92	94	87
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	100	99	92	91	78	75	77	79	86	68	82	91
	16	88	84	82	80	81	77	75	78	79	78	88	89
	17	87	88	92	89	79	77	64	72	77	78	79	78
	18	74	74	79	78	70	70	66	65	68	73	72	73
	19	58	40	53	70	64	64	67	76	73	76	74	85
	20	61	62	63	61	70	70	74	77	74	68	75	78
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	78	75	78	78	84	84	85	73	75	78	81	80
	23	77	74	73	76	72	76	67	83	78	84	79	74
	24	87	80	88	84	82	77	73	79	80	79	80	84
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	70	79	74	77	71	72	58	81	77	77	81	79
	27	80	81	81	88	77	67	71	75	78	70	72	77
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	98	99	99	93	86	90	89	83	82	—	82	78
	30	84	80	86	84	72	69	81	70	73	88	92	79
Hourly Means		81	78	80	80	78	77	76	78	80	78	79	80
Tension of the Vapour. DECEMBER.	1	In. ·096	In. ·094	In. ·096	In. ·098	In. ·102	In. ·095	In. ·099	In. ·106	In. ·094	In. ·097	In. ·082	In. ·089
	2	·066	·052	·062	·065	·080	·082	·081	·084	·087	·087	·077	·058
	3	·056	·051	·060	·066	·068	·071	·072	·075	·086	·084	·088	·093
	4	·134	·130	·141	·145	·162	·164	·140	·140	·149	·151	·141	·134
	5	·092	·089	·086	·095	·106	·108	·112	·118	·123	·095	·098	·097
	6	·102	·097	·110	·121	·125	·117	·114	·111	·110	·110	·108	·075
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	·126	·126	·130	·134	·141	·158	·162	·164	·168	·176	·168	·158
	9	·155	·155	·160	·164	·155	·163	·157	·162	·163	·160	·158	·167
	10	·076	·081	·070	·081	·064	·069	·070	·074	·076	·072	·075	·073
	11	·039	·037	·033	·030	·042	·043	·044	·050	·057	·054	·036	·031
	12	·029	·030	·038	·038	·055	·068	·075	·081	·092	·097	·093	·089
	13	·085	·073	·079	·110	·126	·130	·132	·140	·156	·159	·159	·156
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	·182	·175	·172	·172	·151	·147	·141	·139	·151	·122	·148	·156
	16	·113	·105	·117	·122	·136	·140	·147	·158	·160	·158	·169	·159
	17	·115	·149	·157	·164	·160	·157	·137	·160	·169	·172	·178	·176
	18	·148	·140	·153	·155	·144	·143	·138	·136	·145	·146	·143	·142
	19	·037	·063	·040	·057	·059	·060	·061	·065	·062	·063	·061	·071
	20	·041	·046	·048	·047	·056	·061	·066	·071	·071	·065	·070	·089
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	·062	·059	·062	·067	·081	·068	·095	·081	·085	·090	·092	·081
	23	·069	·073	·075	·080	·084	·099	·095	·120	110	·117	·107	·090
	24	·097	·087	·095	·096	·103	·106	·124	·120	·126	·124	·122	·128
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	·078	·076	·068	·072	·073	·072	·064	·093	·093	·095	·096	·089
	27	·080	·080	·079	·097	·096	·095	·109	·119	·127	·114	·116	·119
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	·184	·187	·191	·186	·176	·185	·189	·180	·180	—	·177	·160
	30	·136	·125	·132	·133	·113	·110	·132	·115	·122	·134	·127	·103
Hourly Means		·096	·095	·098	·104	·106	·109	·110	·114	·119	·114	·116	·111

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.

12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
6	7	8	9	10	11	12	13	14	15	16	17	
74	71	76	72	80	81	82	79	83	84	80	71	79
70	67	57	91	51	77	73	89	72	82	72	64	76
75	77	84	79	82	84	82	83	88	88	90	86	78
88	90	92	90	93	88	90	92	93	92	90	92	91
83	82	85	84	89	84	88	84	82	82	84	88	80
77	81	95	83	83	75	—	—	—	—	—	—	83
—	—	—	—	—	—	—	—	85	89	94	90	
91	94	94	89	88	9[illegible]	91	96	92	89	92	96	92
95	95	94	94	84	7[illegible]	80	82	79	81	84	79	88
74	79	79	78	81		77	82	77	66	70	53	74
40	47	51	57	58	5[illegible]	57	43	51	41	52	77	57
80	76	80	76	79	78	81	82	82	83	88	82	78
87	83	86	76	74	86	—	—	—	—	—	—	85
—	—	—	—	—	—	91	91	91	93	95	91	
94	85	93	88	77	80	82	95	93	87	88	92	86
85	85	86	87	80	88	88	98	87	91	85	86	85
95	91	68	76	87	79	81	94	94	99	—	76	83
74	71	71	75	94	84	70	66	53	58	62	59	68
66	59	62	63	64	69	61	58	56	56	60	57	64
85	80	76	77	54	63	—	—	—	—	—	—	72
—	—	—	—	—	—	72	76	71	77	75	79	
77	77	95	78	78	61	80	81	80	82	67	80	78
87	84	85	90	90	89	84	86	92	90	90	87	82
84	86	95	83	80	84	—	—	—	—	—	—	83
—	—	—	—	—	—	78	82	84	83	84	84	
83	63	58	64	78	82	83	88	65	82	73	85	75
77	84	89	81	75	82	—	—	—	—	—	—	82
—	—	—	—	—	—	94	97	94	94	92	96	
79	74	86	86	91	88	82	92	78	82	79	97	87
76	75	75	75	78	81	82	86	90	84	69	77	79
80	78	81	80	79	79	80	83	80	81	77	81	79
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·085	·079	·082	·071	·079	·082	·084	·081	·085	·085	·082	·061	·088
·041	·037	·031	·040	·027	·050	·043	·040	·034	·046	·048	·049	·057
·093	·097	·110	·106	·110	·115	·116	·124	·132	·132	·136	·131	·095
·132	·131	·127	·131	·133	·124	·122	·124	·120	·111	·107	·118	·134
·105	·104	·101	·096	·107	·106	·103	·110	·110	·110	·111	·113	·104
·101	·103	·120	·096	·096	·092	—	—	—	—	—	—	·109
—	—	—	—	—	—	—	—	·115	·121	·128	·127	
·156	·156	·153	·149	·147	·151	·153	·153	·146	·140	·157	·156	·151
·168	·164	·181	·158	·142	·120	·125	·114	·100	·094	·091	·080	·143
·073	·074	·074	·076	·077	·073	·070	·075	·057	·044	·043	·034	·069
·034	·032	·035	·039	·039	·035	·034	·026	·029	·024	·028	·040	·037
·089	·082	·084	·081	·088	·086	·088	·093	·093	·097	·105	·094	·078
·154	·150	·152	·143	·143	·156	—	—	—	—	—	—	·146
—	—	—	—	—	—	·181	·183	·183	·181	·186	·176	
·154	·144	·147	·138	·118	·124	·123	·132	·125	·120	·122	·124	·143
·148	·146	·140	·137	·142	·133	·129	·137	·105	·105	·126	·130	·136
·191	·183	·185	·162	·187	·174	·176	·198	·193	·200	—	·153	·169
·142	·140	·140	·142	·166	·123	·103	·067	·046	·043	·044	·041	·122
·055	·049	·050	·049	·050	·052	·045	·041	·039	·038	·040	·039	·052
·076	·072	·067	·060	·042	·049	—	—	—	—	—	—	·061
—	—	—	—	—	—	·058	·060	·054	·062	·058	·061	
·069	·065	·074	·067	·068	·072	·067	·072	·071	·072	·059	·067	·073
·104	·103	·102	·107	·105	·104	·100	·102	·107	·101	·101	·098	·098
·122	·124	·136	·119	·115	·120	—	—	—	—	—	—	·105
—	—	—	—	—	—	·071	·070	·070	·074	·081	·084	
·073	·048	·042	·048	·073	·071	·070	·076	·049	·078	·074	·083	·073
·117	·129	·138	·129	·120	·132	—	—	—	—	—	—	·127
—	—	—	—	—	—	·177	·178	·174	·174	·174	·180	
·157	·147	·167	·165	·171	·167	·155	·154	·139	·140	·144	·162	·168
·102	·098	·098	·099	·102	·106	·102	·096	·085	·076	·052	·059	·107
·110	·106	·109	·104	·106	·105	·104	·104	·099	·099	·095	·098	·106



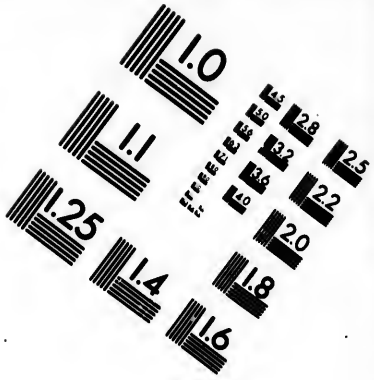
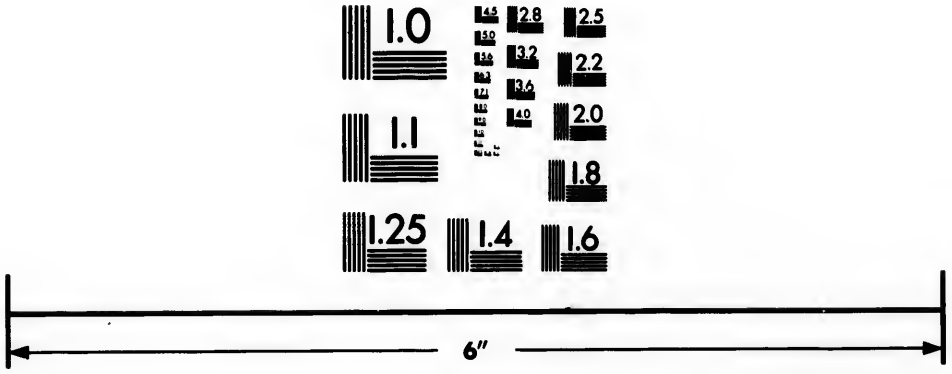


IMAGE EVALUATION TEST TARGET (MT-3)



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TORONTO, 1845.

DIRECTION AND FORCE OF THE WIND.

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
JANUARY.	1	W. N. W.	0·5	W. N. W.	0·2	W. N. W.	0·2	N. W.	1·0	N. W.	1·5	N W.	2·5
	2	—	0·0	—	0·0	—	0·0	—	0·0	N.	0·2	—	0·0
	3	E.	1·5	E.	1·5	E.	2·0	E.	1·5	E. by N.	1.0	E.	1·0
	4	W.	0·5	W.	0·5	W. by S.	0·5	S. W.	2·0	S. W.	1.0	S. W.	2·0
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	—	0·0	N. by E.	0·2	N. by E.	0·2	—	0·0	N. N. E.	0·2	N. by E.	0·2
	7	N. N. E.	0·5	N. N. E.	0·5	—	0·0	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·5
	8	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2
	9	S. W. by W.	1·5	S. W. by W.	1·0	—	0·0	S. W.	0.2	S. W.	0·2	S. W.	2·5
	10	W.	0·2	W.	0·2	W by S.	0·2	W.	0·5	W. by N.	0·2	W. N. W.	0·2
	11	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	E. S. E.	2·0	E. N. E.	1·5	N. E. by E.	2.0	N. N. E.	2·0	E. N. E.	1·0	E. N. E.	1·0
	14	N. by E.	0·2	—	0·0	—	0·0	N. by E.	0·2	N.	0·2	N.	0·5
	15	—	0·0	N. by E.	0·2	—	0·0	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2
	16	N. E.	0·5	E. N. E.	0·5	E. N. E.	0·5	N. E.	0·5	E. N. E.	0·5	E. by N.	1·0
	17	E. N. E.	0·5	N. E. by N.	1·0	N. N. E.	1·0	N. N. E.	1·0	N. N. E.	1.0	N. N. E.	0·2
	18	N. W.	2·0	. W.	1·0	N. W.	1·0	N. N. W.	0·5	N. W. by N.	1.5	N. by E.	0·5
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	—	0·0	—	0·0	—	0·0	N. by E.	0·2	—	0·0	—	0·0
	21	—	0·0	—	0·0	N. E.	0·2	N. E.	0·2	N. N. E	0·2	N. N. W.	0·2
	22	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	23	—	0·0	—	0·0	—	0·0	E. by N.	0·2	E. by S.	0·2	E	0·2
	24	—	0·0	—	0·0	E. S. E.	0·2	—	0·0	—	0·0	—	0·0
	25	N.	4·0	N. by W.	4·0	N. by W.	4·0	N. by W.	4·0	N. by W.	4·0	N. by W.	4·0
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	—	0·0	—	0·0	—	0·0	E. N. E.	0·2	N. E.	0·2	E.	0·2
	28	—	0·0	—	0·0	—	0·0	N. N. E.	0.2	E. by S.	0·2	E.	0·2
	29	W. S. W.	0·5	S. W. by W.	0·5	S. W. by W.	2·0	W. S. W.	2·0	W. S. W.	2·5	W. S. W.	3·0
	30	N. W.	0·5	N. W.	0·5	N. W.	0·5	N. E.	0·2	W.	0·2	S. W. by W.	0·2
	31	—	0·0	N. N. E.	0·2	N. N. E.	0·2	—	0·0	N. N. E.	0·2	N. N. E.	0·5

		12h.		13h.		14h.		15h.		16h.		17h.	
JANUARY.	1	N. W.	0·5	N. W.	2·5	N. N. W.	0·5	N. W.	0·5	—	0·0	—	0·0
	2	—	0·0	E.	0·2	E.	0·2	E.	0·5	E.	0·5	E.	0·5
	3	—	0·0	W.	2·0	W.	3·0	W. by N.	4·0	W.	3·5	W.	2·0
	4	S. W.	1·0	S. W. by S.	0·5	S. W. by W.	0·2	S. W.	0·2	S. W.	0·2	S. W.	0·2
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	E. N. E.	2·0	E. N. E.	1·0	N. N. E.	1·0	N. by E.	0·5	N. by E.	0·5	N. N. E.	0·5
	7	W. by N.	2·5	W. by N.	0·2	W. by S.	0·2	W. S. W.	0·2	W. S. W.	0·5	W. by S.	0·5
	8	S. W. by W.	0·5	S. W.	2·5	S. W.	2·0	S. S. W.	2·5	S. S. W.	2·0	S. S. W.	2·0
	9	W. N. W.	3·5	W.	2·5	W	3·5	W.	2·0	W. by S.	1·0	W. S. W.	1·0
	10	W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	N. W.	0·2
	11	W. S. W.	0·2	—	0·0	W. S. W.	0·2	W. N. W.	0·2	W. N. W.	0·2	W. N. W.	0·2
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	N. by W.	0·2	N. N. W.	0·2	W. by S.	0·2	—	0·0	—	0·0	W. by N.	0·2
	14	—	0·0	E. by S.	0·2	N. E. by N.	0·2	N.	0·2	—	0·0	—	0·0
	15	—	0·0	—	0·0	N. E.	0·2	—	0·0	—	0·0	—	0·0
	16	E. N. E.	1·0	E. N. E.	1·0	E. N. E	1·0	N. by E.	1·0	E. by N.	1·0	E. by N.	1·0
	17	E. N. E.	1·5	N.	2·0	E. N. E.	2·0	N. N. W.	2·5	N. N. W.	2·0	N. by W.	2·0
	18	N. by W.	0·5	N. by W.	0·5	N.	0·2	N.	0·2	—	0·0	—	0·0
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	N. E.	0·2	N. E. by N.	0·2	N. E. by N.	0·2	—	0·0	—	0·0	—	0·0
	21	—	0·0	N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	22	—	0·0	—	0·0	N. E.	0·2	—	0·0	—	0·0	N. E.	0·2
	23	E.	1·0	E. N. E.	1·0	E. N. E.	0·2	E. by S.	0·2	S. E.	0·2	S. S. E.	0·2
	24	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N.	0·5	N.	0·5
	25	N. N. W.	4·0	N. by W.	3·5	N. by W.	5·0	N. by W.	5·0	N. by W.	4·0	N. by W.	3·0
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	28	—	0·0	W. by S.	0·2	W.	1·0	—	0·0	—	0·0	W. by S.	0·2
	29	W.	1·5	W.	1·5	W. N. W.	2·0	W. N. W.	2·0	W. N. W.	1·5	W.	1·0
	30	N. by E.	0·2	W.	0·2	W.	0·2	W. by N.	0·2	W.	0·2	W.	0·5
	31	N. W. by N.	0.5	N.	0·2	N. by W.	0·5	—	0·0	—	0·0	—	0·0

DIRECTION AND FORCE OF THE WIND.

4h.		5h.		6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
N. W.	1·5	N. W.	2·5	W.	2·0	N. N. W.	2·0	N. N. W.	1·0	N. W.	2·5	N. W.	2·0	N. W.	2·5	1	JANUARY.
N.	0·2	—	0·0	S.E. by S.	0·2	E. S. E.	0·5	E. S. E.	0·5	E. by S.	0·2	E.	0·2	—	0·0	2	
. by N.	1.0	E.	1·0	E.	0·5	E.	0·5	E.	0·2	E. by S.	0·2	—	0·0	—	0·0	3	
S. W.	1.0	S. W.	2·0	S. W.	2·0	W. S. W.	2·5	W. S. W.	3·0	W. S. W.	2·5	W. S. W.	0·5	S. W.	0·5	4	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5	
. N. E.	0·2	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	E. by N.	1·0	E. N. E.	2·0	E. N. E.	2·0	E. N. E.	2·0	6	
. N. W.	0·2	N. N. W.	0·2	W. N. W.	0·2	W. N. W.	0·2	—	0·0	—	0·0	W. by S.	0·2	W. by N.	0·2	7	
. S. W.	0·2	W. S. W.	0·2	W.	2·5	W.	1·5	W.	0·5	W. S. W.	0·2	W. S. W.	0·2	W. S. W.	0·2	8	
S. W.	0·2	S. W.	2·5	S. W. by W.	3·0	S. W.	0·5	S. S. W.	0·2	S. W. by S.	2·5	S. W. by W	1·0	W. N. W.	1·0	9	
. by N.	0·2	W. N. W.	0·2	W. by N.	0·2	W.	1·0	W.	0·5	W.	0·5	W.	0·5	—	0·0	10	
—	0·0	—	0·0	N. N. W.	0·2	—	0·0	W. S. W.	0·2	—	0·0	—	0·0	—	0·0	11	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12	
E. N. E.	1·0	E. N. E.	1·0	N. by E.	1·0	N. E. by E.	0·5	N. E. by E.	0·2	N. E.	0·5	N. E.	0·2	N. N. W.	0·2	13	
N.	0·2	N.	0·5	N.	0·2	N.	0·2	N. E.	0·2	N. E.	0·2	E. by N.	0·2	—	0·0	14	
N. by E.	0·2	N. by E.	0·2	N. E.	0·2	N.	0·2	N	0·2	—	0·0	—	0·0	—	0·0	15	
E. N. E.	0·5	E. by N.	1·0	E. N. E.	1·0	E. by N.	1·0	E. N. E.	1·0	E. N. E.	1·0	E.	1·0	E. by N.	1·0	16	
N. N. E.	1.0	N. N. E.	0·2	N. N. E.	0·2	N. N. E.	0·2	N. by E.	0·2	N.	0·2	N. N. E.	0·5	N. N. E.	1·0	17	
W. by N.	1.5	N. by E.	0·5	N. by E.	0·5	N.	0·5	N.	1·0	N. by W.	1·0	N. N. W.	0·5	N.	0·5	18	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19	
—	0·0	—	0·0	N. by E.	0·2	—	0·0	N. N. E.	0·2	E. by N.	0·2	N. E.	0·2	N. E.	0·2	20	
N. N. E	0·2	N. N. W.	0·2	N. by W.	0·2	N. by W.	0·2	—	0·0	S. E. by S.	0·2	—	0·0	—	0·0	21	
—	0·0	—	0·0	N.	0·2	N.	0·2	N.	0·2	N.	0·2	—	0·0	—	0·0	22	
E. by S.	0·2	E.	0·2	E. N. E.	1·0	E.	2·5	E.	2·5	E. N. E.	1·0	E.	1·0	E.	1·0	23	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. by E.	0·2	24	
N. by W.	4·0	N. by W.	4·0	N. by W.	4·0	N.	4·0	N.	3·0	N. by W.	2·5	N. N. W.	3·5	N. N. W.	4·0	25	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26	
N. E.	0·2	E.	0·2	E. by S.	0·2	E. by S.	0·2	E.	0·2	E. by S.	0·2	E. by N.	0·2	—	0·0	27	
E. by S.	0·2	E.	0·2	E. by S.	0·2	E. by S.	0·2	E.	0·2	W. S. W.	0·2	W. S. W.	0·2	W. N. W.	0·2	28	
W. S. W.	2·5	W. S. W.	3·0	N. W.	3·5	W. by N.	3·5	N. W. by W.	2·5	W. by N.	2·5	W. by N.	2·5	W. N. W.	1·0	29	
W.	0·2	S. W. by W	0·2	—	0·0	S. W. by S.	0·2	—	0 0	—	0·0	—	0·0	E. by N.	0·2	30	
N. N. E.	0·2	N. N. E.	0·5	N. E.	0·5	N. N. E.	1·5	N. N.W.	2·0	N. N. W.	1·5	N. N. W.	2·5	N. N. W.	1·0	31	

16h.		17h.		18h.		19h.		20h.		21h.		22h.		23h.			
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1	JANUARY.
E.	0·5	E.	0·5	E.	1·5	E.	2·5	E.	2·0	E.	2·5	E.	3·0	E.	3·0	2	
W.	3·5	W.	2·0	W. by S.	0·5	W. by S.	0·5	W. by S.	1·5	W. by S.	1·0	W. by S.	1·0	W. by S.	2·5	3	
S. W.	0·2	S. W.	0·2	—	—	—	—	—	—	—	—	—	—	—	—	4	
—	—	—	—	N. N. E.	0·2	N. N. E.	0·2	N. N. E.	0·2	N. N. E.	0·2	N. by E.	0·2	N. by E.	0·2	5	
N. by E.	0·5	N. N. E.	0·5	N. by E.	1·5	N. by E.	1·0	N. E.	1·0	N. N. E.	1·0	N. N. E.	1·0	N. N. E.	1·5	6	
W. S. W.	0·5	W. by S.	0·5	W. S. W.	0·5	—	0·0	W. S. W.	0·2	W. S. W.	0·2	S. W.	1·5	—	0·0	7	
S. S. W.	2·0	S. S. W.	2·0	S. by W.	1·0	S.	0·5	S.	0·5	S. W. by S.	0·5	S. W. by S.	0·2	S. W. by W.	2·0	8	
W. by S.	1·0	W. S. W.	1·0	W. S. W.	1·0	W. S. W.	1·0	W. S. W.	0·2	—	0·0	—	0·0	W. S. W.	0·2	9	
—	0·0	N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	10	
W. N. W.	0·2	W. N. W.	0·2	—	—	—	—	—	—	—	—	—	—	—	—	11	
—	—	—	—	N. E.	0·5	N. E.	0·5	N. E. by E.	0·5	E. N. E.	1·5	N. E. by E.	2·5	S. S. E.	3·5	12	
—	0·0	W. by N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	N. by E.	0·2	—	0·0	13	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. N. E.	0·2	14	
—	0·0	—	0·0	N. by E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	E. by N.	0·5	15	
E. by N.	1·0	E. by N.	1·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E. by N.	1·0	16	
N. N. W.	2·0	N. by W.	2·0	E. by N.	1·0	E. N. E.	1·0	E. by N.	1·0	E. by N.	1·0	E. N. E.	1·0	E. by N.	1·0	17	
—	0·0	—	0·0	N. by W.	1·8	N. N. W.	3·0	N. W. by N.	3·0	N. by E.	2·0	N. W. by N.	0·5	N. W. by N.	0·5	18	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19	
—	0·0	—	0·0	N. by E.	0·2	—	0·0	—	0·0	—	0·0	N. by E.	0·2	—	0·0	20	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
—	0·0	N. E.	0·1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	22	
S. E.	0·2	S. S. E.	0·2	N. E.	0·2	N. E.	0·2	N. E.	0·2	N. E.	0·2	N. E.	0·2	—	0·0	23	
N.	0·5	N.	0·5	S.	0·2	S. by E.	0·5	S. by E.	0·5	S. E. by E.	0·2	E. S. E.	0·2	—	0·0	24	
N. by W.	4·0	N. by W.	3·0	N.	0·5	N.	0·5	N. by E.	0·5	N. by E.	2·0	N.	4·0	N. by W.	5·0	25	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	27	
—	0·0	W. by S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28	
W. N. W.	1·5	W.	1·0	W. by S.	2·5	W. by S.	1·5	W. by S.	3·0	W. by S.	3·0	W. by S.	2·5	W.	2·5	29	
W.	0·2	W.	0·5	W. by S.	1·0	W.	0·5	W.	0·2	W. N. W.	1·0	N. W. by N.	1·5	W. N. W.	1·0	30	
—	0·0	—	0·0	W.	0·5	N. W.	0·2	—	0·0	W. N. W.	0·2	W. N. W.	1·0	N. W.	0·2	31	
				—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0		

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
FEBRUARY.	1	—	0·0	—	0·0	—	0·0	—	0·0	N. N. E.	0·2	N.	0·2
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	N. E.	0·2	N. E.	1·0	E. N. E.	0·5	E. by S.	0·5	E. N. E.	0·5	S. E. by S.	0·5
	4	E.	4·0	E. S. E.	3·5	E.	4·0	S. E.	5·0	S. E.	4·0	S. E.	3·5
	5	N.	6·0	N. N. W.	10·0	N. N. W.	12·0	N. by W.	10·0	N. by W.	8·0	N. by W.	10·0
	6	N.	3·0	N.	2·5	N.	3·0	N. N. W.	2·5	N. N. W.	1·0	—	0·0
	7	N. W. by W.	2·0	N. W. by W.	1·5	N. W. by W.	1·0	W. N. W.	1·0	N. W.	0·5	W. N. W.	0·5
	8	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	—	0·0	—	0·0	—	0·0	—	0·0	S. W.	0·2	S. S. W.	0·2
	11	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	12	N. W. by N.	0·2	N. W. by N.	0·5	W. N. W.	1·0	N. W. by W.	0·5	N. N. W.	2·0	N. N. W.	3·5
	13	—	0·0	—	0·0	—	0·0	N. by W.	0·2	N. by W.	0·2	N. E.	0·2
	14	E. N. E.	2·5	E. N. E.	2·5	E. by N.	2·5	E. by S.	2·5	E. by N.	2·5	E. by N.	2·5
	15	E. by N.	0·2	E.	0·2	E.	0·5	E.	0·2	E.	0·2	E.	0·2
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	—	0·0	—	0·0	W. S. W.	0·2	—	0·0	W. by N.	0·2	W. by N.	0·2
	18	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	19	—	0·0	—	0·0	—	0·0	—	0·0	E. N. E.	0·2	E.	0·2
	20	—	0·0	—	0·0	N. E. by E.	0·2	—	0·0	—	0·0	E.	0·5
	21	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	22	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	W. by S.	0·2	W. S. W.	0·2	—	0·0	S. W. by S.	0·2	S. W. by S.	0·2	S. W. by S.	1·0
	25	—	0·0	—	0·0	—	0·0	S. by W.	0·5	S. W.	0·5	S. S. W.	0·5
	26	W. S. W.	0·2	W. by S.	0·2	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	1·0	W. by N.	1·0
	27	—	0·0	—	0·0	N. N. W.	0·2	N. N. W.	0·2	S. S. W.	0·2	S. S. W.	0·2
	28	W. N. W.	0·5	W. N. W.	0·2	W. N. W.	0·2	W. N. W.	0·5	W. N. W.	0·2	S. by W.	0·5

		12h.		13h.		14h.		15h.		16h.		17h.	
FEBRUARY.	1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	E. S. E.	12·0	E.	2·0	E.	8·0	E.	4·0	E. by S.	4·0	E.	4·0
	4	N. by E.	2·0	N. N. E.	1·0	N. N. E	1·0	N. N. E.	1·5	N. by E.	2·0	N.	1·5
	5	N. N. W.	9·0	N. N. W.	6·0	N. N. W.	6·0	N. N. W.	6·0	N. N. W.	4·0	N. N. W.	5·5
	6	N. W. by N.	1·0	N. W. by N.	2·0	N. W.	2·5	N. N. W.	2·5	N. N. W.	2·0	N. N. W.	4·0
	7	—	0·0	N. N. W.	0·5	N. N. W.	0·2	—	0·0	—	0·0	—	0·0
	8	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	—	0·0	—	0·0	—	0·0	N. E.	0·2	N. E. by N.	0·2	N. E. by N.	0·2
	11	E. by N.	0·2	E. by N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	12	N. N. W.	1·0	N. W. by N.	1·0	N. W.	0·5	N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5
	13	N. E.	0·2	N. E.	0·2	N. E.	0·2	N. E.	0·2	N. E.	0·2	S. S. E.	2·0
	14	E. by S.	3·0	E.	2·5	E.	2·0	E.	2·0	E.	2·0	E. by S.	1·0
	15	—	0·0	—	0·0	—	0·0	W. S. W.	0·2	W. S. W.	0·2	W.	0·2
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	W. by N.	0·2	W. N. W.	0·2	W. N. W.	0·2	N. W.	0·5	N. W.	0·2	—	0·0
	18	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	19	—	0·0	—	0·0	—	0·0	E.	0·2	N. E. by E.	0·2	N. E. by E.	0·2
	20	—	0·0	N. E. by E.	0·2	N. E. by E.	0·2	N. E.	0·2	—	0·0	—	0·0
	21	—	0·0	W. N. W.	2·5	W. N. W.	0·5	W. N. W.	0·2	W. N. W.	0·2	W. N. W.	0·2
	22	E. N. E.	0·5	E. by N.	1·5	E. by N.	2·5	N. E.	3·0	E. N. E.	2·0	E. N. E.	1·5
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	S. W.	0·5	S. W.	0·5	S. W.	0·2	—	0·0	—	0·0	—	0·0
	25	—	0·0	—	0·0	—	0·0	—	0·0	W.	1·5	W.	1·0
	26	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	27	N.	1·0	N. by W.	1·0	N. N. W.	1·5	N. N. W.	2·0	N. N. W.	2·5	N. W.	0·5
	28	S. S. E.	0·5	S. by E.	0·5	S. by E.	0·5	S. by E.	1·0	S. S. E.	1·0	S. E.	1·0

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
N. by W.	0·2	N. by E.	0·2	N. E. by E.	0·2	S. by W.	0·2	S. by W.	0·2	—	0·0	1	FEBRUARY.
—	—	—	—	—	—	—	—	—	—	—	—	2	
E.	0·5	S. E.	0·5	S. E.	1·5	S. E.	2·0	S. E.	4·0	E. by S.	4·0	3	
E. N. E.	3·0	N. E.	2·5	N. E.	4·0	N. E.	4·0	N. E.	3·0	N. E.	2·5	4	
N. by W.	12·0	N. by W.	11·0	N. W. by N.	8·0	N. W. by N.	11·0	N. by W.	10·0	N. N. W.	10·0	5	
—	0·0	N. W.	3·0	N. W.	3·5	N. W.	3·5	N. W.	4·0	N. W.	2·5	6	
W. N. W.	0·5	N. W.	0·5	N. W.	2·0	N. W.	2·0	N. W. by W.	0·2	—	0·0	7	
N. W. by N.	0·2	N. W. by N.	0·2	S. S. W.	0·2	S. S. W.	0·2	E. N. E.	0·2	—	0·0	8	
—	—	—	—	—	—	—	—	—	—	—	—	9	
S. S. W.	0·2	S. S. W.	0·2	—	0·0	—	0·0	S. E.	0·2	—	0·0	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E. by N.	0·2	11	
N. N. W.	3·5	N. N. W.	2·0	N. W. by N.	1·5	N. N. W.	3·0	N. N. W.	1·5	N. N. W.	2·5	12	
E.	0·2	E. N. E.	0·5	N. E.	0·2	N. E. by N.	0·2	N. E.	0·2	N. E.	0·2	13	
E. by N.	2·5	E.	2·0	E.	3·0	E.	3·0	E.	2·0	E.	2·5	14	
E. N. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	15	
—	—	—	—	—	—	—	—	—	—	—	—	16	
—	0·0	—	0·0	W.	0·2	W. by N.	0·2	—	0·0	—	0·0	17	
—	0·0	S. by W.	0·2	S. S. W.	0·2	S. S. W.	0·2	S.	0·2	—	0·0	18	
E. by S.	0·2	E. by S.	0·2	E. N. E.	0·2	N. E. by E.	0·2	E. N. E.	0·2	E. N. E.	0·2	19	
E. by S.	0·2	E. by S.	0·2	N. E.	0·2	E. by N.	0·2	E. N. E.	0·2	N. E.	0·2	20	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
—	0·0	—	0·0	—	0·0	E.	0·2	E. N. E.	0·2	E. N. E.	0·5	22	
—	—	—	—	—	—	—	—	—	—	—	—	23	
S. S. W.	1·0	S. S. W.	1·0	S. S. W.	0·5	S. S. W.	0·5	S. W.	2·0	S. W.	1·0	24	
S. W. by S.	0·5	S. by W.	0·5	S. S. W.	0·5	S. W. by S.	0·5	S. W.	0·2	—	0·0	25	
W. S. W.	1·0	W. S. W.	2·0	W. S. W.	0·5	W. S. W.	0·5	W. S. W.	0·2	W. by S.	0·2	26	
S by W.	0·2	S. by W.	0·2	S.	0·2	—	0·0	N. by W.	0·5	N. N. W.	0·5	27	
S. by W.	0·5	S. by W.	0·5	S. by W.	0·5	S. S. E.	0·2	S. E.	0·5	S. E.	0·5	28	

18h.		19h.		20h.		21h.		22h.		23h.			
—	—	—	—	—	—	—	—	—	—	—	—	1	FEBRUARY.
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. E.	0·2	2	
E.	5·0	E. S. E.	6·0	E. by S.	6·0	E. by S.	6·0	E. by S.	7·0	E. by S.	6·0	3	
N.	2·5	N.	2·5	N. by E.	3·5	N.	3·0	N.	3·0	N.	6·0	4	
N. W.	4·0	N. W.	3·5	N. W.	3·5	N. W.	3·5	N. W.	3·0	N. W.	3·0	5	
N. N. W.	3·5	N.	2·5	N. W.	2·5	N. W.	2·5	N. W.	2·5	N. W. by W.	3·5	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
—	—	—	—	—	—	—	—	—	—	—	—	8	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	9	
N. N. E.	0·2	N. E. by N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11	
N. by W.	0·5	N. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	12	
N. E. by E.	2·0	N. E. by E.	1·0	N. E.	1·0	N. E.	1·5	N. E. by E.	1·0	N. E. by E.	1·0	13	
E.	1·0	E.	1·0	E.	0·5	E.	0·5	E.	0·5	E. N. E.	0·2	14	
—	—	—	—	—	—	—	—	—	—	—	—	15	
—	0·0	—	0·0	—	0·0	W.	0·2	—	0·0	—	0·0	16	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	17	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	18	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. E.	0·2	19	
—	0·0	E. N. E.	0·2	N. N. W.	0·2	—	0·0	—	0·0	—	0·0	20	
W. N. W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
—	—	—	—	—	—	—	—	—	—	—	—	22	
W. S. W.	0·5	W. S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	23	
W. S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	24	
W. by N.	0·5	W. by S.	0·5	W. by N.	0·2	W. by S.	1·0	W. S. W.	0·2	W. S. W.	0·2	25	
—	0·0	W.	0·2	—	0·0	—	0·0	N. W.	0·2	—	0·0	26	
N. W.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·5	W. N. W.	0·5	W. N. W.	0·5	27	
S. E.	0·5	S. E.	0·5	S. E.	0·2	—	0·0	—	0·0	—	0·0	28	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
MARCH.	1	—	0·0	—	0·0	—	0·0	W. by S.	0·5	N. W.	1·5	W. N. W.	1·5
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	0·0	W. by N.	2·0	W. N. W.	3·5	N.W. by W.	3·0	W. by N.	3·5	W. N. W.	3·5
	4	W. S. W.	0·2	S. W.	0·2	S. W. by W.	0·2	—	0·0	S. W. by S.	0·2	S. S. W.	0·2
	5	N. E.	0·5	N. N. E.	0·5	N. by W.	0·5	N. by W.	1·0	N. by W.	1·5	N. by W.	1·5
	6	—	0·0	—	0·0	—	0·0	—	0·0	S. E.	0·2	S. E. by S.	0·2
	7	—	0·0	E.	0·2	E. N. E.	0·2	E.	0·2	E.	0·5	E. S. E.	0·5
	8	—	0·0	—	0·0	—	0·0	—	0·0	W.	0·2	W.	0·5
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	—	0·0	N. by E.	0·2	N. by E.	0·2	E. N. E.	0·2	E. N. E.	0·5	N. N. E.	0·2
	11	N. by W.	0·2	N. by W.	0·2	N.	0·2	E. N. E.	0·2	E. S. E.	0·5	S. E.	0·3
	12	S. S. W.	0·5	S. S. W.	0·2	S. W.	0·5	S. W. by S.	1·0	S. W.	1·0	S. by W.	1·0
	13	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E. S. E.	0·2
	14	—	0·0	—	0·0	E. by N.	0·2	E. by N	0·2	E.	0·2	E.	0·2
	15	W. by N.	2·0	W.	1·5	W. by N.	1·0	W. by S.	3·5	W. by S.	3·5	W. by S.	3·5
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	N. by E.	0·2	N. N. E.	0·2	—	0·0	N. by E.	0·2	N. by W.	0·2	N. by W.	0·2
	18	W. N. W.	0·2	W. N. W.	0·2	W. N. W.	0·2	W. by N.	1·0	W. by N.	1·0	W. N. W.	2·5
	19	—	0·0	W. by S.	0·2	W. by S.	1·0	W. N. W.	2·5	W.	1·0	W. N. W.	1·3
	20	W. N. W.	1·5	W.	0·5	W.	2·5	W. by N.	1·5	W.	2·5	W. by N.	2·5
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	0·0	—	0·0	—	0·0	—	0·0	S. S. W.	0·2	S. S. W.	0·2
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	W. by N.	0·5	W. by N.	0·5	W.	0·5	W.	0·2	W.	0·5	N. W. by W.	0·5
	25	—	0·0	—	0·0	—	0·0	S. W.	0·2	S. W.	0·5	S. S. W.	0·5
	26	S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. W. by S.	0·5	S. by W.	0·5	S.	0·5
	27	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. E.	0·2
	28	—	0·0	—	0·0	—	0·0	—	0·0	N. by W.	0·2	S. E. by E.	0·2
	29	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. S. E.	0·2
	30	—	—	—	—	—	—	—	—	S. W. by S.	—	—	—
	31	—	0·0	—	0·0	—	0·0	S. by W.	0·2	—	0·0	S. by W.	0·2

Mean Göttingen Time.		12h.		13h.		14h.		15h.		16h.		17h.	
MARCH.	1	E. by N.	0·2	E. by N.	0·2	E. by N.	0·2	E. by N.	0·2	E. by N.	0·2	E. by N.	0·2
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	0·0	—	0·0	—	0·0	—	0·0	S. E. by S.	0·2	—	0·0
	4	N. E. by E.	0·2	N. E. by E.	0·2	N. E.	0·5	E. N. E.	0·5	E. by N.	0·5	N. E.	0·2
	5	N. W.	3·0	W. by N.	2·0	W. by N.	0·5	W.	0·5	W. by S.	0·5	W. S. W.	0·5
	6	E. by N.	0·5	E by N.	0·5	E. by N.	0·5	E. by N.	0·5	N. E. by E.	0·5	E. N. E.	0·5
	7	N. E. by E.	0·2	E. N. E.	0·2	N. E. by E.	0·2	—	0·0	—	0·0	—	0·0
	8	W.	0·2	W.	0·2	W.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·2
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	N. E.	0·2	—	0·0	N. E.	0·2	E.	0·5	N.	0·2	N. by W.	0·2
	11	S. S. E.	0·2	S.	0·5	S. by W.	0·5	S. S. W.	0·2	S. W. by S.	0·2	S. W. by W.	0·2
	12	S. S. W.	0·2	—	0·0	S. W.	0·2	N.	0·2	—	0·0	N. E. by N.	0·2
	13	E. by N.	0·5	E. by S.	0·2	E. N. E.	0·2	—	0·0	—	0·0	—	0·0
	14	W. N. W.	4·0	W. N. W.	3·5	W. N. W.	3·0	W. by N.	4·0	W. N. W.	4·0	W.	2·5
	15	W. by N.	1·0	N. by W.	0·2	W. N. W.	0·2	N. W.	1·0	N. by W.	2·0	N. by W.	1·5
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	W. by N.	0·5	W. N. W.	1·0	W. N. W.	0·5	W. N. W.	0·5	W.	0·5	W. by S.	0·5
	18	W. N. W.	3·0	W. N. W.	1·5	W.	1·0	W. by S.	0·5	W.	0·2	W. S. W.	0·2
	19	N. N. W.	1·5	N. W.	2·5	W. N. W.	4·0	W. by N.	2·0	W. by S.	1·5	W. by S.	1·5
	20	N. W.	2·0	W. N. W.	1·0	W. N. W.	1·0	N.W. by W.	0·2	W. N. W	0·5	N. N. W.	1·0
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	S. S. W.	1·5	S. W.	1·0	S. W. by W.	0·5	W.	0·2	—	0·0	—	0·0
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	N. W. by N.	0·2	N. W. by N.	0·2	N. W.	0·2	N. W.	0·2	—	0·0	—	0·0
	25	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	26	S. W. by S.	0·5	S. W. by S.	0·5	S. W.	0·5	S. W.	0·5	S. W. by W.	2·5	S. W.	1·5
	27	E. N. E.	0·2	E. N. E.	0·2	—	0·0	N.	0·2	N. W.	0·2	—	0·0
	28	E. N. E.	0·2	E. N. E.	0·2	N. E.	0·5	N. E.	0·5	N. E.	0·2	E. N. E.	0·2
	29	S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	30	—	—	—	—	—	—	—	—	—	—	—	—
	31	S. by E.	1·0	S. by E.	1·0	S. by E.	2·0	E.	0·5	S. by E.	0·5	S. E. by S.	0·5

DIRECTION AND FORCE OF THE WIND.

4h.		5h.		6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
N.W.	1·5	W.N.W.	1·5	W.N.W.	1·0	W.	0·5	S.	0·2	S.E.	0·2	E.S.E.	0·2	E.S.E.	0·2	1	MARCH.
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	
W. by N.	3·5	W.N.W.	3·5	W.N.W.	3·0	W.N.W.	2·5	W.N.W.	2·5	N.W. by N.	0·5	W.N.W.	0·5	W.N.W.	0·5	3	
W. by S.	0·2	S.S.W.	0·2	S.	0·2	—	0·0	S. by E.	0·2	—	0·0	E. by N.	0·2	N.E. by E.	0·2	4	
N. by W.	1·5	N. by W.	1·5	N.N.W.	2·0	N.W.	3·0	N.W.	4·0	N.W.	2·0	N.W.	3·0	W.N.W.	2·5	5	
S.E.	0·2	S.E. by S.	0·2	S.E. by S.	0·2	S.E. by E.	0·2	—	0·0	—	0·0	—	0·5	E.	0·5	6	
E.	0·5	E.S.E.	0·5	E.S.E.	0·5	E.S.E.	0·5	E. by N.	0·5	N.E.	0·5	N.E.	0·5	N.E. by E.	0·5	7	
W.	0·2	W.	0·5	W. by S.	0·5	W. by S.	1·5	W. by S.	2·5	W. by S.	2·0	W.	1·0	W.	1·0	8	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9	
E.N.E.	0·5	N.N.E.	0·2	N.N.E.	0·2	E.S.E.	0·2	E.S.E.	0·2	E.N.E.	0·2	E.N.E.	0·2	N.E.	0·2	10	
E.S.E.	0·5	S.E.	0·5	S.by E.	0·5	S.S.E.	0·2	S.S.E.	0·2	S.	0·2	S.	0·2	S.	0·2	11	
S.W.	1·0	S. by W.	1·0	S.W. by S.	0·2	S. by W.	0·2	W. by S.	0·2	S. by W.	0·2	S.W.	0·2	S.S.W.	0·2	12	
—	0·0	E.S.E.	0·2	E.S.E.	0·2	E.S.E.	0·2	E.	0·2	E.	0·2	E.	0·2	E.	0·5	13	
E.	0·2	E.	0·2	S.E.	0·2	E.	0·2	W.S.W.	1·0	W. by N.	1·0	W.N.W.	2·5	W.N.W.	4·0	14	
W. by S.	3·5	W. by S.	3·5	W. by S.	4·5	W. by S.	3·5	W. by S.	5·0	W. by S.	5·0	W.S.W.	5·5	W.S.W.	3·5	15	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16	
N. by W.	0·2	N. by W.	0·2	N.W.	0·2	N.W. by N.	0·2	N.W. by W.	1·0	N.W.	1·0	N.W.	0·5	N.W.	0·5	17	
W. by N.	1·0	W.N.W.	2·5	W.N.W.	2·5	N.W. by W.	1·5	W. by S.	1·5	W.N.W.	1·0	N.W. by W.	2·5	W.N.W.	2·5	18	
W.	1·0	W.N.W.	1·5	S.W.	0·5	W.	0·5	N.W.	1·0	N.N.W.	1·5	N.W.	1·5	N.N.W.	1·5	19	
W.	2·5	W. by N.	2·5	W. by N.	2·5	W.	1·5	W.N.W.	2·0	W.N.W.	1·5	N.W.	2·0	N.W.	2·5	20	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21	
S.S.W.	0·2	S.S.W.	0·2	S.S.W.	0·5	S. by W.	0·5	S. by W.	0·5	S. by W.	0·5	S. by W.	0·5	S. by W.	1·0	22	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	23	
W.	0·5	N.W. by W.	0·5	N.W.	1·0	N.W.	1·5	N.N.W.	1·0	N.N.W.	2·5	N.N.W.	2·5	N.W. by N.	2·0	24	
S.W.	0·5	S.S.W.	0·5	S.	0·2	N.W.	1·0	W.N.W.	1·5	W.N.W.	1·5	W.N.W.	1·0	—	0·0	25	
S. by W.	0·5	S.	0·5	S. by W.	1·0	S.S.W.	2·0	S.S.W.	2·5	S.S.W.	2·0	S.W.	0·5	S.S.W.	0·5	26	
—	0·0	S.E.	0·2	E.	0·2	—	0·0	E.	0·2	E.	1·0	E.	1·0	E.	0·5	27	
N. by W.	0·2	S.E. by E.	0·2	E.	0·2	S.E.	0·5	E. by S.	0·5	E.S.E.	0·2	S.E. by E.	0·2	E. by S.	0·2	28	
—	0·0	S.S.E.	0·2	—	0·0	S.S.E.	0·2	S.	0·2	S.W.	2·5	S.W.	1·5	S.W.	1·0	29	
S.W. by S.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	30	
—	0·0	S. by W.	0·2	S.S.W.	0·5	S. by W.	0·5	S.	1·0	S.	1·0	S.S.W.	1·5	S.S.W.	0·5	31	

16h.		17h.		18h.		19h.		20h.		21h.		22h.		23h.			
E. by N.	0·2	E. by N.	0·2	—	—	—	—	—	—	—	—	—	—	—	—	1	MARCH.
—	—	—	—	N.N.W.	3·0	N.N.W.	2·0	N.N.W.	2·0	N.W.	2·0	W.N.W.	0·2	—	0·0	2	
S.E. by S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	3	
E. by N.	0·5	N.E.	0·2	N.E.	0·2	N.E.	0·2	N.N.E.	1·0	N.E.	1·5	E.N.E.	1·5	N.E. by E.	1·0	4	
W. by S.	0·5	W.S.W.	0·5	W.S.W.	0·5	S.W. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	5	
N.E. by E.	0·5	E.N.E.	0·5	E.N.E.	0·5	E.N.E.	0·5	E.N.E.	0·2	—	0·0	—	0·0	—	0·0	6	
—	0·0	—	0·0	—	0·0	—	0·0	E. by S.	0·2	E.N.E.	0·2	—	0·0	—	0·0	7	
N.W.	0·2	N.W.	0·2	—	—	—	—	—	—	—	—	—	—	—	—	8	
—	—	—	—	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	9	
N.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·5	N.N.W.	0·5	N.N.W.	0·5	N.N.W.	0·5	N.	0·2	10	
S.W. by S.	0·2	S.W. by W.	0·2	S.W. by W.	0·2	S.W.	0·2	S.W. by S.	0·5	S.W. by S.	0·5	S.S.W.	0·5	S.S.W.	0·2	11	
—	0·0	N.E. by N.	0·2	S.E. by N.	0·2	—	0·0	—	0·0	N.W.	0·2	N.W.	0·2	—	0·0	12	
—	0·0	—	0·0	E.N.E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	13	
W.N.W.	4·0	W.	2·5	W.	1·0	W.N.W.	1·0	W.N.W.	1·0	W.N.W.	3·0	W. by N.	2·5	W.N.W.	2·0	14	
N. by W.	2·0	N. by W.	1·5	—	—	—	—	—	—	—	—	—	—	—	—	15	
—	—	—	—	W. by W.	0·2	—	0·0	—	0·0	—	0·0	N.W. by N.	0·2	N.	0·2	16	
W.	0·5	W. by S.	0·5	W. by N.	0·5	W.N.W.	0·2	W. by N.	0·5	N.W.	0·5	N.W. by N.	0·5	N.W. by N.	0·2	17	
W.	0·2	W.S.W.	0·5	W. by S.	1·0	—	0·0	—	0·0	—	0·0	W.N.W.	0·2	—	0·0	18	
W. by S.	1·5	W. by S.	1·5	W. by S.	1·5	W.	1·5	W.	1·5	W. by S.	1·5	W.S.W.	1·5	W.N.W.	2·0	19	
W.N.W.	0·5	N.N.W.	1·0	—	—	—	—	—	—	—	—	—	—	—	—	20	
—	—	—	—	—	—	—	—	W.N.W.	0·2	—	0·0	—	0·0	—	0·0	21	
—	0·0	—	0·0	—	—	—	—	—	—	—	—	—	—	—	—	22	
—	—	—	—	W.S.W.	0·5	W.S.W.	0·2	W.S.W.	0·2	W.S.W.	0·2	W.	0·5	W. by N.	0·5	23	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	24	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.S.W.	0·2	25	
S.W. by W.	2·5	S.W.	1·5	W. by S.	1·0	W. by S.	1·0	W. by S.	0·5	W.S.W.	0·5	W.S.W.	0·5	W.S.W.	0·2	26	
N.W.	0·2	—	0·0	N.W.	0·2	N.	0·2	—	0·0	—	0·0	E.	0·2	—	0·0	27	
N.E.	0·2	E.N.E.	0·2	E.E. by E.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28	
—	0·0	—	0·0	—	—	—	—	—	—	—	—	—	—	—	—	29	
—	—	—	—	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	30	
S. by E.	0·5	S.E. by S.	0·2	—	0·0	S.S.E.	0·2	S.S.E.	0·5	S.S.E.	0·5	E.	1·5	W.S.W.	2·5	31	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
APRIL.	1	W. S. W.	3·5	W. by N.	3·5	W.	4·0	W. S. W.	2·5	W. S. W.	3·5	W. N. W.	2·5
	2	S. S. W.	0·5	S. S. W.	0·2	S. S. W.	0·2	S. W.	2·5	S. W.	5·0	W. S. W.	6·5
	3	N. W.	1·5	N. W.	1·0	N. W.	1·0	N.W by W.	2·0	W. by S.	1·0	W. by N.	1·0
	4	W. N. W.	3·5	W. by N.	4·0	W.	5·0	W. N. W.	4·0	W.	4·5	W.	4·0
	5	—	0·0	W. by N.	0·2	W. by S.	0·2	S. W.	1·0	W.	2·0	W. S. W.	2·5
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. by W.	0·2
	8	N.W. by N.	0·5	N. N. W.	2·0	N. W. by N.	3·5	N. N. W.	4·5	N. N. W.	4·0	N. N. W.	4·5
	9	—	0·0	—	0·0	W. by N.	0·2	S. by E.	0·2	S. by W.	0·0	S. by W.	0·2
	10	—	0·0	W.	0·2	W. N. W.	0·5	W. N. W.	5·0	W. N. W.	4·0	W. N. W.	3·5
	11	N. W.	1·0	N. W.	2·5	N. N. W.	2·5	N. W.	2·5	N. W.	3·5	N. W.	2·5
	12	—	0·0	—	0·0	W. N. W.	0·2	N. W.	0·2	S. E. by S.	0·2	S. S. W.	0·2
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	N. W. by W.	0·5	W. N. W.	0·2	W. N. W.	0·2	W.	0·2	W.	1·5	W by N.	1·0
	15	—	0·0	—	0·0	N. by W.	0·2	—	0·0	S.	0·2	S.	0·2
	16	N. E.	2·0	N. E.	3·5	N. E.	3·0	E. N. E.	4·0	N. E.	5·0	E. N. E.	4·5
	17	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	1·0	E.	1·0
	18	E. N. E.	1·5	E. N. E.	1·0	E. N. E.	1·5	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	1·0
	19	E. S. E.	0·2	E. by N.	0·2	E. N. E.	0·2	E. N. E.	0·2	E. N. E.	0·2	E. N. E.	0·2
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	—	0·0	—	0·0	E.	0·2	—	0·0	—	0·0	S. E. by E.	0·2
	22	—	0·0	E.	0·5	E.	0·5	E.	0·5	E. by S.	0·5	E.	1·0
	23	—	0·0	—	0·0	E.	0·2	E. S. E.	0·2	E. S. E.	0·2	E.	0·2
	24	S. W.	0·2	—	0·0	—	0·0	S. by W.	0·2	S. S. W.	0·5	S. S. E.	0·5
	25	N. E.	2·5	N. E.	3·0	E. N. E.	2·5	E. N. E.	2·5	E. N. E.	2·5	E. N. E.	1·5
	26	—	0·0	—	0·0	—	0·0	E. by S.	0·2	E. S. E.	0·2	E. by S.	0·2
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	29	N. N. E.	0·2	N. E. by E.	0·2	E. N. E.	0·5	E.	0·5	E.	0·5	S.	0·5
	30	N. N. E.	0·5	N. E.	0·5	N. E. by E.	0·5	E. by N.	0·2	E.	0·5	E.	0·5

		12h.		13h.		14h.		15h.		16h.		17h.	
APRIL.	1	W. by N.	0·2	W. by N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	2	W.	3·0	W.	1·0	W.	0·2	—	0·0	—	0·0	W. by N.	3·5
	3	S. S. E.	1·0	S. S. E.	1·0	S.E.	0·5	E.	0·5	E. by N.	1·0	E. S. E.	3·0
	4	W. N. W.	2·5	W. N. W.	2·5	N.W. by W.	1·5	N. W.	0·2	N. W.	0·2	N. W.	0·2
	5	N. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	N.W. by W.	2·0	N. W.	2·5	—	0·0	—	0·0	—	0·0	W. N. W.	0·5
	8	N. W.	1·0	N. N. W.	1·0	W. N. W.	1·5	W. N. W.	1·0	W. by N.	1·0	W. by N.	0·5
	9	S. S. W.	1·0	S. S. W.	1·0	S. S. W.	2·5	S. by W.	2·5	S. by W.	0·5	S. S. W.	0·2
	10	N.W. by W.	3·5	N. W.	3·5	N.W. by W.	3·5	N W.	1·0	N. W.	0·5	—	0·0
	11	N. N. W.	2·5	N. N. W.	0·5	N. N. W.	0·5	—	0·0	—	0·0	—	0·0
	12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	N. W.	1·0	—	0·0	—	0·0	N. W.	0·2	W. N. W.	0·2	W. N. W.	0·2
	15	S. E. by S.	0·2	E.	0·2	N. E.	0·2	—	0·0	—	0·0	N.E. by N.	0·2
	16	E. N. E.	0·5	E N. E.	2·5	E. N. E.	3·0	E. N. E.	3·0	E. N. E.	2·0	E. N. E.	1·0
	17	E. N. E.	2·5	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	2·5	E. N. E.	2·5	E. N. E.	3·0
	18	N. E.	0·5	N. E.	2·0	E. N. E.	1·0	E. N. E.	1·0	N. E.	0·5	N. E.	0·5
	19	—	0·0	—	0·0	N.W. by W.	0·2	N.W. by W.	0·2	W. by N.	0·2	W. by N.	0·2
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	E. by S.	0·2	E.	0·2	E.	0·2	N. by W.	0·2	—	0·0	N. by E.	0·2
	22	E. N. E.	0·2	E. N. E.	0·2	E.	0·2	E.	0·2	—	0·0	—	0·0
	23	S. W.	1·5	N. W.	0·5	W.	1·0	S. S. E.	0·5	S. S. E.	0·2	S. S. E.	0·2
	24	N. N. W.	1·0	N. by W.	0·2	—	0·0	N. N. W.	0·2	N.	0·2	N. E.	0·2
	25	F. N. E.	0·5	N. E. by E.	2·0	S. E. by S.	0·2	E. by S.	0·5	E.	0·5	E.	0·5
	26	E.	0·2	E. by N.	0·2	N. N. E.	0·5	N. by E.	0·2	N.	0·2	S. by W.	0·2
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	S. W. by W.	0·2	W. S. W.	0·2	W. S. W.	0·2	—	0·0	—	0·0	—	0·0
	29	E. N. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	E.	0·2
	30	N. by E.	0·2	N. by E.	0·2	W. N. W.	0·2	S.	0·5	W.	0·5	N.W. by W.	0·2

DIRECTION AND FORCE OF THE WIND.

4h.		5h.		6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
rection.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
S. W.	3·5	W. N. W.	2·5	W. by N.	2·5	W. by N.	2·5	W. by N.	3·5	W.	2·5	W. by N.	2·0	W.	2·0	1	APRIL.
W.	5·0	W. S. W.	6·5	W. S. W.	5·0	W.	10·0	W. N. W.	10·0	W. by N.	9·0	W. by N.	8·0	W. N. W.	4·5	2	
by S.	1·0	W. by N.	1·0	N.W. by W.	0·5	S. S. E.	0·5	S. E. by S.	0·2	S. E. by E.	0·2	S. E. by S.	0·2	E. S. E.	0·5	3	
W.	4·5	W.	4·0	W. N. W.	4·5	W. N. W.	4·0	W. N. W.	6·5	W. N. W.	5·5	W. N. W.	3·5	W. N. W.	3·5	4	
W.	2·0	W. S. W.	2·5	W. by N.	3·0	N.	1·5	W. N. W.	2·5	N. by W.	3·5	N. N. W.	2·5	N. by W.	1·5	5	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6	
N. W.	0·5	N. by W.	0·2	N. N. W.	0·2	W. S. W.	0·5	W. by N.	0·5	N. W.	0·2	W. S. W.	0·2	N. W.	2·0	7	
N. W.	4·0	N. N. W.	4·5	N. N. W.	4·5	N. N. W.	5·5	N. W.	4·0	N. W.	4·5	N. N. W.	5·5	N. N. W.	3·0	8	
by W.	0·0	S. by W.	0·2	E. S. E.	0·2	S. E. by S.	0·2	S. S. E.	0·2	S.	1·0	S. S. W.	2·5	S. S. W.	1·0	9	
N. W.	4·0	W. N. W.	3·5	N.W. by W.	3·5	N. W.	4·5	W. N. W.	4·0	W. N. W.	5·0	W. N. W.	4·0	N.W. by W.	3·5	10	
N. W.	3·5	N. W.	2·5	N. W.	2·5	N. W.	2·5	N. W.	3·0	N. N. W.	3·0	N. N. W.	2·5	N. N. W.	2·5	11	
E. by S.	0·2	S. S. W.	0·2	S. by W.	0·5	S. by W.	0·2	S.	0·2	S.	0·2	S. by W.	0·2	—	0·0	12	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13	
W.	1·5	W. by N.	1·0	S. by W.	0·5	S. by W.	0·5	S. by W.	1·0	S. S. W.	0·5	S. S. W.	0·5	N. W.	2·5	14	
S.	0·2	S.	0·2	S. by W.	0·5	S. by W.	0·5	S. S. E.	0·2	S. E. by S.	0·2	S. E. by S.	0·2	S. E. by S.	0·2	15	
N. E.	5·0	E. N. E.	4·5	N. E.	3·5	E. N. E.	3·5	E. N. E.	3·5	E. N. E.	3·0	E. N. E.	3·0	E. N. E.	3·0	16	
. N. E.	1·0	E.	1·0	E. by N.	1·0	E.	1·0	E.	0·5	E. N. E.	1·0	E. N. E.	1·0	E. N. E.	0·5	17	
. N. E.	0·5	E. N. E.	1·0	N. E. by E.	0·5	E. N. E.	1·5	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	2·5	18	
. N. E.	0·2	E. N. E.	0·2	E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20	
—	0·0	S. E. by E.	0·2	S. E.	0·2	S. E. by S.	0·2	—	0·0	—	0·0	E. S. E.	0·2	E. S. E.	0·2	21	
. by S.	0·5	E.	1·0	E.	1·5	E. by N.	1·5	E.	1·5	E.	1·0	E.	1·0	E.	0·5	22	
. S. E.	0·2	E.	0·2	E.	0·2	E.	0·2	E. by N.	0·2	N. E. by E.	0·5	E. N. E.	0·5	N. N. E.	0·5	23	
. S. W.	0·5	S. S. E.	0·5	S. S. E.	0·2	S. S. E.	0·2	N. N. E.	0·2	N.	0·2	N. N. W.	0·5	N. N. W.	1·0	24	
. N. E.	2·5	E. N. E.	1·5	E. N. E.	1·0	E.	0·5	N. E. by E.	2·5	E.	3·0	E.	0·5	W. by S.	3·0	25	
. S. E	0·2	E. by S.	0·2	E. by S.	0·2	E.	0·5	E.	0·2	E. S. E.	1·0	E. by N.	0·5	E.	0·5	26	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	27	
—	0·0	—	0·0	—	0·0	S.	0·2	S.	0·2	S.	0·2	S. by W.	0·2	—	0·0	28	
E.	0·5	S.	0·5	S.	0·5	S. E. by S.	0·5	S. by E.	0·5	S. S. E.	0·2	S. E.	0·2	S. W by S.	0·2	29	
E.	0·5	E.	0·5	E.	0·5	N. N. E.	0·5	E.	0·5	E. N. E.	0·2	E. by N.	0·2	N. E.	0·2	30	

16h.		17h.		18h.		19h.		20h.		21h.		22h.		23h.			
—	0·0	—	0·0	—	0·0	E. by N.	0·2	—	0·0	—	0·0	S. E.	0·2	S. E.	0·2	1	APRIL.
—	0·0	W. by N.	3·5	W. by N.	1·5	N. N. W.	3·5	N. W.	3·0	N. W.	3·5	N. W.	3·0	N. W.	3·0	2	
E. by N.	1·0	E. S. E.	3·0	E. S. E.	3·0	E. S. E.	0·5	E. N. E.	0·5	—	0·0	W.	0·2	W. N. W.	2·5	3	
N. W.	0·2	N. W.	0·2	—	0·0	W. N. W.	1·0	W. N. W.	0·5	W. N. W.	0·5	W. N. W.	0·5	W. N. W.	0·2	4	
—	0·0	—	0·0	—	—	—	—	—	—	—	—	—	—	—	—	5	
—	—	—	—	—	0·0	—	0·0	—	0·0	—	0·0	N. W. by N.	0·5	N. N. W.	0·5	6	
—	0·0	W. N. W.	0·5	W. N. W.	0·5	W. N. W.	0·5	W. N. W.	0·5	N. W.	1·5	N. W.	1·5	N. W. by N.	1·0	7	
V. by N.	1·0	W. by N.	0·5	W. by N.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	8	
. by W.	0·5	S. S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	9	
N. W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	N. W.	2·0	N. W.	2·5	N. W.	2·5	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11	
—	0·0	—	0·0	—	—	—	—	—	—	—	—	—	—	—	—	12	
—	—	—	—	W. N. W.	0·2	W. N. W.	0·2	W. N. W.	0·2	W. N. W.	0·5	N. W. by W.	0·5	N. W. by W.	0·5	13	
V. N. W.	0·2	W. N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	S. W. by S.	0·2	—	0·0	14	
—	0·0	N. E. by N.	0·2	E. N. E.	0·5	E. N. E.	0·5	E. N. E.	0·2	E. N. E.	2·0	E. N. E.	2·0	N. E.	3·0	15	
E. N. E.	2·0	E. N. E.	1·0	E. N. E.	1·0	N. E.	0·5	N. E.	0·5	N. E.	0·5	E. N. E.	0·5	E. N. E.	0·5	16	
E. N. E.	2·5	E. N. E.	3·0	E. N. E.	2·5	N. E.	2·0	E.	0·5	E. by N.	1·5	E. N. E.	0·5	E. N. E.	0·5	17	
N. E.	0·5	N. E.	0·5	N. E.	0·5	N. N. W.	0·5	N. N. E.	0·5	E.	0·5	E.	0·2	E.	0·2	18	
W. by N.	0·2	W. by N.	0·2	—	—	—	—	—	—	—	—	—	—	—	—	19	
—	—	—	—	—	0·0	N. by W.	0·2	N.W. by W.	0·2	N.W. by N.	0·2	N. by W.	0·5	—	0·0	20	
—	0·0	N. by E.	0·2	N. N. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	22	
S. S. E.	0·2	S. S. E.	0·2	W. N. W.	0·2	W. by N.	0·2	W. by N.	0·2	W. by N.	0·2	S. W.	0·2	S. W.	0·2	23	
N.	0·2	N. E.	0·2	N. E. by E.	0·2	E. N. E.	0·5	E. N. E.	1·0	E.	1·0	E. N. E.	3·0	N. E.	2·5	24	
E.	0·5	E.	0·5	E.	0·5	E. by N.	0·2	E.	0·2	E.	0·2	—	0·0	—	0·0	25	
N.	0·2	S. by W.	0·2	—	—	—	—	—	—	—	—	—	—	—	—	26	
—	—	—	—	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	27	
—	0·0	—	0·0	N. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28	
—	0·0	E.	0·2	E.	0·2	E. by N.	0·5	E. by N.	0·5	N. E. by E.	0·2	N. E. by E.	0·2	E. N. E.	0·5	29	
W.	0·5	N. W. by W.	0·2	W. by N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	30	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
MAY.	1	—	0·0	—	0·0	W.	0·2	W.	0·2	W.	0·2	W.	0·3
	2	W.	0·2	W.	1·0	W. N. W.	2·5	W. N. W.	2·5	W. N. W.	2·0	W.	2·0
	3	—	0·0	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·5	S. S. W.	1·0	S.	1·3
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	—	0·0	N. W.	1·0	N. W.	0·5	N. W. by N.	0·5	N. W. by W.	1·0	N. W. by W.	1·0
	6	—	0·0	—	0·0	S. S. W.	0·2	S. by W.	0·2	S. by E.	0·5	S.	0·3
	7	N. N. W.	1·0	N. N. W.	3·0	N. N. W	3·5	N. W.	2·5	N. W.	3·0	N. W.	2·5
	8	—	0·0	—	0·0	N. W.	0·2	S. by E.	0·2	S. by W.	0·5	S. by W.	0·3
	9	E. by S.	0·2	N. N. E.	0·2	E.	0·2	E. S. E.	0·5	E. S. E.	0·5	E. by S.	0·5
	10	E.	0·2	E.	0·2	E. S. E.	0·5	E. by S.	0·5	E. S. E.	0·5	S. E.	0·2
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	0·0	—	0·0	—	0·0	S.	0·2	S. S. W.	0·2	S. S. W.	0·3
	13	—	0·0	S. E. by S.	0·2	S. S. E.	0·2	—	0·0	S. by W.	0·2	S. by E.	0·2
	14	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	15	N. by W.	0·5	N. by W.	2·0	N. N. W.	2·5	N. N. W.	2·5	N. N. W.	2·5	N. N. W.	0·5
	16	N. by W.	0·2	N. E.	0·2	N.	0·2	N.	1·0	S. by E.	0·2	S. by W.	0·2
	17	N. N. W.	0·2	N.	0·2	N. N. W.	0·2	S. by W.	0·2	S. S. E.	0·2	S. E.	0·2
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	—	0·0	S. S. W.	0·2	S.	0·2	S. by E.	0·2	S.	0·5	S.	0·3
	20	W. N. W.	0·2	W. N. W.	0·5	W. N. W.	0·2	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·3
	21	N. N. W.	0·2	—	0·0	W. by N.	0·2	W. N. W.	0·5	S. S. W.	0·5	S.	0·3
	22	—	0·0	—	0·0	N. E. by N.	0·2	N. by W.	0·2	N. E.	0·2	E. by S.	0·2
	23	N. W. by W.	0·2	W.	0·2	W. by S.	0·2	S. S. W.	0·2	S.	0·5	S. S. W.	0·2
	24	N. N. W.	0·5	N. W. by N.	2·0	N. W.	1·5	N. W.	2·0	N. W.	1·5	N. W.	1·3
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	W. S. W.	0·2	W. S. W.	0·5	W. S. W.	1·0	W. by S.	1·0	W. by S.	2·0	W. by S.	2·3
	27	—	0·0	—	0·0	—	0·0	—	0·0	S. by E.	0·2	S. by E.	0·2
	28	—	0·0	S. S. W.	0·2	S. S. W.	0·5	S. S. W.	1·0	S. by W.	1·0	S. W.	1·3
	29	N. N. W.	1·0	N. N. W.	2·5	N. N. W.	2·0	N. W.	1·5	N. W.	0·5	N. W.	0·5
	30	—	0·0	—	0·0	N. by E.	0·2	S. S. E.	0·2	S.	0·5	S.	0·3
	31	S. S. W.	0·2	S. S. W.	0·2	S.	0·2	S.	0·2	S.	0·2	S.	0·2

		12h.		13h.		14h.		15h.		16h.		17h.	
MAY.	1	N. N. W.	0·2	N. W.	0·5	N. N. W.	0·5	N.	0·5	N. by W.	0·5	N. N. W.	0·3
	2	W.	1·0	S. S. W.	0·5	S. S. W.	0·2	W.	0·2	W. by S.	0·2	W. S. W.	0·2
	3	S. W.	0·5	S. W. by W.	0·5	S. W.	0·2	—	0·0	—	0·0	—	0·0
	4	—	—	—	—	—	—	—	—	—	—	—	—
	5	S.	0·5	S. S. W.	0·2	W. N. W.	0·2	—	0·0	—	0·0	—	0·0
	6	—	0·0	N.	0·2	N. E.	0·2	—	0·0	—	0·0	—	0·0
	7	N. W.	2·5	N. W.	2·0	N. W.	2·5	N. W.	1·5	N. W. by N.	0·5	N. W. by N.	0·3
	8	S.	0·5	S.	0·5	S. S. W.	0·2	S. S. W.	0·2	—	0·0	—	0·0
	9	E.	0·2	E. N. E.	0·2	N. E. by N.	0·2	—	0·0	—	0·0	—	0·0
	10	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	11	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	13	E.	0·2	E.	0·2	—	0·0	S.	0·2	—	0·0	—	0·0
	14	N. N. E.	0·2	N. W.	0·2	N. N. W.	0·5	N. E.	0·5	N. W.	0·5	N. N. W.	0·3
	15	N. N. W.	2·5	N. N. W.	1·5	N. W. by N.	1·0	N. N. W.	1·0	N. by W.	0·2	—	0·0
	16	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	17	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	18	—	—	—	—	—	—	—	—	—	—	—	—
	19	W. S. W.	0·5	S. W.	0·2	N. W.	1·5	N. N. W.	1·5	N. N. W.	0·5	N. W.	0·3
	20	N. W.	0·5	N. N. W.	0·5	N. N. W.	1·5	N. W. by N.	1·0	—	0·0	—	0·0
	21	S. E. by S.	0·2	N. E.	0·2	N. by E.	0·2	—	0·0	N.	0·2	N. by W.	0·2
	22	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	23	N. W.	0·5	N. N. W.	0·5	N. N. W.	1·0	N. N. W.	0·5	N. W. by N.	0·2	N. by W.	0·3
	24	N. W.	2·0	N. W.	2·0	N. W.	2·0	N. W.	1·5	N. W.	1·0	N. W.	0·5
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	W. N. W.	2·5	N. W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0
	27	S. W. by S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	28	N. W.	0·5	N. W.	2·0	N. W.	3·0	N. W. by N.	3·5	N. W.	2·0	N. N. W.	3·0
	29	N. W.	1·5	N. W.	0·2	N. W.	0·5	N. W.	0·2	N. W.	0·5	N. W.	0·1
	30	S.	0·2	S. by W.	0·2	S.	0·2	S. by W.	0·2	—	0·0	—	0·0
	31	S. S. E.	0·5	S. S. E.	0·2	S. W.	0·2	—	0·0	—	0·0	—	0·0

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
W.	1·0	W. N. W.	2·0	W. N. W.	2·5	W.	1·0	N. W.	0·2	N. by W.	0·5	1	MAY.
W. by S.	2·0	W.	2·0	W. S. W.	2·5	S. W. by W.	2·0	W.	2·5	W.	2·0	2	
S.	1·0	S. S. W.	1·0	S. S. W.	2·5	S. W. by S.	2·0	S. W. by S.	2·0	S. W.	1·0	3	
—	—	—	—	—	—	—	—	—	—	—	—	4	
S. S. W.	1·0	S. by W.	1·0	S.	1·5	S. by W.	1·0	S. S. W.	0·5	S.	1·0	5	
S. E. by S.	0·5	S. E. by S.	0·2	S. E.	0·5	E. S. E.	0·2	E. S. E.	0·2	E.	0·2	6	
N. W.	2·5	N. W.	2·5	N. W.	2·0	N. W.	2·0	N. W.	2·0	N. W.	2·5	7	
S. by W.	0·5	S. by E.	0·5	S. E. by S.	0·5	S. by E.	0·5	S.	0·5	S.	0·5	8	
S. E.	0·5	S.	0·5	S. S. E.	0·5	S. S. E.	0·5	S. S. E.	0·5	S. E. by E.	0·2	9	
E. S. E.	0·5	E. S. E.	0·5	E. S. E.	0·5	S. E. by E.	0·5	E. by S.	0·5	—	0·0	10	
—	—	—	—	—	—	—	—	—	—	—	—	11	
S.	0·2	S.	0·2	S.	0·2	—	0·0	—	0·0	—	0·0	12	
S. S. E.	0·2	—	0·0	E. by S.	0·2	E. by S.	0·2	E. S. E.	0·2	E.	0·2	13	
N. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	N. N. E.	0·2	14	
N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	2·0	N. W.	2·0	N. N. W.	2.5	15	
S. by W.	0·2	S. by W.	0·5	S. W.	0·2	S. by W.	0·2	S. S. W.	0·2	S. S. W.	0·2	16	
S. by E.	0·2	—	0·0	—	0·0	S.	0·2	S.	0·2	—	0·0	17	
—	—	—	—	—	—	—	—	—	—	—	—	18	
S.	0·5	S. by E.	0·5	S. W.	2·0	S. by E.	2·5	S. W. by S.	2·0	S. W.	1·0	19	
S.	0·5	S. by W.	0·5	S.	0·2	S.	0·2	—	0·0	S.	0·2	20	
S.	0·5	S.	0·5	S.	0·5	S. by E.	0·2	S. by E.	0·2	S. S. E.	0·2	21	
N. W.	0·2	N. by W.	0·2	N.	0·2	N. by E.	0·2	N. E. by E.	0·2	—	0·0	22	
S. W. by S.	0·2	S.	0·5	S. by W.	0·5	S.	0·5	S.	0·2	S. W.	0·2	23	
N. W.	1·0	N. W.	1 5	N. N. W.	3·0	N. N. W.	2·5	N. N. W.	2.0	N. N. W.	2·5	24	
—	—	—	—	—	—	—	—	—	—	—	—	25	
W.	2·5	W. N. W.	2·5	W.	3·5	W.	4·0	W. N. W.	4·0	W. N. W.	3·5	26	
S.	0·5	S. by E.	1·0	S. by W.	0·5	S.	1·5	S.	2·0	S. W. by W.	0·5	27	
S. S. W.	1·5	S. W.	0·5	S. S. W.	0·2	S. W.	0·5	W. S. W.	0·5	W. S. W.	0·2	28	
N. W.	0·5	N. N. W.	1·0	N. N. W.	2·0	N. W.	2·5	N. W.	2·0	N. W.	2·0	29	
S.	0·5	S.	1·0	S.	1·0	S.	0·5	S.	0·2	S.	0·2	30	
S.	0·2	S.	0·2	S.	0·2	S.	0·2	S. S. E.	0·5	S. S. E.	0·5	31	

18h.		19h.		20h.		21h.		22h.		23h.			
W. by S.	0·2	W. S. W.	0·2	W. by S.	0·2	W. N. W.	3·0	N. W. by W.	1·0	W. N. W.	0·2	1	MAY.
S. W. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	2	
—	—	—	—	—	—	—	—	—	—	—	—	3	
N. W. by W.	0·2	N. W. by N.	1·0	N. W.	2·0	W. N. W.	1·0	N. W.	0·5	—	0·0	4	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	5	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. N. W.	0·5	6	
N. W. by N.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	8	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	E. N. E.	0·2	9	
—	—	—	—	—	—	—	—	—	—	—	—	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0.0	11	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. N. E.	0·2	12	
—	0·0	S. by W.	0·2	E. by N.	0·2	—	0·0	E. by N.	0·2	—	0·0	13	
N. by E.	2·0	N. N. W.	1·0	N. by W.	2·0	N. by W.	2·5	N. by E.	2·5	N. N. W.	1·0	14	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	15	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	16	
—	—	—	—	—	—	—	—	—	—	—	—	17	
W. N. W.	0·2	W. N. W.	0·2	W. N. W.	0·2	N. W. by W.	0·2	W. N. W.	0·2	—	0·0	18	
N. W.	0·5	N. W.	0·2	W. by N.	0·5	W. by S.	0·2	W. N. W.	0·2	—	0·0	19	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	20	
N. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. W. by W.	0·2	22	
N. by W.	1·0	N. by W.	2·0	N. N. E.	1·0	N.	0·5	N.	0·2	N. N. W.	0·2	23	
—	—	—	—	—	—	—	—	—	—	—	—	24	
—	0·0	W. S. W.	0·2	—	0·0	—	0·0	W. S. W.	0·2	W. S. W.	0·2	25	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	26	
—	0·0	—	0·0	—	—	—	0·0	—	0·0	—	0·0	27	
N. N. W.	1·5	N. W. by N.	1·5	N. N. W.	2·0	N. N. W.	1·0	N. W. by N.	1·0	N. N. W.	1·0	28	
N. W. by N.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·2	N. N. W.	0·2	—	0·0	29	
—	0·0	N. N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	30	
—	—	—	—	—	—	—	—	—	—	—	—	31	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
JUNE.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	3	—	0·0	—	0·0	—	0·0	S. S. W.	0·2	S. S. W.	0·2	S. W. by S.	0·5
	4	—	0·0	N. N. E	0·2	E. S. E.	0·2	E. by N.	0·2	S.	0·2	S. by W.	0·2
	5	W. N. W.	1·5	W.	1·0	W. by N.	1·5	W. N. W.	2·0	N. W.	2·0	N. W.	2·0
	6	—	0·0	—	0·0	—	0·0	—	0·0	S. by W.	0·2	—	0·0
	7	—	0·0	E. S. E.	0·2	—	0·0	N. E. by N.	0·5	N. E.	0·5	E.	0·5
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	—	0·0	S. W. by W.	1·0	W. S. W.	1·0	S. W. byW.	1·0	W.	1·5	W.	2·0
	10	—	0·0	N. W.	0·2	S.	0·2	S. by W.	0·5	S. S. W.	0·2	S. by W.	0·2
	11	N.	0·2	—	0·0	N. by W.	0·2	—	0·0	N. N. E.	0·2	E. by S.	0·2
	12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. by W.	0·2
	13	—	0·0	W.	0·2	W.	0·2	W. by S.	0·2	S. by W.	0·2	—	0·0
	14	—	0·0	—	0·0	N.W. by W.	0·5	N. N. W.	0·5	S. by W.	0·5	S. by W.	0·5
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	W. by N.	0·2	W. by N.	0·2	S. by W.	0·5	S. by W.	0·5	S.	0·5	S. by W.	0·2
	17	—	0·0	W.	0·5	W.	2·0	W. N. W.	3·0	W.	1·0	N. W.	1·0
	18	—	0·0	—	0·0	—	0·0	S. by W.	0·2	S. by W.	0·2	S. S. W.	0·2
	19	—	0·0	—	0·0	S. W.	0·2	S. W. by S.	0·2	S. W. by S.	0·2	S. W. by S.	0·2
	20	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2	S.	0·2
	21	N.	0·2	N. by W.	0·2	N. N. W.	0·2	N. N. W.	0·5	N. N. W.	0·5	N. by W.	0·2
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	—	0·0	—	0·0	—	0·0	—	0·0	S. by W.	0·2	S. S. W.	0·5
	24	—	0·0	—	0·0	S. S. W.	0·2	S. by W.	0·2	S. S. W.	0·2	S.	0·2
	25	—	0·0	N. E.	0·2	E.	0·2	E.	0·2	E.	0·2	S. by E.	0·2
	26	W.	0·2	W.	0·2	W.	0·2	S. W.	0·2	S. W.	0·2	S. by W.	0·2
	27	—	0·0	—	0·0	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2
	28	N. W.	0·2	—	0·0	—	0·0	—	0·0	E. N. E.	0·2	—	0·0
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	N. by W.	0·2	N. by W.	0·2	N. N. E.	0·5	N. E.	0·5	E. N. E.	0·5	N. E. by E.	1·0

		12h.		13h.		14h.		15h.		16h.		17h.	
JUNE.	1	—	—	—	—	—	—	—	—	—	—	—	—
	2	S. S. W.	0·2	S. S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	4	E. by N.	0·5	E. by S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	5	—	0·0	—	0·0	—	0·0	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2
	6	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	7	E. by S.	0·2	E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	8	—	—	—	—	—	—	—	—	—	—	—	—
	9	S. S. W.	0·5	S. S. W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0
	10	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	11	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	12	S. W.	0·5	W. by S.	0·2	W. by S.	0·2	—	0·0	—	0·0	W. S. W.	0·2
	13	N. by E.	0·2	N. by E.	0·2	N.	0·2	—	0·0	—	0·0	—	0·0
	14	N. W.	1·0	N. W.	0·5	N. W.	0·2	—	0·0	—	0·0	—	0·0
	15	—	—	—	—	—	—	—	—	—	—	—	—
	16	S. W.	0·2	—	0·0	—	0·0	W. N. W.	1·5	N. W. by N.	1·5	N. N. W.	1·0
	17	W. N. W.	0·5	W.	0·2	—	0·0	W.	0·2	W.	0·2	W.	0·2
	18	S. W. by S.	0·2	W. S. W.	0·2	W. by S.	0·2	W.	0·2	—	0·0	—	0·0
	19	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	20	S. S. W.	0·5	S. S. W.	0·2	S. S. W.	0·2	—	0·0	W. S. W.	0·2	—	0·0
	21	N. N. W.	0·2	N. by W.	0·2	N. by W.	0·2	—	0·0	—	0·0	—	0·0
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	W. by N.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	24	N. by W.	0·2	N. by W.	0·2	N. N. W.	0·5	N. by W.	0·5	N. N. W.	0·2	N. N. W.	0·2
	25	N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	26	W. N. W.	0·2	N. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	27	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	28	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	29	—	—	—	—	—	—	—	—	—	—	—	—
	30	E. by S.	0·5	E. by S.	0·2	E.	0·2	—	0·0	—	0·0	—	0·0

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
—	—	—	—	—	—	—	—	—	—	—	—	1	JUNE.
E.	0·0	E.	0·2	E.	0·2	S. S. E.	0·2	S. S. W.	0·2	S. S. W.	0·2	2	
S by W.	0·5	S.	1·0	S.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·2	3	
S. S. E.	0·2	E.	0·2	E.	0·2	E.	0·2	E. S. E.	0·2	E.	0·5	4	
N. W.	0·5	W. by N.	0·5	N. W. by N.	0·5	N. by W.	0·2	S. E.	0·2	S. E. by E.	0·2	5	
—	0·0	S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	6	
E. by S.	1·0	E. by S.	1·0	E. by S.	0·5	E.	0·5	E.	0·5	E. S. E.	0·2	7	
—	—	—	—	—	—	—	—	—	—	—	—	8	
W.	2·0	W. by N.	2·0	W.	2·5	W.	1·5	W. by S.	2·0	W. by S.	1·0	9	
S E. by S.	0·2	—	0·0	S. S. E.	0·2	S.	0·2	S.	0·2	—	0·0	10	
E. by S.	0·2	S. S. E.	0·2	S.	0·2	S.	0·2	—	0·0	—	0·0	11	
—	0·0	—	0·0	—	0·0	N. W. by W.	1·5	W by S.	1·0	S. W.	0·5	12	
S. by E.	0·2	S. by E.	0·2	S. by E.	0·2	S. by E.	0·2	S. by E.	0·2	W.	0·2	13	
W. N. W.	1·5	W. N. W.	2·5	W. by N.	2·0	N. N. W.	1·5	W. N. W.	1·5	W. N. W.	1·5	14	
—	—	—	—	—	—	—	—	—	—	—	—	15	
W.	0·5	W. by N.	0·5	S. W.	0·2	W	0·2	W.	0·2	S. S. W.	0·5	16	
W. by N.	1·0	W. N. W.	1·5	N. W.	1·5	W.	1·5	W.	1·0	W. by N.	2·0	17	
S.	0·2	S. by W.	0·5	S.	0·5	S. by W.	0·5	S. by W.	0–2	S. by W.	0·2	18	
S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. by W.	0·2	—	0·0	—	0·0	19	
S. S. W.	0·5	S. S. W.	0·5	S. S. W.	1·5	S. S. W.	1·5	S. S. W.	1·5	S. S. W.	1·0	20	
N. N. W.	0·2	N. W.	0·5	N. W.	0·2	N. by W.	0·2	N. by W.	0·2	N.	0·5	21	
—	—	—	—	—	—	—	—	—	—	—	—	22	
S. S. W.	0·5	W. by N.	0·5	W. by N.	0·5	N. W.	1·0	W. by N.	0·5	W. by S.	1·0	23	
S. S. E.	0·2	S. by W.	0·5	W. N. W.	0·5	N.	0·5	N.	0·2	S.	0·2	24	
S. by E.	0·2	S. by E.	0·2	S. S. W.	0·5	S. S. W.	0·2	S. S. W.	0·2	N.	0·2	25	
S. by W.	0·2	S. by E.	0·2	S. by E.	0·2	S. by E.	0·2	S. by E.	0·2	—	0·0	26	
S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	S.	0·2	—	0·0	—	0·0	27	
—	0·0	—	0·0	E. N. E.	0·2	N. by E.	0·2	—	0·0	—	0·0	28	
—	—	—	—	—	—	—	—	—	—	—	—	29	
E.	1·0	E.	1·0	E.	1·0	E.	0·5	E.	0·5	E. S. E.	0·5	30	

18h.		19h.		20h.		21h.		22h.		23h.			
—	—	—	—	—	—	—	—	—	—	—	—	1	JUNE.
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	2	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	3	
S. W.	0·2	S. W.	0·2	S. W.	0.2	W. by N.	0·2	W. N. W.	2·0	W.	1·5	4	
—	0·0	—	0·0	N. W.	0·2	W.	0·2	—	0·0	—	0·0	5	
—	0·0	—	0·0	—	0·0	—	0 0	—	0·0	—	0·0	6	
—	—	—	—	—	—	—	—	—	—	—	—	7	
W. by S.	0·5	W. by N.	0·5	W. by N.	0·5	W.	0·2	W.	0·2	—	0·0	8	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	9	
—	0·0	N. N. W.	2·5	N.	2·5	N. N. W.	0·5	N. N. W.	0·2	N. by E.	0·2	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2	11	
W.	0·2	—	0·0	W.	0·2	—	0·0	—	0·0	—	0·0	12	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	13	
—	—	—	—	—	—	—	—	—	—	—	—	14	
W.	0·2	W.	1·0	W. by N.	0·5	W.	0·2	W.	0·2	W. by N.	0·2	15	
W. N. W.	1·0	W. S. W.	0·5	W. S. W.	0·2	W. by S.	0·2	—	0·0	—	0·0	16	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	17	
N. W. by N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	18	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. by E.	0·2	20	
—	—	—	—	—	—	—	—	—	—	—	—	21	
N.	0·2	N.	0·2	N.	0·2	—	0·0	—	0·0	—	0·0	22	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	23	
N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·5	—	0·0	—	0·0	—	0·0	24	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	W. by N.	0·2	25	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	26	
—	0·0	—	0·0	E.	0·2	E. N. E.	0·2	E. N. E.	0·2	N. N.	0·2	27	
—	—	—	—	—	—	—	—	—	—	—	—	28	
N. N. E.	0·2	—	0·0	—	0·0	N.	0·2	—	0·0	N	0·2	29	
N. by E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	-	0·0	30	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
JULY.	1	—	0·0	E.	0·2	E. S. E.	0·5	S. E.	0·5	S. E. by E.	0·5	S. by E.	0·5
	2	N. W.	0·5	N. W. by W.	0·5	W.	0·5	S. W.	0·5	S. W.	0·5	S.	0·5
	3	N. N. W.	0·2	N. W.	0·5	N. W. by W.	0·5	N. W.	0·2	W.	0·2	S.	0·5
	4	N. W.	0·5	N. W.	0·5	N. N. W.	0·5	N. W.	0·2	N. N. W.	0·2	N. W.	0·2
	5	—	0·0	—	0·0	—	0·0	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	S. W.	0·2	S. W.	0·2	W. by N.	0·5	W.	0·2	W.	1·0	W.	2·0
	8	—	0·0	—	0·0	—	0·0	S. W by S.	0·2	S. W. by S.	0·2	S. S. W.	0·2
	9	N. N. E.	0·2	N. E. by N.	0·2	E.	0·5	E.	0·5	E.	0·5	E.	0·5
	10	—	0·0	—	0·0	—	0·0	—	0·0	E.	0·2	E. S. E.	0·2
	11	—	0·0	—	0·0	—	0·0	—	0·0	S. S. W.	0·2	S. S. W.	0·2
	12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. W.	0·2
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	—	0·0	—	0·0	—	0·0	W. by S.	0·2	S. S. W.	0·2	S. S. W.	0·2
	15	—	0·0	—	0·0	—	0·0	—	0·0	W	0·2	S. S. W.	0·5
	16	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	17	S. S. W.	0·2	S. S. W.	0·2	W.	0·5	W. by S.	2·0	W.	1·5	W.	1·5
	18	—	0·0	—	0·0	N. W. by W.	0·2	N. by W.	0·5	N. W. by N.	1·0	N. N. W.	2·0
	19	—	0·0	E. by N.	0·2	—	0·0	E. N. E.	0·2	N. E.	0·5	N. E.	0·5
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	—	0·0	—	0·0	—	0·0	S. by W.	0·2	S. by E.	0·2	S. E. by S.	0·2
	22	W.	0·5	W. N. W.	0·2	W. N. W.	0·2	W. N. W.	1·0	N. W. by W.	0·5	W. by N.	1·5
	23	N. N. W.	0·2	N. W.	0·5	N. N. W.	0·5	N. W. by N.	1·0	N. W. by W.	2·0	N. W. by W.	2·0
	24	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N.	0·5
	25	—	0·0	—	0·0	—	0·0	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2
	26	—	0·0	—	0·0	—	0·0	S. E.	0·2	—	0·0	—	0·0
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	—	0·0	N. W. by N.	0·2	N. W. by N.	0·5	N. N. W.	1·0	N. N. W.	1·0	N. W.	1·0
	29	—	0·0	—	0·0	—	0·0	E. by N.	0·5	E.	0·5	E.	0·5
	30	N. W.	1·0	N. N. W.	1·0	N. W.	1·0	N. N. W.	1·0	N. N. W.	0·5	N. N. W.	0·2
	31	—	0·0	—	0·0	—	0·0	S. by E.	0·2	S.	0·2	S. by W.	0·5

		12h.		13h.		14h.		15h.		16h.		17h.	
JULY.	1	S. E.	0·2	S. E.	0·5	E. S. E.	0·5	—	0·0	—	0·0	—	0·0
	2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	3	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. W. by N.	0·2	—	0·0
	4	—	0·0	—	0·0	—	0·0	N. by W.	0·2	—	0·0	—	0·0
	5	S. S. W.	1·0	S. W.	0·5	S. W.	0·5	—	0·0	—	0·0	—	0·0
	6	—	—	—	—	—	—	—	—	—	—	—	—
	7	N. N. W.	0·2	N. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	8	N.	1·0	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·5	N. by W.	0·5	N.	0·5
	9	—	0·0	—	0·0	—	0·0	N. E. by N.	0·2	—	0·0	—	0·0
	10	—	0·0	—	0·0	—	0·0	N. N. E.	0·2	N. N. E.	0·2	—	0·0
	11	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·5	—	0·0	—	0·0	—	0·0
	12	W.	0·5	W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	13	—	—	—	—	—	—	—	—	—	—	—	—
	14	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	15	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	16	W.	0·2	—	0·0	S.	0·0	S.	0·2	—	0·2	E.	0·2
	17	W.	1·0	W. N. W.	0·5	W. N. W.	0·5	—	0·0	N. N. W.	0·5	N. W. by N.	0·2
	18	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	19	E.	0·2	E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	20	—	—	—	—	—	—	—	—	—	—	—	—
	21	N. E.	0·5	—	0·0	—	0·0	—	0·0	N. W.	0·2	—	0·0
	22	N. W.	1·5	N. W.	1·5	N. W.	1·0	N. W.	0·5	N. W.	0·2	N. W.	0·2
	23	N. N. W.	1·5	—	0·0	—	0·0	N. W.	0·5	—	0·0	—	0·0
	24	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	25	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	26	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	27	—	—	—	—	—	—	—	—	—	—	—	—
	28	N. W. by N.	1·5	—	0·0	—	0·0	—	0·0	—	0·0	N. N. W.	0·2
	29	—	0·0	—	0·0	S. S. W.	0·2	—	0·0	S. W.	0·5	W. S. W.	0·2
	30	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·2	N. W.	0·2
	31	—	0·0	—	0·0	—	0·0	S. S. W.	0·2	—	0·0	—	0·0

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
E. by S.	0·5	E.	1·0	E.	1·0	E.	1·0	E.	0·5	S. E.	0·2	1	JULY.
S. by W.	0·5	S. S. W.	0·5	S. S. W.	0·2	S. by W.	0·2	S. W.	0·2	—	0·0	2	
S. by W.	0·5	S.	0·5	N. N. W.	0·2	N. N. W.	0·5	N. N. W.	0·2	N. N. W.	1·0	3	
S. W.	0·2	S.	0·5	S. S. W.	0·5	S. by W.	0·5	S. by W.	0·2	S.	0·2	4	
S. S. W.	0·5	S. by W.	0·5	S.	0·5	S.	0·2	S.	0·5	S. by W.	1·5	5	
—	—	—	—	—	—	—	—	—	—	—	—	6	
W. by N.	2·0	W. by N.	2·5	N. W.	2·5	N. W. by W.	2·0	N. W. by W.	1·5	N. W.	0·5	7	
S.	0·2	S. by W.	0·2	N. by W.	0·2	N. W. by N.	0·5	N.	0·5	N.	1·0	8	
S. E.	0·2	E. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	9	
S. E.	0·2	E. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	10	
S. by W.	0·2	S. S. W.	0·2	S. by W.	0·2	S. by W.	0·2	S.	0·2	S. S. W.	0·5	11	
W. S. W.	0·2	W. by S.	0·5	W. S. W.	0·5	W. S. W.	1·0	W.	2·0	W.	1·5	12	
—	—	—	—	—	—	—	—	—	—	—	—	13	
S. S. W.	0·2	S. S. W.	0·2	S. by W.	0·5	S. by W.	0·5	S. by W.	0·2	—	0·0	14	
S. S. W.	0·5	S. S. W.	0·2	S. S. W.	0·2	S. S. E.	0·2	S. S. E.	0·2	—	0·0	15	
—	0·0	E. S. E.	0·2	S. S. W.	0·5	S. by W.	0·5	—	0·0	—	0·0	16	
W.	1·5	W.	1·0	W. by N.	1·5	W.	2·0	W.	1·5	W.	1·0	17	
N. N. W.	2·0	S. by W.	1·0	S.	0·5	S. by W.	0·5	S. by W.	0·5	S. by E.	0·2	18	
N. E.	0·5	E. by S.	1·0	E. S. E.	0·5	E.	0·5	E.	0·5	E.	0·5	19	
—	—	—	—	—	—	—	—	—	—	—	—	20	
S. E.	0·2	S. E.	0·2	S. S. W.	1·0	S. S. W.	0·5	S. W.	0·2	S. W. by S.	0·2	21	
W. N. W.	1·5	W. N. W.	2·0	N. W.	2·0	N. W.	2·0	N. W.	2·0	N. W.	2·0	22	
N. N. W.	2·5	N. W. by N.	2·5	N. N. W.	2·5	N. W.	2·5	N. N. W.	1·5	N. N. W.	2·0	23	
N. N. W.	1·0	N. W.	1·0	N. N. W.	1·0	N.	1·0	N. N. W.	0·2	N. by E.	0·2	24	
S.	0·2	S. W. by S.	0·5	S. by W.	0·5	S. by W.	0·2	S. by W.	0·2	—	0·0	25	
—	0·0	S. S. E.	0·2	S. by E.	0·2	S. S. E.	0·2	S. E.	0·2	E. S. E.	0·2	26	
—	—	—	—	—	—	—	—	—	—	—	—	27	
N. W.	1·0	N. N. W.	2·0	N. W.	1·0	W. N. W.	1·5	N. by W.	1·0	N. W. by N.	1·5	28	
E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	W. N. W.	0·5	29	
N. W. by N.	0·2	N. N. W.	0·5	N. W.	1·5	N. W. by N.	1·5	N. W.	1·0	N. W. by N.	0·5	30	
S. by W.	0·5	S. S. W.	0·5	S. S. W.	0·5	S. by W.	0·5	S.	0·5	—	0·0	31	

18h.		19h.		20h.		21h.		22h.		23h.			
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1	JULY.
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. N. W.	0·2	2	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	3	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	4	
—	—	—	—	—	—	—	—	—	—	—	—	5	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. W. by W.	0·2	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
N. E. by E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	N. by E.	0·2	8	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	9	
N. by E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11	
—	—	—	—	—	—	—	—	—	—	—	—	12	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	13	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	14	
—	0·0	W. N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	15	
S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	W. S. W.	0·2	16	
N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	17	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	18	
—	—	—	—	—	—	—	—	—	—	—	—	19	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	20	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
—	0·0	—	0·0	—	0·0	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	22	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	23	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	24	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	25	
—	—	—	—	—	—	—	—	—	—	—	—	26	
N. W.	0·2	N. W.	0·2	N. W.	0·2	—	0·0	—	0·0	—	0·0	27	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28	
W. S. W.	0·2	—	0·0	W. S. W.	0·2	W.	0·2	W.	0·2	W. by N.	0·2	29	
N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. by W.	0·2	—	0·0	—	0·0	30	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	31	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
AUGUST.	1	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·5	S. by W.	0·5
	2	—	0·0	—	0·0	—	0·0	—	0·0	S. S. E.	0·2	S. S. E.	0·2
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	—	0·0	—	0·0	—	0·0	—	0·0	S. by W.	0·2	S. by W.	0·2
	5	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2
	6	—	0·0	—	0·0	—	0·0	E. S. E.	0·2	S. E.	0·2	S. E. by S.	0·2
	7	—	0·0	—	0·0	E. S. E.	0·2	S. E. by S.	0·2	S. E.	0·2	S. E.	0·2
	8	N. W.	0·2	—	0·0	N. by E.	0·2	—	0·0	—	0·0	—	0·0
	9	—	0·0	—	0·0	—	0·0	S.	0·2	S. by W.	0·2	S. by E.	0·2
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	13	N. by W.	0·2	—	0·0	—	0·0	W. N. W.	0·2	W. N. W.	0·2	S. by W.	0·2
	12	—	0·0	—	0·0	—	0·0	S. S. E.	0·2	S.	0·2	S.	0·5
	14	—	0·0	—	0·0	N. by W.	0·2	N. by W.	0·2	S. by W.	0·5	S. by W.	0·2
	15	N. N. E.	0·2	—	0·0	E.	0·2	E.	0·2	E.	0·2	E. by N.	0·5
	16	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	—	0·0	—	0·0	—	0·0	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2
	19	N.	0·2	N. N. E.	0·2	E.	0·2	N. E.	0·2	E. N. E.	0·2	E. S. E.	0·2
	20	—	0·0	—	0·0	—	0·0	S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2
	21	—	0·0	—	0·0	—	0·0	S.	0·2	S.	0·2	S. by E.	0·2
	22	N. by W.	0·5	N. by E.	0·5	N.	0·5	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2
	23	—	0·0	—	0·0	—	0·0	S. S. E.	0·2	S. by E.	0·2	S. S. E.	0·2
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	—	0·0	—	0·0	N. by W.	0·2	N.	0·2	N. by W.	0·2	S. S. E.	0·2
	26	N. by W.	0·5	N.	0·5	N. by E.	0·5	N. E.	0·5	S. E.	0·5	S. E.	0·5
	27	N. by E.	0·2	N. W.	0·2	N. E.	0·2	N. E.	0·2	N. E.	0·2	N. E.	0·2
	28	N. E.	0·2	N. E. by E.	0·2	N. E.	0·5	E. by N.	1·5	E.	2·0	E.	2·5
	29	—	0·0	—	0·0	S. S. E.	0·2	S. by E.	0·2	S. S. E.	0·2	S. S. E.	0·2
	30	—	0·0	—	0·0	—	0·0	N. W.	0·2	N. W.	0·2	N. N. W.	0·2
	31	—	—	—	—	—	—	—	—	—	—	—	—

		12h.		13h.		14h.		15h.		16h.		17h.	
AUGUST.	1	S. W.	0·2	W. S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	2	—	0·0	—	0·0	—	0·0	N. E.	0·2	N. E.	0·2	N.	0·2
	3	—	—	—	—	—	—	—	—	—	—	—	—
	4	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	5	S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	6	E. S. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	8	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	9	S.	0·2	S.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	10	—	—	—	—	—	—	—	—	—	—	—	—
	11	N. by W.	0·5	N. N. W.	1·0	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5
	12	W. N. W.	0·2	W. N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	13	S. S. W.	1·0	S. W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0
	14	—	0·0	—	0·0	—	0·0	N. E.	0·2	N. E.	0·2	N. E.	0·2
	15	E.	0·5	E. N. E.	0·5	N. E.	0·2	—	0·0	N. N. E.	0·2	N. N. E.	0·2
	16	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	17	—	—	—	—	—	—	—	—	—	—	—	—
	18	—	0·0	N.	0·2	N. by W.	0·2	N.	0·5	N. by W.	0·2	—	0·0
	19	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	20	E. by S.	0·2	E.	0·2	—	0·0	—	0·0	N. E.	0·2	N. E.	0·2
	21	N.	0·2	N.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. by W.	0·2
	22	E. N. E.	0·2	—	0·0	—	0·0	N.	0·2	N.	0·2	—	0·0
	23	—	0·0	—	0·0	—	0·0	N. by W.	0·5	N. by W.	0·5	N. by W.	0·2
	24	—	—	—	—	—	—	—	—	—	—	—	—
	25	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	26	E. by S.	0·2	—	0·0	—	0·0	N. N. E.	0·2	N. by E.	0·2	N. by E.	0·2
	27	N. N. W.	0·2	N. by E	0·5	N. N. E.	0·2	—	0·0	—	0·0	N. N. E.	0·2
	28	E. by S.	0·5	E. by S.	0·5	E. by S.	0·5	E. S. E.	0·5	E. S. E.	0·5	E. S. E.	1·0
	29	S. by W.	0·2	—	0·0	S. by W.	0·2	N. W.	0·2	S. by W.	0·2	S. W.	2·0
	30	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5	N. N. W.	0·2	N. W by N.	0·2	N. N. W.	0·2
	31	—	—	—	—	—	—	—	—	—	—	—	—

DIRECTION AND FORCE OF THE WIND.

4h.		5h.		6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
ection.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
S.	0·5	S. by W.	0·5	S.S.W.	0·2	S. S. W.	0·2	S. by E.	0·2	S. by E.	0·5	S. S. W.	0·2	S. W.	0·2	1	AUGUST.
S. E.	0·2	S. S. E.	0·2	S.S.E.	0·2	S. by W.	0·2	S.	0·2	S. E. by S.	0·2	S. E. by S.	0·2	—	0·0	2	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	
by W.	0·2	S. by W.	0·2	S.S.W.	0·2	S. S. W.	0·5	S. S. W.	0·2	S. S. W.	0·2	S. by W.	0·2	S. S. W.	0·2	4	
—	0·0	S.	0·2	S. by W.	0·2	S. S. W.	0·5	S. E.	0·5	S. E.	0·5	E. S. E.	0·2	S. E.	0·2	5	
S. E.	0·2	S. E. by S.	0·2	S. by S. E.	0·2	S. E.	0·2	S. E. by E.	0·2	S. E.	0·2	E. S. E.	0·2	S. E.	0·2	6	
S. E.	0·2	S. E.	0·2	S.E.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	S. S. E.	0·2	7	
—	0·0	—	0·0	S.E.	0·2	S. E. by S.	0·2	S. by E.	0·2	S. E.	0·2	S. E. by S.	0·2	—	0·0	8	
by W.	0·2	S. by E.	0·2	S.	0·2	S.	0·2	S.	0·2	S.	0·2	S.	0·2	S.	0·2	9	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10	
—	0·0	—	0·0	S. S. W.	0·5	S. S. W.	0·2	S. E.	0·2	W. S. W.	0·2	W.	0·2	N. N. W.	0·2	11	
N. W.	0·2	S. by W.	0·2	S. by W.	0·5	S.	1·0	S. S. W.	0·5	W. N. W.	0·5	N. W.	1·5	W. N. W.	0·5	12	
S.	0·2	N.	0·5	S.S.E.	0·2	S.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	—	0·0	13	
by W.	0·5	S. by W.	0·2	S. by W.	0·5	S. by W.	0·5	S. by W.	0·5	S.	0·5	S.	0·5	—	0·0	14	
E.	0·2	E. by N.	0·5	E by S.	1·0	E. N. E.	0·5	E. N. E.	0·5	E.	0·5	E. N. E.	0·5	E.	0·5	15	
—	0·0	—	0·0	S.S.E.	0·2	S. S. E.	0·2	S. by E.	0·2	S. by E.	0·2	S. by E.	0·2	—	0·0	16	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17	
S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. by E.	0·2	S. W. by S.	0·2	S. by W.	0·2	S. E.	0·2	S. E.	0·2	18	
S. E.	0·2	E. S. E.	0·2	S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	19	
S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2	S. by E.	0·2	S. E.	0·2	E. by S.	0·5	E. by S.	0·2	E. S. E	0·2	20	
S.	0·2	S. by E.	0·2	S. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	N.	0·2	21	
N. by W.	0·2	N. by W.	0·2	S. E.	0·2	S. E.	0·2	S. by E.	0·2	S. by E.	0·2	E. S. E.	0·2	S. E. by E.	0·2	22	
S. by E.	0·2	S. S. E.	0·2	S.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2	—	0·0	23	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	24	
N. by W.	0·2	S. S. E.	0·2	S.	0·5	S. S. W.	0·2	S. by E.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	25	
S. E.	0·5	S. E.	0·5	S. E.	1·0	S. E.	0·0	S. E.	0·5	S. E.	0·2	S. E.	0·2	S. E.	0·2	26	
N. E.	0·2	N. E.	0·2	N. E.	0·2	N. E.	0·2	E. by S.	0·2	E. by S.	0·2	E. by N.	0·2	N. by W.	0·2	27	
E.	2·0	E.	2·5	E.	2·0	E.	0·5	E by S.	2·0	E. by S.	1·5	E. by S.	0·5	E.	1·0	28	
S. S. E.	0·2	S. S. E.	0·2	S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2	S. by E.	0·2	S. by W.	0·2	29	
N. W.	0·2	N. N. W.	0·2	N.W.	0·2	N. N. W.	0·2	N. by W.	0·2	N. by W.	0·2	N. N. W.	0·5	N. by W.	0·5	30	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31	

16h.		17h.		18h.		19h.		20h.		21h.		22h.		23h.			
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1	AUGUST.
N. E.	0·2	N.	0·2	—	—	—	—	—	—	—	—	—	—	—	—	2	
—	—	—	—	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	3	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	4	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	5	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. N. W.	0·2	N. W.	0·5	N. N. W.	0·5	7	
—	0·0	—	0·0	E. N. E.	0·2	N. N. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	8	
—	0·0	—	0·0	—	—	—	—	—	—	—	—	—	—	—	—	9	
—	—	—	—	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	10	
N. N. W.	0·5	N. N. W.	0·5	N.N.W.	0·5	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5	N. by W.	0·5	N.	0·2	11	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	12	
—	0·0	—	0·0	N.W by W.	0·5	N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	13	
N. E.	0·2	N. E.	0·2	N. E.	0·2	—	0·0	N. N. E.	0·2	N. N. E.	0·2	N. N. E.	0·2	—	0·0	14	
N. N. E.	0·2	N. N. E.	0·2	N.N.E.	0·2	N. N. E.	0·2	N.	0·2	N.	0·2	N.	0·2	—	0·0	15	
—	0·0	—	0·0	—	—	—	—	—	—	—	—	—	—	—	—	16	
—	—	—	—	S. by W.	0·2	S. W. by S.	0·2	S. E. by S.	0·2	—	0·0	—	0·0	—	0·0	17	
N. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	18	
—	0·0	—	0·0	—	0·0	N by E.	0·2	N. by E.	0·2	—	0·0	—	0·0	—	0·0	19	
N. E.	0·2	N. E.	0·2	N.E.	0·2	N. E.	0·2	N. E.	0·2	N. E.	0·2	—	0·0	—	0·0	20	
N. N. W.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·5	21	
N.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	22	
N. by W.	0·5	N. by W.	0·2	—	—	—	—	—	—	—	—	—	—	—	—	23	
—	—	—	—	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	24	
—	0·0	—	0·0	—	0·0	—	0·0	N. by W.	0·2	N. by W.	0·2	—	0·0	N. by W.	0·2	25	
N. by E.	0·2	N. by E.	0·2	—	0·0	—	0·0	—	0·0	N.	0·2	N. by E.	0·2	—	0·0	26	
—	0·0	N. N. E.	0·2	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N. N. E.	0·5	27	
E. S. E.	0·5	E. S. E.	0·5	S. E.	1·0	E. S. E.	0·5	E. S. E.	0·5	S. by E.	0·2	—	0·0	—	0·0	28	
S. by W.	0·2	S. W.	2·0	S. W.	2·0	S. W.	1·5	W. S. W.	0·5	—	0·0	—	0·0	—	0·0	29	
N. W. by N.	0·2	N. N. W.	0·2	—	—	—	—	—	—	—	—	—	—	—	—	30	
—	—	—	—	—	0·0	N. N. E.	0·2	N. by W.	0·2	N. N. E.	0·2	N. N. W.	0·2	N. N. W.	0·2	31	

DIRECTION AND FORCE OF THE WIND.

	Mean Göttingen Time.	0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
SEPTEMBER.	1	—	0·0	N. by E.	0·2	—	0·0	—	0·0	S. by E.	0·2	—	0·0
	2	—	0·0	—	0·0	W. S. W.	0·2	W. by N.	0·5	W.	0·2	N. W.	0·2
	3	—	0·0	—	0·0	W. by S.	0·2	W.	0·2	W.	0·5	W.	1·0
	4	—	0·0	—	0·0	—	0·0	N. W.	0·2	S. by W.	0·2	S. W.	0·2
	5	N. W.	1·0	N. W.	1·0	N. W.	1·0	N. W.	1·0	N. W.	1·5	W. N. W.	0·5
	6	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·2
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	—	0·0	N.	0·2	N.	0·2	E. S. E.	0·5	S. S. E.	0 2	E. S. E.	0·2
	9	—	0·0	N. by W.	0·5	E. N. E.	0·2	—	0·0	S. by W.	0·2	S. S. W.	0·2
	10	—	0·0	—	0·0	W.	0·5	W. by N.	1·0	W. by N.	1·5	W. N. W.	1·2
	11	W.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·2
	12	—	0·0	N. N. E.	0·2	N. E. by N.	0·2	E. N. E.	0·2	E.	0·2	E.	0·5
	13	E.	0·5	E.	0·5	E.	1·0	E.	1·0	E.	1·0	N. E.	1·0
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	S. W.	0·2	W.	0·2	W.	0·2	W.	0·2	W.	1·5	W.	1·5
	16	—	0·0	—	0·0	—	0·0	N.	0·2	N. N. E.	0·2	S. S. E.	0·2
	17	—	0 0	—	0·0	—	0·0	S. S. W.	0·2	S. S. E.	0·2	S. E.	0·2
	18	S. W. by W.	0·2	S. W. by W.	0·2	W. S. W.	0·2	—	0·0	W. S. W.	0·2	S. W.	0·2
	19	—	0·0	—	0·0	N. by W.	0·2	S. by W.	0·2	S. by W.	0·5	S. by W.	0 5
	20	—	0·0	—	0·0	—	0·0	—	0·0	E. N. E.	0·2	N. E.	0·2
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	0·0	—	0·0	—	0·0	—	0·0	S. by W.	0·2	S.	0·2
	23	E. S. E.	0·2	E. S. E.	0·2	E. S. E.	1·0	S. E. by E.	1·0	E. S. E.	1·0	E. by S.	1·5
	24	N. W.	0·2	N. W.	0·2	N. W. by N.	0·5	N. N. W.	0·5	N. N. W.	0 5	N. N. W.	1·0
	25	W. N. W.	0·2	W. by N.	0·2	W.	0·2	S. W. by W.	0·2	S. W. by W.	0·2	W. by S.	0·2
	26	—	0·0	S. S. W.	0·2	S. W. by S.	0·5	S. W. by S.	0·2	S. W.	0·2	S. S. W.	0·2
	27	—	0·0	—	0·0	—	0·0	E	0·2	E. S. E.	0·2	E. N. E.	0·2
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	—	0·0	—	0·0	S. S. W.	0·2	S.	0·2	S.	0.5	S. S. W.	0·2
	30	S. E.	0·5	S. S. E.	0·5	S. S. E.	0·5	S. S. E.	1·0	S. S. E.	0.5	S.	1·0

		12h.		13h.		14h.		15h.		16h.		17h.	
SEPTEMBER.	1	E. by S.	0·2	E. by N.	0·2	—	0·0	E.	0·2	E.	0·2	E.	0·2
	2	W. N. W.	0·2	W. N. W.	0·2	S. W.	0·2	—	0·0	—	0·0	—	0·0
	3	W. by N.	0·2	—	0·0	—	0·0	—	0·0	W. N. W.	0·2	W.	0·2
	4	N W.	2·0	N. W.	0·2	N. W.	0·2	N. W. by W.	0·5	—	0·0	—	0·0
	5	N. N. W.	0·5	N. N. W	0·5	N. W. by W.	0·2	—	0·0	—	0·0	—	0·0
	6	S.	0·2	S. W.	0·2	—	0·0	S.	0·2	S. by. W.	0·2	S. by W.	0·2
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	E. S. E.	0·2	E. S. E.	0·2	N. E.	0·2	—	0·0	N. N. E.	0·2	N. E.	0·2
	9	W.	0·5	W. by N.	0·2	W. N. W.	0·2	—	0·0	—	0·0	—	0·0
	10	W. N. W.	1·0	N. N. W.	0·2	—	0·0	—	0·0	W. by N.	0·2	W. by N.	0·2
	11	N. W. by N.	0 2	—	0·0	N. by W.	0·2	—	0·0	—	0·0	—	0·0
	12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	13	S. by E.	3·0	S. by E.	3·0	S. by E.	3·0	S by W.	1·0	—	0·0	S. W.	0·5
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	W. N. W.	0·5	—	0·0	W. N. W.	0·5	—	0·0	—	0·0	W. N. W.	0·2
	16	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	16	S. W. by S.	0 2	S. W.	0·2	S. W.	0·2	S. W. by S.	0 2	S. W. by S.	0·2	S. W.	0·2
	18	N. W. by W.	1·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	19	—	0·0	—	0·0	—	0·0	—	0·0	—	0 0	—	0·0
	20	N. N. W.	0·5	N. W.	1·0	W. N. W.	0·2	W. N. W.	0·2	W. N. W.	0·2	W. N. W.	0·5
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	0·0	—	0·0	S. by E.	0·2	S. by E.	0·2	S.	0·2	—	0·0
	23	S. W. by W.	0·5	S. W.	0·5	S. W. by S.	0·5	S. S. W.	0·2	—	0·0	—	0·0
	24	N. W.	0·2	W. N. W.	0·2	W. N. W.	0·2	W. N. W.	0·2	W. N. W.	0·2	W. by N.	0·2
	25	W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	26	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	27	E.	0·2	N. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	S. by E.	0·2	S. S. E.	0·5	S. E. by S.	0·5	S. E. by S.	0·5	S. S. E.	0·5	S. by E.	1·0
	30	S. W. by S.	0·5	S. by W.	0·5	S. by W.	0·5	S. by W.	0·2	S. S. W.	0·2	S. W.	0·2

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
S.S.E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	E. by S.	0·2	1	SEPTEMBER.
N.N.W.	0·2	N. by W.	0·2	S.	0·2	S.	0·2	—	0·0	W.	0·2	2	
W.	1·5	W.	1·5	W. by S.	1·5	W.N.W.	1·0	W.N.W.	1·5	W. by N.	1·5	3	
W.N.W.	0·2	N. W.	1·5	N. W.	2·5	N. W.	2·5	N. W.	2·5	N. W.	0·2	4	
W.N.W.	0·5	W.N.W.	0·2	N.W.	0·2	N. W.	0·5	N. W.	3·0	N.N.W.	3·5	5	
S.	0·2	S. by W.	0·2	S. by W.	0·5	—	0·0	—	0·0	S.	0·2	6	
—	—	—	—	—	—	—	—	—	—	—	—	7	
S.E.	0·2	S. E.	0·2	S. E.	0·2	S. E.	0·2	S.E.	0·2	E. S. E.	0·2	8	
W.	0·5	W. N. W.	2·0	W.	1·0	W.	1·5	W.	1·0	N.W. by W.	1·5	9	
N.W.	3·0	W. by N.	1·0	W. N. W.	2·0	N. W.	2·5	N.W.	2·5	W. N. W.	1·5	10	
N.N.W.	0·2	—	0·0	S.	0·2	S.	0·2	S.	0·2	N. by W.	0·5	11	
E.	0·2	E.	0·2	E.	0·2	E.	0·2	E.	0·2	E.	0·2	12	
N. E.	0·5	N. E.	1·0	E. N. E.	1·0	E.	0·5	E. by S.	0·5	S E.	2·5	13	
—	—	—	—	—	—	—	—	—	—	—	—	14	
N.N.W.	2·0	W. N. W.	2·0	W. N. W.	2·0	W. N W.	1·5	W. N. W.	2·0	N. W.	1·5	15	
S.S.E.	0·2	S. by W.	0·5	S. by W.	0·5	S. by W.	0·5	S. by W.	0·2	—	0·0	16	
E.S.E.	0·2	E. S. E.	0·2	E. by S.	0·2	E.	0·2	E.	0·2	E. by S.	0·2	17	
S.W.	0·2	S. W. by W.	0·2	W. by N.	1·0	N. W.	2·0	N.W.	2·5	N.W. by W.	1·5	18	
S.	0·5	S.	0·2	S. E.	0·2	S. E. by S.	0·2	S. S. E.	0·2	S. S. E.	0·2	19	
—	0·0	S. W.	0·2	—	0·0	W. S. W.	0·2	S. W.	0·2	S. W. by W.	0·2	20	
—	—	—	—	—	—	—	—	—	—	—	—	21	
S.	0·2	S.	0·2	S. by E.	0·2	S. S. E.	0·2	S. S. E.	0·2	—	0·0	22	
E. by S.	1·5	E.	0·5	S. S. E.	0·2	S. S. E.	0·2	S. S. E.	0·2	S.	0·5	23	
N.W.	1·0	N. N. W.	1·0	N. W. by N.	0·5	N. W.	0·5	N. W.	0·2	N. W.	0·2	24	
W.	0·5	W.	1·0	N. by W.	1·0	W. N. W.	1·0	S. W. by W.	0·2	W.	0·2	25	
S.W.	0·2	S. S. W.	0·2	S. by W.	0·2	S. by W.	0·2	S. by W.	0·2	—	0·0	26	
E. by S.	0·2	S. E.	0·5	E. by N.	0·5	E.	0·5	E.	0·2	E.	0·2	27	
—	—	—	—	—	—	—	—	—	—	—	—	28	
S. by W.	0·2	S. by W.	0·2	S.	0·2	S. by W.	0·2	S. by W.	0·2	S. by E.	0.2	29	
S. by W.	1·0	S. by W.	0·5	S. by W.	0·5	S.	0·5	S.	1·5	S.	1·5	30	

18h.		19h.		20h.		21h.		22h.		23h.			
E.	0·2	E.	0·2	—	—	—	—	—	—	—	—	1	SEPTEMBER.
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	2	
—	0·0	S. S. W.	0·2	—	0·0	—	0.0	—	0·0	—	0·0	3	
—	0·0	N. W.	0·5	N. W.	1·5	N. W.	1·5	N. W.	1·5	N. W.	1·0	4	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. W.	0·2	5	
—	—	—	—	—	—	—	—	—	—	—	—	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
E. by N.	0·2	S. S. E.	0·5	S. S. E.	0·2	—	0·0	—	0·0	—	0·0	8	
—	0·0	—	0·0	S. by W.	0·2	S. by W.	0·2	—	0·0	—	0·0	9	
W. N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	W. by N.	0·2	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11	
E.	0·5	E.	0·5	E.	0·5	E.	1·0	E.	0·5	E.	0·5	12	
—	—	—	—	—	—	—	—	—	—	—	—	13	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. W.	0·2	14	
W. N. W.	0·2	N. W.	0·2	N. W.	0·2	—	0·0	—	0·0	—	0·0	15	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	16	
—	0·0	S. W.	0·2	S. W.	0·2	S. W.	0·5	—	0·0	—	0·0	17	
W. N. W.	0·2	W. N. W.	0·2	N. W.	0·2	—	0·0	N. W.	0·2	—	0·0	18	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
—	—	—	—	—	—	—	—	—	—	—	—	20	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	W. N. W.	0·2	22	
—	0·0	N. by W.	0·2	N. by W.	0·2	N. N. W.	0·2	N.N.W.	0·2	—	0·0	23	
W. by N.	0·2	—	0·0	W. N. W.	0·2	W. N. W.	0·2	W.N.W.	0·2	W. N. W.	0·2	24	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	25	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	26	
—	—	—	—	—	—	—	—	—	—	—	—	27	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28	
S.W. by S.	0·5	S.	1·5	S.	1·5	S.	1·0	S.	1·0	S. S. E.	1·0	29	
S.W.	0·5	S. W.	0·5	S.W.	0·2	S. W.	0·2	S. W.	0·5	S. W.	0·5	30	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
OCTOBER.	1	S. W.	0·5	S. W.	0·5	S. W. by S.	0·2	S. S. W.	0·5	W. S. W.	1·5	W. S. W.	1·5
	2	—	0·0	S. W.	0·5	S. W. by W.	0·2	—	0·0	S. S. W.	0·5	S. S. W.	0·5
	3	N. N. W.	0·5	N. N. W.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2
	4	N. N. E.	0·2	N. N. E.	0·2	N. N. E.	0·2	N. E.	0·2	N. E. by N.	0·2	N. by E.	0·2
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	—	0·0	N. by E.	0·2	N. by E.	0·2	E. N. E.	0·2	E. N. E.	0·2	S. E.	0·2
	7	—	0·0	—	0·0	—	0·0	S. E. by S.	0·2	S. E. by S.	0·2	—	0·0
	8	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	9	S. W. by W.	1·0	—	0·0	—	0·0	W. S. W.	1·5	W. by N.	1·0	N. W.	1·5
	10	N. E. by E.	0·2	E. N. E.	0·2	E. S. E.	0·5	E.	1·0	E.	1·5	E.	1·0
	11	—	0·0	N. N. W.	0·5	N. N. W.	0·2	N. W.	0·2	—	0·0	N. by W.	0·2
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	—	0·0	—	0·0	W. by S.	0·2	W. by S.	0·2	W. by S.	0·2	S. S. W.	0·5
	14	W.	2·5	W. N. W.	0·5	—	0·0	W. S. W.	0·2	W. S. W.	0·2	W.	0·2
	15	—	0·0	—	0·0	—	0·0	W. by N.	0·2	W. N. W.	0·2	W. N. W.	0·2
	16	W. by N.	0·2	W. by N.	0·2	W. by N.	0·2	W. S. W.	0·5	W. by S.	0·2	S. W. by W.	0·5
	17	—	0·0	—	0·0	W. N. W.	0·2	W. by S.	0·2	S.	0·2	S. W.	0·2
	18	—	0·0	—	0·0	—	0·0	S. W. by S.	0·2	—	0·0	S.	0·2
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	21	—	0·0	—	0·0	—	0·0	N. W.	0·5	N. N. W.	0·5	N. N. W.	0·5
	22	—	0·0	—	0·0	—	0·0	S. W.	0·2	S. S. W.	0·2	S. by E.	0·2
	23	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	24	—	0·0	—	0·0	—	0·0	—	0·0	S. W. by S.	0·2	W. by N.	0·2
	25	N. E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	—	0·0	—	0·0	—	0·0	S. S. W.	0·2	S. S. W.	0·2	S. S. W.	0·2
	28	—	0·0	—	0·0	—	0·0	S. W.	0·2	—	0·0	—	0·0
	29	—	0·0	—	0·0	—	0·0	S. W.	0·2	S. W.	0·2	S. W.	0·2
	30	—	0·0	—	0·0	N. W.	0·2	N. W. by N.	0·2	N. by W.	0·2	N. by W.	0·2
	31	E. N. E.	0·5	E. N. E.	0·2	E.	0·2	E. by S.	0·2	E. by S.	0·2	S. E.	0·2

		12h.		13h.		14h.		15h.		16h.		17h.	
OCTOBER.	1	W. by N.	0·5	W.	0·5	W.	0·5	—	0·0	—	0·0	—	0·0
	2	S. S. W.	1·0	S. W. by S.	0·5	S. W.	0·2	—	0·0	—	0·0	—	0·0
	3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	4	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	5	—	—	—	—	—	—	—	—	—	—	—	—
	6	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	7	S. E.	0·2	—	0·0	S. S. W.	0·2	—	0·0	—	0·0	—	0·0
	8	E.	0·5	E.	1·0	E.	0·5	E.	1·0	E.	0·2	E.	0·2
	9	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	10	E.	1·5	E. N. E.	1·0	E. N. E.	1·0	E.	0·5	E.	0·2	—	0·0
	11	—	0·0	—	0·0	—	0·0	N. N. E.	0·5	N. N. E.	0·5	N.	0·5
	12	—	—	—	—	—	—	—	—	—	—	—	—
	13	S.	1·5	S.	1·0	S.	1·0	S.	1·5	S. S. W.	2·0	S. S. W.	2·5
	14	W.	0·2	W.	0·2	W.	0·2	W. by S.	0·2	W.	0·2	W.	0·2
	15	N. W.	0·2	W. N. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	16	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	17	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	18	S. S. W.	0·5	S. S. W.	0·5	S. S. W.	0·2	—	0·0	—	0·0	—	0·0
	19	—	—	—	—	—	—	—	—	—	—	—	—
	20	N. W. by N.	2·5	N. W. by W.	1·5	N. W.	1·0	W. N. W.	0·5	N. W.	0·2	—	0·0
	21	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	22	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	23	—	0·0	—	0·0	—	0·0	S. W.	0·2	—	0·0	—	0·0
	24	—	0·0	—	0·0	—	0·0	N. W.	0·2	N. W.	0·2	N. W. by N.	0·2
	25	—	0·0	—	0 0	—	0·0	—	0·0	—	0·0	—	0·0
	26	—	—	—	—	—	—	—	—	—	—	—	—
	27	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	28	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	29	S. W.	0·5	S. W.	0·5	S. W.	0·2	—	0·0	—	0·0	W.	0·1
	30	E.	0·2	E.	0·2	E. by N.	0·2	E. N. E.	0·2	E. N. E.	0·2	E. N. E.	0·1
	31	S. W.	0·2	S. W.	0·2	S. W. by S.	0·5	S. W.	0·2	S. W.	0·2	S. W.	0·1

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
W.S.W.	1·5	W. S. W.	2·5	S. W. by W.	2·0	W.	2·0	W. S. W.	1·5	W. S. W.	1·0	1	OCTOBER.
S.	0·5	S. by E.	0·5	S. S. E.	0·5	S.	0·5	S. S. W.	1·0	S. S. W.	1·0	2	
N. by W.	0·2	N. N. E.	0·2	—	0·0	S. E.	0·2	—	0·0	—	0·0	3	
N. E.	0·2	N. E.	0·2	E. by N.	0·2	E. by N.	0·2	E. by N.	0·2	—	0·0	4	
—	—	—	—	—	—	—	—	—	—	—	—	5	
E. S. E.	0·2	S. E.	0·2	S. E.	0·2	S. S. E.	0·2	—	0·0	—	0·0	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
E.	0·2	E. by N.	0·5	E.	0·5	E. by N.	0·5	E. by N.	0·5	E. by N.	0·5	8	
W. N. W.	1·5	N. W.	1·5	N.W. by W.	1·5	W. N. W.	0·5	N. W. by W.	0·2	—	0·0	9	
N. E. by E.	1·5	E.	1·5	E.	1·5	E.	1·0	E. N. E.	1·0	E. N. E.	2·0	10	
—	0·0	—	0·0	—	0·0	E.	0·2	—	0·0	—	0·0	11	
—	—	—	—	—	—	—	—	—	—	—	—	12	
S. S. W.	1·0	S. S. W.	0·5	S. S. E.	0·5	S. S. W.	1·5	S. by W.	2·5	S. S. W.	2·5	13	
W. S. W.	1·5	W.	2·0	W.	2·5	W.	1·5	W. by S.	1·0	W. by N.	1·0	14	
N. W.	0·2	N. N. W.	1·5	W. N. W.	1·0	N. W.	3·0	N. N. W.	1·0	W. N. W.	0·2	15	
S. S. W.	0·5	S. S. W.	0·2	S. S. W.	0·2	S. by W.	0·2	—	0·0	—	0·0	16	
S. by W.	0·2	S.	0·2	S. by W.	0·5	S. by W.	0·5	S. by W.	0·5	—	0·0	17	
S. by W.	0·2	S. by E.	0·2	S. S. W.	0·2	S.	0·2	S.	0·5	S. S. W.	0·5	18	
—	—	—	—	—	—	—	—	—	—	—	—	19	
E.	0·2	E. by S.	0·2	N. N. E.	0·2	N. N. W.	1·5	N. N. W.	1·0	N. N. W.	1·5	20	
W. N. W.	0·5	N. N. W.	0·5	N. N. W.	1·0	N. by W.	0·5	N. by W.	0·2	N. by W.	0·2	21	
S. by W.	0·2	S.	0·2	S.	0·2	S.	0·2	—	0·0	—	0·0	22	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	23	
S. by W.	0·2	—	0 0	—	0·0	—	0·0	—	0.0	—	0·0	24	
E. by S.	0·2	E. S. E.	0·2	E.	0·2	E.	0·2	E.	0·2	—	0·0	25	
—	—	—	—	—	—	—	—	—	—	—	—	26	
—	0·0	—	0·0	S. S. W.	0·2	S. W.	0·5	S. W.	0·5	—	0·0	27	
S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28	
S. S. W.	0·2	S. W. by S.	0·2	S. W.	0·2	S. W.	0·2	S. W.	0·2	S. W.	0·5	29	
N. N. W.	0·2	E. by S.	0·2	E. by S.	0·2	E.	0·2	E by N.	0·2	E.	0·5	30	
S. E.	0·2	E. S. E.	0·2	E. S. E.	0·2	S. S. E.	0·2	E. S. E.	0·2	S. W.	0·2	31	

18h.		19h.		20h.		21h.		22h.		23h.			
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	1	OCTOBER.
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	2	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	3	
—	—	—	—	—	—	—	—	—	—	—	—	4	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	5	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	7	
E.	0·2	—	0·0	—	0·0	—	0·0	S. S. W.	0·5	S. W. by S.	0·5	8	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N. E. by E.	0·2	9	
E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0.0	10	
N. E.	0·5	N.	—	—	—	—	—	—	—	—	—	11	
—	—	—	—	—	—	—	—	—	—	—	—	12	
S. W.	2·0	S. S. W.	2·5	S. S. W.	2·5	S. S. W.	0·2	S. S. W.	2·0	S. S. W.	1·0	13	
W.	0·2	W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	14	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	W. N. W.	0·2	15	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	16	
—	0·0	—	0·0	—	0·0	W. N. W.	0·2	W. N. W.	0·2	—	0·0	17	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	18	
W. N. W.	0·2	N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	—	0·0	—	0·0	19	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	20	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	21	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	22	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	23	
N. W. by N.	0·2	N. N. E.	0·2	N. E.	0·2	—	0·0	—	0·0	N. E.	0·2	24	
—	—	—	—	—	—	—	—	—	—	—	—	25	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	26	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	27	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	28	
W.	0·5	W.	0·5	W.	0·2	W. by S.	0·5	W. by S.	0·2	—	0·0	29	
E. N. E.	0·2	E. N. E.	0·2	E. N. E.	0·2	E. N. E.	0·2	E.	0·2	E. N. E.	0·5	30	
—	0·0	W. by N.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	31	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
NOVEMBER.	1	—	0·0	—	0·0	S. W. by S.	0·2	S. W. by S.	0·5	S. S. W.	0·5	S. S. W.	1·0
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	N. by W.	2·0	N. by W.	1·5	N.	1·5	N.	1·0	N. N. E.	0·5	E. S. E.	1·0
	4	—	0·0	—	0·0	—	0·0	—	0·0	S. S. W.	0·2	S. S. W.	0·2
	5	N. by W.	0·2	—	0·0	W. S. W.	0·2	S. W.	0·2	S. W. by W.	0·2	S. W.	0·2
	6	S. W.	1·0	S. W.	1·0	S. W.	1·0	S. W.	1·0	S. W. by W.	1·0	W. S. W.	1·0
	7	—	0·0	—	0·0	—	0·0	N. W.	0·2	N. W. by W.	0·2	W. by S.	0·2
	8	N. by W.	0·2	N.	0·2	N.	0·2	N.	0·5	N.	0·5	N.	1·0
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	W.	0·2	W. by S.	0·5	W.	0·2	W. by S.	0·2	W. by N.	0·2	W. N. W.	0·5
	11	N. N. E.	0·2	N. N. E.	0·2	N.	0·2	N.	0·2	N.	0·2	N. by E.	0·2
	12	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	W. N. W.	0·2
	13	—	0·0	—	0·0	—	0·0	S. W.	0·2	S. W.	0·2	S. S. W.	1·0
	14	—	0·0	W. by S.	0·2	W. S. W.	0·2	S. W.	0·5	S. W. by W.	0·2	S. W. by S.	0·5
	15	—	0·0	—	0·0	—	0·0	—	0·0	N. W.	0·2	S. by W.	0·2
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	18	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	19	S. W.	3·5	S. W. by W.	3·0	S. W. by W.	4·0	S. W.	3·0	S. W.	2·5	S. W.	2·5
	20	—	0·0	—	0·0	—	0·0	—	0·0	S. W. by S.	0·2	S. W.	0·5
	21	N. W. by N.	2·0	W. S. W.	0·5	W.	0·2	W.	1·0	W. by S.	2·5	W.	2·5
	22	W. by N.	0·2	N. by W.	0·2	W.	0·2	—	0·0	—	0·0	—	0·0
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	—	0·0	—	0·0	—	0·0	W. S. W.	0·2	S. W.	0·2	S. W. by S.	0·5
	25	S. E.	1·0	S. E. by S.	1·0	S. by E.	1·0	S. S. W.	1·0	S. S. W.	1·0	S. W.	0·5
	26	N.	0·2	N.	0·2	N. by E.	0·2	N. E. by N.	0·2	N. by E.	0·2	N. by E.	0·2
	27	N. W. by N.	3·5	N. W. by N.	2·5	N. W. by N.	2·5	N. W.	3·5	N. W. by N.	3·5	N. W.	4·5
	28	—	0·0	—	0·0	—	0·0	—	0·0	N. W. by W.	0·2	W. by N.	0·2
	29	N. W. by W.	0·2	—	0·0	—	0·0	W. by N.	0·2	W. N. W.	0·2	W. N. W.	0·2
	30	—	—	—	—	—	—	—	—	—	—	—	—

		12h.		13h.		14h.		15h.		16h.		17h.	
NOVEMBER.	1	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	2	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. by W.	0·2
	4	—	0·0	—	0·0	—	0·0	N. W. by W.	0·2	N. W. by W.	0·2	—	0·0
	5	S. W.	0·5	S. W.	0·5	S. W.	0·5	S. W.	0·2	S. W.	0·5	S. W. by S.	0·5
	6	N. W. by N.	0·2	N. W. by N.	0·2	N. W.	0·2	N. W.	0·2	N. W.	0·2	—	0·0
	7	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	8	N. by W.	1·0	N.	1·0	N. by E.	1·0	N.	1·5	N.	1·0	N.	1·5
	9	—	—	—	—	—	—	—	—	—	—	—	—
	10	—	0·0	—	0·0	—	0·0	W. N. W.	0·2	W. N. W.	0·2	—	0·0
	11	—	0·0	—	0·0	—	0·0	N. N. E.	0·2	N.	0·2	—	0·0
	12	W. S. W.	0·2	—	0·0	W. by N.	0·2	—	0·0	—	0·0	—	0·0
	13	S. S. W.	1·0	S. S. W.	0·2	S. S. W.	0·2	—	0·0	W. S. W.	0·2	W.	0·5
	14	W. by N.	0·2	W. N. W.	0·2	N. W. by N.	0·2	—	0·0	—	0·0	—	0·0
	15	—	0·0	S. W.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	S. W. by S.	0·5	S. W.	0·5
	16	—	—	—	—	—	—	—	—	—	—	—	—
	17	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	18	E. N. E.	0·2	E. N. E.	0·2	E. N. E.	0·2	E. by S.	0·2	—	0·0	S.	1·0
	19	S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	20	W.	3·5	W.	3·5	W.	3·0	W. by S.	1·5	W. by S.	1·0	W. by S.	1·0
	21	—	0·0	—	0·0	—	0·0	W.	0·2	W.	0·2	W.	0·2
	22	E. S. E.	0·2	E.	0·2	E. N. E.	0·2	E. N. E.	0·5	N. N. E.	0·2	N. N. E.	0·5
	23	—	—	—	—	—	—	—	—	—	—	—	—
	24	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	25	—	0·0	—	0·0	W.	0·2	N. W.	0·2	—	0·0	—	0·0
	26	N. N. E.	0·2	N. E.	0·2	N. N. E.	0·2	N. by E.	0·2	N. by W.	0·5	N. by W.	1·5
	27	W.	2·5	—	0·0	—	0·0	W.	1·0	W.	1·0	W. by N.	1·0
	28	—	0·0	—	0·0	W. by S.	0·2	W. by S.	0·2	W. by N.	0·2	—	0·0
	29	S. by E.	1·0	S.	0·2	S.	0·5	W. N. W.	0·2	W.	0·2	W.	0·2
	30	—	—	—	—	—	—	—	—	—	—	—	—

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
S. S. W.	1·5	S. W.	1·0	W. S. W.	3·0	S.W. by W.	2·5	W.	2·0	W.	0·2	1	NOVEMBER.
—	—	—	—	—	—	—	—	—	—	—	—	2	
E. by S.	1·0	E. by S.	0·5	S.	0·2	S. by W.	1·5	S. W	1·0	S. W.	0·2	3	
S.	0·2	S. by W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	4	
W.	0·2	W. S. W.	0·2	W.	0·2	S. W.	0·5	S. W.	0·5	S. W.	0·5	5	
S.W. by W.	0·5	S. W.	0·5	S. W.	0·5	N. W.	0·5	W. N. W.	0·5	N.W. by N.	0·5	6	
W.	0·2	S.W. by W.	0·2	S.W. by W.	0·2	S. W. by S.	0·2	S. W.	0·2	—	0·0	7	
N. by W.	0·2	N.	1·0	N.	2·0	N. by E.	1·5	N.	1·0	N. N. W.	0·5	8	
—	—	—	—	—	—	—	—	—	—	—	—	9	
N. W.	1·0	S.	0·5	S. S. E.	0·2	—	0·0	—	0·0	—	0·0	10	
N. N. W	0·2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11	
—	0·0	S. W.	0·2	S.	0·2	S.	0·2	S. W.	0·2	S. W. by W.	0·2	12	
S. S. W.	1·5	S. S. W.	1·5	S. by W.	0·5	S. W. by S.	0·2	S. W. by S.	0·5	S. S. W.	1·0	13	
W. by N.	3·0	N. W.	4·0	N. W.	5·0	N. W.	2·5	W. N. W.	2·0	N. W.	1·0	14	
S. by E.	0·2	S. by E.	0·2	S. by E.	0·2	S. by E.	0·2	—	0·0	—	0·0	15	
—	—	—	—	—	—	—	—	—	—	—	—	16	
E. by N.	0·2	E.	0·2	—	0·0	—	0·0	—	0·0	—	0·0	17	
S. E.	0·2	S. E.	0·2	E.	0·2	E. by N.	0·2	E. by N.	0·2	E. N. E.	0·2	18	
S. W.	2·5	S. W.	2·5	W. S. W.	2·5	S. W.	1·5	S. W.	2·5	S. W.	0·5	19	
S. S. W.	1·5	S. S. W.	1·0	S. S. W.	1·0	S. S. W.	1·5	S. S. W.	1·5	W.	1·5	20	
W.	2·5	W. by S.	2·5	W. S. W.	2·0	W. by S.	2·0	W.	1·0	W. by S.	1·0	21	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S. E.	0·2	22	
—	—	—	—	—	—	—	—	—	—	—	—	23	
S. W.	0·2	W. S. W.	0·5	W. by S	1·0	S. W.	1·0	W. by S.	0·5	W.	0·2	24	
S. W.	0·5	S. W.	0·2	S. W. ,	0·2	S.W. by W.	0·2	W. S. W.	0·2	—	0·0	25	
N. N. E.	0·2	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N. by E.	0·2	N. N. E.	0·2	26	
N. W.	3·5	N. W.	3·0	N. W.	3·5	N. W.	3·5	N. W.	2·5	W. by N.	2·0	27	
W. by S.	0·2	W. by S.	0·5	W. by S.	0·2	—	0·0	W. by S.	0·2	W. by S.	0·2	28	
--	0·0	N. N. E.	0·2	N. N. E.	0·2	N. N. E.	0·2	—	0·0	S.	0·5	29	
—	—	—	—	—	—	—	—	—	—	—	—	30	

18h.		19h.		20h.		21h.		22h.		23h.			
—	—	—	—	—	—	—	—	—	—	—	—	1	NOVEMBER.
N.	1·0	N.	1·0	N. by W.	2·5	N. by W.	3·5	N. by W.	2·5	N. by W.	2·0	2	
S. S. W.	0·2	S. W.	0·5	S. W.	0·2	—	0·0	—	0·0	—	0·0	3	
N.W. by W.	0·2	N. W.	0·2	N. W.	0·2	N. N. W.	0·5	N. by W.	0·5	N. by W.	0·2	4	
S.W. by S.	1·5	S. W.	1·0	S. W.	1·0	S. W.	0·5	S. W.	0·5	S. W.	1·0	5	
—	0·0	—	0·0	—	0·0	N. W.	0·5	—	0·0	—	0·0	6	
—	0·0	--	0·0	—	0·0	—	0·0	—	0·0	N.	0·2	7	
—	—	—	—	—	—	—	—	—	—	—	—	8	
N. W.	0·2	N. W.	0·2	N. W.	0·2	W. by N.	0·2	W. N. W.	0·2	—	0·0	9	
S.	0·2	N. N. E.	0·2	N.W. by N.	0·2	—	0·0	—	0·0	—	0·0	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	12	
W.	1·0	W.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	13	
—	0·0	N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	—	0·0	—	0·0	14	
—	—	—	—	—	—	—	—	—	—	—	—	15	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	16	
S. S. W.	0·5	S. S. W.	0·2	S. S. W.	0·2	—	0·0	—	0·0	—	0·0	17	
S. by W.	3·0	S. W.	3·5	S. W.	3·5	S. W. by S.	5·0	S. W. by S.	4·0	S. W. by S.	3·5	18	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	19	
W. by S.	0·5	W.	0·5	W.	2·5	W. N. W.	1·0	W.	1·0	W. by N.	1·0	20	
W.	0·2	W.	0·2	W.	0·2	W.	0·2	—	0·0	—	0·0	21	
—	—	—	—	—	—	—	—	—	—	—	—	22	
W.	2·0	W.	1·5	W.	1·0	W.	1·0	W. by N.	1·0	—	0·0	23	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	S.	0·5	24	
—	0·0	--	0·0	—	0·0	—	0·0	—	0·0	N. N. W.	0·2	25	
N.	1·5	N.	1·5	N.	1·5	N. by W.	1·0	N. N. W.	1·5	N. W. by N.	2·0	26	
W. by N.	1·0	W.	0·2	W.	0·2	W. by N.	0·2	W.	0·2	—	0·0	27	
—	0·0	W. N. W.	0·2	W. N. W.	0·2	N.W. by W.	0·2	N.W. by W.	0·2	W. N.W.	0·2	28	
—	—	—	—	—	—	—	—	—	—	—	—	29	
N.	0·2	—	0·0	N. by E.	0·2	N. N. E.	0·2	N E.	0·5	N. N. E.	0·2	30	

DIRECTION AND FORCE OF THE WIND.

Mean Göttingen Time.		0h.		1h.		2h.		3h.		4h.		5h.	
		Wind.		Wind.		Wind.		Wind.		Wind.		Wind.	
		Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
			lbs.		lbs.		lbs.		lbs.		lbs.		lbs.
DECEMBER.	1	N. N. E.	0·2	N. N. E.	0·5	N. N. E.	0·5	N. by E.	0·5	N. by E.	0·5	N.	0·5
	2	N. W	1·0	N. W.	0·5	N. W.	0·2	—	0·0	N.	0·2	N. N. W.	0·2
	3	N. by E.	0·2	N. by E.	0·2	N.	0·2	N. by E.	0·2	N. N. E.	0·2	N. E.	0·2
	4	S. E.	1·0	S. S. E.	1·5	S. by E.	2·0	S. by E.	2·0	S.	2·5	S. by W.	2·5
	5	W. by S.	0·2	W.	0·5	W. by N.	2·5	W.	3·0	W.	3·0	W.	3·5
	6	—	0·0	W. by S.	0·2	—	0·0	—	0·0	W. by S.	0·2	W. by S.	0·2
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	N.	0·2	N.	0·2	N. N. E.	0·2	N. E. by N.	0·2	N. N. E.	0·2	—	0·0
	9	W. S. W.	0·2	S. W. by W.	0·2	S. W.	0·2	S. W.	0·2	S. W.	0·2	S. W.	0·2
	10	W.	1·0	W.	0·5	W.	0·5	W. S. W.	0·5	W. by S.	1·0	W. S. W.	3·0
	11	N.	0·2	N.	0·2	N.	0·2	N.	0·2	—	0·0	N.	0·2
	12	—	0·0	—	0·0	—	0·0	N. N. E.	0·2	N. E. by N.	0·2	N. N. E.	0·2
	13	E.	0·2	E.	0·2	E.	0·2	E. S. E.	0·2	E. S. E.	0·2	E.	0·2
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	N. by W.	0·2	N.	0·2	N. by W.	0·2	N.	0·2	N.	0·2	N. N. W.	0·2
	16	N. W. by N.	0·2	N. N. W.	0·2	N. W.	0·2	N. W.	0·2	N. W. by W.	0·5	N. W. by W.	0·5
	17	—	0·0	S. W.	0·2	—	0·0	S. W. by S.	0·5	S. S. W.	0·5	S. S. W.	1·0
	18	S. W. by W.	1·5	S. S. W.	1·0	S. W.	0·5	S. W.	0·5	S. W.	1·0	S. S. W.	1·0
	19	W. by S.	1·5	W. S. W.	0·5	W. S. W.	0·5	S. W.	2·0	S. W.	4·0	S. S. W.	4·0
	20	S. W.	0·2	S. W. by W.	0·2	S. W. by W.	0·2	S. W.	0·2	W. S. W.	0·2	W. by S.	0·2
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	23	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	24	—	0·0	—	0·0	—	0·0	N.	0·2	N.	0·2	N.	0·2
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	N. W. by N.	1·0	N. N. W.	0·2	—	0·0	—	0·0	N. N. W.	0·2	N. N. W.	0·2
	27	S. W.	0·5	S. W.	0·5	S. W.	0·5	S. W.	2·0	S. W. by S.	2·5	S. W. by W.	2·5
	28	—	—	—	—	—	—	—	—	—	—	—	—
	29	W.	0·2	W.	0·2	W. S. W.	1·0	S. W.	1.0	S. W.	1·0	S. W.	1·0
	30	W.	0·5	W.	0·5	W.	0·5	W. N. W.	0·2	N. N. W.	0·5	N. W.	0·5
	31	—	0·0	—	0·0	—	0·0	—	0·0	N. E.	0·2	E. by N.	0·2

		12h.		13h.		14h.		15h.		16h.		17h.	
DECEMBER.	1	N. N. W.	1·5	N. W.	1·0	N. W.	1·5	N. N. W.	2·0	N. W.	0·2	W. by N.	0·2
	2	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	3	S. E. by E.	1·5	S. E. by E.	2·0	S. E. by E.	1·5	E. S. E	1·0	E. S. E.	1·0	E. S. E.	1·0
	4	—	0·0	—	0·0	W.	0·2	N. W.	0·2	N. W.	0·2	N. N. W.	0·2
	5	W.	1·5	W. S. W.	0·5	W. S. W.	0·2	W.	0·2	W.	0·2	W. S. W.	0·5
	6	W. S. W.	0·5	W. S. W.	0·2	—	0·0	—	0·0	—	0·0	—	0·0
	7	—	—	—	—	—	—	—	—	—	—	—	—
	8	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	9	S. W. by W.	1·5	S. W. by W.	2·0	S. W. by W.	2·5	S. W. by W.	2·5	W.	2·5	W.	2·5
	10	S. W	2·5	W. S. W.	2·5	S. W. by W.	2·0	W. S. W.	0·5	W.	1·0	W. by N.	1·5
	11	N.	0·2	N.	0·2	N.	0·2	N.	0·2	N. by W.	0·2	—	0·0
	12	E.	0·2	E.	0·2	E.	0·2	E. by S.	0·2	E. by S.	0·2	—	0·0
	13	E. by N.	0·5	E. by N.	0·5	E.	0·5	S. E. by S.	0·5	S. E by S.	0·5	S. E. by S.	0·5
	14	—	—	—	—	—	—	—	—	—	—	—	—
	15	N. by W.	0·5	N. by W.	1·0	N. by W.	2·5	N. N W.	2·0	N. N. W.	1·5	N. N. W.	2·0
	16	W. by N.	0·2	W. by N.	0·2	W.	0·2	W.	0·2	W. by S.	0·2	—	0·0
	17	S. S. W.	1·5	S. S. W.	1·5	S. S. W.	2·5	S. S. W.	3·0	S. S. W.	2·5	S. S. W.	2·5
	18	S.	0·2	S.	0·2	S. S. W.	0·5	S. S. E.	0·5	S. W.	3·5	S. W. by W.	3·5
	19	S. W.	2·0	W. S. W.	2·0	W. S. W.	2·5	W. S. W.	2·5	W. S. W.	2·0	W. S. W.	1·5
	20	—	0·0	—	0·0	—	0·0	N. W.	0·2	N. W.	0·2	N. W.	0·2
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	23	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	24	—	0·0	N. N. E.	0·2	N. E.	0·5	N. N. E.	0·5	N. E. by N.	0·5	N. E. by N.	0·5
	25	—	—	—	—	—	—	—	—	—	—	—	—
	26	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0
	27	S. W.	0·5	S. W.	1·0	S. W.	0·5	S. W. by W.	0·5	S. W. by W.	0·5	S. W. by W.	0·5
	28	—	—	—	—	—	—	—	0·0	—	—	—	—
	29	—	0·0	—	0·0	—	0·0	W. by S.	0·2	—	0·0	W.	0·2
	30	N. by W.	0·2	N. by W.	0·2	N. by W.	0·2	—	0 0	—	0·0	—	0·0
	31	E.	0·5	E. by S.	1·0	E. S. E.	1·5	E. by S.	2·0	E. by S.	2·5	E. by S.	2·5

DIRECTION AND FORCE OF THE WIND.

6h.		7h.		8h.		9h.		10h.		11h.		Mean Göttingen Time.	
Wind.		Wind.		Wind.		Wind.		Wind.		Wind.			
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		
	lbs.		lbs.		lbs.		lbs.		lbs.		lbs.		
N. N. W.	1·0	N. N. W.	1·0	N. N. W.	2·0	N. by W.	2·5	N. N. W.	0·5	N. N. W.	1·5	1	DECEMBER.
N. by W.	0·2	N.	0·2	N. by E.	0·2	—	0·0	—	0·0	—	0·0	2	
N. N. E.	0·2	N. N. E.	0·2	N. E.	0·2	N. E. by N.	0·5	E. by S.	0·5	S. E. by E.	1·5	3	
W.	0·5	W. S. W.	0·5	S. W. by W.	0·2	W. S. W.	0·5	W. S. W.	0·2	W. S. W.	0·2	4	
W.	3·0	W.	3·5	W.	3·5	W. by S.	3·0	W. by S.	2·5	W.	1·5	5	
W. S. W.	0·5	S. W. by W.	1·0	W. S. W.	1·0	W. S. W.	1·0	W. S. W.	1·5	W. by S.	1·0	6	
—	—	—	—	—	—	—	—	—	—	—	—	7	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	8	
S. W.	2·0	S. W.	2·5	S. W. by W.	1·5	S. W. by W.	1·0	S. W. by W.	1·0	S. W. by W.	1·0	9	
W. by S.	3·5	W. by S.	3·0	W. by S.	2·5	W. by S.	2·5	W. by S.	2·5	W. S. W.	2·5	10	
N.	0·2	N.	0·2	N.	0·2	N.	0·2	N. by E.	0·2	N. by E.	0·2	11	
N. by E.	0·2	N. by E.	0·2	S. E.	0·2	E. by S.	0·2	E. S. E.	0·2	E.	0·2	12	
E.	0·2	E.	0·2	E.	0·2	E.	0·2	E. by N.	0·2	—	0·0	13	
—	—	—	—	—	—	—	—	—	—	—	—	14	
N. by W.	1·5	N. N. W.	2·5	N. by W.	2·5	N. by W.	2·5	N. by W.	1·5	N. by W.	0·5	15	
N.W. by W.	0·2	N.W. by W.	0·2	N.W. by W.	0·5	W. N. W.	0·5	W. N. W.	0·2	W. N. W.	0·2	16	
S. S. W.	1·0	S. by W.	1·0	S. S. W.	0·5	S.	0·5	S. by E.	0·5	S. S. W.	4·0	17	
W. by S.	1·0	W. by S.	1·0	S. S. W.	1·5	S. S. W.	1·0	S.	0·5	S. S. W.	0·5	18	
S. W.	3·5	S. W.	3·5	S. W.	3·5	S. W.	3·5	S. W.	3·0	W. S. W.	3·0	19	
—	0·0	—	0·0	—	0·0	W.	0·2	—	0·0	—	0·0	20	
—	—	—	—	—	—	—	—	—	—	—	—	21	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	22	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	23	
N.	0·2	—	0·0	N. N. E.	0·2	—	0·0	—	0·0	—	0·0	24	
—	—	—	—	—	—	—	—	—	—	—	—	25	
N. W.	0·2	W. N. W.	0·2	W. N. W.	0·2	W. N. W.	0·2	N.W. by W.	0·2	—	0·0	26	
S.W.	2·5	S. S. W.	1·5	S. S. W.	2·5	S. W.	3·5	S. W.	2·5	S. W.	0·5	27	
—	—	—	—	—	—	—	—	—	—	—	—	28	
S. W. by W.	0·5	W. S. W.	0·5	W. S. W.	0·2	W. S. W.	0·2	W. by S.	0·2	W.	0·2	29	
N. W.	1·5	W. N. W.	1·0	N. W.	0·2	N. N. W.	0·5	—	0·0	N. by W.	0·2	30	
E.	0·2	N. E. by E.	0·2	N. E.	0·2	E.	0·5	E.	0·5	E.	0·5	31	

18h.		19h.		20h.		21h.		22h.		23h.			
N. W.	0·5	N.W. by W.	1·0	N. W.	2·5	N.W.	2·5	N. W.	2·5	N. W.	2·5	1	DECEMBER.
—	0·0	—	0·0	—	0·0	N. N. W.	0·2	N.	0·2	N. by E.	0·2	2	
E. S. E.	0·5	E. S. E.	0·5	E. S. E.	0·5	S. E.	1·0	S. E.	1·5	S. E.	1·0	3	
N.	0·2	—	0·0	—	0·0	—	0·0	W. by N.	0·2	W.	0·5	4	
W. by N.	0·5	W. by N.	0·5	—	0·0	—	0·0	—	0·0	—	0·0	5	
—	—	—	—	—	—	—	—	—	—	—	—	6	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	N.	0·2	7	
—	0·0	—	0·0	—	0·0	W. by S.	0·2	W. S. W.	0·2	W. S. W.	0·2	8	
W. N. W.	2·5	N.W. by W.	2·5	W. N. W.	2·5	W. N. W.	1·5	W. by N.	1·5	W. by N.	1·0	9	
N. by W.	0·5	N. N. W.	0·5	—	0·0	N. by W.	0·2	—	0·0	—	0·0	10	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	11	
E. by S.	0 2	—	0·0	—	0·0	—	0·0	—	0·0	E.	0·2	12	
—	—	—	—	—	—	—	—	—	—	—	—	13	
N. W. by N.	0·2	N.W. by N.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	14	
N. N. W.	1·5	N. N. W.	1·5	N. N. W.	2·0	N. N. W.	2·0	N. N. W.	2·0	N. N. W.	0·2	15	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	16	
S. S. W	3·0	S. S. W.	2·5	S. W. by S.	2·5	S. S. W.	3·0	W. S. W.	2·5	S. W. by W.	1·5	17	
S. S. W.	3·5	S. S. W.	8·0	S. W.	9·5	S. W.	6·0	S.W. by W.	3·5	W. by S.	2·0	18	
W. S. W.	1·5	S. W.	0·5	S. W.	0·2	—	0·0	—	0·0	—	0·0	19	
—	—	—	—	—	—	—	—	—	—	—	—	20	
W.	0·2	—	0·0	N.W. by W.	0·2	N. W.	0·2	W. by N.	0·2	—	0·0	21	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	22	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	23	
—	—	—	—	—	—	—	—	—	—	—	—	24	
N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. N. W.	0·2	N. W.	0·2	N. by W.	1·0	25	
—	0 0	—	0·0	—	0·0	—	0·0	S. W.	0·2	—	0·0	26	
—	—	—	—	—	—	—	—	—	—	—	—	27	
—	0·0	—	0·0	—	0·0	W.	0·2	W.	0·2	W.	0·2	28	
W.	0·2	W. by N.	1·0	W. by N.	0·5	W. by N.	0·5	W. by N.	0·5	W.	0·5	29	
—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	—	0·0	30	
E. by S.	2·0	E.	1·5	E.	1·5	E.	1·5	E.	1·5	E.	1·0	31	

TORONTO, 1845.

METEOROLOGICAL JOURNAL.

OBSERVATIONS OF THE AURORA.

—	Phenomena.	Moon's Age at Mean Noon.	—	Phenomena.	Moon's Age at Mean Noon.
1845			1845		
January 9th, 9h to 14h	Faint light	1·4	August 1st, 9h to 11h	Faint light	28·4
,, 16h to 18h	Arch and streams	1·4	,, 2nd, 10h to 12h	Faint bank of auroral light	29·4
March 12th, 15h	Faint light	4·4	September 3rd, 12h to 13h	Faint light	1·4
,, 13th, 14h to 15h	Faint light	5·4	,, 7th, 12h to 14h	Faint light	5·4
April 13th, 12h to 14h	Arches and faint streams	6·9	,, 24th, 9h to 16h	Arch and pulsation	22·9
June 30th, 10h	Faint light	25·7	,, 25th, 9h to 10h	Faint light	23·9
July 5th, 11h	Faint light	1·0	,, 26th, 14h	Faint light	24·9
,, 8th, 11h to 12h	Faint light	4·0	October 20th, 13h to 14h	Faint light	19·9
,, 24th, 11h to 15h	Faint light	20·0	November 27th, 12h to 15h	Light and streams	27·9

Toronto Mean Time.	Weather and Phenomena.	Extent of Cloudy Sky. 3h.	9h.	15h.	21h.	Max. Therm.	Min. Therm.	Rain
D	JANUARY.					°	°	In.
1	Clouded all day; cir.-cum., cum.-strat., and haze	1·0	1·0	1·0	1·0	39·4	28·4	—
2	Clouded from 12h till 17h; cir.-cum. and haze; remainder of the day partially clouded; slight and moderate rain from 18h	0·4	0·2	1·0	1·0	40·6	27·7	—
3	Slight rain continued moderately till 2h 25m; clouded all day; cum.-strat. and cir.-cum.	1·0	1·0	1·0	0·5	34.7	28·3	—
4	Clouded from 1h till 4h, and from 7h till 11h with cir.-strat., cir., and haze; remainder of the day nearly clear	0·9	1·0	—	—	45·7	33·3	—
5	Partially clouded with cum.-strat. and cir.-cum. generally dispersed	—	—	0·2	1·0	39·9	29·7	—
6	Clouded all the day with cir.-cum., cum.-strat., and haze; snowing from 11h	1·0	1·0	1·0	1·0	39·1	17·7	—
7	Snow continued till 1h; generally clouded with cir. cum., cir.-strat., and cum.-strat.	0·7	1·0	1·0	1·0	23·2	16·3	—
8	Generally clouded with cir.-cum. and cum.; clear spaces	0·4	1·0	1·0	0·5	28·7	19·4	—
9	Clouded till 8h with cir.-cum. and haze; remainder of the day clear; auroral light in N. from 7h till 14h	0·5	0·0	0·0	1·0	33·9	22·4	—
10	Clouded all day with cir.-cum. and haze	1·0	1·0	1·0	1·0	39·1	23·5	—
11	Clouded till 8h with cum.-strat., cir.-cum. and haze; remainder of the day mostly clear	1·0	0·2	—	—	35·3	19·7	—
12	Generally clear till 11h; remainder of the day clouded, and constant snow	—	—	1·0	1·0	31·7	18·9	—
13	Generally clouded with cir.-cum., strat., and haze; ceased snowing at 0h	0·3	0·9	1·0	0·9	29·9	16·6	—
14	Generally clouded with cir.-cum. and cum.-strat.; snowing from 8h till 13h	1·0	1·0	1·0	1·0	23·7	10·9	—
15	Clouded all the day with cir.-cum. and haze; snowing from 19h	1·0	1·0	1·0	1·0	26·7	14·1	—
16	Clouded all the day; dense haze; snow continued till 13h; turned to sleet and continued all day	1·0	1·0	1·0	1·0	33·1	23·5	—
17	Generally clouded with cir.-cum. and haze; snow and sleet till 9h	1·0	1·0	0·4	0·0	30·3	16·5	—
18	In general clear	0·0	0·0	—	—	23·9	18·1	—
19	In general clouded with cir.-cum., cum.-strat., and haze	—	—	1·0	1·0	22·7	−0·2	—
20	Clouded all the day with cir.-strat. and haze; rain or light snow accompanied with sleet from 12h till 23h	1·0	1·0	1·0	1·0	25·2	6·1	—
21	Clouded all day with cir.-cum., cum.-strat., and haze	1·0	1·0	1·0	1·0	30·5	21·5	—
22	Clouded till 1h with cir.-cum., cir.-strat., and haze; remainder of day generally clear	0·2	0·0	0·0	1·0	37·3	29·3	—
23	Clouded all day with cir.-cum., cir.-strat., and haze; constant rain from 12h	1·0	1·0	1·0	1·0	39·1	13·7	—
24	Continued raining till 9h; clouded all day with cum.-strat., cir.-cum., and haze	1·0	1·0	1·0	0·7	36·7	18·4	—
25	Clear all day	0·0	0·0	—	—	37·9	22·7	—
26	In general, clear	—	—	0·0	1·0	30·1	11·4	—
27	Clouded all day with cir.-strat. and haze; slight rain from 15h	1·0	1·0	1·0	1·0	31·1	10·3	—
28	Continued raining till 8h; slight snow from 9h till 11h; clouded all day; dense cir.-cum. and haze	1·0	1·0	1·0	1·0	39·5	20·7	—
29	Generally clouded; cir.-cum. and haze; occasional showers of snow	1·0	0·4	0·9	0·7	42·1	29·5	—
30	Mostly clear; a few cir.-cum occasionally	0·3	0·0	0·2	0·8	33·1	16·3	—
31	Generally clear throughout tha day	0·2	0·0	0·0	1·0	24·7	11·0	—

[a] Rain gauge out of order.

D.	Weather and Phenomena.	Extent of Cloudy Sky. 3h.	9h.	15h.	21h.	Max. Therm.	Min. Therm.	Rain.
	FEBRUARY.							
						°	°	In.
1	Generally clouded till 5h; cir.-strat. and haze; remainder of the day clear	0·8	0·0	—	—	15·1	−2·4	—a
2	Clouded all day; cir.-cum. and haze	—	—	1·0	1·0	12·7	−1·7	—
3	Clouded all day; dense haze; snowing and drifting all day	1·0	1·0	1·0	1·0	18·5	−2·4	—
4	Clouded all day; dense haze; slight snow and heavy drift all day	1·0	1·0	1·0	1·0	24·2	17·7	—
5	Clouded all day; dense haze; slight snow and heavy drift all day	1·0	1·0	1·0	1·0	27·7	11·7	—
6	Clouded nearly all day; dense haze and cir.-cum.; snow drifting; latter part of the day clear	1·0	0·5	0·0	0·1	17·7	3·1	—
7	Generally clear; a few cir.-cum round horizon	0·2	0·4	0·0	0·3	20·5	2·8	—
8	Clear till 8h; remainder of the day clouded and hazy	0·0	1·0	—	—	28·1	10·1	—
9	Clouded all day; cir.-cum. and haze; snowing most part of the day	—	—	1·0	0·8	21·9	4·9	—
10	Clouded all day; cir. and haze	1·0	1·0	1·0	1·0	28·3	8·7	—
11	Clouded all day; dense haze; misty	1·0	1·0	1·0	1·0	33·5	25·6	—
12	Clouded at 9h; cir.-cum. and haze; remainder of the day clear	0·1	1·0	0·0	0·1	38·9	25·7	—
13	Clear till 1h; remainder of the day clouded; cir.-cum., cum.-strat., and haze; light snow from 17h accompanied with sleet from 18h	1·0	1·0	1·0	1·0	37·9	−1·9	—
14	Snow and sleet continued till 2h; clouded all day; cir.-cum. and haze	1·0	1·0	0·9	1·0	15·3	−4·2	—
15	Clouded all day; cir.-cum. and haze	1·0	1·0	—	—	35·5	13·4	—
16	Clouded all day; cir.-strat and haze	—	—	1·0	1·0	40·3	31·5	—
17	Clouded all day; cum.-strat., cir.-cum., and haze	1·0	1·0	1·0	1·0	40·0	31·7	—
18	Generally clouded; cir.-cum. and haze; halo round the sun at 1h, imperfect; and round the moon at 11h, perfect	0·7	0·8	1·0	1·0	39·9	31·7	—
19	Generally clouded; cir.-cum. and haze; halo round the moon at 11h, diam. 40°, perfect	1·0	0·7	1·0	1·0	36·7	27·5	—
20	Clear from 9h till 11h; remainder of the day clouded; cir.-cum. and haze	1·0	0·0	0·6	0·7	38·3	32·9	—
21	In general clouded; cir.-cum., cir.-strat., and haze; occasionally almost clear	1·0	0·2	1·0	1·0	43·7	32·2	—
22	Clouded all day; cir.-cum., cir.-strat., and haze	1·0	1·0	—	—	45·1	33·2	—
23	Generally clouded till 11h; remainder of the day nearly clear	—	—	0·1	0·2	40·3	32·7	—
24	Generally clear; auroral light in N. at 8h and 9h	0·3	0·0	0·0	0·5	43·9	32·7	—
25	Mostly clear till 2h; remainder of the day clouded; cir., cir.-strat., and haze	0·7	1·0	1·0	1·0	43·5	34·7	—
26	Generally clear till 7h; cir.-cum. and haze; remainder of the day mostly clear	1·0	0·4	0·1	0·3	49·1	34·2	—
27	Generally clouded all day; cir.-cum. and cum.-strat.	1·0	0·2	1·0	0·9	40·3	25·5	—
28	In general clouded; cir.-cum. and cum.-strat; snow from 9h to 13h	0·7	1·0	0·5	0·4	38·7	25·2	—
	MARCH.							
1	Mostly clear till 11h; remainder of the day clouded	0·1	0·1	—	—	33·9	24·7	—
2	Clouded all day; rain and snow from 9h till 14h	—	—	1·0	1·0	45·3	33·7	—
3	Generally clouded till 4h; cir.-cum. and cir.-strat.; remainder of the day clear	0·7	0·0	0·0	0·9	44·1	34·5	—
4	Clouded all the day; cir., cir.-strat. and haze; slight rain from 10h accompanied by snow from 16h till 22h	1·0	1·0	1·0	1·0	32·9	24·5	0·25
5	Clouded till 2h; cir.-cum and haze; remainder of the day clear	0·1	0·0	0·0	0·1	42·6	24·7	—
6	Generally clear	0·1	0·1	0·0	0·5	45·7	25·9	—
7	Generally clouded; cir.-cum., cir. and haze; rain from 13h till 15h 30m	1·0	1·0	1·0	1·0	40·4	25·9	0·06
8	Clouded all day; cir.-cum., cir.-strat. and haze	1·0	1·0	—	—	41·5	32·7	—
9	Partially clouded; cir.-strat. and haze	—	—	0·4	1·0	55·8	32·7	—
10	Clouded all day; cir.-cum., cir.-strat. and haze; slight snow from 11h till 16h 30m	1·0	1·0	1·0	0·1	41·1	26·3	—
11	Mostly clear till 12h; remainder of the day clouded; cir.-cum., cir.-strat. and haze	0·2	0·0	1·0	0·5	40·9	26·5	—
12	Generally clouded till 9h with cir.-cum.; cum.-strat. and haze; remainder of the day clear	0·8	0·7	0·0	1·0	37·6	28·1	—
13	Clear; auroral light in N. at 14h	0·1	0·0	0·0	1·0	46·4	28·2	—
14	Clouded till 7h; cir.-cum., cir.-strat. and haze; slight rain from 2h till 5h; mostly clear	1·0	0·2	0·4	1·0	46·1	26·2	0·08
15	Clouded all day; cir.-cum., cir.-strat. and haze; snow from 6h till 8h	1·0	1·0	—	—	45·1	17·7	—
16	Clouded all day; cir. and haze; snowing all day with little intermission	—	—	1·0	1·0	24·9	6·6	—
17	Clouded all day; cir.-cum., cum.-strat. and haze; halo round the moon at 10h and 11h perfect; diameter about 30°	1·0	0·6	1·0	1·0	30·7	9·9	—
18	In general clouded; cum. and cum.-strat.; snow from 1h till 6h	1·0	0·6	1·0	1·0	35·2	24·9	—
19	In general clouded; cir.-cum. and haze; halo round the moon at 10h and 11h, diameter 35° and 30°	1·0	1·0	0·4	1·0	29·9	19·7	—
20	Clouded all day excepting at 10h and 11h, which were clear	1·0	0·9	—	—	29·2	19·2	—
21	Clouded from 12h to 17h; cum.-strat., cir.-cum. and haze; remainder of the day generally clear	—	—	1·0	0·0	32·9	16·9	—
22	Mostly clear	0·0	0·4	—	—	38·9	16·4	—
23	Generally clouded; cum.-strat. and cir.-cum.	—	—	1·0	1·0	43·7	26·7	—
24	Clouded till 11h; cir.-cum., cum.-strat and haze; remainder of the day clear	0·9	1·0	0·0	0·7	49·8	32·7	—
25	Generally clouded; cir.-cum. and cir.-strat.; clear spaces occasionally	0·5	1·0	0·8	1·0	41·5	30·9	—
26	In general clouded; cir. and cir.-strat.	1·0	1·0	0·6	1·0	47·7	28·9	—
27	Clouded all day; cir.-strat., cir. and haze	1·0	1·0	1·0	1·0	52·0	34·7	—
28	In general clouded; cir., cir.-cum. and haze	1·0	0·5	1·0	0·0	59·8	36·7	—

a Rain gauge out of order.

Toronto Mean Time.	Weather and Phenomena.	Extent of Cloudy Sky. 3h.	9h.	15h.	21h.	Max. Therm.	Min. Therm.	Rain.
						°	°	In.
	MARCH.							
29	Clear all day	0·0	0·0	—	—	54·3	33·2	—
30	Clouded from 12h to 7h; cir. and haze; remainder of the day generally clear	—	—	1·0	1·0	62·7	33·4	—
31	Clear from 9h to 12h; remainder of the day clouded; cir.-cum., cir.-strat., and haze; slight rain at 17h and 18h	1·0	0·0	1·0	1·0	59·2	41·2	—
	APRIL.							
1	Clear from 8h till 14h; remainder of the day clouded; cir.-cum., cir.-strat., and haze	1·0	0·0	0·9	0·5	63·3	47·2	—
2	Generally clouded; cir.-cum. and cum.-strat.; showers of rain at 0h; snow from 12h till 14h	0·8	0·1	0·6	0·4	48·3	26·7	0·04
3	Mostly clear till 2h; remainder of the day clouded; cir.-cum., cir.-strat., and haze; snow from 6h till 8h	1·0	1·0	1·0	0·2	53·0	26·1	—
4	Partially clouded; cir.-cum.; cir-strat. and haze	0·9	0·4	0·5	0·6	39·6 a	27·7 a	—
5	Partially clear till 4h; remainder of the day clear	0·8	0·0	—	—	43·9	24·7	—
6	Clear and clouded alternately; snowing from 15h till 20h	—	—	1·0	1·0	36·9	17·9	—
7	Clouded till 6h; cir.-cum. and haze; remainder of the day mostly clear; snow at 19h and 20h	1·0	0·0	0·4	0·8	41·7	15·5	—
8	Mostly clouded till 2h; cum.-strat. and cir.-cum.; remainder of the day clear	0·2	0·0	0·0	1·0	35·9	19·1	—
9	Clouded from 1h till 8h and from 15h till 17h; cir.-strat. and haze; remainder of the day generally clear	1·0	0·0	1·0	0·8	34·1	18·4	—
10	In general clouded; cir., cir.-cum., cum.-strat., and haze	0·7	1·0	1·0	0·7	43·4	21·7	—
11	Generally clear; clouded from 23h; cir., cir.-strat., and haze; halo and parhelia round the sun at 21h; diameter of halo 30°; perfect and very bright	0·0	0·0	0·2	0·4	50·8	33·1	—
12	Continued cloudy till 11h; cir., cir.-stat., and haze; remainder of the day generally clear	1·0	0·8	—	—	45·1	26·7	—
13	Generally clear; auroral light in N. from 11h till 15h	—	—	0·0	0·0	48·3	29·7	—
14	Generally clear	0·0	0·3	0·1	0·0	66·3	37·2	—
15	Clear till 1h; remainder of the day clouded; cir.-cum., cir.-strat., and haze	0·8	0·8	1·0	1·0	61·5	31·8	—
16	Clouded all day; cir.-cum. and haze; rain from 2h till 11h and at 17h	1·0	1·0	1·0	1·0	63·7	35·7	0·2
17	Clouded all day; cir.-cum., cum.-strat; slight rain from 2h till 15h	1·0	1·0	1·0	1·0	49·5	36·7	0·1
18	Clouded all day; cir.-cum. and haze; raining at intervals; thunder at 8h, and from 12h till 15h, accompanied by rain	1·0	1·0	1·0	1·0	44·3	37·3	0·3
19	Clouded all day; cir.-cum., cir.-strat., and haze; drizzling rain nearly all day	1·0	1·0	—	—	46·1	41·5	0·1
20	Generally clouded; cir.-cum., cir.-strat., and haze	—	—	1·0	1·0	46·3	40·7	—
21	Clouded till 7h; cum.-strat. and cir.-cum.; remainder of the day clear	1·0	0·1	0·0	0·1	46·4	40·7	—
22	Clouded all day; cir.-cum. and cir.-strat.	0·8	0·6	1·0	0·8	49·4	33·7	—
23	Generally clouded; cir. and haze; rain and distant thunder in N.W. from 5h till 8h	1·0	0·7	0·2	1·0	53·0	37·3	0·1
24	Clouded all day; cir.-cum., cum.-strat., and haze; rain and thunder from 4h till 6h, and from 12h till 16h	1·0	1·0	1·0	1·0	66·5	46·2	0·2
25	Clouded all day; cum.-strat. and cir.-cum.; slight rain occasionally	1·0	1·0	1·0	1·0	66·7	43·5	0·2
26	Generally clouded; cir.-cum., cir.-strat., and haze	0·4	1·0	—	—	49·8	40·2	—
27	Clouded till 11h; remainder of the day clear	—	—	0·0	1·0	57·6	39·4	—
28	Generally clouded till 11h; cir.-strat., strat., and haze; remainder of the day clear	0·6	1·0	0·0	0·4	61·0	36·2	—
29	Partially clouded all day; cir., cir.-strat., and haze; thunder, lightning, and rain from 18h till 20h	0·4	0·4	0·6	0·9	62·5	40·3	—
30	Generally clouded; cir.-cum., cum., and cir.-strat., thunder, lightning, and rain from 6h till 13h	0 8	1·0	0·8	0·7	59·7	45·7	1·3
	MAY.							
1	Partially clear; clouds; cir.-cum. and cum. widely dispersed	0·2	0·6	0·9	0·1	61·2	45·7	—
2	Clear; clouded from 18h; cir. and cir.-strat.	0·0	0·0	0·0	1·0	68·3	41·1	—
3	Mostly clouded; cir., cir.-strat., and haze; halo round the sun at 1h, diameter 30°, perfect	1·0	0·7	—	—	58·8	39·7	—
4	Clouded till 12h; cir.-cum., cir.-strat., and cum.; remainder of the day clear	—	—	0·0	0·2	63·3	42·2	—
5	In general clear	0·1	0·0	0·0	0·1	60·8	31·9	—
6	Nearly clear till 14h; remainder of the day clouded; cir.-strat. and haze	0·1	0·1	1·0	0·9	52·6	30·9	—
7	Clouded till 1h; cir.-cum. and cir.-strat.; remainder of the day clear	0·3	0·0	0·0	0·0	57·0	38·9	—
8	Clear till 2h; remainder of the day clouded; cir.-cum., cir.-strat., and haze	1·0	1·0	0·3	0·0	49·0	27·8	—
9	Clouded at 3h, 4h, 15h, and 18h; cir.-cum. and haze	0·8	0·0	0·7	0·0	51·3	34·5	—
10	Clear all the day	0·0	0·0	—	—	57·0	37·5	—
11	Clear all the day	—	—	0·0	0·0	62·0	42·5	—
12	Generally clear; at 7h and 8h clouded; cir.-cum. and haze; clouded from 16h till 21h; cir.-cum., cir.-strat., and cir.	0·0	0·0	0·2	1·0	76·0	50·1	—
13	Generally clear; rain throughout the 23rd hour	0·5	0·0	0·0	1·0	77·8	53·8	0·2
14	In general clouded; cir.-cum., cir.-strat., and haze; lightning and thunder in N.W. N., and N.E. from 7h till 13h; rain from 16h till 17h	1·0	0·5	1·0	1·0	75·3	52·5	0·2
15	Clouded till 3h; cir.-cum., cir.-strat., and haze; remainder of the day clear	0·8	0·0	0·0	0·0	66·7	43·7	—

a Taken from the highest and lowest of the Standard Thermometer.

Toronto Mean Time.	Weather and Phenomena.	Extent of Cloudy Sky. 3h.	9h.	15h.	21h.	Max. Therm.	Min. Therm.	Rain.
D.	**MAY.**					°	°	In.
16	Clear all day	0·0	0·0	0·0	0·0	50·0	30·7	—
17	Clear till 2h; remainder of the day mostly clouded; cir.-cum., cir., and haze	0·5	0·8	—	—	51·0	34·1	—
18	Mostly clear	—	—	0·1	0·1	61·2	38·7	—
19	Mostly clouded all day; cir.-cum. and cum.-strat.; lightning, thunder, and rain at 2h and 9h	0·7	0·4	0·8	0·2	69·3	50·7	0·68
20	In general clear; cir.-cum. dispersed occasionally	0·4	0·1	0·0	0·2	68·7	42·2	—
21	In general clear till 13h; remainder of the day clouded; cir.-cum. and haze; slight rain from 23h	0·3	0·0	1·0	1·0	57·0	36·2	—
22	Clouded till 3h; cir.-cum., cir.-strat., and haze; remainder of the day clear; slight rain continued till 6h	1·0	0·0	0·0	0·2	62·7	36·7	0·50
23	In general, clear	0·4	0·0	0·1	0·0	52·2	33·1	—
24	Generally clear	0·7	0·1	—	—	63·3	36·2	—
25	Mostly clouded; cir., cir.-cum., and haze; halo round the sun at 3h, diameter about 30° perfect; slight rain at 18h	—	—	1·0	0·7	53·2	33·5	—
26	Mostly clear; clouded from 18h to 23h	0·2	0·1	0·3	1·0	59·8	40·2	—
27	Clouded from 4h till 8h, and from 16h till 17h; cir.-cum., cir.-strat., and haze; remainder of the day mostly clear	0·3	0·3	—	1·0	76·1	49·7	—
28	Clouded; cir.-cum. and cum.-strat.; showery; occasional lightning and thunder	1·0	1·0	1·0	1·0	72·8	44·0	0·28
29	Clouded till 1h; cir.-cum., cir.-strat., and haze; remainder of the day clear	0·3	0·0	0·0	0·0	70·0	35·5	—
30	Clear	0·0	0·1	0·0	0·0	43·7	30·2	—
31	Clear	0·0	0·0	—	—	56·8	33·2	—
	JUNE.							
1	In general clear	—	—	0·3	0·7	65·3	38·5	—
2	In general clouded; cir., cir.-cum., and haze; occasionally a little clear; halo round the sun at 19h; diameter about 35° imperfect	0·7	0·2	0·5	1·0	67·5	45·7	—
3	Clouded till 1h; cir. and haze; remainder of the day partially clear; halo round the sun from 20h till 4d 0h, diameter 40° perfect	0·4	0·0	0·0	0·9	72·3	54·5	—
4	Clouded all day except at 9h and 10h, when it was almost clear; cir.-cum. and cir.-strat.; thunder and lightning in W. from 9h till 14h	1·0	0·2	1·0	0·4	74·2	52·1	0·04
5	Clear from 0h till 5h; remainder of the day mostly clouded; cir.-cum., cir.-strat., and haze	0·0	1·0	0·9	1·0	77·0	53·8	—
6	Generally clouded; cir.-cum., cir.-strat., and haze; slight rain from 1h till 3h; sheet lightning in S. and S.W. from 9h till 12h; lightning, thunder, and rain from 19h till 7d 0h	1·0	0·3	0·8	1·0	66·5	47·3	0·25
7	Generally clouded; cum., cir.-cum., and haze	0·8	1·0	—	—	59·6	44·7	—
8	Unclouded; hazy; faint auroral light at 13h and 14h	—	—	0·0	0·2	63·5	52·0	—
9	Mostly clear; light cir. and cir.-strat. occasionally	0·5	0·0	0·0	0·6	81·1	56·2	—
10	Generally clouded; cum.-strat., cir.-cum., and haze; rain from 0h till 14h; sheet lightning at 13h and 14h	1·0	1·0	0·7	1·0	84·6	52·9	1·25
11	Clouded all day; cir.-cum., cir.-strat., and haze; lightning, thunder, and heavy rain from 11h till 17h; slight rain from 21h till 22h	1·0	1·0	1·0	1·0	80·0	57·5	0·92
12	Generally clouded till 13h; cir.-cum., cir.-strat., and haze	1·0	0·6	0·0	0·1	72·8	57·5	—
13	Mostly clear till 4h; remainder of the day clouded; cir.-cum., cir., and haze; slight rain from 11h till 13h	0·3	1·0	1·0	0·1	76·3	57·5	0·03
14	Generally clear; except some light cir. occasionally	0·6	0·1	—	—	73·8	53·7	—
15	Clear from 12h till 17h; remainder of the day clouded; cir.-cum. and haze; rain from 3h 30m till 13h 30m	—	—	0·1	0·8	67·5	41·2	0·58
16	Clouded till 9h; cir.-cum., cir.-strat., and haze; remainder of the day clear; slight rain from 2h till 5h	1·0	1·0	0·0	0·2	59·7	50·5	0·03
17	Generally clear; detached cir.-cum. dispersed occasionally	0·2	0·8	0·2	0·3	60·7	39·6	—
18	Generally clear; detached cir.-cum. dispersed occasionally	0·5	0·7	0·2	0·1	66·1	40·3	—
19	Generally clear	0·0	0·2	0·0	0·2	68·5	42·7	—
20	Partially clear till 4h; remainder of the day densely clouded; cum.-strat. and cir.-cum.	0·8	0·4	1·0	0·5	72·8	42·7	—
21	Partially clear all day; clouds; cir. and haze	0·2	0·8	—	—	71·8	54·7	—
22	Mostly clouded till 13h; haze; remainder of the day nearly clear	—	—	0·2	0·1	73·0	46·0	—
23	Partially clouded all day; cir.-cum. detached	0·2	0·8	0·6	0·7	66·7	49·7	—
24	Partially clear; clouds; cir.-cum., cum.-strat., and cir.	0·4	0·9	0·5	0·2	81·8	57·9	—
25	In general clear	0·1	0·0	0·0	0·0	79·8	54·5	—
26	In general clear	0·2	0·0	0·0	0·2	68·3	42·5	—
27	Mostly clear till 11h; remainder of the day clouded; cir., cir.-cum., and haze; occasional sheet lightning; rain from 18h	0·2	0·3	1·0	1·0	74·4	46·3	0·63
28	Rain continued till 3h; generally clouded; cir.-cum. and cir.-strat.; heavy shower of rain at 12h	1·0	0·4	—	—	76·2	54·7	0·63
29	Generally clouded; cir.-cum. and cum.-strat. detached	—	—	0·4	1·0	63·7	54·3	—
30	Generally clouded; partially at intervals; auroral light in N. at 10h	0·4	0·8	0·2	0·8	66·9	52·3	—

Toronto Mean Time.	Weather and Phenomena.	Extent of Cloudy Sky.				Max. Therm.	Min. Therm.	Rain.
		3h.	9h.	15h.	21h.			
	JULY.					°	°	In.
1	Clouded all day: cir.-cum. and cum.-strat.; rain from 1h 30m till 5h, and from 11h till 12h; sheet lightning in the W from 10h till 12h	1·0	1·0	1·0	1·0	59·5	47·9	0·76
2	Clouded till 11h; cir.-cum. and cum.-strat.; slight rain at 3h and 5h; remainder of the day mostly clear	1·0	1·0	0·4	0·7	58·0	48·4	—
3	Generally clouded; cir.-cum. and cir. dispersed; clear spaces	0·5	0·7	0·8	1·0	66·7	46·5	—
4	Mostly clouded till 1h; cir.-cum. and cum.; remainder of the day generally clear	0·1	0·4	0·1	0·0	66·2	49·7	—
5	Generally clear	0·2	0·1	—	—	67·5	45·9	—
6	Mostly clear; light cir. and haze occasionally	—	—	0·3	0·3	74·6	53·5	—
7	Generally clear; detached cum. and cir.-cum. occasionally	0·2	0·7	0·0	0·4	79·5	60·0	—
8	Generally clear; except occasional light cir.	0·1	0·0	0·0	0·1	83·6	55·4	—
9	Clear all day with very slight exceptions	0·1	0·1	0·0	0·0	84·0	52·9	—
10	Generally clear; overcast with haze from 19h till 21h	0·0	0·0	0·0	1·0	76·8	47·9	—
11	Quite clear all day	0·0	0·0	0·0	0·0	80·3	51·9	—
12	Generally clear	0·2	0·0	—	—	89·0	60·4	—
13	Partially clouded during most of the day; totally clouded from 13h till 17h; cir.-cum. and haze	—	—	1·0	0·9	95·0	69·0	—
14	Generally clouded till 9h; cir.-cum. dispersed; remainder of the day clear	0·5	0·5	0·0	0·2	91·0	69·2	—
15	Generally clear	0·0	0·0	0·2	0·6	89·6	61·4	—
16	Mostly clouded cum. and cum.-strat.; thunder and lightning from 1h till 2h; sheet lightning from 9h till 12h, and slight rain	1·0	1·0	1·0	1·0	88·8	58·7	0·03
17	Mostly clouded till 4h; detached cum. and cir.-cum.; clear intervals; remainder of the day clear	0·5	0·5	0·0	0·0	88·0	66·0	—
18	Generally clear till 10h; remainder of the day clouded; cir., cir.-strat., cir.-cum., and haze; halo round the moon at 13h, diameter about 35°, perfect	0·2	0·0	1·0	1·0	88·0	56·5	—
19	Generally clear	0·1	0·3	—	—	79·8	50·6	—
20	Generally clouded; cir.-cum. and haze	—	—	0·0	0·2	75·3	58·5	—
21	Clear from 12h till 22h, remainder of the day clouded with cir.-cum. and cum.-strat.; heavy storm of thunder and lightning accompanied by rain from 5h 50m till 6h 10m, passing from N. to S.	0·9	0·8	0·0	0·0	82·6	65·2	0·52
22	Clouded with cir.-cum. and cum.-strat. till 8h, remainder of the day clear; distant thunder in N.W. at 7h	0·6	0·2	0·2	0·6	89·0	59·0	—
23	Generally clear till 6h; remainder of the day clouded with cir.-cum. and cum.-strat.	0·3	0·9	1·0	1·0	78·0	57·2	—
24	Generally clouded till 10h; detached cir.-cum. and cir.-strat.; remainder of the day clear; auroral light in N. from 11h till 15h	0·6	0·5	0·1	0·4	67·3	53·7	—
25	Partially clear all day	0·8	0·4	0·6	0·7	71·6	49·5	—
26	Generally clouded; cir.-strat. and haze; clear spaces occasionally	0·4	1·0	—	—	78·6	50·9	—
27	Generally clouded; cir.-cum. scattered; clear intervals	—	—	1·0	0·4	79·0	54·0	—
28	Partially clear till 11h; remainder of the day clouded; cir.-strat., cum.-strat., and haze; slight rain from 21h	0·0	0·7	1·0	1·0	77·8	59·8	0·05
29	Generally clouded; cir.-cum. and haze; rain ceased at 0h; storm of thunder and lightning accompanied by rain between 4h and 5h; passing from S.W. to N.E.; lasting about 30m	1·0	1·0	0·7	1·0	73·2	52·7	0·72
30	Generally clouded; cir.-cum. and haze	1·0	1·0	0·3	0·1	69·8	56·0	—
31	Mostly clear; a few cir.-cum. dispersed about	0·2	0·1	1·0	0·4	60·8	45·7	—
	AUGUST.							
1	Mostly clouded till 7h; cir.-cum. and cir.-strat.; remainder of the day clear; auroral light in N. from 9h till 11h	1·0	0·0	0·0	0·2	67·9	48·5	—
2	Generally clear; cum. and cir.-cum. round horizon; auroral light in N. at 10h and 11h	0·3	0·2	—	—	74·0	44·7	—
3	Generally clear	—	—	0·1	0·3	73·2	41·5	—
4	Generally clear	0·2	0·0	0·0	0·0	75·8	52·3	—
5	Generally clear	0·2	0·0	0·0	0·1	80·8	52·3	—
6	Clouded from 1h till 6h; cir.-strat. and cir.-cum.; remainder of the day clear	0·8	0·0	0·0	0·3	80·2	55·3	—
7	Clear at 9h and 11h; remainder of the day mostly clouded; cir.-cum., cir., and haze; slight rain from 18h till 20h	0·6	0·0	1·0	1·0	80·6	56·3	0·08
8	Generally clouded; cir.-strat., cir.-cum., and haze; thes. lightning from 9h till 11h in S.E. and S.W.	1·0	0·8	0·7	0·5	84·8	56·1	—
9	Partially clear	0·4	0·5	—	—	78·0	62·6	—
10	Generally clouded; nim. and cum.-strat.; rain during the day and distant thunder	—	—	1·0	1·0	82·6	59·5	0·10
11	Generally clouded; cir.-cum., nim., and haze; rain from 0h 20m till 1h 20m, accompanied by lightning and thunder; clear from 18h till 23h	1·0	0·4	0·5	0·0	81·3	64·0	0·12
12	Generally clouded; cir. and haze; slight rain from 20h	0·8	0·7	0·4	1·0	77·8	57·2	0·05
13	Rain ceased at 0h; clouded till 7h and from 10h till 12h; cir.-cum., cir.-strat. and haze, remainder of the day clear; moderate rain between 2h and 3h; thunder and rain at 11h	1·0	0·1	0·0	0·0	79·8	53·3	0·19
14	Generally clear till 9h, remainder of the day clouded; cir.-cum., cum., and cir.-strat.	0·5	0·5	1·0	0·5	70·8	55·2	—

Toronto Mean Time.	Weather and Phenomena.	Extent of Cloudy Sky. 3h.	9h.	15h.	21h.	Max. Therm.	Min. Therm.	Rain.
D.	**AUGUST.**					°	°	In.
15	Partially clouded; cir. and cir.-cum. generally dispersed	0·0	0·6	0·7	0·0	74·9	55·3	—
16	Clear and unclouded	0·0	0·0	—	—	74·8	58·0	—
17	Generally clouded; cir. and hase; rain from 8h till 12h; a slight shower at 20h and 21h	—	—	1·0	1·0	78·6	55·5	0·46
18	Generally clouded; cir.-cum. and cum.-strat.; slight shower of rain at 0h and 20h	0·6	1·0	0·2	1·0	79·2	57·4	0·03
19	Generally clouded; cir.-cum., cir.-strat., and haze	0·3	1·0	0·4	0·4	82·0	65·2	—
20	Generally clear; some light cum. and cir.-cum. occasionally	0·3	0·2	0·6	0·3	74·5	61·8	—
21	Partially clouded; cir.-cum. and cum.	0·8	0·5	0·8	0·3	79·9	60·5	—
22	Generally unclouded; but hazy	0·2	0·1	0·0	0·3	82·0	62·5	—
23	Generally clear; light cir. and cir.-strat. occasionally	0·8	0·0	—	—	80·7	56·7	—
24	Generally clear	—	—	0·0	0·8	81·3	59·5	—
25	Partially clouded till 4h; cir.-strat. and cir.-cum.; remainder of the day clear	0·6	0·0	0·0	0·3	80·6	51·2	—
26	Generally clear; rain with lightning and thunder from 19h till 21h	0·2	0·0	0·1	1·0	79·1	55·7	—
27	Clouded till 6h; cir.-cum., cir.-strat., and haze; remainder of the day mostly clear	1·0	0·4	0·0	0·6	76·3	60·5	0·26
28	Generally clear	0·1	0·0	0·0	0·8	67·0	55·0	—
29	Clouded all day; cir.-cum., cir.-strat., and haze; rain with lightning and thunder from 8h till 16h	1·0	1·0	1·0	1·0	67·3	52·1	0·44
30	Clouded most of the day; cir.-cum. and cum.-strat.	0·7	0·9	—	—	78·6	58·8	—
31	Mostly clear; clouded from 18h	—	—	0·0	1·0	77·1	52·7	—
	SEPTEMBER.							
1	Clouded all day; cir.-cum., cir.-strat., and haze; raining from 2h till 2h 30m, and from 5h till 13h	1·0	1·0	—	1·0	70·6	51·2	0·63
2	In general clouded; cir.-cum., and cir.-strat.; slight rain from 5h till 8h; sheet lightning in S.W. and S. horizons from 8h till 12h	1·0	0·6	0·1	0·0	71·6	55·2	0·05
3	Mostly clear; cir.-cum. and cum.-strat. floating about occasionally; clouded from 18h	0·8	0·0	0·6	1·0	75·0	51·7	—
4	Clouded till 1h; cir.-cum., cir.-strat., and haze; remainder of the day clear	0·2	0·0	0·1	0·4	79·6	53·8	—
5	Mostly clouded till 4h; cir.-cum.; remainder of the day generally clear; showers of rain from 3h till 5h	0·8	0·0	0·4	1·0	78·2	54·0	0·06
6	Generally clouded; cir.-cum. and cir.-strat.; sheet lightning and distant thunder in W. and N.W. at 9h; rain from 9h till 11h	1·0	1·0	—	—	70·6	46·0	0·06
7	Generally clear	—	—	0·1	0·1	70·8	47·5	—
8	Mostly clear; light cir.-cum. and cir.-strat. round horizon; thunder-storm with heavy gusts of wind from 18h till 19h 30m; cleared suddenly	0·2	0·5	0·0	0·2	74·0	39·7	—
9	In general clear; partially clouded from 18h; showers in the 23rd hour	0·8	0·3	0·1	0·4	69·2	41·7	0·33
10	Partially clouded till 5h; cir.-cum. and cum.-strat.; clear till 21h; remainder clouded	0·4	0·0	0·0	0·6	66·9	46·0	—
11	Mostly clouded till 5h; cir.-cum. dispersed; partially clouded from 18h; remainder of the day clear	0·6	0·0	0·0	0·2	62·9	40·3	—
12	Partially clouded till 6h; remainder of the day clouded; cir., cir.-strat., and haze; halos round the sun at 2h, and round the moon at 8h; diameters about 30° and 40°, imperfect	0·5	1·0	1·0	1·0	63·1	40·9	—
13	Clouded all day; cir.-strat., cir.-cum., and haze; raining from 0h till 11h	1·0	1·0	—	—	57·0	43·5	1·00
14	Generally clouded till 11h; cir.-cum. and cir.-strat.; remainder of the day quite clear; showers during the day	—	—	0·0	0·3	63·3	53·8	0·83
15	Generally clear	0·1	0·0	0·0	0·6	69·0	48·5	—
16	Clear at 9h and 10h; remainder of the day partially clouded; cir.-cum. dispersed	0·5	0·0	0·6	1·0	68·5	34·0	—
17	Generally clouded; cir.-cum., cum.-strat., and haze; thunder, lightning, and rain, accompanied by hail, from 19h till 20h	1·0	0·5	0·4	0·8	57·6	37·7	0·08
18	Mostly clouded till 1h; cum.-strat., cir.-cum., and haze; remainder of the day clear	0·5	0·1	0·0	0·0	64·8	39·9	—
19	Clear till 7h; remainder of the day clouded; cir.-strat., cir.-cum., and haze; heavy storm of lightning, thunder, and rain, from 22h till 20d 2h	0·3	1·0	1·0	1·0	74·5	46·2	1·02
20	Storm ceased at 2h; mostly clouded; cir.-cum., cum.-strat., and haze; clear from 18h	1·0	0·3	—	—	63·0	46·2	0·05
21	Generally clear; lightly clouded from 18h	—	—	0·0	0·3	58·0	40·9	—
22	Generally clouded; cir.-cum. and haze; rain from 11h till 18h; constant rain from 18h till 23h	0·7	1·0	1·0	1·0	55·6	35·0[a]	0·10
23	Clouded all day; cir.-cum., cum., and haze; slight rain at intervals from 18h till 24h	1·0	1·0	0·8	1·0	55·4	35·9	0·88
24	Generally clouded till 11h; cum.-strat., cir.-cum., and haze; remainder of the day nearly clear; aurora from 9h till 15h	1·0	0·6	0·0	0·9	52·4	43·0	—
25	In general clouded; cir.-cum. and haze; faint auroral light in N. at 9h and 10h	1·0	0·6	1·0	1·0	52·0	41·7	—
26	Clouded till 6h; cir.-cum. and cir.-strat.; and from 18h; remainder of the day clear; showery	0·9	0·0	0·0	1·0	57·2	42·2	0·39
27	Clouded till 2h and at 6h; cir. and cir.-cum.; remainder of the day generally clear; slight rain from 20h till 21h	0·3	0·0	—	—	59·7	36·0	0·03
28	Partially clouded; dense cir.-cum. and haze	—	—	1·0	0·1	58·0	38·7	—
29	Partially clear till 2h; remainder of the day clouded; cir.-strat., cir., and haze; slight rain from 13h till 22h	0·7	1·0	1·0	1·0	62·2	50.6	0·05
30	Clouded till 0h; cir., cir.-cum., and haze; remainder of the day clear and clouded alternately; rain from 4h till 7h, and at 12h	1·0	1·0	0·0	0·5	69·8	56·0	0·61

[a] Taken from the lowest reading of the Standard Thermometer.

Toronto Mean Time.	Weather and Phenomena.	Extent of Cloudy Sky. 3h.	9h.	15h.	21h.	Max. Therm.	Min. Therm.	Rain.
D.	**OCTOBER.**					°	°	In.
1	Clouded till 5h; cir.-cum., and cum.; remainder of the day mostly clear; slight rain at 4h	1·0	0·1	0·0	0·0	63·7	50·4	—
2	Clouded all day with cir.-cum., cir.-strat., and haze; rain from 19h till 20h	0·9	1·0	1·0	1·0	59·5	40·7	—
3	Densely clouded all day; cir.-cum., cir., and haze; rain from 11h till 17h	1·0	1·0	1·0	1·0	59·6	46·0	0·24
4	Clouded with cir.-cum., cir.-strat., and haze till 8h; remainder of the day partially clear	1·0	0·4	—	—	56·8	49·9	—
5	Clouded till 3h; cir.-cum., cum., and haze; showery; clear from 12h	—	—	0·0	0·1	58·2	45·8	0·13
6	Generally clear all day	0·3	0·0	0·3	0·5	59·5	30·7	—
7	Mostly clouded; cir.-strat., cir., and haze; slight rain at 8h and 9h	1·0	1·0	1·0	1·0	50·3	33·7	0·08
8	Clouded all day; cir.-cum. and haze; rain from 2h till 11h	1·0	1·0	1·0	0·8	55·3	36·2	0·65
9	Mostly clear from 2h till 8h, and from 12h till 16h; remainder of the day clouded with cir.-cum.	0·5	0·8	0·0	0·8	59·0	45·6	—
10	Clouded all day; cir.-cum., cir.-strat., and haze; halo round the moon at 6h, diameter 30°, imperfect	1·0	1·0	1·0	1·0	63·3	46·1	—
11	Clouded all day; cir.-cum., cum.-strat., and haze; rain from 7h till 17h	1·0	1·0	—	—	59·8	46·1	0·20
12	Generally clouded; cir.-cum., cir.-strat., and haze; occasional showers of rain	—	—	1·0	0·0	56·2	44·7	0·27
13	Mostly clear till 11h; remainder of the day clouded; cir.-cum. and haze; rain from 18h till 20h	0·7	0·3	1·0	1·0	49·8	33·2	0·05
14	Generally clouded till 10h; cir.-cum., cir.-strat., and haze; remainder of the day clear; slight snow at 23h	0·3	1·0	0·0	0·4	54·3	35·7	—
15	Generally clear till 13h; clouded till 18h; cir.-cum. and haze; remainder of the day clear	0·6	0·0	1·0	0·5	52·8	24·7	—
16	Generally clear all day	0·1	0·0	0·0	0·2	44·2	27·1	—
17	Mostly clear till 14h; clouded till 21h; cir.-cum. and cum.-strat; remainder of the day clear	0·0	0·0	0·7	0·0	47·7	29·4	—
18	Clear till 1h; remainder of the day partially clouded; cir.-cum., cir.-strat., and haze	0·5	0·6	—	—	51·8	32·2	—
19	Generally clouded all day; cir.-cum. and haze	—	—	1·0	1·0	58·1	34·7	0·07
20	Clouded till 5h; cir.-strat. and haze; and from 18h till 24h; cir.-cum. and cum.-strat.; remainder of the day clear; auroral light in N. from 13h till 15h	1·0	0·0	0·0	1·0	64·0	38·0	—
21	Generally clouded till 10h; cir.-cum. and cum.-strat.; and from 18h till 22h; cir.-cum. and cir.-strat.; remainder of the day clear	0·4	1·0	0·0	0·6	42·0	21·4	—
22	Clear all day	0·0	0·0	0·0	0·0	34·2	19·7	—
23	Clear till 4h; remainder of the day clouded; cir.-cum. and haze	0·0	0·7	1·0	0·0	40·9	21·3	—
24	Quite clear till 22h; remainder of the day clouded; cir.-cum. and haze	0·0	0·0	0·0	0·0	49·8	23·2	—
25	Clouded all day; cir.-cum., cir.-strat., and haze	1·0	1·0	—	—	54·3	33·2	—
26	Overcast with cir. and haze till 13h; remainder of the day clear	—	—	0·0	0·0	50·8	41·2	—
27	Clear till 18h; remainder of the day clouded with cir.-cum. and haze	0·0	0·0	0·0	0·2	52·8	35·9	—
28	Clear all day	0·0	0·0	0·0	0·0	60·3	37·9	—
29	Clouded all day; cir.-cum., cir.-strat., and haze; sheet lightning at 6h and 7h	0·4	1·0	1·0	1·0	60·1	35·2	—
30	Clouded all day; cir.-cum., cir.-strat., and haze	1·0	1·0	1·0	1·0	61·3	35·5	—
31	Mostly clouded till 12h; remainder of the day clear; rain from 6h till 7h	1·0	0·2	0·0	0·9	61·5	48·4	0·08
	NOVEMBER.							
1	Overcast with cir.-cum., cir.-strat., and haze till 5h; remainder of the day clear	0·2	0·0	—	—	56·8	47·2	—
2	Densely overcast from 12h; a mixture of snow and rain from 12h till 13h; raining moderately at 14h	—	—	1·0	1·0	59·5	33·7	0·30
3	Clouded all day with slight exceptions; cir.-cum. and haze	1·0	1·0	0·7	0·8	44·9*	34·5	—
4	Clouded all day; cir.-cum., cir.-strat., and haze	1·0	1·0	1·0	1·0	49·5	36·3	—
5	Generally clouded; cum.-strat. and cir.-cum.; slight rain at 1h 20m	1·0	0·6	1·0	1·0	45·2	39·1	—
6	Clouded the greater portion of the day; cir.-cum. and cum.-strat.; slight rain from 0h till 3h	1·0	0·4	1·0	1·0	44·7	39·2	0·17
7	Clouded all day; cir.-cum., cir.-strat., and haze; rain from 11h till 17h	1·0	1·0	1·0	1·0	45·4	37·4	0·10
8	Clouded all day; cir.-cum. and haze; sleet at 2h; slight snow at 7h	1·0	1·0	—	—	42·5	36·2	0·02
9	Overcast with cir.-cum., cir.-strat., and haze	—	—	1·0	1·0	37·6	27·4	—
10	Clear from 4h till 10h; remainder of the day clouded; cir.-cum., cir.-strat., and haze	0·9	0·0	1·0	1·0	39·1	29·9	—
11	Clouded all day; cir.-cum. and haze	1·0	1·0	1·0	1·0	46·4	32·5	—
12	Generally clouded; cir.-cum. and cir.-strat.; a few clear spaces occasionally	0·7	1·0	0·9	0·9	43·9	28·7	—
13	Clear from 4h till 8h, and from 12h till 17h; remainder of the day generally clouded	0·8	1·0	0·0	1·0	42·2	29·1	—
14	Generally clouded cir.-cum. and cir.-strat.	0·8	0·5	1·0	0·3	50·2	34·3	—
15	Overcast with dense cir.-cum., cir.-strat., and haze	0·6	1·0	—	—	53·0	30·7	—
16	Unclouded at 14h; haze round horizon; overcast with light cir. and haze from 15h; raining from 21h 45m	—	—	0·0	1·0	43·6	30·5	0·15
17	Clouded all day; dense haze; rain continued till 4h, and from 10h till 12h, and at 17h	1·0	1·0	1·0	1·0	59·3	35·9	0·11
18	Clouded all day; cir.-cum. and haze; slight rain occasionally	0·8	1·0	1·0	1·0	49·4	37·2	0·03
19	Clear from 8h till 12h; remainder of the day clouded; cir.-cum., cum., and haze	1·0	0·0	1·0	1·0	53·7	45·2	—
20	Mostly clouded; cir.-strat. and haze	1·0	1·0	1·0	0·3	44·8	29·9	—
21	Partially clouded; cir.-cum. and cir.-strat., with clear spaces	0·6	0·3	0·4	1·0	53·8	34·7	—

* Taken from the highest reading of the Standard Thermometer.

Toronto Mean Time.	Weather and Phenomena.	Extent of Cloudy Sky. 3h.	9h.	15h.	21h.	Max. Therm.	Min. Therm.	Rain.
	NOVEMBER.							
D.						°	°	In.
22	Densely overcast with cir.-strat. and haze; particles of snow falling at 8h and slight rain at 12h	1·0	1·0	—	—	38·9	27·0	0·24
23	Clear and unclouded till 19h; clouded with cir.-cum. from 20h	—	—	0·0	1·0	39·6	30·5	—
24	In general clouded; with cir.-cum. and haze	0·4	1·0	1·0	1·0	34·5	21·6	—
25	Clouded all day; cir.-strat., cir.-cum., and haze	1·0	1·0	1·0	1·0	31·8	19·9	—
26	Clouded all day; cir. and haze; snowing from 13h till 23h 15m	1·0	1·0	1·0	1·0	40·4	27·2	—
27	Clouded till 5h; cir.-cum. and haze; partially clouded at 17h; remainder of the day clear	1·0	0·0	0·3	0·5	32·9	22·7	—
28	Partially clouded all day; cir.-cum. and cum., dispersed	0·6	0·4	0·1	1·0	22·9	8·6	—
29	Clouded with dense haze; constant moderate snow from 0h till 2h; slight snow at 8h	1·0	1·0	—	—	18·2	8·1	—
30	Clouded with dense haze; snow from 18h	—	—	1·0	1·0	24·2	15·7	—
	DECEMBER.							
1	Clouded from 0h till 14h, and from 19h; cir.-strat. and haze; snow from 0h till 4h	1·0	0·4	0·0	0·6	20·5	9·7	—
2	Clouded from 0h till 3h, and from 16h till 17h; cir.-cum. and cum.-strat.; remainder of the day generally clear	0·7	0·0	0·2	1·0	22 9	10·5	—
3	Clouded all day; cir.-cum. and haze; slight snow occasionally	1·0	1·0	1·0	1·0	17·1	−1·2	—
4	Clouded all day; cir.-cum. and haze; slight snow occasionally	1·0	1·0	1·0	0·1	28·2	9·8	—
5	Generally clear till 13h; remainder of the day clouded; cir. and haze	0·2	0·1	1·0	1·0	31·4	20·3	—
6	Densely overcast with cir.-cum., cum.-strat., and haze	1·0	1·0	—	—	26·7	19·8	—
7	Densely overcast; snow falling occasionally	—	—	1·0	1·0	27·7	18·4	—
8	Clouded all day; cir.-cum. and haze	1·0	1·0	1·0	1·0	25·9	17·7	—
9	Generally clouded; cum.-strat., cir.-cum., and haze; slight snow and squalls occasionally	1·0	1·0	0·5	0·9	32·5	25·4	—
10	Generally clouded; cir.-cum. and cum.-strat.; a few clear spaces occasionally	0·8	1·0	0·9	1·0	33·1	16·2	—
11	Clouded all day; cir.-cum. and haze	1·0	1·0	1·0	0·1	18·0	4·0	—
12	Clouded till 7h, and from 13h till 17h; remainder of the day clear	1·0	0·0	1·0	0·0	10·6	−2·4	—
13	Clouded from 5h with cir.-cum. and haze; remainder of the day clear	0·0	1·0	—	—	22·7	−0·4	—
14	Clouded with cir.-cum., cir.-strat., and haze	—	—	0·4	1·0	39·2	13·2	—
15	Clouded from 20h, and partially clouded from 18h; remainder of the day clear	0·1	0·0	0·0	0·9	39·7	31·2	—
16	Clouded till 2h; partially clouded till 12h; cir.-cum. and cum.-strat.; remainder of the day clear; halos round the moon at 12h and 16h, diameters respectively 35° and 25°, perfect	0·7	0·3	0·0	1·0	33·3	22·1	—
17	Clouded all day; cir., cir.-cum., and haze; slight hail and drizzling rain occasionally	1·0	1·0	1·0	1·0	34·4	19·9	—
18	Generally clear; cir.-cum., cir.-strat., and haze, occasionally	0·3	0·5	0·2	1·0	38·2	24·1	—
19	Clouded till 12h; cir.-cum. and haze; remainder of the day nearly clear; snow occasionally	1·0	1·0	0·1	1·0	35·2	6·5	—
20	Clouded; cir.-strat. and haze; a few particles of snow at 8h	1·0	1·0	—	—	14·2	1·6	—
21	Clouded from 18h; cir.-cum. and cir.-strat., dispersed; remainder of the day clear	—	—	0·7	1·0	17·1	8·9	—
22	Clouded till 5h, and from 16h till 17h; cir.-cum. and haze; remainder of the day clear	1·0	0·0	0·0	1·0	20·7	10·3	—
23	Clouded all day; cir.-cum. and haze	0·9	1·0	1·0	1·0	20·7	9·1	—
24	Clouded till 11h with cir.-cum., cum.-strat., and haze; remainder of the day clear	1·0	1·0	—	—	26·5	13·7	—
25	Clouded at 17h with cir.-cum., cum.-strat., and haze; remainder of the day clear	—	—	0·0	0·0	28·7	18·2	—
26	Generally clear	0·1	0·0	0·0	0·6	27·0	12·0	—
27	Clouded all day with cir.-cum., cir.-strat., and haze	1·0	1·0	—	—	22·2	9·2	—
28	Clouded throughout the day with cir.-cum., cir.-strat., and haze	—	—	1·0	1·0	30·7	15·7	—
29	The day was generally clouded; cir.-cum., cum.-strat. and haze	1·0	1·0	1·0	1·0	34·6	25·0	—
30	Generally clouded till 12h; cir.-cum., cum.-strat., and haze; remainder of the day clear	1·0	1·0	0·0	1·0	35·5	28·2	—
31	Generally clouded till 8h; cum.-strat. and haze; remainder of the day mostly clear	1·0	0·0	0·3	—	37·6	9·2	—

Times of Observation *at which the* Magnetometers *were disturbed, but the mean readings were not materially changed.*

(Continued from the record for 1841, in the first part of the first volume of Observations on Days of Unusual Magnetic Disturbance.

The H. F. magnet is said to be "considerably" or "very much" disturbed when it vibrates in an arc of 35 to 45 scale divisions; to be "much" disturbed when it vibrates in an arc of 20 to 35 divisions; "moderately" when in an arc of 10 to 20 divisions; and "slightly" when in an arc of 5 to 10 divisions. The same terms are used for the Declin. Magnet when it vibrates through half the above number of scale divisions. The times are Mean Toronto Time, astronomical reckoning.

1842. JANUARY. D.	H.	
2	12	H. F. much vib. and shocks; Dec. slight vib. and shocks.
	14	H. F. very much vib. and shocks; Dec. and V. F. moderate vib.
	16	H. F. very much vib. and shocks.
	18	H. F. very much vib. and shocks; Dec. very much shocks.
	20	H. F. very much vib. and shocks; Dec. much vib. and shocks; V. F. much vib.
	22	Dec. slight vib.; H. F. much vib.
7	14	H. F. slight vib.
	18	H. F. much vib.
	20	H. F. much vib. and shocks; Dec. slight vib.
12	10	H. F. slight vib.
	12	Dec. mod. vib.; H. F. considerable vib.
	14	Dec. mod. vib.; H. F. considerable vib.
	16	Dec. mod. vib. and shocks; H. F. much vib. and shocks.
	18	Dec. mod. vib. and shocks; H. much vib. and shocks.
	20	Dec. and V. F. mod. vib. and shocks; H. F. much vib. and shocks.
	22	Dec. and H. F. slight vib.
13	0	Dec. and H. F. slight vib.
16	16	V. F. slight vib.
	20	Dec. and H. F. slight shocks.
17	20	H. F. mod. vib. and shocks.
	2	Dec. and H. F. mod. shocks.
	8	Dec. and H. F. much vib. and shocks.
20	20	H. F. slight vib. and shocks; V. F. slight vib.
	22	H. F. slight vib. and shocks.
	6	H. F. slight vib.
	8	H. F. mod. vib.
	10	Dec. and H. F. mod. shocks.
21	12	Dec. much shocks; H. F. mod. vib. and shocks; V. F. mod. vib.
	14	Dec. and H. F. slight vib. and shocks; V. F. slight vib.
	16	Dec. and H. F. mod. vib. and shocks.
	18	Dec. mod. vib. and shocks; H. F. much vib. and shocks; V. F. much vib.
	20	Dec. mod. vib. and shocks; H. F. much vib. and shocks; V. F. much vib.
	22	Dec. and H. F. much shocks; V. F. much vib.
22	0	Dec. and H. F. slight shocks; 2 p. m. Dec. and H. F. slight shocks.
	8	H. F. much shocks.
23	12	H. F. mod. vib. and shocks.
	14	H. F. slight vib. and shocks.
	16	H. F. mod. vib. and shocks.
	18	H. F. mod. vib.; Dec. slight vib.
	20	Dec. and H. F. mod. shocks.
	22	Dec. and H. F. mod. shocks.
26	12	Dec. slight shocks; H. F. slight vib.
	14	H. F. mod. vib. and shocks.
31	14	Dec. and H. F. slight vib.
	22	H. F. mod. shocks.
FEBRUARY.		
1	0	H. F. slight shocks.
	2	H. F. slight shocks.
7	18	H. F. slight vib. and mod. shocks.
	20	H. F. mod. vib. and shocks.
	22	H. F. much vib. and mod. shocks.
8	0	H. F. mod. vib. and shocks; V. F. slight vib.
	2	Dec. and H. F. mod. vib. and shocks.
	4	Dec. mod. vib. and shocks; H. F. much vib.
	6	Dec. mod. vib. and shocks; H. F. much vib.
	8	Dec. slight vib. and shocks; H. F. considerable vib. and shocks; V. F. slight vib.
	10	Dec. and H. F. slight vib. and shocks; V. F. much vib.
	12	Dec. slight vib.; H. F. slight vib. and shocks.
	14	Dec. and H. F. slight vib. and shocks; V. F. slight vib.

FEBRUARY. D.	H.	
	18	Dec. and H. F. mod. vib. and shocks.
	20	Dec. and H. F. mod. vib. and shocks.
	22	H. F. much shocks and slight vib.
9	18	Dec. and H. F. mod. shocks.
10	10	H. F. slight vib. and shocks.
11	14	H. F. slight vib.
	16	H. F. slight vib. and shocks.
13	20	H. F. mod. vib. and shocks.
	22	H. F. mod. vib. and shocks.
14	0	H. F. slight vib. and shocks.
	2	Dec. mod. vib. and much shocks.
	8	Dec. and H. F. mod. vib.; V. F. slight vib.
	10	Dec. and V. F. slight vib.; H. F. considerable vib. and shocks
	12	H. F. considerable vib. and shocks; V. F. mod. vib.
	14	H. F. mod. vib.; dec. slight vib.
	16	H. F. slight vib.
	20	H. F. slight vib. and shocks.
	22	H. F. much shocks.
15	6	H. F. slight shocks.
	8	H. F. mod. vib. and shocks.
	10	H. F. mod. vib. and shocks; Dec. slight vib. and shocks.
16	12	Dec. mod. shocks; H. F. much vib. and shocks.
	14	Dec. slight vib.; H. F. much vib.
	16	Dec. mod. shocks; H. F. mod. vib. and shocks.
	18	Dec. much shocks; H. F. much vib.
18	6	H. F. slight vib.
	20	Dec. and H. F. mod. shocks.
19	0	H. F. mod. shocks.
	2	H. F. mod. vib.
20	12	H. F. slight vib
	14	H. F. mod. vib.
	20	H. F. slight vib. and shocks.
22	14	H. F. mod. vib.
	16	Dec. slight vib. and shocks; H. F. mod. vib. and shocks.
	18	H. F. mod. vib. and much shocks.
	22	H. F. slight vib. and shocks.
24	0	H. F. much shocks.
	6	Dec. mod. shocks.
	18	Dec. and H. F. mod. vib. and shocks; V. F. mod. vib.
	20	Dec. and H. F. mod. shocks.
27	18	H. F. mod. vib.
	20	H. F. mod shocks.
MARCH.		
1	4	H. F. slight shocks.
	22	H. F. slight shocks.
4	16	Declination slightly vibrating; H. F. slight shocks.
	18	Dec. H. F. and V. F. slightly vibrating.
	20	Dec. and H. F. slightly vibrating and shocks; V. F. slightly vibrating
5	2	H. F. slight shocks.
	4	
7	2	H. F. slight shocks.
10	16	Dec. and H. F. slightly vibrating.
11	14	H. F. slightly vibrating, and shocks.
	16	
	18	H. F. moderately vibrating.
	20	H. F. slightly vibrating and shocks.
15	18	H. F. slightly vibrating.
	20	
20	12	Dec. slight shocks; H. F. slight vibrations and shocks.
	14	H. F. moderately vibrating and slight shocks.
	16	H. F. slight shocks.
	18	Dec. and H. F. moderate shocks.
	20	Dec. moderate shocks; H. F. moderately vibrating and shocks.
	22	H. F. moderately vibrating.

TIMES OF OBSERVATION *at which the* MAGNETOMETERS *were disturbed, but the mean readings were not materially changed*—continued.

MARCH.		
D.	H.	
21	10	Dec. and H. F. slight shocks.
24	10	Dec. and H. F. slightly vibrating.
26	2	H. F. moderate shocks.
27	12	H. F. slight shocks.
	14	Dec. and H. F. slightly vibrating.
	18	Dec. and H. F. moderately vibrating and shocks.
29	0	H. F. moderate shocks.
	6	H. F. slight shocks.
30	12	H. F. moderately vibrating.
	16	H. F. moderately vibrating.
	18	Dec. slightly, and H. F. moderately, vibrating and shocks.
	20	
	22	Dec. moderate shocks; H. F. moderate vibrations and shocks.
31	0	Dec. slight shocks; H. F. slight vibrations and shocks.
	14	Dec. slight vib. and shocks.
	16	Dec. slight vib. and shocks; H. F. slight vib.
	18	H. F. very much vib.
	20	H. F. much shocks.
	22	H. F. mod. shocks.

APRIL.		
1	0	H. F. slight shocks.
	2	H. F. slight shocks.
	10	Dec. and H. F. slight vib.
3	12	Dec. much shocks.
	22	H. F. slight vib. and shocks.
4	0	H. F. slight vib. and shocks.
11	12	H. F. much vib. and shocks.
	20	H. F. slight vib.
	2	H. F. slight shocks.
13	4	H. F. slight shocks.
22	14	H. F. mod. vib.; V. F. slight vib.
	16	Dec. slight shocks; H. F. mod. vib.; V. F. slight vib.
	18	H. F. much vib. and shocks; Dec. slight shocks.
	20	Dec. and H. F. slight shocks.
23	0	Dec. and H. F. much shocks; H. F. much vib.
27	14	H. F. mod. vib. and shocks.
	16	H. F. slight shocks.
	18	Dec. slight vib.; H. F. mod. vib.
	20	Dec. slight vib. and shocks; H. F. mod. vib. and shocks.
28	14	H. F. slight vib.
	16	Dec. slight vib.; H.F. mod. vib.

MAY.		
1	16	H. F. slightly vibrating.
	18	Dec. slight shocks; H. F. moderately vibrating and shocks.
3	18	Dec. moderately vibrating; H. F. slightly vibrating and shocks.
4	16	Dec. slightly vibrating; H. F. moderately vibrating.
5	20	Dec. slightly vibrating and shocks; H. F. slight shocks.
	22	H. F. slight shocks.
6	0	Dec. and H. F. slight shocks.
	18	Dec. moderate vibrations and shocks; H. F. moderate shocks.
	20	Dec. slightly; H. F. moderately vibrating and shocks.
8	12	H. F. slightly vibrating.
	14	Dec. slight shocks; H. F. moderately vibrating and shocks.
	16	H. F. moderately vibrating and shocks.
	18	Dec. slightly vibrating; H. F. much vibrations.
	20	Dec. moderate shocks; H. F. much vibrations and shocks.
9	18	H. F. slightly vibrating.
11	14	H. F. slight shocks.
13	14	H. F. slightly vibrating.
	16	H. F. and V. F. slightly vibrating.
	18	Dec. slightly; H. F. moderately vibrating and shocks.
	20	H. F. slight vibrations and shocks.
16	16	Dec. slightly vibrating; H. F. moderately vibrating.
	18	Dec. and H. F. moderately vibrating and shocks; V. F. much vibrating
	20	Dec. slight shocks; H. F. much vibrations and shocks.
	22	H. F. slightly vibrating.
17	22	Dec. slight shocks; H. F. slightly vibrating.

MAY.		
D.	H.	
18	2	H. F. moderate shocks.
	16	H. F. moderate vibrations and shocks.
	22	Dec. and H. F. slight vibrations and shocks.
19	0	H. F. slightly vibrating.
	16	Dec. and H. F. slight vibrations and shocks.
	18	Dec. slight; H. F. moderate vibrations and shocks.
	20	H. F. moderate vibrations and shocks.
20	16	H. F. moderate vibrations.
	18	Dec. moderate; H. F. moderate vibrations and shocks; V. F. moderate vibrations.
	20	Dec. and H. F. moderate vibrations and shocks.
25	4	H. F. slight shocks.
	18	Dec. slight; H. F. moderate vibrations and shocks; V. F. moderate vibrations.
	20	Dec. slight; H. F. moderate vibrations and shocks.
26	20	H. F. slight vibrations and shocks.
31	16	H. F. slight vibration.

JUNE.		
1	18	Declin. slight; H. F. moderate vibrations and shocks; V. F. slight vibrations.
5	16	H. F. slight vibrations and shocks.
	18	Declin. and H. F. moderate shocks.
6	14	Declin. and H. F. slight vibrations.
	16	H. F. and V. F. slight vibrations.
8	20	Declin. slight; H. F. moderate shocks.
	22	H. F. slight shocks
9	2	H. F. slight shocks.
10	14	H. F. much vibration.
	18	Declin. and H. F. slight vibration and shocks.
13	22	Declin. and H. F. slight shocks.
14	2	H. F. slight vibration and shocks.
	4	H. F. slight shocks.
15	2	H. F. slight vibration.
	20	Declin. and H. F. slight shocks.
16	10	H. F. moderate vibration and slight shocks.
17	16	H. F. slight vibration.
	22	H. F. much shocks.
18	0	H. F. slight shocks.
19	20	H. F. slight vibrations and shocks.
23	18	Declin. slight vibrations; H. F. moderate vibrations and shocks.
	20	Declin. slight vibrations; H. F. moderate vibrations and shocks.
24	16	H. F. slight shocks.
	20	H. F. slight shocks.
25	0	Declin. and H. F. slight vibrations and shocks.
27	0	H. F. slight shocks.
29	18	Declin. and H. F. slight shocks.

JULY.		
1	10	H. F. slight vibrations.
	11	
2	1	Declin. and H. F. slight vibrations.
4	17	H. F. moderate shocks.
	21	H. F. slight vibrations.
	23	
5	0	H. F. moderate vibrations.
	1	
	17	H. F. much vibration and shocks.
	18	H. F. moderate shocks.
	19	H. F. moderate vibration.
	21	H. F. slight vibration.
6	13	H. F. slight vibration.
	17	Declin. moderate; H. F. much vibration and shocks.
	18	Declin. and H. F. slight vibration and shocks.
	19	
8	8	H. F. much shocks.
	17	Declin. and H. F. moderate shocks.
	19	H. F. slight shocks.

TIMES OF OBSERVATION *at which the* MAGNETOMETERS *were disturbed, but the mean readings were not materially changed*—continued.

JULY. D.	H.	
9	9	H. F. slight shocks.
	10	
	11	H. F. slight vibration and shocks.
10	17	Declin. slight vibrations; H. F. moderate vibration and shocks.
	18	
	19	Declin. slight vibration; H. F. much shocks.
	20	H. F. moderate shocks.
	22	Declin. and H. F. slight vibrations.
	23	
11	11	Declin. slight shocks.
	17	Declin. and H. F. moderate shocks.
	18	H. F. moderate shocks.
	19	
15	17	H. F. slight vibration.
	18	Declin. and H. F. slight vibration.
	19	H. F. much vibration.
	20	H. F. slight vibration.
	21	
17	17	Declin. and H. F. slight shocks
	18	
18	19	
	22	H. F. moderate shocks.
	23	H. F. moderate shocks and slight vibrations.
19	13	H. F. slight shocks.
	14	H. F. moderate shocks and slight vibrations.
	15	H. F. moderate vibrations and shocks.
	16	
	17	
	18	H. F. moderate vibrations.
	19	
	20	Declin. slight vibrations and shocks; H. F. moderate vibrations and shocks
	21	Declin. and H. F. moderate vibration and shocks.
21	18	H. F. much vibration.
23	3	H. F. moderate vibrations.
24	15	H. F. much vibration.
	16	Declin. and H. F. much vibration.
	17	Declin. moderate; H. F. much vibration and shocks; V. F. slight vibration.
	18	
	19	
	20	
	21	H. F. moderate vibration.
25	3	H. F. moderate vibration.
	11	H. F. slight shocks.
	15	
	16	
	17	
	18	
	19	
	20	Declin. and H. F. slight vibrations.
27	19	Declin. and H. F. moderate shocks
	20	
	22	H. F. slight vibrations.
	23	
28	18	Declin. and H. F. slight shocks.
	19	Declin. and H. F. slight vibrations and shocks.
	20	Declin. and H. F. slight shocks.
	21	
	22	
	23	H. F. slight shocks.
29	19	Declin. moderate shocks.
31	12	Declin. and H. F. slight shocks and moderate vibrations.
	13	
	14	H. F. slight shocks.
	15	H. F. moderate vibrations and slight shocks.
	16	
	17	Declin. and H. F. moderate vibrations and shocks.
	18	Declin. moderate; H. F. much vibration and shocks.
	19	Declin. slight; H. F. moderate vibration and shocks.
	20	
	21	H. F. moderate shocks.

AUGUST. D.	H.	
1	17	Declin. and H. F. moderate vibration and shocks.
	18	Declin. and H. F. moderate vibration and shocks.
	19	
	22	H. F. slight vibrations.
2	17	H. F. slight vibrations and shocks.
	19	Declin. moderate; H. F. much shocks.
4	13	H. F. slight shocks.
	14	
	15	H. F. slight shocks.
	16	
	20	Declin. slight; H. F. much shocks.
5	2	H. F. slight vibrations.
	10	Declin. slight shocks; H. F. moderate vibration and shocks.
	11	H. F. slight shocks.
6	5	H. F. slight shocks.
	6	
	7	Declin. and H. F. slight shocks.
8	4	H. F. slight shocks.
	6	H. F. slight shocks.
	7	
	8	H. F. slight shocks.
11	22	H. F. slight vibrations.
12	1	H. F. slight shocks.
	9	H. F. moderate vibrations.
14	17	H. F. moderate vibrations and shocks
	18	H. F. slight vibrations and shocks.
	19	
	20	
15	1	H. F. slight shocks.
	4	H. F. slight shocks.
	17	Declin. and H. F. moderate shocks.
	18	Declin. and H. F. slight shocks.
	19	Declin. and H. F. much shocks.
16	13	H. F. slight vibrations and shocks.
	14	H. F. slight shocks.
	15	
17	10	H. F. slight vibrations and shocks
	11	H. F. slight vibrations and moderate shocks
18	5	H. F. moderate shocks.
	6	H. F. slight shocks.
	7	H. F. slight vibration and shocks.
19	16	H. F. slight vibrations.
21	15	Declin. slight; H. F. much vibrations and shocks.
	16	H. F. much vibration.
	17	Declin., H. F., and V. F. much vibrations
	18	
	19	Declin. and H. F. slight vibrations.
	20	H. F. slight vibrations.
	21	H. F. slight vibrations.
	22	H. F. slight shocks.
22	12	H. F. slight vibrations.
	15	
	18	Declin. and H. F. moderate vibrations and shocks; V. F. slight vibrations.
	19	Declin. and H. F. moderate vibrations and shocks
	20	Declin. and H. F. moderate shocks.
23	18	Declin. and H. F. moderate shocks.
	19	Declin. moderate; H. F. much shocks.
	20	Declin. slight; H. F. much shocks.
	22	Declin. and H. F. slight shocks.
	23	
24	4	H. F. slight vibration and shocks.
	5	H. F. slight shocks.
	17	H. F. moderate vibrations and shocks.
	18	
25	3	H. F. slight shocks.
26	2	H. F. moderate vibrations and shocks.
	3	H. F. moderate vibrations.
28	16	H. F. slight shocks.
29	16	Declin. and H. F. slight vibrations and shocks.
	17	Declin., H. F., and V. F. slight vibrations.

TIMES OF OBSERVATION *at which the* MAGNETOMETERS *were disturbed, but the mean readings were not materially changed*—continued.

D.	H.	
AUGUST.		
29	18	Declin. slight; H. F. much vibration and shocks; V. F. vibrations.
	19	H. F. moderate vibrations and shocks.
30	14	Declin. slight vibrations; H. F. slight shocks.
	15	Declin. and H. F. slight vibrations.
	16	
	18	H. F. moderate vibrations and shocks; Declin. moderate shocks.
	19	H. F. moderate vibrations; much shocks.
	20	H. F. moderate vibrations and shocks.
SEPT.		
1	13	H. F. much vibration and shocks.
2	14	H. F. slight vibration.
	17	Declin. and H. F. moderate vibrations.
	18	Declin. and H. F. moderate vibrations and shocks; V. F. moderate vibrations.
	19	H. F. moderate vibrations and shocks.
	20	Declin. and H. F. moderate vibrations and shocks; V. F. slight vibrations.
	21	Declin. and H. F. moderate shocks.
5	14	H. F. slight vibrations.
	15	
	16	H. F. moderate vibrations; Declin. slight vibration and shocks.
	17	Declin. and H. F. much vibration and shocks; V. F. slight vibration.
	18	
	19	Declin. and H. F. moderate vibrations and shocks.
	20	
7	12	H. F. moderate shocks.
	17	Declin. moderate; H. F. much shocks.
	18	Declin., H. F., and V. F. slight vibrations; H. F. much shocks.
	19	Declin., H. F., and V. F. slight vibrations; Declin. moderate shocks.
	20	Declin., H. F., and V. F. slight vibrations; Declin. and H. F. much shocks.
8	21	H. F. much vibration.
	22	H. F. slight vibrations.
9	17	H. F. moderate shocks.
12	10	H. F. slight shocks.
	13	H. F. slight vibrations.
	17	H. F. slight vibrations.
	18	
	19	H. F. slight vibrations; V. F. very slight vibrations.
13	17	
	18	Declin. and H. F. moderate shocks.
14	6	H. F. slight shocks.
16	9	Declin. and H. F. slight shocks.
	15	H. F. much vibration.
	17	H. F. moderate vibration and shocks.
	18	H. F. moderate vibration and shocks.
	19	H. F. moderate vibration and shocks; Declin. slight shocks.
	20	Declin. and H. F. moderate vibrations and shocks.
	21	H. F. moderate vibrations and slight shocks.
18	17	Declin. and H. F. moderate vibrations and shocks.
	18	Declin. and H. F. moderate vibrations and shocks; V. F. slight vibrations.
	19	Declin. slightly, H. F. much vibrations and shocks.
	20	H. F. moderate vibrations and shocks.
19	2	H. F. moderate shocks.
	13	
	14	Declin. and H. F. slight vibrations and shocks.
	15	
	16	H. F. much vibration and shocks.
	17	
	18	Declin. slight vibration; H. F. much vibration and shocks.
	19	H. F. moderate vibration and shocks.
	20	H. F. moderate vibrations.
	23	H. F. slight vibrations.
20	1	
	3	H. F. slight vibrations.
	18	H. F. much shocks.
	19	Declin. and H. F. much shocks.
	20	Declin. and H. F. slight shocks.

D.	H.	
SEPT.		
20	21	
	22	Declin. and H. F. slight shocks.
21	18	H. F. much vibration.
22	13	
	14	
	15	H. F. much vibration.
	16	
	17	Declin. and H. F. moderate vibrations and shocks.
	18	Declin. slight; H. F. moderate vibrations and shocks.
	19	
	20	Declin. and H. F. slight vibration and shocks.
	21	
	22	H. F. slight vibration and shocks.
25	17	
	18	
	19	H. F. moderate vibrations and shocks.
26	18	Declin. and H. F. moderate shocks.
28	16	H. F. very much vibrations.
	17	H. F. moderate vibrations and shocks.
	18	H. F. moderate vibrations and shocks; V. F. slight vibrations.
	19	H. F. moderate vibrations; much shocks; V. F. moderate vibrations.
	20	Declin. and H. F. slight shocks.
OCTOBER.		
2	14	H. F. slight vibration.
	20	H. F. much shocks.
3	13	H. F. slight vibration and shocks.
	14	
	15	H. F. much vibration.
	16	
4	14	Declin. and H. F. slight vibration and shocks.
	15	
	16	H. F. moderate vibrations and shocks.
	17	
	18	Declin. moderate; H. F. much vibration and shocks.
	19	H. F. moderate shocks.
	20	Declin. slight shocks; H. F. moderate vibration and shocks.
5	2	
	3	H. F. slight vibration.
	4	
	17	Declin. moderate vibration and shocks.
	18	Declin. and H. F. slight; V. F. much vibration.
	20	Declin. slight; H. F. much shocks.
6	17	Declin. and H. F. moderate vibrations and shocks.
	18	Dec. and H. F. moderate vibrations and shocks; V. F. moderate vibrations.
	19	H. F. slight shocks.
	20	H. F. moderate vibrations and shocks.
7	17	V. F. moderate vibrations.
9	17	Declin. slight; H. F. moderate vibration and shocks.
	18	
	19	Declin. slight; H. F. and V. F. moderate vibrations.
	20	H. F. slight vibrations and shocks; V. F. slight vibrations.
11	17	H. F. moderate shocks.
	18	
	19	H. F. moderate vibrations and shocks.
	20	H. F. slight shocks.
12	14	H. F. slight shocks.
	16	H. F. slight vibrations and shocks.
	18	H. F. slight vibrations and shocks.
	19	
	20	Declin. and H. F. moderate vibration and shocks; V. F. slight vibrations.
13	16	H. F. slight vibrations and shocks.
	17	Declin. and H. F. moderate shocks.
	18	H. F. slight vibrations.
	19	
14	11	H. F. moderate shocks.
	12	H. F. slight vibrations and shocks.
	19	Declin. moderate shocks.

TIMES OF OBSERVATION *at which the* MAGNETOMETERS *were disturbed, but the mean readings were not materially changed*—continued.

OCTOBER.		
D.	H.	
14	21	H. F. slight shocks.
	22	
	23	
17	4	H. F. slight vibrations.
	6	
	8	H. F. and V. F. slight vibrations and shocks.
	15	H. F. slight vibrations and shocks.
	16	
	17	Declin. moderate shocks; H. F. moderate vibration and shocks.
	18	H. F. moderate vibrations and shocks.
	19	Declin. and H. F. moderate vibrations and shocks; V. F. moderate vibrations.
	20	
	21	Declin. moderate shocks; H. F. moderate vibrations and shocks; V. F. moderate vibrations.
	22	H. F. slight vibrations and shocks; V. F. moderate vibrations.
	23	Declin. and H. F. moderate vibrations and shocks; V. F. moderate vibrations.
18	0	Declin. and H. F. moderate shocks.
	1	Declin. and H. F. moderate vibrations and shocks.
	2	
	3	Declin. slight vibrations; H. F. much vibration.
	4	
	5	Declin. slight vibrations and shocks; H. F. slight vibrations.
	22	H. F. slight vibrations.
	23	
19	0	H. F. slight vibrations and shocks.
20	14	Declin. and H. F. much vibration.
	15	
	17	H. F. moderate vibration; Declin. moderate vibration and shocks; V. F. slight vibrations.
	18	Declin. and H. F. moderate vibration and shocks.
	19	Declin. and H. F. slight, and moderate vibrations and shocks.
	20	Declin. and H. F. slight, and moderate vibrations and shocks.
	22	Declin. and H. F. slight shocks.
21	7	V. F. moderate vibrations.
23	20	Declin. and H. F. slight vibrations and shocks.
	21	
	22	
	23	H. F. slight vibrations.
24	0	H. F. slight vibrations.
	18	H. F. moderate vibrations and shocks.
	22	H. F. moderate vibrations.
25	15	H. F. moderate vibrations and shocks.
	16	
	17	Declin. slight; H. F. and V. F. much vibration.
	18	Declin. and H. F. moderate vibration and shocks.
	21	H. F. slight vibration.
27	21	H. F. slight vibration.
29	6	H. F. slight shocks.
	7	
	8	Declin. slight shocks; H. F. moderate vibration and shocks.
	9	Declin. and H. F. slight shocks.
	10	
31	13	H. F. and V. F. much vibration.
	14	H. F. slight vibration.
	15	
	16	
	19	H. F. slight vibrations.

NOVEMBER.		
3	13	Declin. slight vibration; H. F. moderate vibration.
	14	Declin. slight vibration; H. F. moderate vibration.
	15	Declin. slight vibration; H. F. moderate vibration.
	16	H. F. slight vibration.
	17	
	18	
	19	Declin. and H. F. slight vibration.
	21	H. F. much vibration.
	22	H. F. slight vibration.
4	15	H. F. slight vibration.

NOVEMBER.		
D.	H.	
4	17	H. F. slight vibration.
	18	H. F. slight vibrations.
6	12	V. F. much vibration.
	17	V. F. vibrating.
8	11	H. F. slight vibration.
17	21	H. F. moderate vibrations and shocks.
	22	H. F. moderate vibrations and slight shocks.
	23	H. F. moderate vibration and shocks.
18	0	Declin. and H. F. moderate vibrations and shocks.
	1	Declin. moderate shocks; H. F. and V. F. moderate vibration.
	2	Declin. and H. F. moderate vibration and shocks; V. F. slight vibration.
	3	H. F. moderate vibration; Declin. moderate shocks; V. F. slight vibration
	4	Declin. and H. F. moderate vibration and shocks; V. F. slight vibration
	5	Declin. and H. F. moderate vibrations and shocks.
	6	Declin. and H. F. moderate vibrations and shocks.
	7	Declin. and H. F. moderate vibrations and shocks.
	8	Declin. and H. F. moderate vibrations and shocks.
	9	Declin. and H. F. moderate vibration and shocks; V. F. slight vibration.
	10	Declin. and H. F. moderate vibration and shocks; V. F. slight vibration.
	11	H. F. much vibration.
	12	Declin. and H. F. slight vibration.
	13	H. F. moderate vibration and slight shocks.
	14	H. F. moderate vibration and slight shocks.
	15	H. F. slight vibration and shocks.
	16	Declin. and H. F. slight shocks.
20	12	Declin. and H. F. moderate shocks.
	13	Declin. and H. F. slight shocks.
	14	Declin. and H. F. slight shocks.
	15	H. F. slight shocks.
21	11	H. F. slight shocks.
	12	H. F. moderate shocks.
22	21	H. F. much vibration.
	22	H. F. much vibration.
23	15	H. F. much vibration.
	16	H. F. much vibration.
24	22	H. F. moderate vibration.
	23	Declin. slight shocks.
25	0	Declin. slight shocks; H. F. moderate vibration.
27	12	Declin. slight vibration; H. F. moderate vibration.
	13	Declin. slight vibration; H. F. much vibration.
	14	H. F. slight vibration.
28	13	H. F. much vibration.

DECEMBER.		
1	21	H. F. much vibration.
	22	H. F. much vibration.
2	1	H. F. very much vibration.
	23	H. F. considerable vibration and slight shocks.
5	14	H. F. slight vibration.
	15	H. F. slight vibration.
	16	H. F. slight vibration.
8	5	H. F. slight vibration and much shocks.
	6	H. F. slight vibration and much shocks.
	7	H. F. much shocks.
9	0	H. F. slight vibration and shocks.
16	22	H. F. slight vibration.
22	5	Declin. moderate vibration; H. F. much vibration and shocks; V. F. slight vibration.
	6	Declin. moderate vibration; H. F. much vibration and shocks; V. F. slight vibration.
	7	Declin. moderate vibration; H. F. much vibration and shocks; V. F. slight vibration.
	8	Declin. moderate vibration; H. F. much vibration and shocks; V. F. slight vibration.
	9	Declin. slight vibration; H. F. much vibration and shocks.
	10	H. F. slight vibration.
	11	Declin. and H. F. slight vibration.
	22	H. F. moderate vibration; Declin. and V. F. slight vibration.
30	11	Declin. and H. F. slight shocks.
	16	H. F. much vibration and shocks.

TIMES OF OBSERVATION *at which the* MAGNETOMETERS *were disturbed, but the mean readings were not materially changed*—continued.

1843.		
JANUARY.		
D.	H.	
1	12	Declin. slight vibration; H. F. much vibration.
	13	
	14	
	15	
2	22	H. F. slight vibration.
22	12	Declin. and H. F. slight vibrations.
25	2	Declin. and H. F. slight vibration.
	3	Declin. and V. F. slight vibration; H. F. moderate vibration.
31	20	H. F. in vibration of 30 divisions; at second observation much disturbed.
FEBRUARY.		
1	15	Declin. and H. F. slight vibration.
5	21	H. F. and V. F. slight vibration.
	22	H. F. slight vibration and shocks; V. F. slight vibration.
6	0	H. F. slight vibration and shocks.
10	13	H. F. very much vibration and moderate shocks.
	14	H. F. much vibration and moderate shocks.
	15	H. F. moderate vibrations and shocks.
	16	H. F. slight vibration and much shocks.
	17	
	18	H. F. slight vibration and much shocks.
MAY.		
5	23	H. F. slight vibrations and shocks.
6	0	H. F. slight vibrations and shocks.
	2	H. F. slight vibrations and shocks; V. F. slight vibrations.
	3	H. F. slight vibrations and shocks.
	4	
9	21	H. F. slight vibrations and shocks.
	22	H. F. slight vibrations and shocks.
	23	H. F. slight vibrations and shocks.
10	3	H. F. slight vibrations.
	8	H. F. slight vibrations and shocks.
12	22	H. F. slight vibrations and shocks.
14	22	H. F. slight vibration.
15	16	Declin. and H. F. slight vibrations.
	18	H. F. slight vibrations.
	20	H. F. slight vibrations.
	22	H. F. slight vibrations.
JUNE.		
7	1	H. F. slight shocks.
9	20	H. F. slight vibration.
	21	H. F. slight vibration.
	22	H. F. much vibration and shocks.
	23	H. F. very much vibration and shocks.
10	1	H. F. slight vibration and shocks.
12	19	H. F. slight vibration.
	21	H. F. slight vibration.
	22	H. F. slight vibration and shocks.
JULY.		
10	17	H. F. much vibration.
11	16	H. F. much vibration.
	17	H. F. very much vibration (30 divisions).
	18	H. F. much vibration and shocks.
12	17	H. F. very much vibration and shocks.
20	16	H. F. much vibration.
	17	H. F. very much vibration.
AUGUST.		
2	17	H. F. much vibration and shocks.
	18	H. F. slight vibration and shocks.
	19	H. F. much vibration and shocks.
AUGUST.		
D.	H.	
4	17	H. F. much vibration.
7	20	H. F. much vibration and shocks.
15	18	H. F. slight vibration.
22	2	H. F. slight vibration.
	23	H. F. moderate vibration.
23	16	H. F. moderate vibration.
	17	
	18	H. F. slight vibration.
	20	H. F. much vibration.
	21	
SEPT.		
4	21	H. F. slight vibration.
8	18	H.F. slight vibration.
25	20	H. F. and V. F. slight vibration.
OCTOBER.		
5	21	Declin. and H. F. slight vibration.
8	18	H. F. much vibration.
	19	H. F. slight vibration.
	20	H. F. much vibration and shocks.
16	20	H. F. slight vibration and much shocks.
NOVEMBER.		
13	18	H. F. much vibration.
14	1	H. F. slight shocks.
	2	H. F. slight vibration.
	3	
26	14	H. F. moderate vibration.
	15	
	16	H. F. slight vibration.
DECEMBER.		
5	1	Declin. and H. F. slight vibration.
10	20	Declin. and H. F. slight vibration.
	21	Declin. slight vibration.
11	1	H. F. slight vibration.
	2	H. F. moderate vibration.
	3	Declin. slight, H. F. moderate vibration.
	16	H. F. slight vibration.
	18	H. F. slight vibration.
12	3	Declin. and H. F. slight vibration.
15	5	H. F. slight vibration and moderate shocks.
1844.		
JANUARY.		
5	0	H. F. moderate vibration.
	3	H. F. slight vibration.
7	21	H. F. moderate vibration.
	23	H. F. slight vibration.
8	20	H. F. slight vibration and shocks.
	21	H. F. moderate vibration.
	23	H. F. slight vibration.
9	3	H. F. moderate shocks.
	17	H. F. slight vibration.
	20	H. F. slight vibration and shocks.
11	3	H. F. slight vibration.
25	13	H. F. moderate vibrations.
	14	
	15	H. F. much vibration.
	16	H. F. moderate vibration.
	17	H. F. much vibration.
26	22	H. F. slight vibration.
31	12	H. F. much vibration.

TIMES OF OBSERVATION *at which the* MAGNETOMETERS *were disturbed, but the mean readings were not materially changed*—continued.

D.	H.	
FEBRUARY.		
1	19	H. F. slight vibration.
2	1	Declin. and H. F. moderate shocks.
4	22	Declin. slight vibration.
	23	Declin. slight vibration and shocks; H. F. slight vibration.
6	1	Declin. slight shocks; H. F. slight vibration.
	4	H. F. slight vibration.
8	19	H. F. and V. F. much vibration.
	20	H. F. and V. F. much vibration.
13	17	V. F. slight vibration.
MARCH.		
3	20	Declin. and H. F. much vibration and shocks; V. F. slight vibration.
5	19	H. F. and V. F. very much vibration.
	20	H. F. moderate vibration.
7	1	Declin. and H. F. slight vibration.
13	20	H. F. and V. F. slight vibration.
	21	V. F. moderate vibration.
17	13	H. F. and V. F. moderate vibration.
	14	H. F. moderate vibration; V. F. very much vibration.
	15	H. F. and V. F. moderate vibration.
	16	H. F. and V. F. moderate vibration.
	17	H. F. much vibration, and V. F. slight vibration.
18	5	V. F. moderate vibration.
	8	H. F. slight vibration.
22	16	V. F. slight vibration.
APRIL.		
2	15, 16	H. F. moderate vibration.
17	12	V. F. slight vibration.
	13	V. F. moderate vibration.
	14	V. F. slight vibration.
	16	H. F. and V. F. moderate vibration.
	17	H. F. and V. F. much vibration.
26	0, 1	H. F. moderate vibration.
	5	H. F. slight vibration.
27	0, 1	H. F. moderate vibration.
	2	H. F. slight vibration.
28	12	H. F. slight vibration.
MAY.		
1	22	H. F. slight vibrations and shocks.
2	1, 4, 7	H. F. slight vibration.
8	6	Declin. and H. F. slight vibration.
20	20, 21	H. F. slight vibration and shocks.
21	20, 21	H. F. slight shocks.
26	12	V. F. slight vibration.
JUNE.		
5	16	H. F. slight vibration.
7	18	H. F. moderate vibration.
27	10	H. F. slight vibration.
JULY.		
3	0	Declin. slight vibration.
12	6	H. F. slight vibration.
AUGUST.		
1	18	H. F. slight vibration and shocks.
	19	H. F. slight vibration.
2	1	H. F. slight vibrations and shocks.
2	4	H. F. moderate vibration.
	8, 10	V. F. slight vibration.
	20	H. F. much vibration.
4	16	H. F. much vibration.
8	21	H. F. much shocks.
	22	H. F. slight shocks.
9	11, 12	H. F. slight vibration.
	15	H. F. moderate vibration and shocks; Declin. slight vibration.
11	18, 19	H. F. much vibration.
20	14, 16	H. F. slight vibration.
23	15	H. F. much vibration.
	18	H. F. moderate vibration.
SEPT.		
4	19	H. F. moderate vibration.
26	18, 19	H. F. and V. F. much vibration.
27	13	H. F. slight vibrations.
29	13	H. F. much vibration.
OCTOBER.		
6	16	H. F. much vibration.
	17	H. F. slight vibration.
	18, 19, 20	H. F. slight vibration.
	21	H. F. much vibration.
7	17	H. F. much vibration.
	19	H. F. and V. F. much vibration.
15	16	V. F. slight vibration.
27	18, 19, 20	H. F. moderate vibration and shocks.
NOVEMBER		
6	16	H. F. slight vibrations.
12	13	V. F. slight vibrations.
15	14	H. F. slight vibrations.
	19	H. F. much vibrations.
	20	Declin. and H. F. slight vibrations.
	21, 22	H. F. much vibration; Declin. slight vibration.
DECEMBER.		
2	3	H. F. and V. F. slight vibration.
26	20	H. F. much vibration.
	21, 22	H. F. moderate vibration.
1845.		
JANUARY.		
16	5, 6, 7	H. F. slight vibration.
24	18, 19	V. F. much vibration.
	20	V. F. very much vibration.
	21, 22	V. F. much vibration.
25	10	H. F. much vibration.
	11	H. F. moderate vibration.
31	13	H. F. very much vibration.

TIMES OF OBSERVATION *at which the* MAGNETOMETERS *were disturbed, but the mean readings were not materially changed*—continued.

D.	H.	
JANUARY.		
31	14–16	H. F. and V. F. very much vibration.
FEBRUARY.		
4	13–14	H. F. slight shocks; V. F. slight vibration.
	21	Declin. and H. F. slight vibration.
	22	H. F. slight vibration.
12	11	H. F. and V. F. moderate vibration.
	12	H. F. and V. F. much vibration.
	13	H. F. moderate vibration.
19	22	H. F. and V. F. slight vibration.
24	23	Declin. and Inclinometer slight vibration and shocks; H. F. moderate vibration and shocks.
25	0–1	Declin. and H. F. slight vibration and shocks.
26	23	Declin. and H. F. moderate shocks.
MARCH.		
9	21	H. F. moderate vibration.
14	1–4	H. F. much vibration; Declin. slight vibration.
	9	H. F. slight vibration and shocks.
	10–13	H. F. slight vibration.
	14	H. F. slight vibration and shocks.
	15–16	H. F. slight vibration.
	17	H. F. much vibration.
	18	H. F. moderate vibration.
	19	H. F. slight vibration; V. F. moderate vibration.
	20–22	H. F. very much vibration; V. F. moderate vibration.
15	1	H. F. moderate vibration.
APRIL.		
13	19	H. F. moderate vibration.
14	0	Declin. and Induc. Inclin. moderate vibration.
	21	H. F. moderate vibration.
	22	H. F. moderate vibration; Declin. slight vibration.
15	0	Declin. and H. F. moderate vibration.
	11	V. F. moderate vibration.
MAY.		
14	17	H. F. moderate vibration.
	22	H. F. much vibration.
	23	H. F. moderate vibration.
21	15	H. F. moderate vibration.
28	18	H. F. slight vibration.
	19	H. F. moderate vibration.
	20	H. F. much vibration.
	21	H. F. moderate vibration.
JUNE.		
5	18	H. F. moderate vibration.
13	19	H. F. slight vibration.
JULY.		
9	16–17	H. F. moderate vibration.
	19	H. F. and V. F. moderate vibration.
17	19	H. F. and V. F. moderate vibration.
22	16	H. F. and V. F. moderate vibration.
30	17	H. F. moderate vibration.
	18	H. F. much vibration.
AUGUST.		
1	18	H. F. and V. F. much vibration.
6	19	H. F. moderate vibration.
11	18	H. F. much vibration.
12	18	H. F. much vibration.
14	11	Declin. and Induc. Inclin. slight vibration and shocks; H. F. moderate vibration and shocks.
24	18–19	H. F. much vibration and shocks.
31	17	Declin. and H. F. moderate vibration.
	18	H. F. and V. F. moderate vibration.
SEPTEMBER.		
7	14	Declin. slight vibration; H. F. much vibration.
	17	H. F. slight vibration.
	18	H. F. slight vibration.
10	17	H. F. moderate vibration.
	18	H. F. moderate vibration.
	19	H. F. moderate vibration and slight shocks.
11	14	H. F. much vibration.
	15–16	H. F. moderate vibration.
	17	H. F. slight vibration.
18	13	Declin. and V. F. moderate vibration.
	15–16	H. F. and V. F. slight vibration.
	17	H. F. moderate vibration.
	18–19	H. F. moderate vibration.
22	12	H. F. and V. F. moderate vibration.
	13–15	H. F. much vibration.
	16	H. F. slight vibration.
26	14	Declin. and H. F. moderate vibration.
OCTOBER.		
5	18	H. F. moderate vibration.
20	10	H. F. slight vibration.
	13	H. F. and V. F. slight vibration.
	15–16	H. F. moderate vibration.
NOVEMBER.		
23	12	H. F. moderate vibration.
	13	H. F. slight vibration.
DECEMBER.		
2	13–14	H. F. moderate vibrations.
18	16	H. F. much vibration; V. F. moderate vibration.
	17	H. F. moderate vibration.
	18–19	H. F. much vibration; V. F. moderate vibration.
	20	H. F. and V. F. moderate vibration.
	21	H. F. moderate vibration; V. F. slight vibration.
	22	H. F. moderate vibration.
	23	H. F. much vibration.
19	0–1	H. F. moderate vibration.
	2	H. F. much vibration.
	3	H. F. moderate vibration.
	4	H. F. and V. F. slight vibration.
	5	V. F. much vibration.
	7	H. F. moderate vibration.
	11–13	H. F. much vibration, and V. F. moderate vibration.
	14	V. F. moderate vibration.
	15	H. F. moderate vibration.
25	12–13	

OBSERVATIONS OF THE MAGNETIC INCLINATION.

1843, 1844, and 1845.

Index to Initials of Observers.

INITIALS.	NAMES.	INITIALS.	NAMES.
C. J. B. R.	Captain Riddell, *Royal Artillery.*	W. H.	Sergeant Henry, *Royal Artillery.*
J. H. L.	Captain Lefroy, ,,	W. McP.	Bombardier McPhun, ,,
C. W. Y.	Captain Younghusband, ,,	W. G.	Bombardier Grace, ,,
W. H. G.	Lieutenant Goodenough, ,,	J. L.	Corporal Lennon, ,,
		C. J.	Bombardier Jones, ,,
J. J.	Sergeant Johnston, ,,	Liley.	Acting Bombardier Liley, ,,
J. W.	Sergeant Walker, ,,	W. T.	Corporal Thom, ,,
T. M.	Corporal Menzies, ,,	W. A. S	Bombardier Stewart, ,,
T. S. M.	Bombardier Malins, ,,		

Observations of Inclination continued from Vol. 1, p. 332; the same Needle was employed as in 1842, i. e. No. 1.

	Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Poles Direct. Face of Needle. Direct. a'	Poles Direct. Face of Needle. Reversed. a''	Poles Direct. Face of Needle. Reversed. a'''	Poles Reversed. Face of Needle. Direct. b	Poles Reversed. Face of Needle. Direct. b'	Poles Reversed. Face of Needle. Reversed. b''	Poles Reversed. Face of Needle. Reversed. b'''	Half-Difference between Poles "Direct" and "Reversed."	Inclination.	Monthly Means.
	1843. D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
January.	3 20	T. S. M.	73 53·5	76 08·2	74 22·3	75 51·4	—	—	—	—	13·5	75 17·3	
	4 4	T. S. M.	73 52·6	76 04·5	74 26·5	75 44·6	76 29·3	74 31·0	76 34·4	74 21·8	—	75 15·5	
	6 20	W. H.	73 52·6	76 06·2	74 24·0	75 39·8	—	—	—	—	14·8	75 15·4	
	7 4	W. H.	73 36·8	76 14·0	74 21·2	75 49·4	76 30·4	74 27·6	76 37·9	74 24·2	—	75 15·1	
	10 22	J. J.	73 42·2	76 13·9	74 16·0	75 46·0	—	—	—	—	15·7	75 15·2	
	11 4	J. J.	73 41·5	76 05·9	74 14·0	75 47·2	76 25·2	74 28·5	76 37·8	74 22·5	—	75 12·8	
	13 20	J. J.	73 43·6	76 04·9	74 15·9	75 45·6	—	—	—	—	15·9	75 13·4	
	14 4	J. J.	73 48·5	76 06·1	74 12·0	75 45·4	76 26·3	74 32·4	76 35·4	74 25·5	—	75 13·9	>75 14·5
	17 20	J. W.	73 32·6	76 04·4	74 04·5	75 41·4	—	—	—	—	22·8	75 13·5	
	18 4	J. W.	73 33·3	76 02·0	74 09·5	75 37·7	76 45·9	74 35·4	76 38·2	74 25·8	—	75 13·4	
	20 20	J. W.	73 36·1	76 01·0	74 04·7	75 38·3	—	—	—	—	23·4	75 13·4	
	21 4	J. W.	73 34·5	75 58·5	74 07·0	75 38·2	76 43·6	74 33·7	76 39·3	74 29·1	—	75 12·9	
	24 20	T. S. M.	73 37·1	76 12·6	74 15·2	75 44·1	—	—	—	—	17·3	75 14·5	
	25 4	T. S. M.	73 36·1	76 11·3	74 11·2	75 46·2	76 30·5	74 28·1	76 37·6	74 27·1	—	75 13·5	
	27 20	T. S. M.	73 35·0	76 10·8	74 11·1	75 43·7	—	—	—	—	22·5	75 17·9	
	28 4	T. S. M.	73 31·1	76 06·3	74 00·0	75 53·8	76 36·7	74 48·1	76 40·6	74 25·8	—	75 15·3	
February.	Jan. 31 21	T. S. M.	73 38·1	76 12·2	74 11·4	75 48·7	—	—	—	—	19·9	75 17·5	
	1 4	T. S. M.	73 32·2	76 13·1	74 12·1	75 45·9	76 38·1	74 38·4	76 40·9	74 25·4	—	75 15·7	
	3 20	W. McP.	73 32·7	76 07·7	74 05·8	75 44·1	—	—	—	—	24·6	75 17·2	
	4 4	W. McP.	73 33·5	76 06·2	74 01·3	75 43·1	76 38·3	74 43·3	77 00·2	74 19·4	—	75 15·6	
	7 20	J. J.	73 31·9	76 22·6	74 09·5	75 50·5	—	—	—	—	17·4	75 16·0	
	8 4	J. J.	73 35·3	76 13·9	74 09·9	75 48·7	76 25·4	74 38·7	76 32·0	74 30·6	—	75 14·3	
	10 20	J. J.	73 25·6	76 08·0	74 04·7	75 42·8	—	—	—	—	21·1	75 11·4	
	11 4	J. J.	73 29·0	76 04·5	74 03·2	75 47·8	76 30·0	74 44·9	76 28·5	74 29·7	—	75 12·2	>75 15·2
	14 20	J. W.	73 28·9	76 04·1	74 03·8	75 42·7	—	—	—	—	24·9	75 14·6	
	15 4	J. W.	73 27·4	76 03·1	74 03·0	75 45·5	76 42·9	74 39·6	76 45·5	74 30·1	—	75 14·6	
	17 20	J. W.	73 26·1	75 59·6	74 02·4	75 43·3	—	—	—	—	26·6	75 14·4	
	18 4	J. W.	73 29·6	75 57·3	74 02·3	75 38·3	76 45·4	74 37·2	76 51·6	74 26·3	—	75 13·5	
	21 20	T. S. M.	73 31·4	76 05·4	74 11·1	75 39·6	—	—	—	—	23·9	75 15·8	
	22 4	T. S. M.	73 27·6	76 02·4	74 13·6	75 37·4	76 33·5	74 48·1	76 41·8	74 28·9	—	75 14·1	
	24 20	T. S. M.	73 24·4	76 11·5	74 06·8	75 46·3	—	—	—	—	25·5	75 17·7	
	25 4	T. S. M.	73 20·3	76 10·3	74 01·7	75 41·0	76 35·2	74 48·3	76 45·1	74 29·2	—	75 13·8	
March.	Feb. 28 20	W. McP.	73 28·9	76 05·9	74 05·8	75 41·1	—	—	—	—	25·7	75 16·1	
	1 4	W. McP.	73 25·3	76 02·9	74 06·5	75 41·2	76 50·8	74 33·9	76 55·0	74 21·4	—	75 14·6	
	3 20	W. McP.	73 35·6	76 03·7	74 05·3	75 42·4	—	—	—	—	25·2	75 17·0	
	4 4	W. McP.	73 25·6	76 03·9	74 03·0	75 35·8	76 43·1	74 29·4	76 54·9	74 22·6	—	75 12·3	
	7 20	J. J.	73 25·0	76 05·0	73 55·2	75 40·6	—	—	—	—	25·0	75 11·5	
	8 4	J. J.	73 20·0	76 02·6	74 03·2	75 42·8	76 43·5	74 35·7	76 46·7	74 32·3	—	75 14·4	
	10 20	J. J.	73 25·7	76 05·2	74 02·6	75 41·8	—	—	—	—	25·9	75 14·7	
	11 4	J. J.	73 25·9	76 05·6	73 57·4	75 42·1	76 40·5	74 42·5	76 40·2	74 35·0	—	75 13·6	
	14 20	J. W.	73 24·4	75 58·0	73 57·0	75 37·7	—	—	—	—	27·7	75 12·0	>75 14·1
	15 4	J. W.	73 30·3	75 57·7	73 57·5	75 32·8	76 38·9	74 46·2	76 41·9	74 32·9	—	75 12·3	
	17 20	J. W.	73 24·4	75 59·0	74 01·1	75 33·6	—	—	—	—	28·7	75 13·2	
	18 4	J. W.	73 24·0	76 01·0	74 03·5	75 37·3	76 39·3	74 53·1	76 46·6	74 36·6	—	75 15·1	
	21 20	T. S. M.	73 19·6	76 06·8	73 56·2	75 40·1	—	—	—	—	28·7	75 14·4	
	22 4	T. S. M.	73 16·2	76 05·0	73 55·0	75 39·6	76 43·5	74 40·5	76 49·3	74 31·8	—	75 12·6	
	24 20	T. S. M.	73 20·6	76 04·2	73 56·3	75 39·4	—	—	—	—	29·1	75 14·2	
	25 4	T. S. M.	73 20·9	76 02·4	73 58·2	75 41·0	76 45·4	74 45·5	76 55·0	74 29·5	—	75 14·7	
	28 20	W. McP.	73 22·9	76 03·1	73 56·0	75 44·8	—	—	—	—	30·9	75 17·6	
	29 4	W. McP.	73 19·7	75 59·5	73 55·7	75 41·1	76 45·9	74 50·6	77 00·2	74 27·0	—	75 14·9	

Observations of Inclination continued from Vol. 1, p. 332; the same Needle was employed as in 1842, i. e. No. 1.

Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Direct. a'	Reversed. a''	Reversed. a'''	Poles Reversed. Face of Needle. Direct. b	Direct. b'	Reversed. b''	Reversed. b'''	Half-Difference between Poles "Direct" and "Reversed."	Inclination.	Monthly Means.
1843.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
April. D. H. 31 20	W. M°P.	73 21·6	76 02·4	73 50·8	75 47·2	—	—	—	—	29·9	75 15·4	
1 4	W. M°P.	73 17·8	76 03·7	73 52·6	75 39·7	76 44·1	74 42·8	76 54·1	74 31·9	—	75 13·3	
4 20	J. J.	73 20·5	76 03·0	73 51·2	75 45·9	—	—	—	—	29·4	75 14·5	
5 4	J. J.	73 19·5	76 03·7	73 56·0	75 45·0	76 44·5	74 47·5	76 55·0	74 32·4	—	75 15·4	
7 20	J. J.	73 19·2	76 05·6	73 56·7	75 42·2	—	—	—	—	32·1	75 18·0	
8 4	J. J.	73 18·2	76 11·5	73 50·2	75 32·0	76 48·5	74 49·0	76 47·5	74 44·0	—	75 15·1	
11 20	J. W.	73 22·5	75 58·0	73 45·3	75 40·5	—	—	—	—	31·7	75 13·3	
12 4	J. W.	73 22·3	75 59·2	73 48·5	75 37·3	76 44·1	74 44·7	76 54·6	74 37·8	—	75 13·5	
14 20	J. W.	73 20·0	75 59·2	73 47·0	75 36·1	—	—	—	—	31·7	75 12·3	>75 13·3
15 4	J. W.	73 22·8	75 56·9	73 47·1	75 36·4	76 45·5	74 44·0	76 55·0	74 32·8	—	75 12·5	
18 20	J. W.	73 12·0	75 57·6	73 48·5	75 30·6	—	—	—	—	34·3	75 11·5	
19 4	J. W.	73 14·2	76 00·0	73 44·7	75 33·4	76 49·5	74 47·9	76 57·0	74 32·7	—	75 12·4	
21 20	W. M°P.	73 18·8	76 00·0	73 43·0	75 37·5	—	—	—	—	32·3	75 12·1	
22 4	W. M°P.	73 19·0	76 00·4	73 50·0	75 36·7	76 47·2	74 43·9	76 57·4	74 36·1	—	75 13·8	
25 20	J. W.	73 00·5	75 51·6	73 52·3	75 31·5	—	—	—	—	37·1	75 11·1	
26 4	J. W.	73 05·6	75 45·7	73 53·1	75 34·9	76 47·2	74 44·8	76 56·2	74 48·2	—	75 11·9	
28 20	J. W.	73 13·0	75 45·0	73 51·6	75 33·8	—	—	—	—	35·3	75 11·1	
29 4	J. W.	73 13·7	75 50·7	73 49·5	75 33·8	76 45·8	74 48·9	76 51·1	74 44·7	—	75 12·2	
May. 2 20	T. S. M.	73 15·0	76 02·3	73 47·1	75 28·2	—	—	—	—	36·9	75 15·0	
3 4	T. S. M.	73 13·4	75 58·7	73 50·7	75 32·6	76 57·5	74 49·4	77 07·3	74 36·7	—	75 15·7	
5 20	T. S. M.	73 09·9	76 01·3	73 45·8	75 34·6	—	—	—	—	34·3	75 12·2	
6 4	T. S. M.	73 09·8	75 59·9	73 46·9	75 31·2	76 50·8	74 44·9	76 59·4	74 26·9	—	75 11·2	
9 20	W. M°P.	73 23·3	76 02·4	73 44·9	75 39·7	—	—	—	—	30·9	75 13·5	
10 4	W. M°P.	73 23·5	75 53·3	73 59·0	75 40·0	76 46·9	74 49·7	76 59·0	74 27·0	—	75 14·8	
12 20	W. M°P.	73 29·3	76 04·1	73 46·3	75 42·0	—	—	—	—	35·0	75 20·4	
13 4	W. M°P.	73 29·5	75 57·0	73 40·1	75 30·5	76 55·2	74 45·3	77 00·0	74 36·7	—	75 14·3	
16 20	J. W.	73 25·0	75 53·3	73 49·2	75 26·7	—	—	—	—	37·4	75 15·9	
17 4	J. W.	73 22·7	75 47·8	73 49·1	75 27·6	76 42·4	74 50·4	77 03·8	74 49·8	—	75 14·2	>75 14·4
19 20	J. W.	73 28·3	76 04·8	73 55·8	75 36·2	—	—	—	—	24·0	75 10·3	
20 4	J. W.	73 28·0	76 04·8	73 55·0	75 42·0	76 33·8	74 29·6	76 46·0	74 32·1	—	75 11·4	
23 20	T. S. M.	73 31·5	75 58·0	74 05·8	75 47·8	—	—	—	—	25·3	75 16·1	
24 4	T. S. M.	73 02·7	76 14·0	73 57·1	75 49·9	76 38·5	74 28·5	76 55·0	74 24·0	—	75 11·2	
26 20	T. S. M.	73 14·9	76 13·8	74·09·7	75 53·8	—	—	—	—	26·0	75 19·0	
27 4	T. S. M.	73 24·7	76 10·0	73 58·3	75 42·5	76 37·7	74 34·5	76 49·8	74 41·5	—	75 14·9	
30 20	W. M°P.	73 20·4	76 04·3	73 51·7	75 37·4	—	—	—	—	29·7	75 13·2	
31 4	W. M°P.	73 11·3	76 07·8	74 01·4	75 44·9	76 48·5	74 46·0	76 49·4	74 38·8	—	75 16·0	
June. 2 20	W. M°P.	73 24·4	76 03·4	73 46·3	75 39·9	—	—	—	—	31·4	75 14·9	
3 4	W. M°P.	73 24·6	75 58·4	73 57·7	75 36·5	76 50·9	74 50·3	76 59·6	74 28·0	—	75 15·7	
6 20	J. W.	73 25·4	76 03·4	73 51·2	75 45·2	—	—	—	—	29·6	75 15·9	
7 4	J. W.	73 24·2	76 05·8	73 42·9	75 37·1	76 38·1	74 35·7	76 45·2	74 47·8	—	75 12·1	
9 20	J. W.	73 26·2	76 04·0	73 54·0	75 46·9	—	—	—	—	24·5	75 12·3	
10 4	J. W.	73 27·7	76 03·8	73 52·4	75 44·2	76 37·0	74 34·6	76 46·2	74 26·4	—	75 11·5	
13 20	T. S. M.	73 16·8	76 03·1	73 50·0	75 35·4	—	—	—	—	29·7	75 11·0	
14 4	T. S. M.	73 15·0	76 06·2	73 49·0	75 29·0	76 46·9	74 32·9	76 53·0	74 24·0	—	75 09·5	
16 20	T. S. M.	73 23·8	76 05·3	73 54·1	75 42·7	—	—	—	—	28·4	75 14·9	>75 13·4
17 4	T. S. M.	73 23·0	76 06·8	73 53·9	75 38·3	76 46·9	74 35·5	77 03·2	74 24·2	—	75 13·9	
20 20	W. M°P.	73 24·8	76 02·3	73 43·6	75 39·7	—	—	—	—	30·8	75 13·4	
21 4	W. M°P.	73 21·7	75 54·9	74 00·5	75 40·5	76 47·8	74 47·9	77 00·2	74 27·9	—	75 15·2	
23 20	W. M°P.	73 24·5	76 05·5	73 41·0	75 40·5	—	—	—	—	29·4	75 12·3	
24 4	W. M°P.	73 26·7	75 52·6	74 05·4	75 39·8	76 47·6	74 48·2	76 57·0	74 26·9	—	75 15·5	
27 20	J. W.	73 22·1	75 57·8	73 15·2	75 31·3	—	—	—	—	40·6	75 12·2	
28 4	J. W.	73 26·0	75 59·0	73 14·2	75 37·7	76 52·1	74 27·9	77 55·2	74 26·8	—	75 14·8	

Observations of Inclination continued from Vol. 1, p. 332; the same Needle was employed as in 1842, i. e. No. 1.

Toronto Astron. Time.		Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Poles Direct. Face of Needle. Direct. a'	Poles Direct. Face of Needle. Reversed. a''	Poles Direct. Face of Needle. Reversed. a'''	Poles Reversed. Face of Needle. Direct. b	Poles Reversed. Face of Needle. Direct. b'	Poles Reversed. Face of Needle. Reversed. b''	Poles Reversed. Face of Needle. Reversed. b'''	Half-Difference between Poles "Direct" and "Reversed."	Inclination.	Monthly Means.
1843.	D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
June	30 20	J. W.	73 30·4	76 00·3	73 20·6	75 43·0	—	—	—	—	39·1	75 17·7	
July.	1 4	J. W.	73 33·4	76 00·9	73 19·8	75 38·0	76 51·2	74 48·4	77 22·8	74 42·9	—	75 17·1	
	4 20	T. S. M.	73 30·9	76 06·9	73 35·7	75 43·3	—	—	—	—	30·5	75 14·7	
	5 4	T. S. M.	73 26·7	76 04·5	73 27·0	75 38·7	76 34·1	74 28·6	77 02·5	74 35·5	—	75 09·7	
	7 20	T. S. M.	73 26·9	75 59·1	73 29·1	75 38·0	—	—	—	—	34·1	75 12·4	
	8 4	T. S. M.	73 23·7	76 00·2	73 38·4	75 35·0	76 46·9	74 36·5	76 51·8	74 55·4	—	75 13·4	
	11 20	W. M'P.	73 27·9	76 07·5	73 39·2	75 43·3	—	—	—	—	33·3	75 17·8	
	12 4	W. M'P.	73 28·2	76 03·8	73 39·8	75 29·6	76 50·6	74 48·5	76 39·1	74 49·6	—	75 13·6	
	14 20	W. M'P.	73 22·8	76 04·4	73 45·0	75 39·9	—	—	—	—	33·9	75 16·9	
	15 4	W. M'P.	73 15·5	76 06·6	73 43·6	75 35·7	76 49·1	74 35·9	76 53·6	74 53·6	—	75 14·2	75 14·5
	18 20	J. W.	73 24·6	76 03·5	73 34·8	75 30·7	—	—	—	—	31·7	75 10·1	
	19 4	J. W.	73 31·2	76 00·4	73 35·0	75 35·8	76 43·4	74 36·4	76 45·8	74 50·9	—	75 12·3	
	21 20	J. W.	73 23·8	76 01·9	73 37·6	75 34·6	—	—	—	—	32·6	75 12·1	
	22 4	J. W.	73 41·8	76 02·5	73 32·5	75 31·2	76 46·1	74 32·4	76 55·8	74 57·3	—	75 15·3	
	25 20	T. S. M.	73 37·9	76 08·7	73 34·0	75 38·2	—	—	—	—	35·6	75 20·3	
	26 4	T. S. M.	73 24·6	75 59·2	63 30·1	75 34·8	76 46·7	74 40·6	76 52·9	74 53·8	—	75 12·8	
	28 20	T. S. M.	73 25·1	76 00·6	73 35·4	75 40·9	—	—	—	—	36·0	75 16·5	
	29 4	T. S. M.	73 20·0	75 57·6	73 38·2	75 40·5	76 47·2	74·47·3	76·56·5	74 53·1	—	75 15·0	
August.	1 20	W. M'P.	73 25·5	75 44·7	73 40·9	75 43·0	—	—	—	—	38·1	75 16·6	
	2 4	W. M'P.	73 20·5	75 38·2	73 40·4	75 41·6	76 52·0	74 34·1	76 52·6	75 07·0	—	75 13·3	
	4 20	W. M'P.	73 29·8	76 00·0	73 29·9	75 39·6	—	—	—	—	33·9	75 13·7	
	5 4	W. M'P.	73 25·3	76 01·2	73 46·0	75 30·9	76 52·0	74 37·3	76 58·5	74 46·5	—	75 14·7	
	8 20	J. W.	73 14·8	76 01·8	73 37·3	75 37·0	—	—	—	—	35·4	75 13·1	
	9 4	J. W.	73 19·8	75 57·3	73 37·6	75 38·4	76 48·6	74 36·7	76 58·1	74 52·9	—	75 13·7	
	11 20	J. W.	73 18·4	75 56·8	73 35·8	75 36·5	—	—	—	—	37·9	75 14·8	
	12 4	J. W.	73 20·0	75 54·8	73 33·2	75 37·2	76 51·9	74 39·4	77 03·6	74 54·0	—	75 14·2	
	15 20	T. S. M.	73 23·8	75 58·0	73 30·3	75 46·0	—	—	—	—	35·1	75 14·6	75 14·8
	16 4	T. S. M.	73 17·6	75 59·9	73 41·6	75 47·5	76 54·6	74 32·0	76 58·7	74 53·6	—	75 14·5	
	18 20	T. S. M.	73 16·4	76 13·3	73 33·5	75 33·4	—	—	—	—	37·6	75 16·7	
	19 4	T. S. M.	73 16·0	76 08·3	73 23·6	75 29·9	76 50·8	74 39·4	76 51·2	74 57·3	—	75 12·0	
September.	22 20	W. M'P.	73 21·0	75 50·4	73 38·0	75 22·3	—	—	—	—	41·4	75 14·3	
	23 4	W. M'P.	73 21·3	75 53·5	73 36·9	75 10·5	76 55·5	74 40·7	77 03·4	74 53·7	—	75 11·9	
	25 20	W. M'P.	73 18·6	76 03·5	73 37·0	75 38·8	—	—	—	—	41·4	75 20·9	
	26 4	W. M'P.	73 15·3	76 07·2	73 19·8	75 23·5	76 54·4	74 44·0	76 55·0	75 03·9	—	75 12·8	
	29 20	J. W.	73 18·6	75 57·0	73 31·8	75 36·2	—	—	—	—	42·0	75 17·9	
	30 4	J. W.	73 15·8	75 55·2	73 33·7	75 38·4	76 51·6	74 40·0	77 03·3	75 24·4	—	75 17·8	
	1 20	J. W.	73 19·0	75 55·0	73 36·4	75 38·3	—	—	—	—	39·6	75 16·8	
	2 4	J. W.	73 16·3	75 54·4	73 37·2	75 36·0	76 53·7	74 51·2	76 59·5	74 56·9	—	75 15·6	
	5 20	T. S. M.	73 20·0	75 58·4	73 45·5	75 34·2	—	—	—	—	36·4	75 15·9	
	6 4	T. S. M.	73 15·8	75 55·5	73 44·1	75 44·5	76 58·8	74 37·5	76 57·4	74 58·0	—	75 16·4	
	8 20	T. S. M.	73 17·0	75 54·8	73 40·4	75 40·0	—	—	—	—	40·3	75 18·3	
	9 4	T. S. M.	73 18·4	75 53·0	73 39·0	75 41·4	76 57·5	74 54·1	77 00·5	75 01·7	—	75 18·2	
	12 20	W. M'P.	73 31·1	76 15·5	74 10·2	75 52·0	—	—	—	—	18·0	75 15·2	
	13 4	W. M'P.	73 34·6	76 14·7	74 09·2	75 48·4	76 25·6	74 40·0	76 35·5	74 29·6	—	75 14·7	
	15 20	W. M'P.	73 20·0	75 40·6	73 51·3	75 36·1	—	—	—	—	38·7	75 15·7	75 15·9
	16 4	W. M'P.	73 19·0	75 51·5	73 44·0	75 36·2	76 59·0	74 39·2	77 04·3	74 58·3	—	75 16·4	
	19 20	J. W.	73 18·6	75 53·6	73 37·4	75 36·2	—	—	—	—	36·1	75 12·5	
	20 4	J. W.	73 19·6	75 49·6	73 39·4	75 33·8	76 57·7	74 49·5	77 05·6	74 18·5	—	75 11·7	
	22 20	J. W.	73 17·8	75 54·0	73 40·0	75 34·4	—	—	—	—	36·3	75 12·8	
	23 4	J. W.	73 16·4	75 53·8	73 35·6	75 33·2	76 56·6	74 43·9	77 04·0	74 25·1	—	75 11·0	
	26 20	T. S. M.	73 22·2	75 54·3	73 42·3	75 42·0	—	—	—	—	36·8	75 17·0	
	27 4	T. S. M.	73 21·0	76 09·0	73 42·3	75 26·5	76 59·6	74 42·0	77 00·6	74 50·9	—	75 16·5	
	29 20	T. S. M.	73 22·5	75 58·4	73 45·6	75 33·6	—	—	—	—	36·4	75 16·4	
	30 4	T. S. M.	73 23·6	75 58·5	73 42·2	75 29·3	77 03·9	74 37·4	76 55·4	74 48·2	—	75 14·8	

Observations of Inclination continued from Vol. 1, p. 332; the same Needle was employed as in 1842, i. e. No. 1.

Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Poles Direct. Face of Needle. Direct. a'	Poles Direct. Face of Needle. Reversed. a''	Poles Direct. Face of Needle. Reversed. a'''	Poles Reversed. Face of Needle. Direct. b	Poles Reversed. Face of Needle. Direct. b'	Poles Reversed. Face of Needle. Reversed. b''	Poles Reversed. Face of Needle. Reversed. b'''	Half-Difference between Poles "Direct" and "Reversed."	Inclination.	Monthly Means.
1843.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
October. D. H. 3 20	W. M°P.	73 10·0	75 56·5	73 19·6	75 31·7	—	—	—	—	38·0	75 12·4	
4 4	W. M°P.	73 11·3	75 56·5	73 43·5	75 34·6	76 59·1	74 38·5	77 09·5	74 43·3	—	75 14·5	
6 20	W. M°P.	73 22·9	75 54·5	73 49·3	75 36·0	—	—	—	—	38·3	75 19·0	
7 4	W. M°P.	73 13·5	75 57·4	73 47·4	75 34·8	76 56·3	74 40·9	77 08·3	74 54·4	—	75 10·6	
10 20	J. W.	72 37·4	75 54·0	72 51·4	75 25·4	—	—	—	—	62·7	75 14·7	
11 4	J. W.	72 36·6	75 52·6	72 50·8	75 25·0	77 48·3	74 35·2	77 43·8	74 59·4	—	75 13·9	
13 20	J. W.	72 46·8	75 51·3	72 44·1	75 28·1	—	—	—	—	62·0	75 14·6	
14 4	J. W.	72 45·8	75 48·3	72 45·8	75 26·4	77 41·1	74 34·7	77 45·0	75 01·5	—	75 13·6	
17 20	T. S. M.	72 11·0	75 58·0	72 50·5	75 32·4	—	—	—	—	62·1	75 10·1	75 14·5
18 4	T. S. M.	72 35·0	75 51·9	73 06·5	75 24·0	77 45·7	74 39·3	77 44·8	75 01·6	—	75 16·4	
20 20	T. S. M.	72 28·8	75 57·8	72 54·1	75 30·5	—	—	—	—	62·1	75 14·9	
21 4	T. S. M.	72 35·4	75 59·2	72 51·5	75 33·8	77 46·0	74 44·4	77 43·0	75 03·9	—	75 17 1	
24 20	W. M°P.	72 43·5	75 51·5	72 53·9	75 14·5	—	—	—	—	65·4	75 16·2	
25 4	W. M°P.	72 33·0	75 50·0	72 48·5	75 24·8	77 47·4	74 42·3	77 47·5	75 02·8	—	75 14·5	
27 20	W. M°P.	72 39·5	75 52·4	72 52·2	75 25·5	—	—	—	—	60·3	75 12·7	
28 4	W. M°P.	72 43·3	75 50·5	72 49·9	75 22·9	78 05·5	74 41·4	77 35·3	74 26·4	—	75 11·9	
Oct. 31 20	J. W.	72 48·5	75 48·1	72 45·4	75 35·8	—	—	—	—	60·3	75 14·5	
November. 1 4	J. W.	72 49·6	75 53·2	72 45 0	75 37·4	77 44·6	74 36·4	77 45·2	75 01·8	—	75 16·6	
3 20	J. W.	72 43·4	75 53·2	72 53·5	75 28·0	—	—	—	—	64·2	75 18·7	
4 4	J. W.	72 43·4	75 50·8	72 49·5	75 29·9	77 48·3	74 42·7	77 49·3	75 07·4	—	75 17·6	
7 20	T. S. M.	72 49·8	75 51·6	73 01·6	75 32·8	—	—	—	—	60·5	75 19·4	
8 4	T. S. M.	72 48·3	75 56·5	73 04·0	75 34·9	77 47·7	74 52·3	77 59·4	74 48·1	—	75 21·4	
10 20	T. S. M.	72 46·7	76 07·0	72 44·8	75 20·1	—	—	—	—	66·1	75 20·7	
11 4	T. S. M.	72 40·4	75 52·1	72 50·1	75 29·8	77 55·2	74 55·4	77 45·3	75 04·9	—	75 19·2	
14 20	W. M°P.	72 21·4	76 01·1	72 34·6	75 27·9	—	—	—	—	70·7	75 16·9	75 16·8
15 4	W. M°P.	72 18·1	76 00·0	72 29·7	75 31·0	78 02·2	74 45·0	77 52·0	75 05·4	—	75 15·4	
17 20	W. M°P.	72 22·2	76 02·2	72 33·2	75 29·9	—	—	—	—	70·6	75 17·5	
18 4	W. M°P.	72 18·6	76 03·6	72 33·2	75 31·7	78 02·0	74 46·9	77 55·4	75 07·8	—	75 17·4	
21 20	J. W.	72 23·2	76 03·8	72 34·2	75 31·6	—	—	—	—	66·8	75 15·0	
22 4	J. W.	72 17·3	76 02·4	72 32·6	75 32·3	77 48·6	74 42·9	77 42·9	75 04·6	—	75 12·9	
24 20	J. W.	72 41·0	75 47·5	72 37·1	75 31·5	—	—	—	—	66·9	75 16·2	
25 4	J. W.	72 29·7	75 55·0	72 38·2	75 26·4	77 44·4	74 51·2	77 47·7	75 01·1	—	75 14·2	
28 20	T. S. M.	72 23·8	75 54·6	72 43·4	75 28·1	—	—	—	—	68·7	75 16·2	
29 4	T. S. M.	72 23·8	75 31·5	72 42·8	75 41·3	77 46·0	74 47·2	77 48·6	70 06·8	—	75 13·5	
December. 2 20	T. S. M.	72 05·8	75 52·6	72 44·6	75 37·8	—	—	—	—	70·8	75 16·0	
3 4	T. S. M.	72 24·7	75 44·0	72 45·1	75 20·2	77 56·8	74 49·4	77 48·5	75 05·6	—	75 14·3	
5 20	W. M°P.	72 33·2	75 43·8	72 43·6	75 36·4	—	—	—	—	67·3	75 16·5	
6 4	W. M°P.	72 30·6	75 42·0	72 48·5	75 31·0	77 55·0	74 48·2	77 50·0	74 57·8	—	75 15·3	
8 20	W. M°P.	72 33·2	75 48·0	72 35·0	75 36·8	—	—	—	—	66·5	75 14·8	
9 4	W. M°P.	72 33·6	75 43·2	72 49·4	75 32·2	77 57·2	74 43·0	77 52·6	74 57·4	—	75 16·1	
12 20	J. W.	72 40·2	75 49·8	72 38·5	75 30·8	—	—	—	—	68·8	75 18·6	
13 4	J. W.	72 29·0	75 45·6	72 43·8	75 28·0	78 01·3	74 42·4	77 54·6	74 59·0	—	75 15·4	
15 20	J. W.	72 35·2	75 51·2	72 42·1	75 30·1	—	—	—	—	67·3	75 16·9	75 15·7
16 4	J. W.	72 31·6	75 49·2	72 42·8	75 26·7	77 50·5	74 46·9	77 54·4	74 57·2	—	75 14·9	
19 20	T. S. M.	72 28·5	75 55·0	72 43·8	75 26·1	—	—	—	—	66·0	75 14·3	
20 4	T. S. M.	72 20·0	75 55·4	72 47·1	75 22·5	77 53·1	74 39·8	78 09·4	74 30·7	—	75 12·2	
22 20	T. S. M.	72 26·0	75 50·3	72 44·3	75 29·4	—	—	—	—	70·0	75 17·5	
23 4	T. S. M.	72 20·0	76 01·5	72 37.7	75 26·2	77 50·4	74 57·5	78 00·4	74 56·9	—	75 16·3	
26 20	W. M°P.	72 33·2	75 45·0	72 37·4	75 33·6	—	—	—	—	69·1	75 16·4	
27 4	W. M°P.	72 30·6	75 43·2	72 39·0	75 37·0	77 52·0	74 48·0	78 03·0	74 59·5	—	75 16·5	
29 20	W. M°P.	72 33·0	75 45·0	72 41·6	75 34·2	—	—	—	—	67·4	75 15·8	
30 4	W. M°P.	72 32·2	75 42·6	72 43·8	75 33·6	77 46·8	74 43·6	78 04·0	74 56·7	—	75 15·4	

Observations of Inclination continued from Vol. 1, p. 332; the same Needle was employed as in 1842, i. e. No. 1.

	Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct.		Poles Direct. Face of Needle. Reversed.		Poles Reversed. Face of Needle. Direct.		Poles Reversed. Face of Needle. Reversed.		Half-Difference between Poles "Direct" and "Reversed."	Inclination.	Monthly Means.
			a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*			
1844.	D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
January.	2 20	J. W.	72 29·7	75 52·4	72 48·0	75 30·8	—	—	—	—	69·6	75 19·8	
	3 4	J. W.	72 25·7	75 50·6	72 44·6	75 23·1	77 52·7	74 46·6	77 59·4	75 02·2	—	75 15·6	
	5 20	J. W.	72 31·0	75 48·4	72 47·7	75 28·6	—	—	—	—	69·8	75 18·7	
	6 4	J. W.	72 30·7	75 44·4	72 43·7	75 26·8	78 00·7	74 41·5	77 59·0	75 03·4	—	75 16·2	
	9 20	T. S. M.	72 20·6	75 58·8	72 49·0	75 26·9	—	—	—	—	64·6	75 13·4	
	10 4	T. S. M.	72 25·6	75 50·3	72 47·8	75 27·0	77 48·6	74 46·2	77 55·0	74 37·8	—	75 12·3	
	12 20	T. S. M.	72 24·2	75 48·8	72 44·8	75 27·2	—	—	—	—	69·6	75 15·8	
	13 4	T. S. M.	72 22·6	75 46·8	72 47·7	75 27·1	77 49·5	74 53·4	77 59·7	74 58·4	—	75 15·6	
	16 20	W. McP.	72 35·0	75 41·2	72 48·3	75 24·1	—	—	—	—	69·1	75 16·3	75 15·4
	17 4	W. McP.	72 23·2	75 47·6	72 45·1	75 31·1	78 00·0	74 45·6	78 01·2	74 53·5	—	75 15·9	
	19 20	W. McP.	72 25·0	75 43·2	72 28·4	75 25·5	—	—	—	—	71·9	75 12·4	
	20 4	W. McP.	72 27·2	75 40·6	72 20·6	75 26·5	78 04·4	74 40·0	77 51·2	75 03·6	—	75 12·9	
	23 20	J. W.	72 31·7	75 45·2	72 42·6	75 30·2	—	—	—	—	68·9	75 16·3	
	24 4	J. W.	72 30·3	75 42·3	72 38·7	75 26·2	78 01·2	74 43 2	77 44·4	75 00·4	—	75 13·3	
	26 20	J. W.	72 33·0	75 52·1	72 33·3	75 26·6	—	—	—	—	71·5	75 17·7	
	27 4	J. W.	72 32·3	75 49·2	72 34·4	75 25·9	78 08·5	74 47·9	77 58·6	74 59·1	—	75 16·9	
	30 20	T. S. M.	72 22·9	75 48·2	72 47·0	75 25·8	—	—	—	—	68·9	75 14·9	
	31 4	T. S. M.	72 23·7	75 50·2	72 43·7	75 20·3	77 53·0	74 49·8	77 42·9	75 04 1	—	75 13·4	
February.	2 20	T. S. M.	72 20·5	75 52·9	72 44·4	75 22·8	—	—	—	—	70·2	75 15·3	
	3 4	T. S. M.	72 18·6	75 47·9	72 44·4	75 21·4	77 47·4	74 47·7	77 57·0	75 01·9	—	75 13·3	
	6 20	W. McP.	72 32·2	75 45·4	72 41·5	75 23·2	—	—	—	—	67·3	75 12·9	
	7 4	W. McP.	72 31·8	75 47·0	72 39·9	75 25 0	77 46·8	74 42·3	77 52·0	75 01·0	—	75 13·2	
	9 20	W. McP.	72 32·6	75 48·0	72 46·0	75 24·0	—	—	—	—	68·9	75 16·6	
	10 4	W. McP.	72 25·8	75 48·0	72 51·5	75 22·2	77 53·2	74 48·2	78 00·0	74 57·8	—	75 15·8	
	13 20	J. W.	72 23·2	75 43·8	72 49·0	75 25·8	—	—	—	—	73·2	75 18·6	
	14 4	J. W.	72 21·5	75 41·3	72 45·8	75 27·6	77 54·8	74 59·2	78 02·4	75 05·6	—	75 17·2	75 15·7
	16 20	J. W.	72 25·6	75 41·3	72 45·2	75 28·0	—	—	—	—	71·3	75 16·3	
	17 4	J. W.	72 21·2	75 39·8	72 50·5	75 26·2	77 56·5	74 51·6	77 54·1	75 06·1	—	75 15·7	
	20 20	T. S. M.	72 17·4	75 48·1	72 51·0	75 26·6	—	—	—	—	73·4	75 19·2	
	21 4	T. S. M.	72 17·0	75 47·0	72 43·0	75 26·3	78 06·0	74 49·6	77 58·2	75 07·2	—	75 16·7	
	23 20	T. S. M.	72 22·3	75 48·5	72 38·0	75 30·6	—	—	—	—	71·0	75 15·8	
	24 4	T. S. M.	72 21·8	75 46·7	72 36·4	75 29·2	77 47·8	74 51·3	77 57·7	75 05·2	—	75 14·4	
	27 20	W. McP.	72 19·4	75 43·2	72 44·5	75 26·0	—	—	—	—	74·8	75 18·1	
	28 4	W. McP.	72 23·6	75 37·0	72 33·5	75 17·5	77 54·5	74 54·9	77 53·0	75 08·0	—	75 12·7	
March.	1 20	W. McP.	72 12·6	75 41·6	72 49·5	75 29·0	—	—	—	—	73·2	75 16·4	
	2 4	W. McP.	72 22·0	75 40·0	72 47·6	75 27·8	77 59·0	74 56·2	77 59·0	75 09·1	—	75 17·5	
	5 20	J. W.	72 21·8	75 44·8	72 47·4	75 29·6	—	—	—	—	71·5	75 17·4	
	6 4	J. W.	72 16·7	75 43·2	72 50·0	75 26·8	77 51·1	74 56·5	78 01·8	74 59·4	—	75 15·7	
	8 20	J. W.	72 10·2	75 48·6	72 47·4	75 32·8	—	—	—	—	74·3	75 19·0	
	9 4	J. W.	72 06·5	75 49·3	72 43·1	75 20·3	78 03·2	74 54·5	77 57·3	75 07·9	—	75 16·3	75 14·5
	12 20[a]	T. S. M.	72 16·7	75 47·6	72 48·4	75 29·0	—	—	—	—	78·0	75 13·4	
	13 4[b]	T. S. M.	72 17·2	75 48·7	72 49·1	75 27·9	78 01·0	74 50·4	77 50·7	74 45·3	—	75 13·7	
	26 20[b]	J. W.	74 56·1	74 18·6	75 36·9	73 38·6	—	—	—	—	31·2	75 08·7	
	27 4[c]	J. W.	74 55·4	76 30·2	75 18·6	76 03·5	75 00·8	74 21·5	75 35·0	73 40·2	—	75 10·6	
	29 20	J. W.	74 57·6	76 27·6	75 22·8	76 00·6	—	—	—	—	28·7	75 13·4	
	30 4	J. W.	74 58·2	76 24·0	75 20·6	76 01·5	74 59·0	74 22·9	75 37·7	73 55·2	—	75 12·4	

[a] Axle of Needle "No. 1" broken after this observation.

[b] Needle "Robinson No. 2" employed.

[c] Needle "Old Static No. 1" employed until June 12th, 184

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Old Static No. 1."

Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Poles Direct. Face of Needle. Direct. a'	Poles Direct. Face of Needle. Reversed. a''	Poles Direct. Face of Needle. Reversed. a'''	Poles Reversed. Face of Needle. Direct. b	Poles Reversed. Face of Needle. Direct. b'	Poles Reversed. Face of Needle. Reversed. b''	Poles Reversed. Face of Needle. Reversed. b'''	Half-Difference between Poles "Direct" and "Reversed."	Inclination.	Monthly Means.
1844.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
D. H.												
April. 2 20	T. S. M.	74 53·3	76 31·1	75 20·0	76 13·9	—	—	—	—	29·9	75 14·7	
3 4	T. S. M.	74 53·0	76 31·9	75 20·0	76 12·2	75 09·7	74 19·0	75 37·5	73 51·5	—	75 14·3	
5 20	T. S. M.	74 55·1	76 24·5	75 26·5	75 59·0	—	—	—	—	31·4	75 09·9	
6 4	T. S. M.	75 05·7	76 33·1	75 30·2	75 58·4	75 00·6	74 20·7	75 42·1	73 52·8	—	75 15·4	
9 20	W. M°P.	75 10·7	76 07·4	75 31·7	75 42·9	—	—	—	—	28·2	75 10·0	
10 4	W. M°P.	75 12·9	76 08·5	75 29·4	75 47·6	74 55·9	74 17·5	75 43·0	73 55·9	—	75 11·3	
12 20	W. M°P.	75 08·8	76 11·4	75 35·8	75 41·2	—	—	—	—	27·8	75 11·6	
13 4	W. M°P.	75 09·2	76 14·6	75 31·5	75 46·0	74 55·3	74 24·2	75 42·8	73 56·2	—	75 12·5	
16 20	J. W.	75 04·8	76 31·2	75 32·7	76 00·0	—	—	—	—	27·7	75 19·5	75 13·2
17 4	J. W.	75 01·6	76 25·6	75 28·5	75 56·3	74 49·8	74 28·5	75 24·2	74 28·0	—	75 15·3	
19 20	J. W.	74 58·1	76 23·7	75 24·7	75 58·4	—	—	—	—	26·2	75 15·0	
20 4	J. W.	74 57·7	76 26·0	75 14·7	76 03·8	75 06·9	74 32·4	75 27·4	74 05·4	—	75 14·2	
23 20	T. S. M.	74 59·2	76 17·7	75 38·4	75 49·1	—	—	—	—	28·8	75 12·3	
24 4	T. S. M.	74 59·6	76 19·4	75 33·5	75 46·7	74 52·2	74 28·4	75 29·7	73 58·6	—	75 11·0	
26 20	T. S. M.	74 58·3	76 25·4	75 26·0	75 51·9	—	—	—	—	27·1	75 13·3	
27 4	T. S. M.	74 59·3	76 26·4	75 24·2	75 46·3	74 49·3	74 38·8	75 22·4	74 08·8	—	75 11·9	
April.												
30 20	W. M°P.	76 06·5	76 08·3	75 26·9	75 49·7	—	—	—	—	27·3	75 10·5	
May. 1 4	W. M°P.	75 05·5	76 18·5	75 21·8	75 44·3	74 59·4	74 19·0	75 43·5	73 49·7	—	75 10·2	
3 20	W. M°P.	74 55·0	76 19·0	75 34·5	75 43·8	—	—	—	—	26·9	75 11·2	
4 4	W. M°P.	75 05·0	76 27·5	75 17·7	75 43·6	75 49·4	74 18·2	75 51·3	73 49·4	—	75 11·5	
7 20	J. W.	74 58·0	76 26·8	75 28·9	75 36·1	—	—	—	—	22·7	75 14·7	
8 4	J. W.	74 54·1	76 24·2	75 28·7	75 34·2	75 02·9	74 24·3	75 57·7	73 54·4	—	75 12·5	
10 20	J. W.	75 00·0	76 23·3	75 30·1	76 06·2	—	—	—	—	33·1	75 11·8	
11 4	J. W.	74 53·5	76 40·0	75 23·6	75 48·1	74 47·3	74 21·7	75 17·5	73 53·9	—	75 08·2	
14 20	T. S. M.	75 47·0	74 46·8	75 55·8	74 38·8	—	—	—	—	03·2	75 13·9	
15 4	T. S. M.	75 41·6	74 47·4	75 53·2	74 46·5	74 29·6	75 44·7	75 00·4	75 28·4	—	75 14·0	75 12·5
17 20	T. S. M.	75 30·6	75 01·3	75 38·7	74 50·2	—	—	—	—	03·4	75 11·8	
18 4	T. S. M.	75 28·3	75 07·4	75 38·2	74 45·1	74 42·7	75 31·4	74 58·2	75 19·2	—	75 11·3	
21 20	W. M°P.	75 40·1	74 56·3	75 53·2	74 37·2	—	—	—	—	06·1	75 10·6	
22 4	W. M°P.	75 39·8	74 58·5	75 52·0	74 47·5	74 47·8	75 33·5	75 03·4	75 03·7	—	75 13·3	
24 20	W. M°P.	75 59·0	74 49·5	75 53·4	74 38·0	—	—	—	—	04·2	75 15·8	
25 4	W. M°P.	75 51·8	75 04·5	75 47·5	74 43·0	74 34·4	75 47·0	74 53·5	75 37·8	—	75 17·5	
28 20	J. W.	75 39·1	74 58·2	75 49·3	74 51·8	—	—	—	—	05·2	75 14·4	
29 4	J. W.	75 39·2	74 56·8	75 47·1	74 48·6	74 38·8	75 44·2	74 43·9	75 23·0	—	75 12·7	
May.												
31 20	J. W.	75 44·2	75 08·7	75 28·9	74 51·6	—	—	—	—	06·0	75 12·3	
June. 1 4	J. W.	75 34·7	75 00·1	75 39·8	74 57·6	74 29·6	75 44·7	74 36·1	75 33·1	—	75 11·9	
4 20	J. J.	75 24·7	75 07·8	75 45·7	74 57·3	—	—	—	—	04·2	75 14·7	
5 4	J. J.	75 04·9	75 28·6	75 49·2	74 55·0	74 25·3	75 56·0	75 03·7	75 18·8	—	75 15·1	
7 20	J. J.	75 18·5	75 24·4	75 38·3	74 57·3	—	—	—	—	05·1	75 14·5	
8 4	J. J.	75 09·8	75 22·8	75 37·4	74 58·8	73 59·5	76 21·1	74 24·5	75 43·0	—	75 12·1	
11 20	J. J.	75 25·7	75 21·2	75 35·4	74 50·0	—	—	—	—	10·2	75 08·0	
12 4[a]	J. J.	75 18·9	75 26·5	75 47·8	74 53·0	74 12·6	75 50·7	74 43·5	75 17·4	—	75 11·2	
14 20[b]	J. J.	74 47·4	74 27·7	75 20·0	73 53·5	—	—	—	—	33·2	75 10·3	57 11·6
15 4	J. J.	74 48·5	76 44·7	75 22·5	76 01·4	74 48·0	74 40·2	75 12·8	73 50·2	—	75 11·0	
18 20	J. W.	74 46·9	76 49·2	75 19·2	76 19·1	—	—	—	—	34·8	75 13·8	
19 4	J. W.	74 43·1	76 44·6	75 22·0	76 11·4	74 47·7	74 20·9	75 23·3	73 50·8	—	75 10·5	
21 20	J. J.	74 48·9	76 42·6	75 20·0	76 16·7	—	—	—	—	34·5	75 12·5	
22 4	J. J.	74 44·7	76 37·3	75 23·4	76 14·4	74 41·8	74 26·4	75 21·4	73 50·5	—	75 10·3	
25 20	J. W.	74 43·4	76 30·0	75 23·3	76 09·4	—	—	—	—	31·9	75 09·6	
26 4	J. W.	74 44·6	76 36·8	75 22·5	76 07·1	74 58·6	74 17·8	75 30·4	73 48·3	—	75 10·7	
28 20	J. J.	74 43·2	76 33·6	75 21·2	76 10·5	—	—	—	—	31·9	75 10·2	
29 4	J. J.	74 42·6	76 31·8	75 22·8	76 12·1	74 52·4	74 25·5	75 20·4	73 55·4	—	75 10·3	

[a] "Old Static No. 1" broken after this observation.

[b] "Old Static No. 2" employed until 31st December, 1845.

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Old Static No. 2."

	Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct.		Poles Direct. Face of Needle. Reversed.		Poles Reversed. Face of Needle. Direct.		Poles Reversed. Face of Needle. Reversed.		Half-Difference between Poles "Direct" and "Reversed,"	Inclination.	Monthly Means.
			a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*			
1844.	D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
July.	2 20	T. M.	74 57·1	76 23·5	75 30·9	76 01·7	—	—	—	—	24·7	75 18·6	
	3 4	T. M.	74 53·2	76 05·0	74 57·1	76 06·7	75 17·0	74 21·6	75 17·4	73 48·5	—	75 05·8	
	5 20	J. W.	74 54·1	76 22·8	74 41·6	76 07·3	—	—	—	—	18·2	75 13·2	
	6 4	J. W.	74 53·5	76 24·8	74 37·5	75 45·9	75 02·5	74 36·7	75 42·2	73 54·3	—	75 07·4	
	9 20	J. J.	74 39·3	76 40·6	75 20·1	76 10·2	—	—	—	—	29·5	75 13·0	
	10 4	J. J.	74 38·1	76 34·2	75 16·0	76 16·6	74 55·1	74 38·8	75 14·4	74 00·2	—	75 11·6	
	12 20	T. M.	74 54·2	76 24·2	75 43·8	75 39·7	—	—	—	—	31·9	75 08·2	
	13 4	T. M.	74 57·9	76 18·9	75 26·6	75 43·9	74 51·0	74 16·3	75 23·9	73 40·4	—	75 04·8	
	16 20	J. J.	74 42·5	76 35·5	75 21·8	76 09·8	—	—	—	—	34·3	75 08·1	
	17 4	J. J.	75 02·4	76 16·4	75 47·4	75 51·4	75 09·8	74 00·2	75 37·8	73 35·5	—	75 10·1	75 10·1
	19 20	W. G.	74 54·6	76 40·8	75 16·9	76 03·4	—	—	—	—	32·8	75 11·1	
	20 4	W. G.	74 38·9	76 44·1	75 22·4	76 07·0	75 25·1	74 11·2	74 57·1	73 56·3	—	75 10·2	
	23 20	J. W.	74 52·4	76 42·6	75 26·3	76 00·8	—	—	—	—	35·2	75 10·3	
	24 4	J. W.	74 51·1	76 39·2	75 25·3	76 00·5	74 59·4	74 09·4	75 20·0	73 45·2	—	75 08·7	
	26 20	J. W.	74 50·4	76 37·0	75 13·6	76 07·0	—	—	—	—	33·4	75 08·6	
	27 4	J. W.	74 49·7	76 37·5	75 15·7	76 08·9	74 43·7	74 21·7	75 14·7	74 03·8	—	75 09·4	
	30 20	T. M.	75 02·2	76 35·1	75 55·2	75 48·1	—	—	—	—	40·0	75 10·1	
	31 4	T. M.	74 56·4	77 23·5	75 26·0	75 46·9	75 03·8	73 56·7	75 37·2	73 35·0	—	75 13·2	
August.	2 20	J. W.	74 54·5	76 33·2	75 21·6	75 40·5	—	—	—	—	27·8	75 09·6	
	3 4	J. W.	75 04·6	76 31·2	75 22·5	75 17·7	75 04·4	74 15·6	75 23·0	73 50·6	—	75 06·2	
	9 20	T. M.	74 54·9	76 36·2	75 51·6	75 12·6	—	—	—	—	31·2	75 07·6	
	10 4	T. M.	75 07·8	76 31·6	75 47·1	75 20·9	75 01·8	74 13·7	75 53·2	75 28·9	—	75 10·6	
	13 20	J. J.	74 48·3	76 41·0	75 16 1	75 59·8	—	—	—	—	31·8	75 09·5	
	14 4	J. J.	74 46·9	76 37·4	75 16·9	76 04·9	74 41·4	74 28·5	75 17·3	74 04·0	—	75 09·6	
	16 20	W. G.	74 48·2	76 32·2	75 19·3	75 51·9	—	—	—	—	30·0	75 07·9	
	17 4	W. G.	74 53·0	76 35·2	75 20·9	75 54·6	75 09·4	75 22·7	75 56·2	74 15·0	—	75 10·8	75 10·1
	20 20	J. W.	74 53·0	76 31·8	75 22·4	75 50·4	—	—	—	—	27·5	75 11·9	
	21 4	J. W.	74 52·0	76 25·0	75 13·0	75 52·4	74 56·5	74 21·1	75 25·0	73 59·8	—	75 08·1	
	23 20	J. J.	74 43·6	76 42·6	75 12·3	75 59·4	—	—	—	—	30·6	75 08·9	
	24 4	J. J.	74 45·0	76 40·8	75 11·4	76 01·2	74 44·3	74 29·0	75 14·7	74 05·7	—	75 09·0	
	27 20	T. M.	74 55·0	76 27·7	75 46·9	75 45·2	—	—	—	—	28·5	75 15·2	
	28 4	T. M.	74 51·4	76 25·5	75 23·4	75 52·0	74 10·3	75 20·3	74 32·1	74 41·9	—	75 09·6	
	30 20	J. W.	74 53·9	76 36·8	75 26·2	75 56·6	—	—	—	—	31·9	75 11·5	
	31 4	J. W.	74 53·6	76 34·5	75 26·1	75 57·0	74 47·2	74 26·5	75 19·5	74 02·7	—	75 10·9	
September.	3 20	W. G.	74 56·7	76 28·1	75 54·5	75 50·0	—	—	—	—	27·8	75 10·5	
	4 4	W. G.	74 55·0	76 29·2	75 45·5	75 49·1	75 04·7	74 39·3	75 28·0	74 04·1	—	75 16·8	
	6 20	T. M.	74 50·2	76 30·6	75 35·8	75 53·0	—	—	—	—	24·9	75 17·5	
	7 4	T. M.	75 04·0	76 32·5	75 41·3	75 38·1	75 06·6	74 38·5	75 18·7	74 32·2	—	75 19·0	
	10 20	J. J.	74 42·7	76 42·3	75 17·0	76 24·5	—	—	—	—	32·7	75 13·9	
	11 4	J. J.	74 48·6	76 49 8	75 26·7	76 01·9	74 25·3	75 03·3	75 16·0	74 00·5	—	75 14·0	
	13 20	W. G.	75 02·8	76 36·5	75 45·4	75 49·8	—	—	—	—	26·7	75 21·9	
	14 4	W. G.	74 57·3	76 25·2	75 56·6	75 52·1	75 03·7	74 43·6	75 37·6	74 12·6	—	75 21·1	75 17·9
	17 20	J. W.	74 44·6	76 41·9	75 27·9	76 15·7	—	—	—	—	28·2	75 19·3	
	18 4	J. W.	74 52·9	76 36·2	75 29·8	76 12·1	75 05·8	74 45·8	75 18·2	74 15·5	—	75 19·5	
	20 20	J. J.	74 48·6	76 41·1	75 23·9	76 21·6	—	—	—	—	29·6	75 19·2	
	21 4	J. J.	74 40·2	76 44·7	75 28·9	76 15·2	74 43·9	74 55·1	75 12·2	74 21·0	—	75 17·6	
	24 20	T. M.	74 54·8	76 19 2	76 00·7	75 50·1	—	—	—	—	28·2	75 18·0	
	25 4	T. M.	74 58·0	76 19·6	75 44·9	75 53·7	74 58·0	74 40·4	75 35·4	73 57·2	—	75 15·9	
	27 20	J. W.	74 58·6	76 22·3	75 44·2	76 03·1	—	—	—	—	29·8	75 17·2	
	28 4	J. W.	75 00·0	76 20·5	75 43·2	75 48·0	74 41·3	74 45·0	75 15·5	74 11·4	—	75 13·1	

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Old Static No. 2."

Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Poles Direct. Face of Needle. Direct. a'	Poles Direct. Face of Needle. Reversed. a''	Poles Direct. Face of Needle. Reversed. a'''	Poles Reversed. Face of Needle. Direct. b	Poles Reversed. Face of Needle. Direct. b'	Poles Reversed. Face of Needle. Reversed. b''	Poles Reversed. Face of Needle. Reversed. b'''	Half-Difference between Poles "Direct" and "Reversed."	Inclination.	Monthly Means.
1844.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
D. H.												
October. 1 20	W. G.	75 02·5	76 24·9	75 47·3	76 04·2	—	—	—	—	21·7	75 28·0	
2 4	W. G.	74 57·0	76 17·8	76 06·5	75 37·9	75 08·1	74 42·9	75 43·2	74 31·3	—	75 23·1	
4 20	T. M.	75 00·1	76 25·7	75 48·7	75 33·4	—	—	—	—	28·7	75 13·3	
5 4	T. M.	75 01·9	76 19·9	75 44·5	75 45·3	75 07·0	74 28·4	75 36·4	73 49·8	—	75 14·1	
8 20	J. J.	74 43·9	76 52·7	75 32·5	76 21·1	—	—	—	—	37·6	75 14·9	
9 4	J. J.	74 38·9	76 54·7	75 31·4	76 18·0	74 45·7	74 18·0	74 58·0	74 19·9	—	75 13·1	
11 20	W. G.	74 45·1	76 47·2	75 21·1	76 17·8	—	—	—	—	32·4	75 15·4	
12 4	W. G.	74 49·3	76 39·8	75 33·1	76 17·1	75 04·6	74 25·6	75 38·5	73 51·5	—	75 17·4	
15 20	J. W.	74 59·5	76 41·4	75 47·4	76 07·7	—	—	—	—	33·6	75 20·4	75 17·9
16 4	J. W.	74 56·5	76 36·9	75 42·8	76 04·1	75 07·5	74 24·8	75 36·4	73 42·9	—	75 16·5	
18 20	J. J.	74 38·5	77 02·2	75 19·4	76 27·2	—	—	—	—	32·4	75 19·4	
19 4	J. J.	74 34·9	76 56·9	75 22·1	76 32·4	74 49·9	74 49·4	75 24·8	74 02·8	—	75 19·1	
22 20	T. M.	75 02·1	76 35·1	76 02·8	75 43·9	—	—	—	—	32·4	75 18·6	
23 4	T. M.	74 55·9	76 35·0	75 38·4	76 06·0	75 09·1	74 21·6	75 44·3	73 41·2	—	75 16·4	
25 20	J. W.	74 59·9	76 37·3	75 46·7	76 10·6	—	—	—	—	32·2	75 21·4	
26 4	J. W.	74 57·3	76 38·5	75 49·1	76 06·8	74 52·8	74 31·3	75 44·5	74 04·9	—	75 20·6	
29 20	W. G.	74 57·3	76 39·5	75 36·0	76 04·4	—	—	—	—	35·0	75 14·3	
30 4	W. G.	75 12·5	76 26·1	75 34·5	76 12·0	75 11·5	74 21·6	75 37·5	73 34·6	—	75 16·3	
November. 1 20	T. M.	74 56·8	76 30·2	75 49·1	76 10·1	—	—	—	—	31·8	75 19·7	
2 4	T. M.	75 08·1	76 27·8	75 46·1	75 49·5	75 12·0	74 16·6	75 45·9	73 42·3	—	75 16·0	
5 20	J. J.	74 38·4	76 55·7	75 41·5	76 33·2	—	—	—	—	32·0	75 25·2	
6 4	J. J.	74 40·3	76 50·0	75 26·1	76 27·7	74 43·8	74 47·3	75 18·7	74 20·5	—	75 19·0	
8 20	W. G.	74 52·2	76 43·0	75 49·1	76 04·0	—	—	—	—	32·6	75 19·5	
9 4	W. G.	74 51·8	76 32·9	75 44·6	76 13·6	75 01·9	74 28·0	75 32·2	73 59·8	—	75 18·1	
12 20	J. W.	74 49·0	76 43·6	75 34·1	76 16·7	—	—	—	—	33·9	75 16·9	
13 4	J. W.	74 53·3	76 42·4	75 28·7	76 16·4	75 00·9	74 28·7	75 34·1	73 45·5	—	75 16·2	75 20·3
20 4	T. M.	75 01·5	76 09·8	75 18·6	75 49·3	75 07·8	74 45·0	76 17·9	73 40·5	—	75 16·3	
22 20	J. W.	74 53·9	76 34·7	75 43·6	76 01·9	—	—	—	—	22·4	75 26·1	
23 4	J. W.	75 11·8	76 10·5	75 44·1	76 10·8	75 12·8	75 24·0	76 00·1	73 40·8	—	75 26·8	
26 20	T. M.	74 50·1	76 32·7	75 46·1	76 02·1	—	—	—	—	29·2	75 18·5	
27 4	T. M.	74 55·7	76 28·9	75 38·1	75 58·4	75 01·2	74 26·0	76 02·7	73 37·7	—	75 16·1	
29 20	W. H.	74 55·2	76 34·0	75 47·0	76 08·5	—	—	—	—	26·2	75 24·5	
30 4	W. H.	75 03·4	76 35·0	75 43·2	76 07·2	74 56·7	74 37·4	76 38·6	73 46·0	—	75 25·9	
December. 3 20	W. G.	75 39·8	76 13·0	74 51·3	76 32·4	—	—	—	—	32·0	75 17·1	
4 4	W. G.	74 56·4	76 29·8	75 37·3	76 17·7	74 45·9	74 42·8	75 36·3	74 00·2	—	75 18·3	
6 20	J. W.	74 54·1	76 32·5	75 37·8	76 17·6	—	—	—	—	35·7	75 14·8	
7 4	J. W.	74 51·5	76 38·1	75 40·0	76 14·3	74 56·7	74 20·1	75 38·7	73 42·6	—	75 15·2	
10 20	J. J.	74 43·0	76 55·4	75 19·4	76 35·6	—	—	—	—	29·3	75 24·0	
11 4	J. J.	74 35·8	76 57·7	75 14·1	76 44·1	74 50·1	74 45·6	75 21·6	74 39·5	—	75 23·5	
13 20	T. M.	74 58·8	76 23·4	75 38·2	76 10·9	—	—	—	—	33·4	75 14·4	75 19·0
14 4	T. M.	74 59·3	76 23·8	75 40·1	76 11·3	75 01·4	74 25·4	75 30·4	73 50·2	—	75 15·2	
17 21	W. H.	74 53·8	76 33·6	75 40·6	76 18·2	—	—	—	—	23·9	75 32·6	
18 4	W. H.	74 51·4	76 35·4	75 39·0	76 19·6	75 06·8	74 34·2	76 42·8	73 50·2	—	75 27·4	
20 20	W. G.	74 40·0	76 51·3	75 22·6	76 30·3	—	—	—	—	38·1	75 12·9	
21 4	W. G.	74 39·3	76 49·9	75 29·7	76 16·0	74 42·1	74 26·8	75 36·2	73 24·9	—	75 10·6	
27 20	T. M.	74 59·1	76 33·5	75 40·8	76 08·3	—	—	—	—	30·1	75 20·3	
28 4	T. M.	74 56·8	76 29·8	75 47·0	76 05·9	75 00·8	74 15·5	75 43·1	74 19·6	—	75 19·8	

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Old Static No. 2."

	Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct.		Poles Direct. Face of Needle. Reversed.		Poles Reversed. Face of Needle. Direct.		Poles Reversed. Face of Needle. Reversed.		Half-Difference between Poles "Direct" and "Reversed"	Inclination.	Monthly Means.
			a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*			
1845.	D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
January.	Dec. 31 20	T. M.	74 57·0	76 30·3	75 44·0	76 07·5	—	—	—	—	33·6	75 16·1	
	1 4	T. M.	74 56·4	76 26·4	75 37·7	76 11·8	75 08·4	74 14·2	75 39·4	73 41·2	—	75 14·4	
	3 20	J. W.	74 44·3	76 49·4	75 35·0	76 23·2	—	—	—	—	37·0	75 16·0	
	4 5	J. W.	74 56·2	76 48·9	75 46·9	76 12·0	75 15·6	74 09·8	75 44·1	73 38·3	—	75 18·9	
	7 20	J. J.	74 43·7	76 57·8	75 26·3	76 40·2	—	—	—	—	33·7	75 23·3	
	8 4	J. J.	74 38·7	76 50·7	75 22·8	76 31·3	74 46·2	74 38·4	75 13·8	74 15·3	—	75 17·1	
	10 20	W. G.	75 01·2	76 33·3	76 12·5	76 11·6	—	—	—	—	37·3	75 22·3	
	11 4	W. G.	75 01·2	76 33·2	75 43·5	76 10·3	74 49·7	74 30·3	75 17·4	73 52·6	—	75 14·8	
	14 20	W. H.	75 06·1	73 49·9	74 22·3	75 36·9	—	—	—	—	28·9	75 12·7	
	15 4	W. H.	76 49·4	75 36·2	76 11·2	74 58·8	73 49·0	75 12·3	75 06·4	75 36·6	—	75 25·0	75 18·4
	17 20	T. M.	75 00·8	76 40·7	75 33·5	76 15·6	—	—	—	—	34·8	75 17·8	
	18 4	T. M.	74 56·4	76 44·5	75 33·1	76 11·4	75 05·8	74 19·7	75 34·1	73 47·1	—	75 16·5	
	21 20	J. W.	74 47·4	76 41·9	75 37·8	76 18·1	—	—	—	—	33·9	75 17·4	
	22 4	J. W.	74 48·5	76 49 7	75 30·4	76 17·0	75 08·1	74 28·1	75 39·0	73 39·4	—	75 17·5	
	24 20	J. J.	74 42·8	77 09·2	75 19·3	76 31·3	—	—	—	—	34·3	75 21·3	
	25 4	J. J.	74 44·7	76 58·4	75 18·7	76 34·9	74 41·2	74 48·0	75 15·8	74 17·5	—	75 19·9	
	28 20	W. G.	74 51·4	76 47·6	75 48·8	76 15·3	—	—	—	—	34·7	75 21·1	
	29 4	W. G.	75 03·0	76 47·4	75 38·1	76 10·6	75 08·8	74 26·1	75 47·5	73 38·7	—	75 20·0	
February.	Jan. 31 20	W. H.	74 58·0	76 48·2	75 42·4	76 12·0	—	—	—	—	34·6	75 20·5	
	1 4	W. H.	74 55·6	76 35·4	75 40·0	76 07·4	75 03·6	74 20·2	75 32·6	73 45·2	—	75 15·0	
	7 20	J. W.	75 18·0	76 31·8	75 44·9	76 01·2	—	—	—	—	34·3	75 19·7	
	8 4	J. W.	75 12·2	76 35·4	75 45·7	76 00·1	75 02·5	74 36·5	75 28·4	73 51·2	—	75 18·9	
	11 20	J. J.	74 54·8	76 55·5	75 25·4	76 22·5	—	—	—	—	38·9	75 15·6	
	12 4	J. J.	74 51·5	77 01·2	75 30·4	76 33·6	74 41·0	74 57·0	74 48·3	74 19·1	—	75 20·2	
	14 20	W. G.	75 15·2	76 40·5	75 50·1	76 10·1	—	—	—	—	27·8	75 31·2	
	15 4	W. G.	75 16·2	76 45·3	75 49·3	76 10·7	74 40·7	75 14·8	74 27·7	75 56·2	—	75 32·6	75 19·5
	18 20	W. H.	74 59·4	76 39·2	75 36·8	76 18·9	—	—	—	—	36·7	75 16·9	
	19 4	W. H.	75 00·6	76 43·2	75 42·8	76 11·8	75 03·2	74 20·2	75 39·2	73 42·2	—	75 17·9	
	21 20	T. M.	75 04·0	76 17·2	75 10·4	76 22·0	—	—	—	—	35·0	75 08·4	
	22 4	T. M.	75 29·0	76 35·1	75 17·8	76 17·0	75 21·2	74 21·9	75 07·8	74 07·8	—	75 19·7	
	25 20	J. W.	75 27·0	76 21·0	75 25·9	76 20·3	—	—	—	—	34·4	75 19·1	
	26 4	J. W.	75 21·9	76 18·9	75 27·4	76 21·7	75 19·0	74 20·7	74 58·2	74 16·4	—	75 18·0	
March.	Feb. 28 20	J. J.	74 37·6	74 36·8	75 12·2	76 43·1	—	—	—	—	21·3	75 16·1	
	1 4	J. J	74 41·6	76 36·0	75 15·4	76 40·6	75 00·4	74 30·9	74 55·0	74 36·9	—	75 17·1	
	4 20	W. G.	75 18·7	75 47·8	75 19·8	76 15·1	—	—	—	—	28·0	75 12·3	
	5 4	W. G.	75 19·6	76 16·4	75 11·5	76 10·0	75 38·7	73 59·8	74 10·6	75 24·6	—	75 16·4	
	7 20	W. H.	75 26·0	76 22·6	75 24·6	76 14·6	—	—	—	—	31·6	75 20·3	
	8 4	W. H.	75 23·6	76 17·0	75 28·0	76 22·2	75 20·4	74 23·4	75 22·6	74 11·8	—	75 21·1	
	11 20	T. M.	75 47·0	75 52·2	75 43·6	75 47·9	—	—	—	—	36·0	75 11·7	
	12 4	T. M.	75 50·5	75 45·0	75 52·7	75 40·9	74 52·2	74 09·0	74 43·4	74 36·6	—	75 11·3	
	14 20	J. W.	75 19·7	76 20·8	75 13·1	76 12·7	—	—	—	—	33·8	75 12·8	
	15 4	J. W.	75 21·9	76 13·8	75 18·2	76 20·4	75 20·4	74 02·9	75 03·5	74 16·7	—	75 14·7	75 14·5
	18 20	J. J.	74 59·2	76 33·1	74 55·5	76 42·3	—	—	—	—	31·3	75 16·2	
	19 4	J. J.	75 02·8	76 33·5	74 57·4	76 38·1	75 28·2	74 09·4	75 13·9	74 09·9	—	75 16·6	
	21 20	J. J.	75 00·7	76 21·4	74 46·2	76 26·3	—	—	—	—	33·6	75 05·0	
	22 4	T. M.	75 02·5	76 30·5	75 00·4	76 25·1	75 13·9	73 54·9	75 10·6	74 10·2	—	75 11·0	
	25 20	J. W.	75 09·0	76 26·6	75 06·2	76 22·8	—	—	—	—	34·0	75 12·1	
	26 4	J. W.	75 10·4	76 26·0	75 11·4	76 22·5	75 10·6	74 03·4	75 06·5	74 18·1	—	75 13·6	
	28 20	J. J.	75 17·2	76 25·6	75 08·0	76 20·0	—	—	—	—	30·5	75 17·2	
	29 4	J. J.	75 17·2	76 25·3	75 08·5	76 20·0	75 09·3	74 20·0	75 10·0	74 27·2	—	75 17·1	

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Old Static No. 2."

Toronto Mean Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Poles Direct. Face of Needle. Direct. a'	Poles Direct. Face of Needle. Reversed. a''	Poles Direct. Face of Needle. Reversed. a'''	Poles Reversed. Face of Needle. Direct. b	Poles Reversed. Face of Needle. Direct. b'	Poles Reversed. Face of Needle. Reversed. b''	Poles Reversed. Face of Needle. Reversed. b'''	Half-Difference between Poles "Direct" and "Reversed."	Inclination.	Monthly Means.
1845.												
h. m.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
1 20	W. G.	75 05·9	76 20·8	75 18·6	76 27·0	—	—	—	—	35·3	75 12·8	
2 4	W. G.	75 12·4	76 25·7	75 13·3	76 21·3	74 57·2	73 56·6	75 15·3	74 21·2	—	75 12·9	
4 20	W. H.	75 19·4	76 30·6	75 13·9	76 09·6	—	—	—	—	33·6	75 14·8	
5 4	W. H.	75 23·0	76 28·4	75 17·6	76 08·4	75 08·6	74 11·8	75 06·1	74 21·4	—	75 15·6	
8 20	T. M.	75 31·4	76 11·1	75 23·5	76 09·7	—	—	—	—	34·1	75 14·8	
9 4	T. M.	75 31·2	75 26·1	75 27·4	76 09·4	75 04·7	74 01·9	74 40·0	74 14·2	—	75 04·3	
11 20	J. W.	75 51·4	75 47·0	75 27·7	76 22·1	—	—	—	—	37·1	75 14·9	
12 4	J. W.	75 51·6	75 56·1	75 21·9	76 15·4	74 56·8	74 04·0	75 04·4	74 22·3	—	75 14·0	
15 20	J. J.	75 22·7	75 47·1	75 24·8	76 23·5	—	—	—	—	30·1	75 14·4	75 11·5
16 4	J. J.	75 20·8	76 00·0	75 18·2	76 06·9	75 02·5	74 03·3	75 28·1	74 11·4	—	75 11·4	
18 20	W. G.	75 21·7	75 59·8	75 22·4	76 11·2	—	—	—	—	32·4	75 11·4	
19 4	W. G.	75 32·1	76 02·1	75 31·6	76 10·6	75 09·8	74 11·9	75 15·6	74 19·8	—	75 16·7	
23 20	T. M.	76 38·2	75 38·3	76 46·9	75 31·9	—	—	—	—	59·8	75 09·0	
26 4	T. M.	76 34·0	75 36·3	76 43·0	75 28·8	73 37·8	74 33·1	73 42·9	74 30·3	—	75 05·7	
29 20	J. W.	76 49·0	75 37·0	76 44·9	75 32·3	—	—	—	—	66·3	75 04·5	
30 4	W. G.	76 43·1	75 40·7	76 52·5	75 38·9	73 40·6	74 20·7	73 30·6	74 32·4	—	75 07·4	
2 20	J. J.	76 31·9	75 45·7	76 43·7	75 36·2	—	—	—	—	61·1	75 08·3	
3 4	J. J.	76 28·8	75 47·0	76 33·9	75 41·5	73 30·0	74 40·9	73 30·0	74 41·6	—	75 06·7	
6 20	W. G.	76 29·7	74 19·4	76 20·0	74 29·5	—	—	—	—	4·2	75 20·4	
7 5	W. G.	76 23·0	74 14·3	76 20·5	74 31·4	74 01·0	76 25·7	73 59·4	76 29·4	—	75 18·1	
9 20	W. H.	76 29·2	74 12·6	76 16·8	74 26·0	—	—	—	—	3·2	75 18·0	
10 4	W. H.	76 28·6	74 15·6	76 15·7	74 23·9	74 04·4	76 18·8	74 07·4	76 27·1	—	75 17·6	
13 20	T. M.	76 30·1	74 01·1	76 31·3	74 07·9	—	—	—	—	2·7	75 14·9	
14 4	T. M.	76 30·1	74 00·0	76 32·2	74 05·2	73 56·9	76 21·3	74 10·8	76 16·6	—	75 14·1	
16 20	J. W.	76 31·7	74 12·7	76 21·3	74 19·6	—	—	—	—	2·3	75 19·0	
17 4	J. W	76 34·4	73 55·0	76 17·6	74 16·9	74 17·0	76 09·8	73 57·6	76 21·1	—	75 13·7	75 15·4
20 20	J. J.	76 41·4	73 59·0	76 28·6	74 21·0	—	—	—	—	5·3	75 17·2	
21 4	J. J.	76 39·7	74 00·8	76 24·6	74 19·1	74 26·1	76 02·0	73 52·9	76 20·4	—	75 15·6	
23 20	W. G.	76 51·8	73 57·1	76 17·3	74 17·7	—	—	—	—	1·9	75 19·0	
24 4	W. G.	76 47·9	73 49·7	76 25·2	74 09·2	74 07·1	76 15·4	74 09·6	76 25·0	—	75 16·1	
27 20	W. H.	76 29·8	74 12·2	76 16·0	74 22·8	—	—	—	—	6·9	75 13·3	
28 4	W. H.	76 31·7	74 11·0	76 23·8	74 21·4	74 15·8	76 09·6	73 51·8	76 18·6	—	75 15·8	
30 20	T. M.	76 31·4	74 08·1	76 18·7	74 21·8	—	—	—	—	6·2	75 13·8	
31 4	T. M.	76 40·3	74 02·5	76 26·4	74 17·7	74 13·7	76 02·5	74 01·2	76 19·8	—	75 15·5	
3 20	J. W.	76 24·0	74 09·6	76 23·9	74 35·2	—	—	—	—	6·9	75 16·3	
4 4	J. W.	76 32·1	74 12·6	76 20·0	74 30·0	74 12·0	76 09·8	73 53·7	76 24·0	—	75 16·8	
6 20	J. J.	76 41·6	74 02·7	76 28·8	74 19·8	—	—	—	—	7·5	75 15·7	
7 4	J. J.	76 41·9	73 59·0	76 27·8	74 19·4	74 18·2	76 00·0	74 03·6	76 05·8	—	75 14·4	
10 20	W. G.	77 09·8	74 14·8	76 21·8	74 27·2	—	—	—	—	12·2	75 21·2	
11 4	W. G.	76 31·4	74 04·8	76 25·4	74 50·4	73 57·2	76 04·6	73 54·4	76 18·0	—	75 15·8	
13 20	J. J.	76 41·8	74 01·6	76 23·5	74 20·4	—	—	—	—	9·1	75 12·7	
14 4	J. J.	76 40·2	74 00·8	76 29·8	74 17·2	74 15·2	75 50·4	74 05·1	76 04·0	—	75 12·8	75 15·2
17 20	T. M.	76 46·4	74 01·1	76 31·2	74 13·8	—	—	—	—	9·0	75 14·1	
18 4	T. M.	76 48·7	74 00·3	76 40·6	74 09·8	74 00·9	76 04·4	73 56·1	76 25·8	—	75 15·8	
20 20	J. W.	76 40·3	74 02·1	76 22·6	74 22·8	—	—	—	—	10·3	75 11·6	
21 4	J. W.	76 42·0	73 58·4	76 26·2	74 27·6	74 01·3	75 59·0	73 47·3	76 23·5	—	75 13·1	
24 20	J. J.	76 40·8	74 12·2	76 24·4	74 24·2	—	—	—	—	12·1	75 13·3	
25 4	J. J.	76 34·0	74 11·2	76 29·2	74 29·0	74 00·0	76 06·6	73 56·0	76 04·0	—	75 13·7	
27 20	W. G.	76 35·7	74 12·7	76 41·4	74 21·2	—	—	—	—	7·5	75 20·3	
28 4	W. G.	76 41·4	74 06·2	76 24·4	74 22·4	73 55·3	76 23·4	73 43·1	76 32·8	—	75 16·1	

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Old Static No. 2."

Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct. *a*	Poles Direct. Face of Needle. Direct. *a'*	Poles Direct. Face of Needle. Reversed. *a''*	Poles Direct. Face of Needle. Reversed. *a'''*	Poles Reversed. Face of Needle. Direct. *b*	Poles Reversed. Face of Needle. Direct. *b'*	Poles Reversed. Face of Needle. Reversed. *b''*	Poles Reversed. Face of Needle. Reversed. *b'''*	Half Difference between Poles "Direct" and "Reversed."	Inclination.	Monthly Mean.
1845. D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	°
July. 1 20	W. H.	76 40·2	74 09·8	76 19·2	74 23·6	—	—	—	—	8·4	75 14·8	
2 4	W. H.	76 39·2	74 00·2	76 23·0	74 22·4	74 03·8	76 03·2	73 47·0	76 23·2	—	75 12·7	
4 20	T. M.	76 45·6	74 00·4	76 29·7	74 11·8	—	—	—	—	10·4	75 11·5	
5 4	T. M.	76 42·3	74 01·6	76 33·0	74 14·1	73 50·7	76 10·4	73 41·1	76 25·4	—	75 12·3	
8 20	J. W.	76 38·4	74 11·4	76 26·6	74 27·7	—	—	—	—	11·4	75 14·6	
9 4	J. W.	76 38·5	74 07·6	76 29·0	74 22·2	73 55·9	76 05·4	73 41·8	76 22·9	—	75 12·9	
11 20	J. J.	76 32·8	74 10·8	76 21·4	74 26·8	—	—	—	—	10·2	75 12·7	
12 4	J. J.	76 52·5	74 12·2	76 30·5	74 12·0	73 55·6	76 00·8	73 55·0	76 34·0	—	75 16 5	
15 20	W. G.	76 30·6	74 23·7	76 38·6	74 27·2	—	—	—	—	10·9	75 19·1	
16 4	W. G.	76 53·9	74 15·6	76 33·1	74 17·0	73 57·4	76 16·0	73 49·2	76 29·9	—	75 19·0	
18 20	W. H.	76 39·2	74 10·8	76 30·2	74 24·2	—	—	—	—	12·4	75 13·7	
19 4	W. H.	76 41·4	74 11·0	76 25·8	74 25·6	73 54·6	76 06·8	73 41·8	76 20·8	—	75 13·4	
22 20	T. M.	76 40·2	74 08·2	76 20·3	74 19·5	—	—	—	—	11·4	75 10·6	
23 4	T. M.	76 44·0	74 04·7	76 30·0	74 20·8	73 59·2	75 59·7	73 52·[illegible]	76 17·0	—	75 13·5	
25 20	J. W.	76 39·5	74 05·7	76 28·4	74 21·7	—	—	—	—	10·8	75 13·0	
26 4	J. W.	76 42·5	74 05·5	76 29·3	74 18·9	74 02·1	76 05·5	73 5[illegible]	6[illegible]1·3	—	75 13·1	
29 20	J. J.	76 49·9	74 03·0	76 42·9	74 11·4	—	—	—	—	10·1	75 16·7	
30 4	J. J.	76 56·0	74 00·5	76 36·5	74 09·2	74 11·2	75 52·3	73 59·[illegible]	[illegible]6 18·1	—	75 15·4	
August. 1 20	W. G.	76 36·7	74 14·6	76 13·9	74 30·8	—	—	—	—	10·4	75 13·6	
2 4	W. G.	76 34·9	74 15·4	7[illegible] 09·2	74 29·9	73 42·6	76 30·2	73 41·5	76 31·8	—	75 16 9	
5 20	W. H.	76 38·8	74 09·2	[illegible]0·4	74 23·5	—	—	—	—	10·5	75 15·0	
6 4	W. H.	76 40·2	74 10·0	[illegible]31·2	74 18·4	73 58·9	76 07·0	73 51·8	76 18·1	—	75 14·4	
8 20	T. M.	76 50·0	74 02·8	76 32·0	73 49·6	—	—	—	—	9·0	75 09·6	
9 4	T. M.	76 48·0	73 59·3	76 30·0	74 09·6	74 08·6	76 07·3	73 56·6	76 02·3	—	75 12·7	
12 20	J. W.	76 39·8	74 02·6	76 23·1	74 16·8	—	—	—	—	9·8	75 10·8	
13 4	J. W.	76 40·4	74 02·9	76 27·0	74 18·2	74 01·9	76 00·7	73 49·1	76 18·3	—	75 12·3	
15 20	J. J.	76 36·9	74 12·8	76 25·1	74 26·9	—	—	—	—	11·1	75 14·3	
16 4	J. J.	76 36·1	74 11·6	76 28·2	74 24·9	74 00·6	76 05·6	73 50·8	76 14·0	—	75 14·0	
19 20	W. G.	76 37·2	74 09·7	76 35·2	74 29·6	—	—	—	—	8·0	75 19·0	
20 4	W. G.	76 36·4	74 21·3	76 34·8	74 24·5	74 15·5	76 30·6	73 54·4	76 12·6	—	75 21·3	
22 20	W. H.	76 40·8	74 04·5	76 26·6	74 23·0	—	—	—	—	10·5	75 13·2	
23 4	W. H.	76 43·2	74 07·7	76 27·9	74 24·0	74 03·8	76 04·8	73 51·2	76 18·6	—	75 15·1	
26 20	T. M.	76 44·9	74 07·2	76 34·3	74 24·6	—	—	—	—	13·0	75 14·7	
27 4	T. M.	76 42·1	74 04·1	76 29·7	74 25·0	73 49·3	76 03·4	73 46·6	76 17·4	—	75 12·2	
29 20	J. W.	76 33·4	74 21·3	76 22·4	74 33·2	—	—	—	—	12·7	75 14·9	
30 4	J. W.	76 32·8	74 20·1	76 23·1	74 33·5	74 00·8	76 00·3	73 52·0	76 14·6	—	75 14·6	
September. 2 20	W. H.	76 34·6	74 19·5	76 29·0	74 23·5	—	—	—	—	12·2	75 14 4	
3 4	W. H.	76 36·2	74 13·2	76 29·6	74 27·8	74 04·2	76 02·4	73 51·1	76 11·5	—	75 14·5	
5 20	W. G.	76 33·0	74 23·0	76 32·4	74 33·2	—	—	—	—	10·8	75 19·6	
6 4	W. G.	76 40·0	74 13·4	76 34·1	74 22·7	73 58·3	76 15·2	73 52·4	76 17·8	—	75 16·7	
9 20	W. H.	76 37·6	74 12·0	76 31·1	74 32·2	—	—	—	—	10·7	75 17 5	
10 4	W. H.	76 38·4	74 16·4	76 26·8	74 28·8	74 07·0	76 07·4	73 45·4	76 25·2	—	75 16 9	
12 20	T. M.	76 51·9	74 00·2	76 35·5	74 18·5	—	—	—	—	9·0	75 17·5	
13 4	T. M.	76 47·2	74 01·3	76 35·3	74 22·4	74 05·8	76 19·4	73 56·6	76 12·3	—	75 17·5	
16 20	J. W.	76 36·5	74 09·7	76 19·2	74 29·0	—	—	—	—	9·8	75 13·8	
17 4	J. W.	76 41·1	74 07·3	76 20·6	74 22·8	74 [illegible]	75 54·2	73 50·5	76 16·8	—	75 13·0	
19 20	J. J.	76 41·3	74 17·4	76 21·0	74 41·6	—	—	—	—	11·5	75 18·8	
20 4	J. J.	76 34·8	74 27·8	76 27·8	74 27·8	73 58·9	76 08·8	73 59·6	76 17·4	—	75 17·9	
23 20	W. G.	76 30·7	74 18·4	76 34·9	74 19·8	—	—	—	—	9·2	75 19·0	
24 4	W. G.	76 43·0	74 14·1	76 31·5	74 27·8	73 54·4	76 11·8	74 11·0	76 25·3	—	75 19·8	
26 20	W. H.	76 37·7	74 13·0	76 16·8	74 26·8	—	—	—	—	8·0	75 15·6	
27 4	W. H.	76 36·0	74 13·8	76 15·8	74 25·0	73 55·2	76 16·6	73 53·2	76 20·8	—	75 14·5	

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Old Static No. 2."

Toronto Mean Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct. *a*	Poles Direct. Face of Needle. Direct. *a'*	Poles Direct. Face of Needle. Reversed. a''	Poles Direct. Face of Needle. Reversed. a'''	Poles Reversed. Face of Needle. Direct. *b*	Poles Reversed. Face of Needle. Direct. b'	Poles Reversed. Face of Needle. Reversed. b''	Poles Reversed. Face of Needle. Reversed. b'''	Half-Difference between Poles "Direct" and "Reversed."	Inclination.	Monthly Means.
1845. D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
30 20	W. G.	76 27·7	74 15·9	76 15·0	74 31·2	—	—	—	—	16·1	75 06·3	
1 4	W. G.	76 39·2	74 28·8	76 30·1	74 38·0	73 50·0	76 03·7	73 55·0	76 18·1	—	75 17·9	
3 20	J. W.	76 33·0	74 16·4	76 22·2	74 20·6	—	—	—	—	10·9	75 12·1	
4 4	J. W.	76 37·1	74 20·4	76 18·7	74 18·1	74 04·0	75 59·8	73 45·8	76 17·2	—	75 12·6	
7 20	J. J.	76 35·8	74 16·4	76 34·0	74 35·2	—	—	—	—	13·9	75 16·4	
8 4	J. J.	76 34·5	74 21·8	76 24 0	74 41·0	74 05·4	75 59·5	73 46·3	76 18·6	—	75 16·3	
10 20	W. G.	76 39·0	74 16·7	76 29·6	74 21·0	—	—	—	—	15·1	75 11·5	
11 4	W. G.	76 37·3	74 28·9	76 29·2	74 31·6	74 04·8	76 04·8	73 47·0	76 09·2	—	75 16·5	
14 20	W. H.	76 34·8	74 19·0	76 31·2	74 28·6	—	—	—	—	13·5	75 14·9	
15 4	W. H.	76 35·0	74 19·0	76 25·6	74 29·2	74 03·2	76 02·2	73 45·4	76 10·2	—	75 13·7	75 14·3
17 20	T. M.	76 39·7	74 11·3	76 28·0	74 26·9	—	—	—	—	13·7	75 12·8	
18 4	T. M.	76 44·1	74 11·4	76 32·6	74 22·2	73 53·8	75 57·3	73 56·1	76 13·4	—	75 13·8	
21 20	J. W.	76 56·0	74 16·7	76 39·4	74 40·5	—	—	—	—	16·5	75 21·6	
22 4	J. W.	76 52·0	74 15·5	76 34·4	74 40·2	74 01·8	76 07·6	73 41·0	76 19·8	—	75 19·0	
24 20	J. J.	76 41·2	74 21·4	76 25·9	74 36·8	—	—	—	—	19·1	75 12·2	
25 4	J. J.	76 44·2	74 30·4	76 35·0	74 41·4	74 00·2	76 00·0	73 28·4	76 29·0	—	75 18·5	
28 20	J J.	76 53·3	74 01·8	77 02·1	74 15·9	—	—	—	—	24·4	75 08·9	
29 4	W. G.	77 06·8	74 08·3	76 53·5	74 19·9	73 57·3	75 57·9	73 04·1	76 13·8	—	75 12·7	
31 20	W. G.	76 52·6	74 04·7	77 02 3	74 34·2	—	—	—	—	17·8	75 20·6	
1 4	W. H.	77 02·4	73 53·2	77 07·4	74 25·4	73 49·8	76 09·0	73 53·4	76 13·6	—	75 19·2	
4 20	W. H.	77 22·6	73 48·7	77 26·0	73 57·4	—	—	—	—	20·0	75 18·7	
5 4	T. M.	77 20·0	73 43·3	77 24·6	73 56·5	73 36·8	76 07·4	73 25·6	76 34·3	—	75 16·0	
7 20	J. W.	77 00·2	74 11·0	77 04·7	74 07·3	—	—	—	—	19·7	75 16·1	
8 4	J. W.	77 08·8	74 03·0	77 12·6	74 06·0	73 35·4	76 12·7	73 22·8	76 42·1	—	75 17·9	
11 20	J. J.	77 01·0	74 14·1	77 01·6	74 18·0	—	—	—	—	21·9	75 16·8	
12 4	J. J.	77 12·0	74 09·6	76 55·5	74 22·4	73 23·7	76 30·2	73 08·4	76 42·0	—	75 18·0	
14 20	W. G.	77 03·4	73 58·3	77 04.6	74 08·1	—	—	—	—	25·4	75 08·2	75 16·8
15 4	W. G.	77 00·9	74 09·6	77 05·1	74 17·1	73 15·9	76 18·1	73 18·4	76 16·8	—	75 12·7	
18 20	W. H.	—	—	—	—	73 44·1	76 15·4	73 25·7	76 35·9	17·4	75 17·7	
19 4	W. H.	76 59·1	74 08·4	77 00·6	74 11·3	73 41·5	76 18·2	73 23·0	76 36·9	—	75 17·3	
21 20	T. M.	76 52·3	74 08·1	76 49·2	74 19·5	—	—	—	—	17·7	75 14·6	
22 4	T. M.	76 56·9	74 04·0	76 58·6	74 16·6	73 49·9	76 04·7	73 40·2	76 19·4	—	75 16·2	
25 20	J. W.	77 00·3	74 13·0	76 56·6	74 24·6	—	—	—	—	18·3	75 20·3	
26 4	J. W.	77 01·1	74 03·8	76 57·6	74 17·7	73 49·8	76 13·0	73 21·5	76 29·2	—	75 16·7	
28 20	J. J.	77 06·8	74 00·8	77 00·0	74 12·5	—	—	—	—	—	75 17·3	
29 4	J. J.	77 09·3	73 57·6	77 03·3	74 11·6	73 49·1	76 10·7	73 31·1	76 29·1	—	75 17·7	
5 20	W. H.	76 51·6	74 13·5	76 53·1	74 14·3	73 28·2	76 41·3	73 26·1	76 39·8	9·0	75 18·4	
6 4	W. H.	76 49·3	74 12·3	76 53·4	74 14·4	73 31·5	76 35·1	73 32·5	76 36·7	—	75 18·1	
9 20	T. M.	76 53·9	73 58·8	76 57·1	74 00·7	—	—	—	—	19·2	75 08·4	
10 4	T. M.	77 02·1	74 04·5	76 58·8	74 05·9	73 55·3	75 41·1	73 33·4	76 27·6	—	75 13·5	
12 20	J. W.	76 52·6	74 00·4	77 01·6	74 08·0	—	—	—	—	17·5	75 13·1	
13 4	J. W.	77 02·3	74 00·4	77 05·7	74 07·9	73 39·8	76 13·7	73 35·3	76 27·4	—	75 16·5	
16 20	J. J.	76 56·0	73 59·6	76 59·5	74 01·3	73 39·4	76 16·8	73 37·4	76 31·2	—	75 15·1	
17 4	J. J.	76 59·9	74 08·4	76 55·3	73 58·8	73 39·5	76 20·4	73 31·7	76 29·4	—	75 15·4	75 15·2
19 20	W. G.	76 36·4	74 16·5	76 45·1	74 04·9	—	—	—	—	16·5	75 09·2	
20 4	W. G.	77 05·2	74 09·9	76 54·7	74 06·8	73 04·6	77 11·2	73 07·4	76 41·3	—	75 17·6	
23 20	W. H.	77 02 6	74 03·0	77 03·8	74 05·1	—	—	—	—	17·6	75 16·0	
24 4	W. H.	77 04·0	74 03·5	77 03·6	74 04·8	73 38·4	76 17·9	73 35·9	76 22·8	—	75 16·3	
26 20	W. H.	77 00·3	74 04·2	77 03·0	74 03·1	—	—	—	—	15·3	75 17·3	
27 4	W. H.	76 59·9	74 01·9	76 53·6	74 11·2	73 44·7	76 20·3	73 44·2	76 14·3	—	75 16·2	
30 20	W. G.	76 58·7	74 04·9	77 02·6	74 01·7	—	—	—	—	17·4	75 14·6	
31 4	W. G.	77 00 6	74 13·5	77 02·8	74 06·2	73 32·3	76 32 8	73 34·0	76 24·5	—	75 18·3	

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Gambey, G. 1."

	Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct.		Poles Direct. Face of Needle. Reversed.		Poles Reversed. Face of Needle. Direct.		Poles Reversed. Face of Needle. Reversed.		Inclination.	Monthly Means.
			a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
	1846. D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
January.	2 20[a]	W. H.	75 00·9	75 32·1	75 39·4	74 56·2	74 58·9	75 43·9	75 26·3	74 40·3	75 14·7	
	3 4	W. H.	75 01·1	75 34·7	75 39·9	74 57·9	74 59·2	75 42·4	75 28·8	74 41·2	75 15·6	
	6 20	T. M.	74 55·6	75 44·7	75 28·5	74 35·7	75 00·8	75 28·5	75 31·2	74 55·1	75 12·5	
	7 4	T. M.	74 54·4	75 40·8	75 28·1	74 36·8	74 56·9	75 34·4	75 28·3	75 02·5	75 12·7	
	9 20	J. W.	75 00·8	75 43·9	75 32·7	74 43·5	75 00·0	75 24·7	75 31·8	74 58·4	75 14·4	
	10 4	J. W.	75 00·6	75 40·4	75 30·2	74 45·3	75 01·0	75 23·3	75 33·6	74 55·1	75 13·6	
	13 20	J. W.	74 59·6	75 41·4	75 28·2	74 42·0	75 03·6	75 27·8	75 38·6	74 54·7	75 14·5	
	14 4	J. W.	74 59·4	75 41·6	75 29·2	74 41·4	75 03·5	75 30·4	75 33·2	74 55·9	75 14·3	
	16 20	J. J.	74 55·1	75 42·8	75 26·2	74 41·2	75 04·4	75 27·6	75 36·2	74 54·3	75 13·5	75 13·9
	17 4	J. J.	74 56·8	75 41·9	75 26·2	74 41·3	75 02·5	75 27·5	75 36·4	74 54·8	75 13·4	
	20 20	W. H.	75 01·3	75 44·4	75 34·0	74 43·1	75 04·0	75 27·9	75 33·3	74 56·2	75 15·5	
	21 4	W. H.	75 01·2	75 44·0	75 33·1	74 42·6	75 01·8	75 26·2	75 32·9	74 56·7	75 14·8	
	23 20	J. J.	74 55·5	75 41·5	75 32·0	74 47·2	75 00·0	75 30·0	75 34·0	74 54·3	75 14·3	
	24 4	J. J.	75 00·4	75 40·8	75 32·7	74 39·4	75 01·6	75 30·6	75 31·7	74 54·6	75 14·0	
	27 20	J. W.	74 51·2	75 33·0	75 35·6	74 48·4	74 50·4	75 36·0	75 36·0	74 56·4	75 13·3	
	28 4	J. W.	74 58·1	75 40·2	75 29·8	74 42·8	74 58·4	75 33·3	75 31·6	74 56·1	75 13·7	
	30 20	J. J.	74 53·0	75 42·8	75 22·8	74 43·1	75 06·8	75 28·8	75 29·4	74 53·7	75 12·5	
	31 4	J. J.	74 53·3	75 41·0	75 26·7	74 40·8	75 01·0	75 29·8	75 33·4	74 53·4	75 12·5	
February.	3 20	W. G.	75 02·4	75 30·8	75 35·0	74 57·1	74 55·4	75 44·1	75 28·9	74 57·3	75 16·3	
	4 4	W. G.	75 00·9	75 28·5	75 32·2	74 59·2	74 55·7	75 41·7	75 29·9	74 44·3	75 14·0	
	6 20	W. H.	75 04·6	75 29·1	75 32·6	74 59·0	74 56·4	74 45·1	75 25·1	74 42·7	75 14·3	
	7 4	W. H.	75 01·8	75 26·7	75 33·6	74 57·0	74 56·2	75 44·0	75 26·8	74 45·9	75 14·0	
	10 20	T. M.	74 56·4	75 38·9	75 24·0	74 38·4	75 00·0	75 28·2	75 30·0	74 57·7	75 11·7	
	11 4	T. M.	75 00·0	75 44·3	75 29·3	74 40·7	75 00·0	75 25·6	75 30·4	74 54·9	75 13·1	
	13 20	J. W.	75 00·8	75 34·0	75 33·4	74 45·4	74 59·0	75 35·7	75 40·0	4 58·1	75 15·8	
	14 4	J. W.	75 00·2	75 40·2	75 32·7	74 47·5	75 02·5	75 32·4	75 34·3	74 58·8	75 16·0	75 14·2
	17 20	J. J.	75 01·4	75 20·0	75 31·7	75 01·6	74 57·7	75 44·8	75 29·1	74 44·2	75 13·8	
	18 4	J. J.	75 07·6	75 38·8	75 21·5	74 50·5	74 57·8	75 43·3	75 25·4	74 48·0	75 14·1	
	20 20	W. G.	74 51·8	75 42·3	75 22·4	74 51·0	75 01·4	75 28·4	75 33·4	74 56·2	75 13·3	
	21 4	W. G.	74 55·5	75 39·4	75 24·7	74 48·5	75 02·0	75 36·2	75 31·9	74 52·8	75 13·8	
	24 20	W. H.	75 05·0	75 33·6	75 24·3	75 02·3	75 03·0	75 24·7	75 36·4	74 55·7	75 15·6	
	25 4	W. H.	75 03·8	75 32·8	75 25·2	75 03·2	74 58·2	75 25·4	75 35·8	74 55·6	75 14·9	
	27 20	T. M	74 55·0	75 44·6	75 23·1	74 53·0	75 02·7	75 27·3	75 31·0	74 50·1	75 13·3	
	28 4	T. M.	74 52·6	75 41·2	75 29·2	74 49·4	75 04·8	75 27·6	75 31·4	74 52·7	75 13·6	
March.	3 20	J. W.	74 51·2	75 42·8	75 24·5	74 48·0	75 03·0	75 28·2	75 31·2	74 48·8	75 12·2	
	4 4	J. W.	74 55·8	75 41·2	75 29·4	74 45·9	75 03·0	75 30·8	75 32·5	74 55·3	75 14·2	
	6 20	J. J.	74 58·4	75 40·2	75 25·7	74 41·7	75 04·0	75 30·8	75 31·3	74 49·4	75 12·7	
	7 4	J. J.	74 58·0	75 39·3	75 25·2	74 41·1	75 04·8	75 30·0	75 32·4	74 57·6	75 13·5	
	10 20	W. G.	74 57·0	75 42·5	75 29·5	74 46·2	75 03·9	75 29·6	75 31·4	75 00·2	75 15·0	
	11 4	W. G.	75 01·9	75 42·2	75 31·6	74 42·5	74 59·3	75 36·6	75 28·9	74 59·5	75 15·3	
	13 20	W. H.	74 58·4	75 39·5	75 24·7	74 39·5	75 06·7	75 32·8	75 34·7	74 58·1	75 14·3	
	14 4	W. H.	74 58·5	75 37·9	75 26·4	74 39·5	75 07·1	75 32·7	75 35·8	74 55·7	75 14·2	
	17 20	T. M.	74 52·0	75 39·4	75 26·2	74 42·2	75 02·2	75 30·2	75 33·0	74 59·4	75 13·0	75 13·8
	18 4	T. M.	74 56·4	75 39·6	75 30·0	74 41·4	75 02·4	75 33·9	75 31·8	74 57·6	75 14·1	
	20 20	J. W.	74 54·2	75 41·8	75 25·0	74 49·2	75 02·4	75 31·3	75 30·6	74 57·2	75 13·9	
	21 4	J. W.	74 53·8	75 41·5	75 20·4	74 46·8	75 03·8	75 32·4	75 30·2	75 00·0	75 13·6	
	24 20	J. J.	74 54·3	75 42·0	75 25·4	74 47·6	75 05·3	75 31·2	75 30·6	74 58·0	75 14·3	
	25 4	J. J	74 54·4	75 41·4	75 27·0	74 47·8	75 04·3	75 31·0	75 30·6	74 57·7	75 14·2	
	27 20	W. G.	74 55·6	75 48·7	75 25·4	74 45·1	75 08·0	75 27·1	75 30·1	74 56·6	75 14·5	
	28 4	W. G.	74 53·2	75 39·3	75 25·4	74 40·6	75 05·1	75 29·7	75 30·0	74 57·2	75 12·5	

[a] Gambey's Circle with Needle G 1 taken into use.

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Robinson, No. 1."

Toronto Astron. Time.		Initials of Observers.	Poles Direct. Face of Needle. Direct.		Poles Direct. Face of Needle. Reversed.		Poles Reversed. Face of Needle. Direct.		Poles Reversed. Face of Needle. Reversed.		Inclination.	Monthly Means.
			a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
1846.												
D. H.			° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
Mar. 31	20	W. H.	75 33·4	75 00·7	74 55·0	75 32·0	76 02·8	74 24·8	75 02·0	75 23·6	75 14·3	
April. 1	4[a]	W. H.	75 34·6	74 59·5	74 58·1	75 29·5	75 34·4	74 55·8	75 03·2	75 32·8	75 15·9	
3	20	T. M.	75 30·8	75 09·3	75 16·3	75 12·7	75 10·9	75 12·6	75 21 0	74 56·4	75 13·7	
4	4	T. M.	75 27·8	75 08·3	75 21·1	75 00·2	75 03·8	75 21·2	75 11·3	75 20·4	75 14·2	
7	20	J. W.	75 10·8	75 13·6	75 16·8	75 10·2	74 57·8	75 28·2	75 11·6	75 18·0	75 13·3	
8	4	J. W.	75 18·8	75 11·2	75 28·0	74 58·8	74 59·6	75 30·0	75 10·4	75 18·4	75 14·4	
10	20	W. H.	75 14·2	75 12·8	75 25·1	75 06·4	75 01·3	75 25·9	75 13·9	75 17·4	75 14·6	
11	4	W. H.	75 15·5	75 14·1	75 23·9	75 08 2	74 59·3	75 27·1	75 14·4	75 16·8	75 14·9	
14	20	T. M.	75 13·4	75 15·2	75 20·2	75 04·0	75 02·0	75 37·1	75 09·8	75 01·8	75 13·0	
15	4	T. M.	75 13·0	75 20·0	75 14·4	75 03·6	75 01·4	75 24·5	75 16·7	75 17·2	75 13·8	>75 14·3
17	20	J. W.	75 20·0	75 12·0	75 34·4	75 02·4	75 00·8	75 22·4	75 18·2	75 09·0	75 14·9	
18	4	J. W.	75 18 8	75 12·4	75 30·4	75 09·8	75 00·2	75 21·6	75 19·2	75 10·4	75 15·3	
21	20	J. J.	75 19·4	75 12·0	75 31·2	75 07·0	75 00·8	75 21·5	75 18·8	75 10·4	75 15·1	
22	4	J. J.	75 20·7	75 10·8	75 32·4	75 07·0	75 00·4	75 20·0	75 20·8	75 09·8	75 15·2	
24	20	W. G.	75 21·6	75 01·6	75 29·5	75 03·0	75 06·6	75 17·8	75 05·2	75 09·4	75 12·2	
25	4	W. G.	75 10·4	75 10·5	75 23·2	75 10·7	75 00·8	75 19·3	75 10·6	75 12·5	75 12·2	
28	20	W. H.	75 19·8	75 11·9	75 29·5	75 08·3	75 02·5	75 23·0	75 18·9	75 09·2	75 15·4	
29	4	W. H.	75 21·1	75 08·3	75 28·0	75 10·1	75 03·3	75 22·2	75 18·2	75 08 5	75 15·0	
May. 1	20	T. M.	75 11·6	75 11·8	75 19·6	75 11·6	74 58·8	75 27·8	75 14·7	75 17·5	75 14·1	
2	4	T. M.	75 16·2	75 11·0	75 17·6	75 17·3	75 05·9	75 23·0	75 10·7	75 06·5	75 13·5	
5	20	J. W.	75 17·6	75 07·6	75 28·4	75 04·0	74 59·2	75 31·8	75 14·8	75 14·8	75 14·7	
6	4	J. W.	75 20·6	75 07·9	75 28·4	75 02·3	74 59·6	75 29·2	75 15·5	75 13·2	75 14·6	
8	20	J. J.	75 17·2	75 09·6	75 25·1	75 07·8	74 54·8	75 34·2	75 19·6	75 13·8	75 15·2	
9	4	J. J.	75 14·0	75 13·1	75 25.2	75 08·2	75 00·6	75 25·6	75 21·4	75 14·2	75 15·3	
12	20	W. G.	75 10·7	75 13·1	75 27·3	75 16·5	75 10·7	75 23·3	75 12·8	75 11·5	75 15·7	
13	4	W. G.	75 12·1	75 15·9	75 19·5	75 11·4	75 10·8	75 14·9	75 15·5	75 14·6	75 14·3	
15	20	W. H.	75 16·5	75 09·1	75 27·8	75 06·3	74 56·8	75 35·7	75 16·2	75 13·4	75 15·2	>75 14·4
16	4	W. H.	75 14·8	75 10·6	75 27·9	75 01·4	74 58·8	75 34·0	75 14·3	75 15·7	75 15·3	
19	20	T. M.	75 10·0	75 16·3	75 24·2	75 02·0	75 04·4	75 20·5	74 57·7	75 30·8	75 13·2	
20	4	T. M.	75 10·7	75 08·9	75 19·2	75 08·0	75 19·2	75 21·1	75 12·8	75 09·8	75 13·7	
22	20	J. W.	75 14·8	75 18·3	75 25·4	75 08·3	74 56·6	75 14·2	75 24·3	75 16·4	75 14·8	
23	4	J. W.	75 16·6	75 11·5	75 18·2	75 09·4	74 59·2	75 08·2	75 25·6	75 10·4	75 12·3	
26	20	J. J.	75 21·0	75 04·6	75 24·8	75 09·6	75 07·2	75 24·0	75 14·6	75 18·7	75 15·5	
27	4	J. J.	75 16·5	75 12·8	75 05·8	75 25·2	75 05·4	75 31·9	75 19·2	75 13·2	75 15·6	
29	20	W. G.	75 03·5	75 23·5	75 12·9	75 14·2	75 14·2	75 16·1	75 06·0	75 15·7	75 13·2	
30	4	W. G.	75 14·1	75 13·8	75 13·0	75 14·0	75 15·3	75 13·7	75 16·6	75 10·5	75 13·8	
June. 2	20	W. H.	75 12·9	75 15·2	75 30·9	75 13·6	75 15·5	75 09·8	75 09·6	75 14·9	75 15·3	
3	4	W. H.	75 11·0	75 15·8	75 29·0	75 13·5	75 13·8	75 11·8	75 08·6	75 13·6	75 14·6	
5	20	T. M.	75 18·7	75 05·7	75 27·7	75·00·0	75 04·1	75 19·3	75 17·4	75 20·3	75 14·1	
6	4	T. M.	75 10·0	75 09·8	75 27·7	75 10·2	75 03·0	75 18·0	75 19·2	75 18·7	75 14·5	
9	20	J. W.	75 10·4	75 21·8	75 02·4	75 22·4	74 56·6	75 34·3	75 12·9	75 30·8	75 16·4	
10	4	J. W.	74 58·4	75 25·4	75 03·0	75 23·1	74 53·2	75 33·4	75 16·0	75 26·7	75 14·9	
12	20	J. J.	75 17·9	75 12·8	75 28·2	75 21·2	75 09·6	75 11·5	75 16·6	75 14·6	75 16·5	
13	4	J. J.	75 18·8	75 12·4	75 25·2	75 21·2	75 09·6	75 22·1	75 09·1	75 10·8	75 16·4	>75 14·8
16	20	T. M.	75 10·9	75 18·0	75 20·5	75 02·4	74 55·4	75 30·1	75 11·1	75 20·2	75 13·5	
17	4	T. M.	75 00·0	75 24·5	75 02·7	75 19·2	74 54·2	75 31·8	75 15·5	75 26·0	75 14·1	
19	20	W. H.	75 13·0	75 14·5	75 20·0	75 10·2	75 00·4	75 22·7	75 16·2	75 17·7	75 14·3	
20	4	W. H.	75 12·7	75 14 6	75 22·1	75 12·8	75 00·9	75 22·3	75 15·8	75 16·7	75 14·7	
23	20	T. M.	75 12·9	75 15·1	75 28·0	75 15·0	75 10·0	75 18·2	75 11·8	75 12·0	75 15·3	
24	4	T. M.	75 18·4	75 10·0	75 20·0	75 14·0	75 08·8	75 21·2	75 12·3	75 13·6	75 14·8	
26	20	J. W.	75 14·1	75 10·8	75 28·8	75 07·3	75 00·0	75 24·5	75 15·4	75 12·7	75 14·1	
27	4	J. W.	75 14·7	75 15·1	75 29·2	75 03·5	75 58·8	75 23 6	75 13·2	75 12·2	75 13·8	

[a] "Robinson, No. 1," (New) taken into use.

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Robinson, No. 1."

Toronto Astron. Time.		Initials of Observers.	Poles Direct. Face of Needle. Direct.		Poles Direct. Face of Needle. Reversed.		Poles Reversed. Face of Needle. Direct.		Poles Reversed. Face of Needle. Reversed.		Inclination.	Monthly Means.
			a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
1846. D. H.			° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
June 30	20	J. J.	75 14·6	75 02·2	75 32·8	75 00·6	74 59·2	75 26·8	75 15·2	75 14·4	75 14·0	
July. 1	4	J. J.	75 28·8	75 09·1	75 28·2	74 49·2	74 31·7	75 40·1	75 10·1	75 32·1	75 13·7	
3	20	W. G.	75 14·8	75 07·0	75 22·6	75 06·0	75 11·8	75 15·9	75 13·2	75 15·7	75 13·4	
4	4	W. G.	75 11·6	75 10·4	75 18·3	75 14·4	75 09·1	75 17·5	75 15·4	75 13·0	75 13·7	
7	20	J. W.	75 15·9	75 10·9	75 29·9	75 01·3	75 00·2	75 23·2	75 19·2	75 12·0	75 14·1	
8	4	J. W.	75 09·6	75 16·7	75 20·9	75 09·8	74 58·2	75 22·4	75 16·4	75 13·2	75 13·3	
10	20	J. W.	75 15·2	75 13·6	75 29·6	75 05·8	74 57·8	75 28·6	75 13·6	75 11·6	75 14·4	
11	4	J. W.	75 12·5	75 15·1	75 32·0	75 07·4	74 57·8	75 23·8	75 17·4	75 08·8	75 14·3	
14	20	J. W.	75 13·0	75 11·8	75 27·8	75 02·0	74 57·8	75 28·8	75 17·0	75 12·2	75 13·8	
15	4	J. W.	75 14·1	75 16·2	75 31·6	75 00·8	74 58·8	75 25·4	75 14·8	75 12·3	75 14·2	>75 14·0
17	20	J. J.	75 08·2	75 20·2	75 11·4	75 21·6	75 01·6	75 28·8	75 17·6	75 17·0	75 15·7	
18	4	J. J.	75 07·2	75 14·2	75 29·2	75 13·2	74 59·1	75 20·4	75 20·6	75 22·6	75 15·8	
21	20	T. M.	75 10·0	75 19·4	75 16·0	75 06·1	74 59·3	75 26·6	75 19·0	75 06·3	75 12·8	
22	4	T. M.	75 00·1	75 21·0	75 11·4	75 15·2	74 59·6	75 23·4	75 13·2	75 13·2	75 12·1	
24	20	J. W.	75 12·4	75 21·8	75 19·2	75 03·6	74 58·0	75 28·8	75 19·8	75 14·2	75 14·7	
25	4	J. W.	75 10·8	75 22·0	75 21·8	75 04·8	74 57·8	75 26·6	75 16·5	75 17·3	75 14·7	
28	20	T. M.	75 10·4	75 14·0	75 25·9	75 07·1	75 00·0	75 27·2	75 16·8	75 12·0	75 14·2	
29	11	T. M.	75 10·0	75 15·0	75 26·4	75 08·4	74 54·2	75 31·4	75 08·3	75 15·3	75 13·6	
July 31	20	J. W.	74 59·6	75 18·6	75 28·8	75 08·8	74 57·6	75 28·0	75 18·8	75 12·8	75 14·1	
August. 1	4	J. W.	75 07·8	75 10·6	75 32·2	75 05·0	74 56·2	75 27·4	75 22·6	75 12·9	75 14·3	
4	20	J. J.	75 14·5	75 10·2	75 22·5	75 03·2	74 55·2	75 23·8	75 23·8	75 13·8	75 13·4	
5	4	J. J.	75 10·4	75 17·8	75 21·6	75 01·9	75 01·9	75 23·4	75 21·8	75 12·9	75 13·9	
7	20	T. M.	75 10·2	75 17·3	75 23·0	75 04·7	74 44·2	75 25·2	75 19·2	75 19·3	75 12 9	
8	4	J. L.	75 05·7	75 30·3	75 19·8	75 01·2	74 49·6	75 20·6	75 12·6	75 12·4	75 11·5	
11	20	W. H.	75 14·7	75 16·3	75 13·5	75 15·0	75 01·0	75 12·9	75 13·4	75 31·7	75·14·3	
12	4	W. H.	75 14·1	75 15·9	75 13·8	75 15·2	75 01·2	75 16·7	75 13·3	75 32·9	75 15·3	
14	20	T. M.	75 06·9	75 28·4	75 10·6	75 03·2	75 00·0	75 18·4	75 19·5	75 13·4	75 12·5	
15	4	T. M.	75 09·7	75 28·8	75 20·6	74 59·0	74 53·0	75 25·5	75 20·6	75 14·6	75 13·9	>75 14·4
18	20	J. W.	75 12·5	75 18·2	75 29·2	75 14·6	75 01·2	75 27·2	75 18·0	75 09·6	75 16·3	
19	4	J. W.	75 00·8	75 32·6	75 21·7	75 13·8	74 53·4	75 23·8	75 22·4	75 11·2	75 14·9	
21	20	J. J.	75 06·6	75 27·0	75 03·6	75 23·8	74 47·0	75 47·4	75 08·0	75 23·2	75 15·8	
22	4	J. J.	75 08·0	75 25·1	75 22·4	74 59·8	74 53·8	75 33·4	74 53·3	75 29·6	75 13·2	
25	20	J. L.	75 11·1	75 24·8	75 23·8	75 13·1	75 03·3	75 24·7	75 12·6	75 23·6	75 17·1	
26	4	J. L.	75 16·8	75 12·2	75 14·0	75 26·8	75 05·3	75 26·6	75 02·5	75 16·3	75 15·0	
28	20	W. H.	75 15·3	75 16·9	75 08·0	75 21·2	75 05·5	75 26·6	75 10·5	75 18·7	75 15·3	
29	4	W. H.	75 17·1	75 16·6	75 09·2	75 21·5	75 03·7	75 25·2	75 10·6	75 21·2	75 15·6	
September. 1	20	T. M.	75 20·0	75 15·6	75 03·2	75 12·4	74 56·9	75 25·4	75 14·9	75 16·0	75 13·0	
2	4	T. M.	75 17·6	75 18·0	75 05·6	75 14·1	74 58·0	75 23·0	75 15·9	75 14·4	75 13·3	
4	20	J. W.	75 22·1	75 09·4	75 27·0	75 00·6	75 00·2	75 30·2	75 17·0	75 16·0	75 15·3	
5	4	J. W.	75 18·6	75 15·5	75 28·1	75 57·8	74 58·8	75 29·8	75 18·4	75 19·8	75 15·8	
8	20	J. J.	75 18·8	75 11·5	75 24·3	75 05·6	75 00·4	75 27·0	75 16·0	75 18·0	75 15·2	
9	4	J. J.	75 17·2	75 15·4	75 22·6	75 05·2	74 57·8	75 24·8	75 14·0	75 22·6	75 15·0	
11	20	J. L.	75 18·4	75 20·6	75 14·4	75 21·9	75 16·2	75 31·6	75 12·8	75 36·1	75 19·6	
12	4	J. L.	75 18·1	75 11·9	75 09·7	75 07·7	74 49·7	75 43·9	74 43·4	75 43·8	75 13·5	
15	20	W. H.	75 42·7	74 49·3	75 25·1	75 04·5	75 01·5	75 30·7	75 14·5	75 14·6	75 15·3	>75 15·7
	4	W. H.	75 39·7	74 52·7	75 24·2	75 05·3	75 00·4	75 30·6	75 15·6	75 14·4	75 15·3	
	20	T. M.	75 14·7	75 20·4	75 20·2	75 09·0	75 58·8	75 19·7	75 15·7	75 19·4	75 14·7	
	4	T. M.	75 18·0	75 09·2	75 24·4	75 01·8	74 59·2	75 27·8	75 15·0	75 20·0	75 14·4	
26	20	J. W.	74 57·6	75 28·3	75 22·4	75 09·2	75 00·8	75 31·8	75 21·8	75 17·8	75 16·2	
	4	J. W.	75 20·0	75 16·2	75 27·8	75 00·2	74 57·4	75 23·6	75 20·6	75 19·6	75 15·6	
2.	20	J. J.	75 19·0	75 16·4	75 15·5	75 11·2	74 55·1	75 37·2	75 16·5	75 18·4	75 16·2	
26	4	J. J.	75 17·4	75 17·9	75 24·0	75 06·6	74 57·4	75 34·4	75 14·6	75 19·2	75 16 4	
29	20	J. L.	75 12·1	75 14·3	75 17·5	75 10·2	75 20·1	75 22·9	75 16·2	75 20·7	75 16·9	
30	4	J. L.	75 20·9	75 22·9	75 17·8	75 16·9	75 14·6	75 32·6	75 17·3	75 22·3	75 20·6	

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Robinson, No. 1."

	Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct.		Poles Direct. Face of Needle. Reversed.		Poles Reversed. Face of Needle. Direct.		Poles Reversed. Face of Needle. Reversed.		Inclination.	Monthly Means.
			a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
	1846. D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
October.	2 20	W. H.	75 12·4	75 24·1	75 13·8	75 12·3	74 58·7	75 33·4	75 14·4	75 15·3	75 15·5	
	3 4	W. H.	75 13·3	75 25·0	75 13·7	75 12·6	74 59·5	75 29·3	75 13·4	75 13·4	75 15·0	
	6 20	T. M.	75 14·0	75 22·8	75 17·6	75 08·0	74 57·7	75 30·4	75 22·6	75 12·0	75 15·6	
	7 4	J. J.	75 17·6	75 15·6	75 24·3	75 06·2	74 56·4	75 31·1	75 19·0	75 19·1	75 16·1	
	9 20	J. L.	75 11·6	75 22·9	75 14·2	75 13·8	75 04·8	75 29·7	75 12·5	75 32·3	75 17·7	
	10 4	J. L.	75 12·6	75 19·8	75 16·2	75 10·6	75 00·5	75 32·4	75 09·0	75 26·3	75 15·9	
	13 20	J. J.	75 14·4	75 17·0	75 21·8	75 07·4	74 56·2	75 30·6	75 21·0	75 14·8	75 18·4	
	14 4	J. J.	75 14·0	75 19·6	75 24·0	74 58·4	74 58·0	75 31·1	75 16·8	75 15·8	75 ..·7	
	16 20	J. L.	75 13·0	75 22·1	75 09·3	75 08·7	75 03·0	75 36·2	75 16·7	75 14·8	75 15·5	75 15·4
	17 4	J. L.	75 09·8	75 20·5	75 09·9	75 11·2	74 57·6	75 32·1	75 16·4	75 17·4	75 14·4	
	20 20	W. H.	75 11·9	75 19·6	75 17·7	75 11·8	74 55·5	75 32·6	75 15·8	75 13·8	75 14·8	
	21 4	W. H.	75 12·8	75 16·9	75 18·4	75 11·9	74 59·6	75 32·5	75 14·9	75 16·3	75 15·4	
	23 20	T. M.	75 07·6	75 15·0	75 20·0	75 10·2	75 15·7	75 10·0	75 15·0	75 21·5	75 14·4	
	24 4	T. M.	75 13·3	75 06·4	75 09·0	75 26·5	75 13·0	75 14·0	75 17·0	75 12·4	75 14·0	
	27 20	J. W.	75 21·0	75 06·1	75 03·9	75 27·0	75 23·4	75 20·4	75 13·0	75 16·5	75 16·4	
	28 4	J. W.	75 21·6	75 07·9	75 05·0	75 20·8	75 18·4	75 23·9	75 19·2	75 10·9	75 16·0	
	30 20	J. J.	75 25·3	75 12·0	75 09·2	75 15·4	75 14·8	75 15·6	75 14·6	75 14·1	75 15·2	
	31 4	J. J.	75 20·0	75 05·4	75 12·6	75 17·2	75 14·0	75 19·6	75 20·0	75 14·0	75 15·3	
November.	3 20	J. L.	75 09·8	75 16·8	75 08·2	75 24·4	75 13·4	75 19·8	75 16·5	75 13·0	75 15·2	
	4 4	J. L.	75 09·4	75 19·2	75 08·5	75 20·8	75 16·6	75 17·1	75 15·2	75 08·5	75 14·4	
	6 20	W. H.	75 07·9	75 26·9	75 10·2	75 16·2	75 04·7	75 26·6	75 12·9	75 16·3	75 15·2	
	7 4	W. H.	75 05·4	75 29·0	75 07·3	75 15·2	75 02·8	75 26·8	75 13·5	75 15·9	75 14·6	
	10 20	T. M.	75 12·2	75 04·0	75 04·9	75 25·0	75 09·8	75 26·8	75 15·1	75 15·4	75 14·1	
	11 4	T. M.	75 16·0	75 15·6	75 17·4	75 09·4	75 09·4	75 15·4	75 14·6	75 20·4	75 14·7	
	13 20	J. W.	75 07·4	75 17·8	75 20·4	75 13·8	75 10·0	75 17·2	75 23·8	75 11·2	75 15·1	
	14 4	J. W.	75 11·6	75 14·7	75 31·1	75 05·2	75 11·2	75 19·6	75 26·2	75 07·6	75 15·8	75 15·0
	17 20	J. J.	75 19·2	75 12·9	75 31·0	75 01·2	74 58·6	75 30·2	75 24·4	75 11·6	75 16·1	
	18 4	J. J.	75 19·8	75 20·6	75 11·2	75 04·6	74 58·0	75 30·6	75 24·6	75 10·4	75 15·0	
	20 20	J. J.	75 15·0	75 16·8	75 28·6	75 00·8	74 58·0	75 33·2	75 14·8	75 15·0	75 15·3	
	21 4	J. L.	75 14·2	75 21·8	75 27·4	75 05·2	74 54·6	75 30·3	75 14·8	75 19·5	75 16·0	
	24 20	J. W.	75 08·0	75 28·8	75 06·2	75 16·9	75 05·2	75 26·5	75 06·6	75 14·3	75 14·1	
	25 4	W. H.	75 06·0	75 26·9	75 11·6	75 15·6	75 03·5	75 25·6	75 12·9	75 15·6	75 14·7	
	27 20	T. M.	75 04·4	75 22·2	75 10·7	75 16·7	75 19·6	75 31·6	75 04·0	75 14·4	75 15·4	
	28 4	T. M.	75 06·8	75 18·0	75 12·0	75 10·4	75 05·0	75 29·7	75 23·2	75 12·4	75 14·9	
December.	1 20	J. W.	75 12·6	75 15·3	75 21·7	75 09·8	75 59·2	75 28·4	75 10·0	75 21·9	75 14·8	
	2 4	J. W.	75 08·8	75 15·2	75 24·0	75 10·7	74 58·8	75 32·3	75 18·4	75 13·4	75 15·2	
	4 20	J. J.	75 16·5	75 12·0	75 29·0	75 04·0	74 59·4	75 30·0	75 25·5	75 09·2	75 15·7	
	5 4	J. J.	75 12·8	75 18·4	75 24·0	75 07·4	74 59·4	75 30·2	75 25·4	75 07·5	75 15·6	
	8 20	J. L.	75 13·0	75 11·0	75 29·6	75 05·2	75 00·0	75 30·2	75 19·2	75 17·4	75 15·7	
	9 4	J. L.	75 09·2	75 13·6	75 22·2	75 06·8	75 04·4	75 27·6	75 20·2	75 16·0	75 15·0	
	11 20	W. H.	74 59·5	75 29·2	75 13·9	75 16·3	75 05·4	75 27·0	75 05·4	75 24·9	75 15·2	
	12 4	W. H.	75 12·1	75 12·4	75 26·0	75 10·0	75 05·0	75 22·2	75 11·5	75 20·5	75 15·0	
	15 20	T. M.	75 06·9	75 11·8	75 20·0	75 18·0	75 00·0	75 30·0	75 15·9	75 13·8	75 14·5	75 15·1
	16 4	W. H.	75 08·1	75 10·8	75 17·3	75 20·0	75 00·0	75 31·6	75 18·3	75 12·4	75 14·8	
	18 20	J. W.	75 12·3	75 18·6	75 26·0	75 03·3	74 59·8	75 27·7	75 18·3	75 13·3	75 14·9	
	19 4	J. W.	75 10·8	75 16·4	75 26·0	75 05·3	74 59·0	75 31·4	75 19·6	75 15·8	75 15·5	
	22 20	J. J.	75 17·1	75 14·8	75 20·6	75 09·6	74 58·8	75 28·8	75 19·7	75 10·8	75 15·0	
	23 4	J. J.	75 18·9	75 17·8	75 15·5	75 07·8	75 00·0	75 32·4	75 19·6	75 08·0	75 15·0	
	25 20	T. M.	75 11·6	75 19·8	75 18·6	75 10·0	75 05·6	75 29·8	75 10·4	75 13·4	75 14·9	
	26 4	T. M.	75 11·2	75 17·2	75 21·0	75 06·4	75 00·0	75 32·6	75 10·7	75 16·4	75 14·4	
	29 20	J. W.	75 10·2	75 17·9	75 23·3	75 07·2	75 07·7	75 30·5	75 13·7	75 12·3	75 15·3	
	30 4	J. W.	75 08·4	75 15·4	75 23·9	75 05·5	75 01·0	75 32·3	75 18·0	75 14·0	75 14·8	

Observations of Inclinati . continued from Vol. 1, *p.* 332; *Needle employed "Robinson, No.* 1."

Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Poles Direct. Face of Needle. Direct. a'	Poles Direct. Face of Needle. Reversed. a''	Poles Direct. Face of Needle. Reversed. a'''	Poles Reversed. Face of Needle. Direct. b	Poles Reversed. Face of Needle. Direct. b'	Poles Reversed. Face of Needle. Reversed. b''	Poles Reversed. Face of Needle. Reversed. b'''	Inclination.	Monthly Means.
1847.											
D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
January. 1 20	J. J.	75 13·1	75 18·3	75 19·8	75 09·2	75 00·2	75 27·4	75 24·6	75 11·8	75 15·4	
2 4	J. J.	75 10·9	75 14·5	75 22·3	75 14·7	75 00·3	75 26·9	75 23·4	75 11·8	75 15·6	
5 20	J. L.	75 10·6	75 15·4	75 23·8	75 10·2	75 02·8	75 29·7	75 16·4	75 16·4	75 15·6	
6 4	J. L.	75 09·0	75 15·8	75 21·4	75 16·4	74 59·6	75 28·8	75 13·7	75 15·0	75 15·0	
8 20	W. H.	75 00·9	75 26·7	75 15·8	75 16·4	75 02·9	75 26·3	75 27·5	75 03·1	75 14·9	
9 4	W. H.	75 04·0	75 26·3	75 16·1	75 15·6	75 06·0	75 23·5	75 27·2	75 03·6	75 15·3	
12 20	T. M.	75 10·0	75 18·0	75 20·2	75 11·2	75 02·7	75 25·9	75 14·6	75 14·6	75 14·6	
13 4	T. M.	75 10·0	75 17·2	75 21·6	75 08·9	74 59·2	75 28·8	75 17·2	75 14·0	75 14·6	
15 20	J. W.	75 09·7	75 15·5	75 24·2	75 04·7	75 05·9	75 30·5	75 22·4	75 12·3	75 15·6	
16 4	J. W.	75 09·4	75 15·1	75 23·7	75 01·6	75 05·8	75 30·7	75 21·3	75 13·8	75 15·1	75 15·0
19 20	J. J.	75 19·2	75 13·0	75 15·5	75 09·4	75 00·6	75 27·1	75 19·3	75 08·6	75 14·1	
20 4	J. J.	75 15·6	75 20·6	75 19·4	75 05·6	75 00·0	75 26·1	75 21·2	75 08·8	75 14·6	
22 20	J. L.	75 15·2	75 11·8	75 21·0	75 08·0	75 04·4	75 28·2	75 14·8	75 14·4	75 14·8	
23 4	J. L.	75 11·6	75 20·6	75 23·1	75 02·9	75 03·1	75 25·2	75 15·7	75 14·6	75 14·9	
26 20	W. H.	75 02·3	75 25·7	75 14·0	75 15·2	75 00·0	75 26·1	75 06·3	75 27·4	75 14·6	
27 4	W. H	75 09·4	75 21·1	75 18·2	75 08·4	75 00·9	75 29·3	75 10·6	75 23·5	75 15·2	
29 20	T. M	75 15·6	75 15·0	75 24·2	75 05·2	75 06·4	75 24·6	75 15·0	75 14·4	75 15·0	
30 4	T. [illegible]	75 15·7	75 18·0	75 18·4	75 00·8	75 00·0	75 31·4	75 18·6	75 10·4	75 14·1	
February. 2 20	J. W.	75 15·3	75 09·6	75 32·3	75 00·6	75 00·9	75 27·2	75 19·6	75 15·5	75 15·1	
3 4	J. W.	75 11·0	75 16·1	75 30·3	75 02·3	75 00·4	75 32·0	75 20·9	75 18·0	75 16·3	
5 20	J. J.	75 10·6	75 16·7	75 17·4	75 15·0	74 59·6	75 25·6	75 20·0	75 14·8	75 15·0	
6 4	J. J.	75 10·2	75 18·1	75 22·8	75 08·2	74 59·6	75 28·9	75 19·4	75 12·9	75 15·0	
9 20	J. L.	75 11·4	75 13·0	75 23·9	75 07·2	75 04·0	75 26·7	75 18·8	75 18·4	75 15·4	
10 4	J. L.	75 09·6	75 19·4	75 18·7	75 09·2	75 00·8	75 25·7	75 20·4	75 15·2	75 14·9	
12 20	W. H.	75 02·5	75 14·7	75 24·4	75 17·0	75 00·2	75 29·2	75 10·3	75 20·4	75 14·8	
13 4	W. H.	75 02·2	75 16·2	75 18·6	75 19·2	75 00·7	75 34·2	75 15·3	75 16·8	75 15·3	75 15·2
16 20	T. M.	75 10·2	75 16·2	75 25·8	75 05·4	75 01·4	75 30·8	75 13·6	75 13·6	75 14·6	
17 4	T. M.	75 01·6	75 22·6	75 24 0	75 11·6	75 00·4	75 33·1	75 17·2	75 13·0	75 15·4	
19 20	J. W.	75 09·4	75 16·1	75 25·0	75 09·6	75 03·6	75 26·8	75 24·0	75 11·9	75 15·8	
20 4	J. W.	75 07·6	75 16·6	75 21·0	75 05·6	75 04·7	75 29·4	75 23·3	75 13·6	75 15·2	
23 20	J. J.	75 13·3	75 18·3	75 18·8	75 09·5	74 59·2	75 24·2	75 16·8	75 17·8	75 14·8	
24 4	J. J.	75 09·6	75 21·2	75 16·9	75 05·6	74 59·7	75 40·7	75 13·6	75 12·3	75 15·0	
26 20	J. L.	75 07·6	75 18·4	75 28·2	75 07·8	75 04·2	75 28·3	75 18·5	75 12e8	75 15·7	
27 4	J. L.	75 05·2	75 19·4	75 17·3	75 09·0	75 00·8	75 34·1	75 19·4	75 16·8	75 15·2	
March. 2 20	W. H.	75 00·4	75 29·5	75 21·7	75 12·1	75 01·8	75 31·0	75 10·3	75 17·8	75 15·5	
3 4	W. H.	75 01·6	75 29·0	75 22·3	75 09·8	75 01·8	75 32·6	75 10·4	75 18·5	75 15·7	
5 20	T. M.	75 05·0	75 13·9	75 22·4	75 13·8	75 00·2	75 33·4	75 21·0	75 13·0	75 15·3	
6 4	T. M.	75 04·2	75 13·1	75 21·6	75 14·1	75 04·0	75 31·8	75 20·6	75 10·0	75 14·9	
9 20	J. W	75 10·2	75 15·0	75 28·7	75 01·8	75 01·2	75 31·2	75 21·3	75 15·9	75 15·6	
10 4	J. W.	75 11·8	75 13·1	75 30·4	74 59·4	74 59·8	75 29·8	75 20·4	75 18·2	75 15·3	
12 20	J. J.	75 11·9	75 15·1	75 29·0	75 00·9	75 01·2	75 37·3	75 20·7	75 13·4	75 16·1	
13 4	J. J.	75 09·8	75 20·1	75 24·4	75 01·1	75 00·0	75 33·3	75 16·7	75 21·2	75 15·8	
16 20	J. L.	75 12·0	75 13·9	75 29·0	75 02·3	75 08·4	75 33·2	75 18·4	75 12·2	75 16·1	75 16·3
17 4	J. L.	75 10·3	75 00·6	75 27·4	74 51·6	75 00·4	75 31·0	75 21·2	75 17·7	75 12·5	
19 20	W. H.	75 01·0	75 14·6	75 30·5	75 12·8	75 16·7	75 33·7	75 22·3	75 35·2	75 20·8	
20 4	W. H.	75 00·1	75 11·6	75 31·9	75 15·4	74 59·8	75 45·3	74 47·1	75 29·9	75 15·1	
23 20	T. M.	75 05·0	75 00·6	75 19·0	74 48·8	75 29·0	76 02·6	75 21·2	75 27·2	75 19·1	
24 4	T. M.	75 02·7	75 03·6	75 17·0	74 49·8	75 08·0	75 54·0	75 29·8	75 48·2	75 19·1	
26 20	J. H. L.	75 06·2	74 58·2	75 25·7	74 36·6	75 10·7	76 09·8	75 25·3	75 34·7	75 18·4	
27 4	J. W.	74 58·8	74 59·7	75 17·3	74 39·5	75 04·4	76 04·4	75 25·8	75 27·5	75 14·6	
30 20	W. H.	74 56·3	75 04·0	75 14·8	75 11·0	74 58·2	76 07·5	75 17·5	75 27·5	75 17·1	
31 4	W. H.	74 53·1	75 03·7	75 13·3	75 12·9	75 01·7	76 07·2	75 15·1	75 28·7	75 16·9	

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Robinson, No. 1."

Toronto Astron. Time.		Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Direct. a′	Reversed. a″	Reversed. a‴	Poles Reversed. Face of Needle. Direct. b	Direct. b′	Reversed. b″	Reversed. b‴	Inclination.	Monthly Means.
1847.	D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
April.	2 20	J. J.	75 00·8	74 58·8	75 28·1	74 54·8	75 08·9	75 23·0	75 28·0	75 25·4	75 13·4	
	3 4	J. J.	75 06·3	75 14·2	75 05·6	74 50·6	75 09·2	75 33·2	75 25·5	75 28·6	75 14·1	
	6 20	J. L.	75 03·2	75 07·2	75 27·2	75 06·8	75 04·0	75 35·2	75 23·6	75 20·4	75 15·9	
	7 4	J. L.	74 57·0	75 16·9	75 19·4	74 59·2	75 08·5	75 36·4	75 22·0	75 16·0	75 14·4	
	9 20	W. H.	75 02·3	75 16·7	75 13·6	75 25·9	75 02·1	75 19·1	75 21·4	75 21·1	75 15·2	
	10 4	W. H.	75 02·7	75 17·3	75 15·2	75 25·8	75 02·2	75 23·5	75 19·8	75 19·5	75 15·7	
	13 20	T. M.	75 02·8	75 14·8	75 20·0	74 57·0	75 02·0	75 43·0	75 22·4	75 19·6	75 15·1	
	14 4	T. M.	75 02·0	75 12·0	75 20·5	74 57·8	75 00·6	75 43·8	75 26·0	75 20·0	75 16·4	>75 15·9
	16 20	J. W.	75 02·1	75 11·2	75 23·2	74 51·0	74 58·2	75 44·8	75 25·0	75 21·6	75 15·4	
	17 4	J. W.	75 03·7	75 12·5	75 30·8	74 50·4	74 56·1	74 46·3	75 23·7	75 23·4	75 15·8	
	20 20	T. M.	75 09·9	75 11·3	75 40·9	74 54·0	75 01·8	75 45·9	75 30·6	75 16·8	75 18·9	
	21 4	T. M.	75 09·3	75 11·9	75 43·4	74 55·0	75 13·6	75 24·2	75 29·0	75 10·8	75 17·1	
	23 20	J. W.	75 09·2	75 13·8	75 38·6	74 50·8	75 01 2	75 45·1	75 25·5	75 19·4	75 17·9	
	24 4	J. W.	75 08·6	75 11·0	75 33·3	74 48·8	74 56·3	75 48·4	75 23·0	75 21·5	75 16·3	
	27 20	J. J.	75 06·5	75 12·6	75 31·3	75 00·4	74 57·0	75 50·4	75 20·4	75 20·6	75 17·4	
	28 4	J. J.	75 05·8	75 11·6	75 30·7	74 52·2	74 56·1	75 50·2	75 20·0	75 19·8	75 15·8	
May.	Ap. 30 20	J. L.	75 05·0	75 15·8	75 26·5	74 57·4	75 01·6	75 40·8	75 20·4	75 22·6	75 15·7	
	1 4	J. L.	75 09·7	75 09·8	75 34·1	74 51·2	75 05·3	75 46·8	75 19·8	75 20·0	75 17·1	
	4 20	W. H.	75 07·0	75 18·1	75 25·9	75 04·5	75 00·7	75 41·1	75 12·5	75 19·1	75 16·1	
	5 4	W. H.	75 05·8	75 14·5	75 26·2	75 04·0	74 52·4	75 50·6	75 08·0	75 29·6	75 16·3	
	7 20	T. M.	75 07·6	75 15·8	75 30·5	75 06·4	74 53·4	75 32·4	75 20·0	75 14·8	75 15·1	
	8 4	T. M.	75 00·2	75 15·0	75 20·8	75 06·2	74 58·6	75 45·9	75 21·4	75 16·4	75 15·5	
	11 20	J. W.	75 09·0	75 11·8	75 34·7	74 51·6	75 04·1	75 45·0	75 28·5	75 11·1	75 17·0	
	12 4	J. W.	75 07·0	75 08·7	75 34·9	74 48·9	75 06·9	75 40·8	75 30·2	75 08·9	75 15·8	
	14 20	J. J.	75 06·0	75 11·6	75 32·2	74 53·6	74 58·0	75 45·8	75 27·5	75 13·3	75 16·0	>75 16·1
	15 4	J. J.	75 07·2	75 10·8	75 36·8	74 49·8	74 58·2	75 45·2	75 27·4	75 14·8	75 16·3	
	18 20	J. L.	75 06·6	75 12·0	75 25·8	74 59·2	74 57·2	75 41·2	75 22·8	75 16·2	75 15·1	
	19 4	J. L.	75 00·8	75 15·8	75 24·4	75 01·6	75 00·4	75 44·4	75 22·2	75 16·8	75 15·7	
	21 20	W. H.	75 05·9	75 17·0	75 24·2	74 58·2	75 02·8	75 45·9	75 19·2	75 20·1	75 15·5	
	22 4	W. H.	75 05·5	75 17·4	75 24·5	75 03·3	75 05·0	75 43·0	75 21·8	75 20·5	75 17·6	
	25 20	T. M.	74 59·2	75 10·8	75 07·8	75 12·2	75 14·2	75 40·7	75 27·4	75 27·2	75 17·4	
	26 4	T. M.	74 57·0	75 08·0	75 09·4	75 11·0	75 18·8	75 36·9	75 29·4	75 29·4	75 17·4	
	28 20	J. W.	75 03·2	75 09·4	75 23·2	75 09·8	75 17·8	75 19·6	74 59·4	75 38·4	75 15·1	
	29 4	J. W.	75 05·3	75 15·2	75 29·0	75 12·4	75 20·4	75 13·3	74 51·2	75 36·2	75 15·4	
June.	1 20	J. J.	75 25·4	74 37·8	75 31·6	75 04·0	75 14·2	75 20·2	74 58·6	75 38·9	75 13·9	
	2 4	J. J.	75 22·0	75 14·6	74 47·8	75 32·0	75 46·7	74 20·7	75 31·6	75 09·2	75 13·1	
	4 20	T. M.	75 43·9	74 28·4	75 14·6	75 07·8	75 23·4	75 15·0	74 53·8	75 36·6	75 12·9	
	5 4	T. M.	74 58·4	75 28·2	75 15·4	75 12·6	75 16·2	75 08·4	75 00·2	75 35·2	75 14·3	
	8 20	J. L.	75 37·2	74 37·8	75 29·4	75 09·8	75 23·6	75 12·4	74 53·2	75 28·8	75 14·0	
	9 4	J. L.	75 33·0	74 37·8	75 06·4	75 10·4	75 07·2	75 05·6	74 52·4	75 30·8	75 08·0	
	11 20	J. H. L.	75 26·7	74 50·8	75 15·5	75 15·1	75 06·7	75 15·8	74 50·6	75 22·6	75 10·5	
	12 4	J. J.	75 37·3	74 44·4	75 08·3	75 18·9	75 21·4	75 08·3	74 57·5	75 26·7	75 12·8	
	15 20	J. L.	75 31·2	74 41·2	75 10·6	75 17·0	75 19·2	75 16·8	74 49·2	75 34·4	75 12·4	>75 13·1
	16 4	J. L.	75 28·2	74 42·2	75 21·2	75 15·4	75 17·6	75 12·2	74 45·4	75 31·1	75 11·7	
	18 20	W. H.	75 27·0	74 43·2	75 09·9	75 19·3	75 23·9	75 21·8	74 48·9	75 30·4	75 13·0	
	19 4	W. H.	75 22·2	74 46·8	75 14·7	75 16·6	75 23·4	75 21·9	74 48·2	75 31·8	75 13·2	
	22 20	J. J.	75 25·6	74 45·0	75 16·2	75 17·1	75 25·4	75 20·6	75 00·4	75 25·6	75 14·5	
	23 4	J. J.	75 33·2	74 43·9	75 16·9	75 17·4	75 28·8	75 17·2	75 00·2	75 22·5	75 15·0	
	25 20	T. M.	75 34·2	74 40·9	75 10·4	75 17·9	75 31·6	75 10·4	75 01·8	75 21·4	75 13·5	
	26 4	T. M.	75 39·8	74 34·2	75 10·0	75 13·6	75 17·4	75 24·2	74 54·0	75 30·4	75 13·0	
	29 20	J. W.	75 22·4	74 55·2	75 06·5	75 00·8	75 27·5	75 06·8	75 23·3	75 30·6	75 14·1	
	30 4	J. W.	75 22·4	74 45·6	75 02·3	74 59·6	75 30·6	75 21·3	75 14·6	75 41·4	75 14·7	

Observations of Inclination continued from Vol. 1, p. 332; Needles employed "Robinson, No. 1.—No. 2."

	Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Poles Direct. Face of Needle. Direct. a'	Poles Direct. Face of Needle. Reversed. a''	Poles Direct. Face of Needle. Reversed. a'''	Poles Reversed. Face of Needle. Direct. b	Poles Reversed. Face of Needle. Direct. b'	Poles Reversed. Face of Needle. Reversed. b''	Poles Reversed. Face of Needle. Reversed. b'''	Inclination.	Monthly Means.
1847.	D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
July.	2 20	J. J.	75 22·8	74 13·2	75 01·8	74 29·4	75 23·2	75 52·8	75 20·2	75 53·0	75 12·0	
	3 4	J. J.	75 22·7	74 23·0	74 49·2	74 41·4	75 23·0	75 39·8	75 22·0	75 53·2	75 11·8	
	6 20	J. L.	75 20·4	74 28·0	75 03·0	74 36·0	75 14·6	75 29·0	74 46·6	76 02·2	75 07·7	
	7 4	J. L.	75 31·4	74 13·2	75 04·6	74 41·0	75 18·6	75 23·4	74 46·4	75 53·4	75 06·5	
	9 20	J. W.	75 38·8	74 49·4	75 14·4	74 35·9	75 30·8	75 22·0	75 02·4	75 52·6	75 15·7	
	10 4	J. W.	75 19·2	74 34·8	75 04·2	74 49·4	75 17·6	75 23·0	74 55·8	76 09·0	75 12·2	
	13 20	T. M.	75 23·4	75 24·4	75 02·2	74 58·2	75 14·8	75 29·2	75 01·4	75 13·6	75 13·4	
	14 4	T. M.	75 14·8	75 30·4	75 04·8	75 04·6	75 10·6	75 23·4	75 05·2	75 17·8	75 13·8	
	16 20	C. J.	75 13·6	74 28·6	75 09·3	74 44·6	75 13·6	75 19·5	74 50·3	76 02·4	75 07·7	75 11·6
	17 4	J. L.	75 22·4	74 30·6	75 04·2	74 44·0	75 40·6	75 31·8	74 26·4	75 50·0	75 08·7	
	20 20	J. J.	75 30·6	74 19·6	75 12·6	74 51·2	75 21·2	75 45·0	74 30·2	76 03·6	75 11·7	
	21 4	J. J.	75 30·2	74 11·7	75 09·6	74 46·6	75 20·8	75 37·4	74 42·0	76 09·6	75 11·0	
	23 20	T. M.	75 50·0	74 12·0	75 12·6	74 32·2	75 22·6	75 28·2	75 00·0	76 02·6	75 12·5	
	24 4	T. M.	75 35·2	74 22·8	75 30·0	74 38·4	75 21·4	75 30·4	75 00·3	76 02·9	75 15·1	
	27 20	J. J.	75 41·2	74 28·0	75 06·2	74 49·0	75 21·0	75 30·0	75 02·2	76 04·4	75 15·2	
	28 4	J. J.	75 37·2	74 28·8	75 09·6	74 44·6	75 20·4	75 29·6	75 02·4	76 04·0	75 14·6	
	30 20	T. M.	75 41·5	74 29·8	75 11·4	74 52·0	75 15·0	75 34·0	75 00·0	75 13·6	75 09·7	
	31 4	T. M.	75 37·0	74 32·0	75 12·0	74 48·2	75 12·4	75 38·0	75 00·4	75 18·4	75 09·8	
August.	3 20	J. W.	75 20·8	74 38·2	75 10·8	74 42·9	75 23·1	75 30·9	75 03·9	75 59·0	75 13·7	
	4 4	J. W.	75 28·8	74 30·2	75 11·2	74 45·6	75 18·6	75 11·0	75 04·0	76 04·5	75 11·7	
	6 20	C. J.	75 30·7	74 44·6	75 00·9	74 51·9	75 08·8	74 51·9	75 37·4	75 56·2	75 12·9	
	7 4	C. J.	75 20·5	74 34·3	74 59·7	74 40·4	75 10·4	75 40·3	74 40·7	76 26·4	75 11·6	
	10 20	J. L.	75 22·2	74 36·6	75 00·6	74 51·4	75 14·9	75 27·2	74 59·2	76 10·2	75 12·8	
	11 4	J. L.	75 17·2	74 34·8	75 01·0	74 47·0	75 18·8	75 26·8	74 55·8	76 13·4	75 11·8	
	13 20	J. J.	75 23·6	74 30·1	75 11·4	74 40·0	75 18·8	75 21·4	75 09·4	76 10·0	75 13·1	
	14 4	J. J.	75 18·5	74 40·4	74 58·9	74 44·5	75 19·6	75 21·0	75 10·6	76 06·8	75 12·6	75 12·6
	17 20	T. M.	75 16·4	74 38·4	75 06·0	74 59·2	75 14·2	75 23·2	75 11·2	76 03·2	75 13·9	
	18 4	T. M.	75 17·2	74 35·0	75 00·3	74 34·6	75 15·0	75 19·4	75 08·0	75 58·4	75 08·5	
	20 20	J. W.	75 34·0	74 37·1	75 15·9	74 37·2	75 22·3	75 28·6	75 02·5	76 09·8	75 15·9	
	21 4	J. W.	75 27·6	74 33·5	75 06·7	74 50·8	75 13·8	75 19·6	75 08·2	75 43·1	75 10·4	
	24 20	C. J.	75 25·4	74 30·4	75 11·6	74 28·9	75 12·8	75 30·8	75 05·0	75 49·4	75 09·3	
	25 4	C. J.	75 24·2	74 34·4	75 10·0	74 49·2	75 18·6	75 29·2	75 00·9	76 08·8	75 14·5	
	27 20	J. L.	75 20·6	74 38·2	75 05·6	74 49·6	75 12·2	75 30·2	74 54·8	76 00·2	75 11·4	
	28 4	J. L.	75 16·4	75 05·4	75 01·0	74 50·0	75 12·8	75 56·0	74 55·0	76 03·4	75 17·5	
September.	3 20*	T. M.	75 41·2	74 56·0	74 54·1	75 22·6	75 40·4	74 57·2	74 51·4	75 22·2	75 13·1	
	4 4	T. M.	75 41·2	74 54·0	74 51·2	75 23·6	75 49·6	74 43·2	75 07·1	75 25·0	75 14·4	
	7 20	J. W.	75 40·4	74 57·3	75 11·4	75 23·9	75 46·2	74 47·1	75 06·7	75 13·5	75 15·8	
	8 4	J. W.	75 37·4	75 00·8	75 06·0	75 28·4	75 49·2	74 49·8	75 09·0	75 16·5	75 17·1	
	10 20	C. J.	75 19·6	75 07·5	74 57·4	75 24·7	75 49·6	74 54·2	75 11·0	75 24·7	75 16·1	
	11 4	C. J.	75 35·1	74 57·7	75 20·1	75 24·6	75 41·4	74 54·7	75 09·7	75 25·0	75 18·5	
	14 20	J. L.	75 19·6	75 11·6	74 53·6	75 39·4	75 38·2	74 50·2	75 00·6	75 22·6	75 14·5	75 15·4
	15 4	J. L.	75 27·6	74 58·8	74 48·8	75 41·6	75 41·0	74 52·9	74 48·4	75 26·2	75 13·2	
	21 20	T. M.	75 25·0	74 54·0	75 02·0	75 31·6	75 41·6	74 51·4	75 00·4	75 21·0	75 13·4	
	22 3	T. M.	75 43·2	74 41·2	74 59·6	75 21·0	75 30·8	75 06·4	75 04·0	75 18·6	75 13·0	
	24 20	J. W.	75 40·0	75 03·8	75 01·6	75 41·0	75 37·8	74 55·9	74 59·4	75 24·0	75 17·9	
	25 4	J. W.	75 39·2	75 01·6	75 06·7	75 24·6	75 41·0	74 48·4	75 01·0	75 23·5	75 15·7	
	28 20	C. J	75 29·6	75 04·8	75 04·6	75 40·3	75 45·5	74 53·6	75 06·3	75 23·8	75 18·5	
	29 3	C. J.	75 22·4	75 00·0	75 00·4	75 32·1	75 46·6	74 49·0	75 09·9	75 20·1	75 15·1	

* R. 1. inadvertently left exposed, and the axis injured. R. 2. taken into use.

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Robinson, No. 2."

Toronto Astron. Time.		Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Poles Direct. Face of Needle. Reversed. a'	Poles Direct. Face of Needle. Reversed. a''	Poles Direct. Face of Needle. Reversed. a'''	Poles Reversed. Face of Needle. Direct. b	Poles Reversed. Face of Needle. Direct. b'	Poles Reversed. Face of Needle. Reversed. b''	Poles Reversed. Face of Needle. Reversed. b'''	Inclination.	Monthly Means.
1847.	D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
October.	1 20	J. L.	75 36·4	75 09·0	75 01·6	75 36·4	75 34·2	74 56·0	75 05·8	75 26·8	75 18·2	
	2 4	J. L.	75 29·2	75 04·0	74 57·2	75 38·2	75 38·2	74 56·6	75 09·8	75 23·0	75 17·0	
	5 20	J. J.	75 40·0	75 00·0	75 00·0	75 28·3	75 43·0	74 54·3	75 00·6	75 29·4	75 17·0	
	6 4	J. J.	75 36·8	75 00·0	75 04·0	75 32·6	75 38·4	74 59·2	75 01·8	75 26·2	75 17·4	
	8 20	T. M.	75 32·2	75 05·3	75 04·8	75 24·0	75 40·8	74 51·6	75 01·8	75 30·6	75 16·4	
	9 4	T. M.	75 35·6	75 03·4	75 10·0	75 18·0	75 40·2	74 49·2	75 06·8	75 28·6	75 16·4	
	12 20	J. W.	75 30·3	75 05·9	75 14·7	75 33·4	75 39·0	74 54·2	75 09·4	75 15·1	75 18·5	
	13 4	J. W.	75 45·1	74 57·0	75 11·6	75 20·6	75 45·0	74 50·4	75 12·9	75 17·8	75 17·5	
	15 20	C. J.	75 36·8	75 05·7	75 15·1	75 32·5	75 36·4	74 54·2	75 10·4	75 15·7	75 18·3	75 17·6
	16 4	C. J.	75 44·9	74 55·4	75 14·8	75 20·8	75 44·5	74 50·4	75 11·0	75 17·8	75 17·4	
	19 20	J. L.	75 35·2	75 03·2	74 57·2	75 41·2	75 35·6	75 04·4	75 03·2	75 26·0	75 18·2	
	20 4	J. L.	75 27·2	75 05·6	74 51·4	75 39·4	75 36·2	74 56·8	75 02·0	75 27·4	75 15·7	
	23 4	J. J.	75 38·4	74 58·6	75 18·8	75 17·6	75 47·0	74 55·8	75 19·3	75 19·4	75 19·4	
	26 20	J. J.	75 39·4	75 02·8	75 17·0	75 27·2	75 39·9	74 52·9	75 19·6	75 17·2	75 19·5	
	27 4	T. M.	75 43·6	74 57·0	75 12·0	75 31·0	75 41·9	74 52·4	75 22·0	75 12·0	75 19·0	
	29 20	T. M.	75 30·8	75 09·8	75 05·1	75 30·2	75 28·0	75 02·1	75 08·4	75 20·4	75 16·8	
	30 4	J. W.	75 29·4	75 08·6	75 05·9	75 29·2	75 29·4	75 00·8	75 08·4	75 25·8	75 17·2	
November.	2 20	C. J.	75 35·3	75 09·7	75 10·4	75 20·6	75 28·2	74 55·1	75 16·6	75 20·0	75 17·0	
	3 4	C. J.	75 23·8	75 05·4	75 20·0	75 35·3	75 35·0	75 01·4	75 04·8	75 23·0	75 18·4	
	5 20	J. L.	75 30·6	75 06·2	74 55·0	75 42·4	75 31·4	75 07·3	75 05·0	75 28·8	75 18·3	
	6 4	J. L.	75 22·6	75 09·2	74 53·6	75 37·9	75 24·4	75 04·1	75 00·0	75 29·0	75 15·1	
	9 20	J. J.	75 32·2	75 06·4	75 08·6	75 31·2	75 33·9	74 53·4	75 10·8	75 20·5	75 17·1	
	10 4	J. J.	75 33·5	75 02·2	75 09·4	75 33·0	75 35·9	74 54·5	75 08·8	75 20·7	75 17·2	
	12 20	T. M.	75 30·4	75 06·4	75 03·8	75 34·2	75 49·0	75 02·2	75 11·6	75 08·6	75 18·2	
	13 4	T. M.	75 30·0	75 12·6	75 02·0	75 29·2	75 48·4	74 53·0	75 16·2	75 08·4	75 17·4	75 17·7
	16 20	J. W.	75 29·2	75 09·6	75 04·6	75 32·8	75 35·3	75 00·0	75 03·9	75 29·8	75 18·1	
	17 4	J. W.	75 28·0	75 03·1	75 11·9	75 29·8	75 34·3	74 58·4	75 03·1	75 28·2	75 17·1	
	19 20	C. J.	75 39·6	75 15·6	75 20·8	75 29·9	75 30·6	74 57·0	75 20·7	75 19·7	75 21·8	
	20 4	C. J.	75 27·6	75 15·0	75 24·4	75 23·4	75 30·0	74 58·0	75 19·0	75 17·4	75 19·2	
	23 20	J. L.	75 23·2	75 15·8	74 59·1	75 42·6	75 29·0	75 01·8	75 05·0	75 34·2	75 18·8	
	24 4	J. L.	75 21·4	75 12·0	74 53·2	75 41·6	75 32·0	75 03·3	75 01·8	75 31·0	75 17·0	
	26 20	J. J.	75 25·5	75 12·0	75 01·7	75 29·4	75 24·0	75 04·2	75 09·4	75 30·8	75 17·1	
	27 4	J. J.	75 31·5	75 00·0	75 06·0	75 21·7	75 30·4	75 09·7	75 00·0	75 30·8	75 16·3	
Nov.	30 20	T. M.	75 25·0	75 14·2	75 04·6	75 30·2	75 37·0	75 01·0	75 20·4	75 20·2	75 19·0	
December.	1 4	T. M.	75 28·0	75 11·6	75 06·2	75 26·0	75 37·0	75 01·8	75 25·6	75 18·4	75 19·3	
	3 20	J. W.	75 19·2	75 12·5	75 00·8	75 36·9	75 32·1	74 49·2	75 11·0	75 25·8	75 17·1	
	4 4	J. W.	75 21·5	75 06·1	75 01·6	75 39·4	75 36·9	75 02·7	75 06·5	75 29·4	75 18·0	
	7 20	C. J.	75 35·1	75 00·1	75 11·2	74 55·1	75 35·4	74 55·6	75 12·8	75 15·2	75 12·6	
	8 4	C. J.	75 32·9	75 10·3	75 15·1	75 01·3	75 31·4	75 00·0	75 20·0	75 25·0	75 17·0	
	10 20	J. L.	75 24·5	75 11·8	74 57·8	75 37·2	75 24·4	75 01·7	75 09·8	75 20·6	75 16·0	
	11 4	J. L.	75 31·8	75 09·0	75 06·4	75 34·3	75 36·9	75 01·0	75 09·8	75 19·8	75 18·6	
	14 20	J. J.	75 20·1	75 07·8	75 10·5	75 29·7	75 15·9	75 04·8	75 11·5	75 21·7	75 15·2	75 17·0
	15 4	J. J.	75 30·1	75 04·0	75 07·6	75 25·3	75 28·6	75 00·0	75 02·0	75 24·8	75 15·2	
	17 20	T. M.	75 26·8	75 02·6	75 10·0	75 18·8	75 17·2	75 00·4	75 15·2	75 27·2	75 14·8	
	18 4	T. M.	75 33·2	75 11·6	75 03·0	75 14·0	75 26·8	74 59·2	75 09·6	75 21·6	75 14·9	
	21 20	J. W.	75 22·3	75 04·4	75 13·3	75 24·5	75 28·8	74 58·8	75 11·4	75 25·6	75 16·1	
	22 4	J. W.	75 26·1	75 04·6	75 08·6	75 29·2	75 33·9	75 01·7	75 17·6	75 21·4	75 17·8	
	28 20	J. L.	75 25·6	75 12·8	75 12·0	75 32·5	75 32·6	75 04·6	75 13·0	75 21·4	75 19·3	
	29 4	J. L.	75 29·4	75 10·8	75 03·4	75 39·2	75 36·4	75 05·8	75 12·6	75 21·2	75 19·8	

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Robinson, No. 2."

Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Poles Direct. Face of Needle. Direct. a'	Poles Direct. Face of Needle. Reversed. a''	Poles Direct. Face of Needle. Reversed. a'''	Poles Reversed. Face of Needle. Direct. b	Poles Reversed. Face of Needle. Direct. b'	Poles Reversed. Face of Needle. Reversed. b''	Poles Reversed. Face of Needle. Reversed. b'''	Inclination.	Monthly Means.
1848.											
D.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
January. 16	T. M.	75 29·1	75 12·5	75 06·1	75 32·6	75 34·6	75 04·1	75 14·5	75 20·4	75 19·2	
17	C. J.	75 28·4	75 10·7	75 03·4	75 35·0	75 35·3	75 06·2	75 21·2	75 25·0	75 20·7	
17	C. J.	75 29·1	75 09·1	75 12·0	75 34·9	75 35·4	75 09·9	75 07·1	75 19·8	75 19·7	
18	C. J.	75 30·1	74 59·8	75 19·6	75 29·6	75 35·2	75 00·5	75 16·8	75 30·1	75 20·3	
18	J. J.	75 22·8	75 07·2	75 16·9	75 33·5	75 35·2	75 24·8	75 07·0	75 12·0	75 19·9	75 20·3
19	J. J.	75 33·8	75 00·1	75 03·5	75 52·8	75 14·4	75 50·6	74 58·8	75 10·4	75 20·5	
19	J. J.	75 15·4	75 22·1	75 16·6	75 26·2	75 12·0	75 19·8	75 14·8	75 39·6	75 20·9	
19	J. J.	75 26·6	75 20·4	74 55·1	75 47·0	75 28·3	75 12·3	75 13·0	75 26·6	75 21·2	
February. 16	J. L.	75 33·1	75 17·8	75 22·4	75 29·0	75 44·1	74 51·3	75 20·1	75 25·1	75 22·8	
16	J. L.	75 34·3	75 00·3	75 11·5	75 43·3	75 48·0	74 53·2	75 12·6	75 34·3	75 22·1	
17	J. W.	75 35·4	74 58·4	75 10·8	75 15·0	75 17·6	75 19·5	75 35·0	75 10·0	75 17·7	
17	J. W.	75 11·8	75 24·9	75 30·8	75 11·9	75 13·8	75 22·2	75 33·3	75 06·4	75 19·3	
17	T. M.	75 12·5	75 27·0	75 28·9	75 08·7	75 18·3	75 15·6	75 41·0	74 58·0	75 18·8	75 18·7
17	T. M.	75 12·0	75 30·2	75 31·2	75 12·2	75 20·0	75 14·8	75 39·8	75 01·0	75 20·1	
18	J. J.	75 10·3	75 26·2	75 28·6	75 01·8	75 05·2	75 22·3	75 28·9	75 08·7	75 16·5	
18	J. J.	75 05·7	75 30·0	75 25·2	75 07·9	75 06·6	75 21·1	75 30·4	75 08·2	75 16·9	
18	C. J.	75 10·5	75 18·8	75 32·7	74 59·3	75 19·2	75 20·6	75 14·8	75 20·0	75 17·0	
19	C. J.	75 01·2	75 24·0	75 19·2	75 05·8	75 08·3	75 32·9	75 25·3	75 10·0	75 15·8	
March. 13	J. W.	75 07·6	75 25·9	75 36·8	75 01·2	75 05·3	75 26·5	75 41·7	74 53·8	75 17·3	
13	J. W.	75 00·0	75 26·1	75 39·2	74 57·7	75 09·0	75 28·5	75 37·8	74 58·8	75 17·1	
13	C. J.	75 11·1	75 17·1	75 36·0	75 09·4	75 19·6	75 27·1	75 11·0	74 56·8	75 16·0	
13	C. J.	75 13·5	75 19·8	75 35·0	74 55·4	75 13·0	75 29·5	75 34·4	74 58·1	75 17·4	
14	J. J.	74 50·4	75 43·5	75 45·1	74 59·0	75 09·0	75 27·2	75 39·0	74 51·3	75 18·0	
14	J. J.	74 52·7	75 41·3	75 35·2	74 59·2	75 00·0	75 38·6	75 38·8	74 51·0	75 17·1	75 17·2
14	J. L.	75 01·0	75 38·2	75 28·0	75 03·8	75 08·8	75 27·0	75 47·6	74 49·5	75 18·0	
14	J. L.	74 52·2	75 30·1	75 36·9	74 54·9	75 11·4	75 29·0	75 48·2	74 45·4	75 16·0	
15	T. M.	74 56·1	75 41·0	75 29·8	75 00·0	75 08·0	75 25·2	75 54·2	74 45·3	75 17·4	
15	T. M.	74 58·4	75 39·7	75 30·0	74 57·4	75 09·2	75 27·2	75 50·2	74 46·4	75 17·3	
April. 16	T. M.	75 01·0	75 36·3	75 43·0	75 00·0	75 05·1	75 25·1	75 43·8	75 45·3	75 17·4	
16	T. M.	74 58·4	75 32·8	75 44·1	75 00·0	75 13·1	75 21·8	75 42·8	74 45·0	75 17·2	
17	J. W.	75 04·9	75 29·2	75 34·7	74 57·6	75 01·0	75 39·8	75 47·2	74 52·9	75 18·4	
17	J. W	75 05·1	75 34·8	75 36·2	74 52·6	74 58·2	75 37·6	75 47·1	74 52·1	75 17·9	
17	C. J.	75 04·6	75 34·4	75 35·2	74 57·4	75 01·0	75 39·6	75 40·2	74 57·4	75 18·8	
17	C. J.	75 05·4	75 36·4	75 39·5	74 55·6	75 05·0	75 36·7	75 38·2	74 56·4	75 19·2	
18	J. L.	75 02·6	75 33·4	75 33·1	75 01·9	75 07·1	75 36·1	75 40·6	74 49·2	75 18·0	75 18·0
18	J. L.	74 53·6	75 46·0	75 32·8	75 03·9	75 10·0	75 36·3	75 37·6	74 49·0	75 18·6	
18	J. J.	74 52·0	75 47·4	75 39·4	74 51·9	74 57·6	75 49·0	75 37·2	74 48·7	75 17·9	
18	J. J.	74 48·5	75 51·1	75 37·6	74 51·0	75 12·8	75 36·3	75 35·2	74 45·6	75 17·3	
19	T. M.	74 53·2	75 47·2	75 38·2	74 49·6	74 56·0	75 43·3	75 44·9	74 52·6	75 18·1	
19	T. M.	74 55·6	75 46·0	75 37·4	74 49·6	74 55·0	75 42·4	75 35·0	75 00·0	75 17·6	

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Robinson, No. 2."

Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct.		Poles Direct. Face of Needle. Reversed.		Poles Reversed. Face of Needle. Direct.		Poles Reversed. Face of Needle. Reversed.		Inclination.	Monthly Means.
		a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
1848.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
D.											
May. 14	J. W.	74 58·8	75 37·5	75 40·3	74 50·0	75 06·2	75 29·6	75 47·2	74 55·3	75 18·2	
14	C. J.	75 00·0	75 40·0	75 40·5	74 50·0	74 55·1	75 29·9	75 45·0	75 08·5	75 18·6	
15	J. J.	74 49·7	75 39·6	75 37·7	75 01·0	74 56·5	75 37·5	75 36·0	74 50·4	75 16·0	
15	J. J.	74 48·8	75 39·8	75 38·7	74 59·2	74 50·9	75 36·8	75 40·3	74 54·8	75 16·1	
15	C. J.	74 50·0	75 44·1	75 32·6	74 58·2	74 59·4	75 35·3	75 45·1	74 54·9	75 17·5	
15	C. J.	75 05·4	75 44·1	75 34·9	74 50·0	74 55·1	75 30·1	75 40·0	75 00·2	75 17·5	75 17·2
16	J. W.	74 49·6	75 45·5	75 34·3	75 59·8	74 54·2	75 40·6	75 34·8	74 52·3	75 16·4	
16	J. W.	74 54·4	75 44·8	75 33·4	74 58·6	74 58·6	75 34·1	75 37·0	74 54·2	75 16·9	
16	T. M.	74 59·4	75 40·2	75 38·5	75 04·4	75 02·6	75 21·8	75 46·4	74 45·3	75 17·2	
16	T. M.	74 57·6	75 39·1	75 41·5	75 02·8	75 07·0	75 18·0	75 45·8	74 44·4	75 17·0	
17	J. L.	74 56·4	75 44·2	75 41·3	74 59·1	75 00·4	75 32·6	75 39·6	74 56·4	75 18·0	
17	J. L.	75 00·8	75 42·7	75 43·7	75 00·4	74 57·3	75 27·0	75 43·8	74 52·7	75 17·5	
June. 14	C. J.	74 55·6	75 35·4	75 40·2	75 00·2	74 54·7	75 42·0	75 34·6	74 55·3	75 16·1	
14	C. J.	74 53·8	75 37·9	75 35·0	74 55·0	75 00·2	75 39·2	75 31·0	74 59·1	75 16·4	
15	T. M.	75 02·0	75 34·5	75 24·8	75 02·5	75 11·6	75 09·5	75 39·6	75 10·0	75 16·8	
15	T. M.	75 10·2	75 38·4	75 25·4	75 02·0	75 08·4	75 08·4	75 37·0	75 12·0	75 17·4	
15	J. J.	74 56·3	75 30·1	75 33·6	75 06·8	75 03·9	75 23·7	75 30·8	75 25·2	75 17·2	
15	J. J.	75 04·2	75 29·0	75 30·5	75 02·4	75 22·1	75 22·9	75 31·6	74 57·2	75 17·5	75 16·8
16	J. J.	74 57·2	75 40·7	75 29·0	74 56·7	75 04·6	75 28·8	75 38·8	74 48·8	75 15·6	
16	J. J.	74 49·2	75 40·6	75 29·8	74 59·4	75 11·8	75 27·8	75 38·2	74 49·0	75 15·7	
16	J. W.	74 57·2	75 39·0	75 37·1	74 49·6	75 07·2	75 27·9	75 42·1	74 49·6	75 16·2	
16	J. W.	74 57·3	75 40·0	75 38·8	74 52·0	75 04·5	75 38·5	75 39·0	74 50·4	75 17·5	
17	J. W.	74 57·9	75 36·9	75 47·7	74 50·1	75 01·4	75 26·8	75 40·8	74 50·2	75 16·4	
17	J. W.	75 01·6	75 23·2	75 48·0	74 49·2	75 08·4	75 41·8	75 50·6	74 48·5	75 18·9	
July. 17	J. W.	75 04·1	75 41·4	75 55·6	74 38·4	75 03·6	75 30·6	75 50·1	74 34·7	75 17·3	
17	J. W.	74 56·8	75 54·2	75 48·8	74 39·0	75 01·7	75 30·2	75 49·8	74 31·8	75 16·5	
18	J. W.	74 56·5	75 44·3	75 54·2	74 40·6	74 57·2	75 30·2	75 54·2	74 37·8	75 16·8	
18	J. W.	74 57·0	75 40·7	75 52·0	74 41·6	74 58·2	75 30·8	75 51·4	74 40·0	75 16·4	
18	J. J.	74 50·9	75 23·3	75 51·0	74 47·0	74 56·6	75 33·9	75 48·6	74 30·7	75 12·7	
18	T. M.	74 55·7	75 34·6	76 05·0	74 34·4	75 36·7	74 58·8	75 54·7	74 28·6	75 16·0	75 16·4
19	T. M.	74 53·2	75 30·4	75 58·6	74 39·0	74 56·4	75 38·0	76 00·0	74 29·2	75 15·6	
19	T. M.	74 57·1	75 24·0	76 01·0	74 40·7	75 02·7	75 28·4	75 57·6	74 44·0	75 16·9	
19	J. J.	75 12·6	75 39·8	75 54·0	74 33·9	74 50·0	75 34·1	75 40·0	74 38·0	75 15·3	
19	J. J.	75 03·2	75 36·5	75 48·8	74 34·8	74 56·6	75 38·2	75 47·4	74 34·5	75 15·0	
20	C. J.	75 13·3	75 40·1	75 58·8	74 39·4	75 00·4	75 37·4	75 39·5	74 46·4	75 19·4	
20	C. J.	75 11·4	75 36·5	75 31·0	74 54·6	75 05·8	75 20·6	75 40·4	75 09·7	75 18·8	
August. 14	J. W.	74 54·7	75 37·4	76 00·0	74 29·2	75 10·1	75 29·1	76 02·0	74 28·2	75 16·3	
14	J. W.	75 06·7	75 36·4	76 01·9	74 32·0	75 13·2	75 30·4	76 03·6	74 27·5	75 18·9	
15	T. M.	74 53·5	75 40·8	75 54·0	74 34·0	75 12·2	75 30·0	76 00·0	74 33·4	75 17·2	
15	T. M.	75 02·0	75 36·8	75 52·6	74 35·0	75 24·2	75 30·6	75 57·8	74 37·6	75 19·6	
15	T. M.	75 12·5	75 46·0	76 02·0	74 28·4	75 14·4	75 30·8	76 01·0	74 29·2	75 20·5	
15	T. M.	75 07·6	75 49·2	75 59·6	74 35·2	75 10·0	75 32·4	76 01·0	74 28·0	75 20·3	
16	J. W.	74 50·3	75 59·8	75 51·0	74 39·6	74 52·2	75 32·7	76 02·7	74 35·6	75 18·0	
16	J. W.	74 51·3	75 56·5	75 49·6	74 42·0	74 56·1	75 30·9	76 06·1	74 28·1	75 17·5	75 19·0
16	C. J.	75 08·0	75 57·2	75 25·9	74 44·6	74 45·0	75 16·5	76 07·0	75 02·4	75 18·3	
16	C. J.	74 46·5	75 56·3	75 51·1	74 40·8	75 15·7	75 44·2	75 53·8	74 36·6	75 20·7	
17	C. J.	74 50·0	75 42·7	75 58·0	74 55·5	74 58·5	75 31·3	75 41·1	74 56·9	75 19·3	
17	C. J.	75 05·8	75 57·7	75 35·1	74 54·5	74 51·9	75 36·0	75 45·0	74 58·7	75 20·6	
17	J. J.	75 02·2	75 47·1	75 54·2	74 44·5	74 48·6	75 46·7	76 07·0	74 37·5	75 20·9	
17	J. J.	75 07·2	76 05·6	75 45·3	74 40·2	74 50·2	75 29·4	76 10·6	74 39·2	75 21·0	
18	J. J.	74 54·1	75 41·3	75 42·7	74 40·1	74 45·7	75 45·9	76 04·5	74 38·1	75 16·5	
18	J. J.	75 02·6	75 49·7	75 33·5	74 44·8	74 54·2	75 50·0	76 05·2	74 33·6	75 19·2	

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Robinson, No. 2."

Toronto Astron. Time.		Initials of Observers.	Poles Direct. Face of Needle. Direct.		Poles Direct. Face of Needle. Reversed.		Poles Reversed. Face of Needle. Direct.		Poles Reversed. Face of Needle. Reversed.		Inclination.	Monthly Means.
			a	a'	a''	a'''	b	b'	b''	b'''		
1848.			° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
September.	D. 14	J. J.	74 56·9	75 59·8	75 54·3	74 35·0	74 50·3	75 10·9	76 02·7	75 06·0	75 19·5	
	14	J. J.	75 23·8	75 30·1	75 42·6	74 58·2	75 16·2	75 07·3	75 17·9	75 01·0	75 17·2	
	15	C. J.	75 05·0	75 26·7	75 26·2	75 10·7	75 42·1	75 29·9	75 35·5	74 38·4	75 19·3	
	15	C. J.	75 17·8	75 25·3	75 25·1	75 12·6	75 39·8	75 30·0	75 45·3	74 29·4	75 20·6	
	15	J. J.	75 19·8	75 25·5	75 32·9	75 02·0	75 04·0	75 14·8	75 22·3	74 46·0	75 13·4	
	15	J. J.	75 28·8	75 22·1	75 32·4	74 47·5	75 21·3	75 09·4	75 22·5	74 40·5	75 13·1	75 17·3
	16	J. W.	75 14·0	75 23·1	75 42·8	74 53·5	75 21·0	75 24·0	75 49·3	74 35·0	75 17·8	
	16	J. W.	75 14·1	75 33·9	75 46·8	75 04·3	75 28·8	75 10·2	75 43·8	74 35·4	75 19·6	
	18	J. J.	75 08·7	75 36·8	75 39·2	75 00·2	75 10·3	75 30·9	75 52·0	74 23·0	75 17·6	
	18	J. J.	75 13·2	75 31·3	75 42·2	74 49·8	75 11·3	75 52·0	75 32·1	74 27·0	75 17·3	
	19	C. J.	75 10·2	75 21·0	75 42·4	74 39·6	75 10·2	75 36·4	75 52·7	74 27·2	75 14·9	
	19	C. J.	75 12·3	75 22·1	75 35·6	74 41·0	75 29·2	75 30·6	75 39·4	74 52·2	75 17·8	
October.	16	J. J.	75 07·0	75 49·7	75 34·5	74 46·2	75 24·8	75 30·5	75 41·5	74 26·2	75 17·5	
	16	J. J.	74 50·0	75 44·2	75 48·4	74 48·4	75 17·9	75 41·2	75 54·4	74 25·2	75 18·7	
	17	C. J.	74 49·2	75 42·0	75 49·8	74 48·6	75 04·6	75 41·9	75 42·7	74 59·8	75 19·9	
	17	C. J.	75 02·2	75 54·8	75 35·0	74 34·9	75 14·7	75 46·0	75 42·9	74 43·9	75 19·3	
	18	J. W.	74 47·8	75 54·9	75 50·6	74 44·5	75 10·9	75 27·2	75 59·2	74 36·3	75 18·9	
	18	J. W.	74 51·6	76 01·7	75 42·1	74 48·6	75 11·8	75 43·0	76 01·6	74 39·1	75 22·4	
	18	J. W.	74 53·6	76 01·7	75 53·0	74 42·0	75 07·8	75 28·2	76 03·8	74 40·4	75 21·2	75 19·0
	18	J. W.	74 52·4	76 04·4	75 52·4	74 42·8	75 06·7	75 29·4	76 03·2	74 37·8	75 21·4	
	19	T. M.	75 05·6	75 42·2	75 50·0	74 54·5	75 19·5	75 40·9	75 32·4	74 46·1	75 21·4	
	19	T. M.	75 00·4	75 36·5	75 31·5	74 55·9	75 10·4	75 32·7	75 35·8	75 01·6	75 18·1	
	19	C. J.	74 45·0	75 30·0	75 39·9	74 57·0	74 52·1	75 30·8	75 48·7	74 54·1	75 14·7	
	19	C. J.	74 48·3	75 34·7	75 39·0	74 58·1	74 50·8	75 32·7	75 47·6	74 48·1	75 14·9	
	20	J. J.	74 39·9	75 43·0	75 27·4	75 15·3	75 30·5	75 43·7	75 37·5	74 35·0	75 19·0	
	20	J. J.	74 55·0	75 45·7	75 20·6	75 02·0	75 07·6	75 40·4	75 52·5	74 45·7	75 18·7	
November.	20	C. J.	74 43·1	75 50·7	75 40·0	74 51·9	75 21·1	75 40·0	76 02·8	74 34·3	75 20·5	
	20	C. J.	74 42·5	75 40·1	75 40·4	74 59·1	75 14·8	75 40·4	76 07·4	74 34·9	75 20·2	
	21	T. M.	74 40·5	76 10·0	75 39·6	74 50·7	75 05·5	75 37·7	76 06·1	74 35·0	75 20·6	
	21	T. M.	74 38·0	76 07·6	75 40·0	74 45·0	75 02·8	75 37·0	76 08·4	74 37·8	75 19·5	
	21	J. J.	75 04·0	75 43·3	75 33·5	74 48·7	75 06·6	75 44·6	75 50·6	74 35·3	75 18·3	
	21	J. J.	74 45·4	75 58·0	75 38·6	74 47·4	74 51·0	75 50·2	75 50·5	74 33·7	75 16·9	75 19·4
	22	C. J.	74 47·4	75 45·1	75 41·3	74 53·6	75 16·2	75 40·7	75 53·1	74 36·1	75 19·2	
	22	C. J.	75 03·2	75 32·6	75 43·7	75 00·0	75 13·1	75 41·9	75 52·5	74 36·3	75 20·5	
	22	J. W.	75 14·3	75 31·7	75 50·1	75 01·8	74 56·4	75 41·2	75 44·1	74 36·7	75 19·5	
	22	J. W.	75 16·3	75 46·9	75 51·2	74 36·4	75 15·7	75 31·8	75 41·2	74 53·5	75 21·6	
	23	J. J.	75 05·2	75 09·8	75 56·9	74 45·3	75 09·7	75 44·7	75 49·7	74 36·6	75 17·2	
	23	J. J.	75 08·8	75 34·1	75 45·1	74 43·5	75 59·6	75 52·1	75 44·9	74 39·8	75 18·5	
December.	18	C. J.	75 02·2	75 26·0	75 47·4	75 04·2	75 23·0	75 32·8	75 52·5	74 56·9	75 23·5	
	18	C. J.	75 24·3	75 37·9	75 29·9	74 44·8	75 28·8	75 29·0	75 37·9	74 52·5	75 20·6	
	19	T. M.	75 02·4	75 55·5	75 48·0	74 44·8	75 11·6	75 43·2	76 08·0	75 00·4	75 26·8	
	19	T. M.	75 56·0	76 03·2	75 45·0	74 46·8	74 51·2	75 41·2	76 04·4	75 09·6	75 24·7	
	19	J. J.	75 18·3	75 16·8	75 27·6	74 53·6	75 18·0	75 28·8	75 20·6	74 56·8	75 15·1	
	19	J. J.	75 08·4	75 30·0	75 19·9	75 03·1	75 15·5	75 27·4	75 42·7	74 49·5	75 17·1	75 20·6
	20	J. W.	75 27·5	75 41·1	75 33·6	75 09·8	75 13·6	75 19·9	75 37·8	75 05·9	75 23·6	
	20	J. W.	75 15·1	75 08·8	75 28·7	75 04·1	75 18·1	75 30·8	75 32·0	75 11·2	75 18·6	
	20	C. J.	75 34·7	75 16·0	75 10·6	75 31·8	75 39·4	75 15·2	75 25·4	75 08·5	75 22·7	
	20	C. J.	75 20·0	75 25·9	75 08·5	75 30·0	75 47·6	75 16·3	75 33·1	74 50·5	75 21·5	
	21	C. J.	75 08·4	75 15·0	75 21·5	75 22·4	75 27·2	75 13·4	75 18·6	74 58·0	75 15·5	
	21	C. J.	75 11·8	75 22·0	75 15·3	75 19·5	75 31·3	75 15·1	75 27·5	74 54·7	75 17·1	

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Toronto Astron. Time.		Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Poles Direct. Face of Needle. Direct. a'	Poles Direct. Face of Needle. Reversed. a''	Poles Direct. Face of Needle. Reversed. a'''	Poles Reversed. Face of Needle. Direct. b	Poles Reversed. Face of Needle. Direct. b'	Poles Reversed. Face of Needle. Reversed. b''	Poles Reversed. Face of Needle. Reversed. b'''	Inclination.	Monthly Means.
1849.	D.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
January.	14	T. M.	75 33·0	75 22·6	75 45·4	75 04·4	75 28·6	75 42·2	75 38·6	74 26·4	75 22·6	
	14	T. M.	74 55·2	75 29·2	75 44·8	75 11·8	75 35·2	75 36·4	75 42·4	74 28·0	75 20·4	
	15	J. W.	74 52·3	75 47·2	75 48·1	75 44·3	75 30·1	75 21·0	75 56·3	74 32·4	75 18·9	
	15	J. W.	74 54·6	75 29·3	75 48·7	74 42·1	75 26·6	75 20·4	75 59·7	74 36·6	75 17·2	
	15	C. J.	75 08·3	75 35·2	75 44·9	74 55·4	75 21·8	75 10·2	75 43·5	75 02·1	75 20·2	
	15	C. J.	75 02·8	75 42·1	75 35·0	74 59·4	75 22·0	75 40·2	75 35·9	74 48·1	75 20·7	75 19·5
	16	T. M.	75 00·0	75 52·4	75 37·6	75 13·6	75 38·1	75 16·0	75 20·8	74 59·2	75 22·2	
	16	T. M.	75 04·8	75 37·4	75 33·6	75 14·0	75 30·0	75 19·4	75 18·2	75 00·0	75 19·7	
	16	J. J.	75 15·5	75 26·0	75 21·4	75 00·0	75 27·6	75 07·3	75 29·7	75 05·3	75 16·6	
	16	J. J.	75 20·8	75 13·2	75 24·9	75 09·6	75 21·2	75 15·0	75 24·9	75 05·9	75 17·0	
	17	C. J.	75 06·7	75 36·9	75 30·2	75 06·7	75 09·2	75 06·6	75 34·2	75 14·3	75 18·1	
	17	C. J.	75 11·9	75 37·2	75 33·4	74 57·6	75 15·5	75 28·9	75 32·7	75 02·3	75 20·0	
February.	16	C. J.	74 55·4	75 47·6	75 35·8	74 50·5	75 11·3	75 33·3	75 27·5	75 04·3	75 18·7	
	16	C. J.	74 55·6	75 42·6	75 27·6	75 01·1	75 14·9	75 28·2	75 22·7	75 05·4	75 17·3	
	17	T. M.	75 13·0	75 31·8	75 39·2	74 49·4	75 13·8	75 18·0	75 31·8	75 09·2	75 18·2	
	17	T. M.	75 02·8	75 27·2	75 45·8	74 53·6	75 24·2	75 27·2	75 32·0	74 59·8	75 19·0	
	18	J. W.	75 09·4	75 32·9	75 34·8	75 09·8	75 11·2	75 25·2	75 48·2	74 42·9	75 19·3	
	18	J. W.	75 09·8	75 36·1	75 46·2	74 59·4	75 13·1	75 13·4	75 42·0	75 04·6	75 20·6	75 18·1
	19	J. J.	75 04·2	75 14·8	75 09·6	75 16·1	75 29·3	75 16·1	75 25·2	74 58·6	75 14·2	
	19	J. J.	75 22·9	75 10·5	75 29·6	75 05·0	75 20·8	75 23·0	75 07·0	75 10·8	75 16·2	
	19	T. M.	75 08·4	75 31·4	75 22·2	75 10·8	75 31·4	75 11·4	75 29·2	75 00·2	75 18·1	
	19	T. M.	75 13·2	75 19·4	75 23·0	75 10·0	75 29·2	75 10·0	75 28·6	75 06·2	75 17·4	
	20	J. W.	75 11·2	75 12·3	75 32·2	74 58·8	75 19·0	75 18·5	75 52·8	75 15·7	75 20·0	
	20	J. W.	75 07·0	75 07·5	75 47·6	74 56·9	75 16·4	75 06·5	75 55·4	75 12·2	75 18·6	
March.	18	J. W.	75 07·8	75 08·2	75 23·3	75 04·3	75 23·9	75 09·4	75 22·2	75 16·2	75 14·4	
	18	J. W.	75 20·9	75 25·9	75 22·2	74 57·9	75 28·0	75 13·1	75 26·8	75 09·0	75 17·9	
	19	J. J.	75 24·2	75 12·6	75 07·8	75 28·2	75 34·4	75 07·4	75 14·0	75 08·4	75 17·1	
	19	J. J.	75 20·0	75 24·0	75 07·1	75 17·3	75 28·8	75 07·0	75 16·6	75 08·5	75 16·2	
	19	T. M.	75 04·6	75 11·8	75 17·4	75 07·0	75 21·0	75 24·0	75 17·2	75 21·6	75 15·5	
	19	T. M.	75 24·0	75 10·0	75 12·0	75 01·6	75 24·8	75 18·0	75 21·0	75 13·0	75 15·5	75 16·7
	20	J. W.	75 19·0	75 11·3	75 23·1	74 57·7	75 25·8	75 29·2	75 20·9	75 07·5	75 16·8	
	20	J. W.	75 11·8	75 11·3	75 32·5	74 56·8	75 21·6	75 33·7	75 19·3	75 10·1	75 17·2	
	20	C. J.	75 15·8	75 11·2	75 25·0	75 04·4	75 26·8	75 27·5	75 33·7	75 00·0	75 18·1	
	20	C. J.	75 14·9	75 25·5	75 25·2	75 00·2	75 22·2	75 20·7	75 32·6	75 07·0	75 18·5	
	21	T. M.	74 51·4	75 18·0	75 23·0	75 08·0	75 29·0	75 21·6	75 18·2	75 21·0	75 16·2	
	21	T. M.	75 22·2	75 10·6	75 19·6	75 00·0	75 23·0	75 22·0	75 27·2	75 12·8	75 17·1	
April.	18	C. J.	75 01·5	75 29·5	75 20·4	75 15·7	75 25·0	75 23·7	75 22·5	75 03·0	75 17·7	
	18	C. J.	75 01·9	75 28·1	75 22·7	75 15·0	75 24·8	75 23·3	75 26·1	75 03·4	75 18·2	
	19	J. J.	75 09·0	75 14·1	75 13·3	75 17·8	75 30·3	75 02·2	75 38·2	75 24·6	75 18·7	
	19	J. J.	75 16·1	75 15·9	75 15·6	75 16·5	75 29·2	74 59·0	75 28·2	75 24·7	75 18·1	
	19	J. W.	75 22·8	75 26·1	75 12·3	75 27·1	75 31·6	75 29·8	75 11·3	74 53·7	75 19·3	
	19	J. W.	75 12·6	75 17·6	75 12·4	75 26·7	75 31·0	75 34·8	75 20·2	74 55·8	75 18·8	75 18·4
	20	J. J.	75 10·0	75 24·2	75 00·2	75 22·5	75 33·3	75 00·4	75 14·4	75 18·3	75 15·4	
	20	J. J.	75 23·5	75 18·9	74 57·4	75 18·2	75 41 6	75 00·0	75 17·2	75 16·7	75 16·7	
	20	T. M.	75 21·9	75 11·2	74 55·7	75 29·2	75 43·7	75 11·0	75 21·4	75 20·4	75 19·3	
	20	T. M.	75 25·1	75 26·6	74 51·2	75 22·8	75 43·4	75 17·0	75 16·4	75 20·8	75 20·4	
	21	J. W.	75 12·9	75 34·1	75 17·1	75 26·0	75 24·1	75 05·1	75 12·9	75 20·9	75 19·1	
	21	J. W.	75 20·7	75 30·0	75 14·0	75 26·0	75 28·9	75 02·5	75 10·5	75 18·9	75 18·9	

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Robinson, No. 2."

Toronto Astron. Time.		Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Poles Direct. Face of Needle. Direct. a'	Poles Direct. Face of Needle. Reversed. a''	Poles Direct. Face of Needle. Reversed. a'''	Poles Reversed. Face of Needle. Direct. b	Poles Reversed. Face of Needle. Direct. b'	Poles Reversed. Face of Needle. Reversed. b''	Poles Reversed. Face of Needle. Reversed. b'''	Inclination.	Monthly Means.
1849.	D.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
May.	15	J. W.	75 23·6	75 28·3	75 10·0	75 00·6	75 14·4	75 12·3	75 23·7	75 32·2	75 18·1	
	15	J. W.	75 16·5	75 27·3	75 13·2	75 03·9	75 29·9	75 16·7	75 14·2	75 16·6	75 17·2	
	16	J. J.	75 16·4	75 17·8	75 10·7	75 21·8	75 32·3	75 02·7	75 21·1	75 12·3	75 16·9	
	16	J. J.	75 16·9	75 16·6	75 11·9	75 23·0	75 32·7	75 10·5	75 19·5	75 15·9	75 17·2	
	16	T. M.	75 10·0	75 22·2	75 13·0	75 23·0	75 25·4	75 09·4	75 22·6	75 13·6	75 17·4	
	16	T. M.	74 51·6	75 27·8	75 18·8	75 22·0	75 43·2	75 00·2	75 18·0	75 09·8	75 16·4	
	17	J. W.	75 15·3	75 15·0	75 29·6	75 27·7	75 43·8	75 08·8	75 27·2	74 59·8	75 20·9	75 18·4
	17	J. W.	75 09·6	75 17·8	75 32·2	75 22·4	75 37·5	75 05·8	75 30·9	75 06·1	75 20·3	
	17	C. J.	75 11·7	75 22·0	75 25·3	75 10·7	75 36·2	75 22·6	75 32·0	75 05·7	75 20·8	
	17	C. J.	75 11·5	75 22·8	75 24·8	75 16·1	75 14·0	75 31·9	75 27·9	75 14·4	75 20·5	
	18	T. M.	75 05·8	75 20·6	75 28·0	75 11·6	75 20·8	75 11·0	75 22·7	75 17·8	75 17·2	
	18	T. M.	75 11·2	75 27·0	75 21·8	75 11·8	75 31·0	75 10·6	75 21·6	75 10·6	75 18·1	
June.	17	J. J.	75 11·1	75 29·2	75 08·4	75 14·1	75 18·7	75 14·4	75 23·2	75 11·1	75 16·2	
	17	J. J.	75 11·6	75 23·4	75 14·0	75 13·7	75 16·0	75 13·8	75 27·2	75 13·2	75 16·6	
	18	J. W.	75 25·4	75 24·4	75 26·5	75 07·0	75 30·6	75 18·3	75 30·8	75 02·5	75 20·6	
	18	J. W.	75 06·0	75 41·8	75 22·9	75 14·0	75 26·1	75 14·4	75 34·6	75 05·3	75 20·6	
	18	C. J.	75 04·5	75 35·4	75 34·8	75 10·4	75 25·2	75 24·2	75 25·4	75 13·4	75 21·7	
	18	C. J.	75 06·3	75 36·0	75 35·7	75 05·0	75 19·1	75 28·3	75 38·5	75 04·3	75 21·7	75 18·5
	19	J. J.	75 09·4	75 29·4	75 32·2	75 02·2	75 27·0	75 10·2	75 48·2	74 47·7	75 18·3	
	19	J. J.	75 19·4	75 28·7	75 02·8	75 16·9	75 19·8	75 22·0	75 29·0	74 52·3	75 16·4	
	19	J. J.	75 21·7	75 23·2	75 25·5	74 57·0	75 26·9	75 27·7	75 12·9	75 14·5	75 18·6	
	19	J. J.	75 14·1	75 30·9	75 24·2	74 51·6	75 26·3	75 31·8	75 16·8	75 08·0	75 17·9	
	20	J. J.	75 18·0	75 34·5	75 22·5	74 59·0	75 27·4	75 20·1	75 23·4	74 49·4	75 16·3	
	20	J. J.	75 14·6	75 31·9	75 25·4	74 57·8	75 22·0	75 10·7	75 38·0	74 53·1	75 16·7	
July.	16	J. J.	75 10·3	75 37·9	75 22·2	75 04·1	75 20·3	75 29·7	75 16·7	75 00·9	75 17·7	
	16	J. J.	75 04·9	75 28·9	75 26·7	74 59·0	75 28·1	75 23·3	75 31·8	75 01·0	75 17·9	
	17	C. J.	75 05·3	75 44·4	75 21·6	75 00·1	75 24·8	75 32·0	75 26·2	74 42·0	75 17·1	
	17	C. J.	75 02·1	75 42·5	75 29·4	74 59·8	75 25·2	75 32·6	75 31·0	74 43·8	75 18·3	
	17	J. W.	74 51·5	75 32·1	75 41·1	74 52·7	75 27·7	75 21·0	75 24·7	74 51·6	75 15·3	
	17	J. W.	75 18·5	75 07·5	75 35·8	74 48·6	75 12·6	75 42·4	75 25·1	74 58·3	75 16·1	75 18·0
	18	J. W.	75 23·2	75 00·0	74 57·6	75 26·9	75 22·9	75 44·8	75 50·9	74 55·3	75 20·2	
	18	J. W.	75 20·0	74 56·4	75 14·8	75 06·4	75 22·2	75 42·2	75 53·0	74 57·7	75 19·1	
	18	J. J.	75 15·7	75 02·9	75 35·9	74 55·4	75 22·8	75 51·9	75 18·2	74 55·6	75 17·3	
	18	J. J.	75 09·8	74 59·3	75 33·3	74 51·3	75 19·6	75 46·2	75 31·1	75 17·8	75 18·5	
	19	T. M.	75 32·9	75 10·0	75 03·8	75 14·2	75 28·7	76 00·8	75 11·4	74 52·6	75 18·0	
	19	T. M.	75 30·4	75 14·8	75 05·4	75 13·2	75 34·6	76 01·8	75 14·2	74 50·6	75 20·6	
August.	15	T. M.	75 47·1	74 53·4	75 02·0	75 13·2	75 34·4	75 51·4	75 12·2	75 00·0	75 19·2	
	15	T. M.	75 35·6	75 02·0	74 57·2	75 13·0	75 31·8	75 52·8	75 14·8	74 55·7	75 17·8	
	16	C. J.	75 42·2	74 48·2	75 11·6	75 10·0	75 37·2	75 43·4	75 02·0	75 09·0	75 17·9	
	16	C. J.	75 24·2	75 13·2	75 06·8	75 08·2	75 39·8	75 44·6	75 20·8	74 56·0	75 19·2	
	16	C. J.	75 09·5	75 46·8	75 21·8	75 09·8	75 10·4	75 20·9	75 23·2	75 02·6	75 16·2	
	17	C. J.	75 01·0	75 50·6	75 33·4	74 59·3	75 19·7	75 24·3	75 35·7	75 00·6	75 20·6	75 19·3
	17	C. J.	75 00·4	75 47·2	75 33·9	75 00·3	75 16·7	75 29·9	75 36·4	75 00·5	75 20·6	
	17	J. W.	75 24·5	74 59·6	75 21·9	75 01·3	75 12·4	75 27·9	75 38·9	75 30·5	75 19·6	
	17	J. W.	75 23·0	75 15·5	75 39·6	74 56·7	75 11·3	75 30·5	75 28·2	75 22·4	75 20·9	
	18	J. W.	75 22·6	75 00·8	75 43·7	74 51·9	75 01·5	75 32·6	75 37·0	75 25·0	75 19·4	
	18	J. W.	75 31·1	75 02·4	75 45·4	74 51·3	75 09·3	75 28·3	75 30·0	75 12·2	75 18·7	

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Robinson, No. 2."

Toronto Astron. Time.		Initials of Observers.	Poles Direct. Face of Needle. Direct.		Poles Direct. Face of Needle. Reversed.		Poles Reversed. Face of Needle. Direct.		Poles Reversed. Face of Needle. Reversed.		Inclination.	Monthly Means.
			a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
1849.	D.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
September.	18	C. J.	75 25·7	75 37·1	75 43·2	75 05·0	75 11·6	75 51·2	75 20·0	75 01·4	75 24·5	
	18	C. J.	75 34·1	75 3 ·5	75 45·2	75 01·0	75 05·2	75 43·1	75 15·9	75 13·1	75 24·1	
	19	C. J.	75 29·9	75 34·2	75 42·7	75 01·0	75 11·6	75 43·4	75 09·2	75 00·9	75 21·6	
	19	C. J.	75 31·0	75 32·9	75 40·6	75 00·4	75 10·7	75 43·4	75 09·5	75 10·9	75 22·4	
	19	J. W.	75 19·5	75 16·2	75·30·9	74 44·2	75 20·8	75 46·2	75 36·0	75 16·1	75 21·2	
	19	J. W.	75 27·3	74 54·2	75·38·6	74 54·0	75 10·7	75 44·8	75 42·1	75 12·7	75 20·5	
	20	J. W.	75 34·9	74 48·8	75 43·9	74 51·5	75 12·7	75 41·2	75 38·4	75 12·9	75 20·5	75 21·6
	20	J. W.	75 25·4	74 51·8	75 44·0	74 50·0	75 14·8	75 41·3	75 27·5	75 20·2	75 19·3	
	20	T. M.	75 36·8	74·55·8	75 40·2	74 58·4	75 07·7	75 41·2	75 21·0	75 19·6	75 20·1	
	20	T. M.	75 23·2	75 00·0	75 44·0	75 05·8	75 11·6	75 36·6	75 39·0	75 19·2	75 22·4	
	21	T. M.	75 07·0	75 00·0	75 52·3	75 10·0	75 12·0	75 30·6	75 40·0	75 20·7	75 21·5	
	21	T. M.	75 09·0	74 54·0	75 50·0	75 10·0	75 06·8	75 47·4	75 37·0	75 13·0	75 20·8	
October.	15	C. J.	75 25·5	74 55·1	75 51·6	74 56·8	75 14·1	75 49·4	75 25·5	74 54·3	75 19·0	
	15	C. J.	75 25·3	74 55·6	75 55·1	74·55·5	75 11·3	75 55·9	75 29·6	74 52·3	75 22·6	
	16	C. J.	75 35·1	74 50·1	75 50·0	74 45·2	75 20·3	75 34·5	75 29·5	75 14·0	75 19·9	
	16	C. J.	75 33·2	74 44·0	75 50·1	74 50·9	75 19·8	75 30·5	75 25·6	75 14·9	75 18·9	
	16	T. M.	75 34·2	74 42·6	75 30·0	74 47·2	75 11·6	75 44·4	75 49·8	75 18·4	75 19·8	
	16	T. M.	75 32·6	74 41·6	75 32·0	74 48·0	75 10·8	75 40·4	75 52·6	75 30·2	75 21·0	75 20·6
	17	J. W.	75 41·8	74·48·9	75 38·2	74 56·1	75 08·0	75 31·9	75 43·3	75 28·8	75 22·1	
	17	J. W.	75 32·7	74 40·1	75 39·2	74 49·8	75 10·8	75 26·2	75 44·7	75 29·0	75 19·0	
	17	J. W.	75 30·9	74 59·7	75 32·4	74 51·4	75 29·8	75 41·5	74 51·3	75 56·2	73 21·6	
	17	J. W.	75 39·6	74 55·7	75 29·9	74 54·5	75 28·6	75 33·9	74 56·1	75 56·6	75 21·8	
	18	T. M.	75 24·0	74 57·0	75 32·6	74 49·6	76 01·6	75 37·8	74 49·4	75 35·4	75 20·9	
	18	T. M.	75 26·7	75 03·8	75 33·2	74 49·4	75 34·4	75 34·2	75 00·0	75 38·8	75 20·0	
November.	15	J. W.	75 46·0	74 45·9	75 29·8	74 48·4	75 14·4	75 39·4	74 51·0	75 44·0	75 17·4	
	15	J. W.	75 39·5	74 49·6	75 40·1	74 43·6	75 16·5	75 55·4	75 46·0	75 22·5	75 24·1	
	16	J. W.	75 44·0	74 56·2	75 40·6	74 46·5	74 50·2	75 58·8	74 50·8	76 00·4	75 20·9	
	16	J. W.	75 38·5	74 55·7	75 38·4	74 46·7	74 51·4	75 58·5	74 57·5	76 01·8	75 21·0	
	16	C. J.	75.34·6	74 37·1	75 45·0	74 55·7	75 38·6	75 22·5	74 56·3	75 57·5	75 20·9	
	16	C. J.	75 39·3	74 35·2	75 44·6	74 53·8	75 26·5	75 44·8	74 58·6	75 45·3	75 21·0	75 20·1
	17	T. M.	75 38·0	74 45·3	75 39·6	74 43·6	75 13·0	75 44·8	74 51·0	75 47·0	75 17·7	
	17	T. M.	75 32·2	74 44·2	75 45·8	74 49·8	75 14·6	75 33·8	74 56·5	75 42·7	75 17·4	
	18	T. M.	75 44·6	74 38·4	75 48·6	74 41·2	75 18·4	75 48·4	75 58·4	75 44·8	75 20·3	
	18	T. M.	75 40·7	74 48·8	75 51·7	74 47·7	75 22·3	75 45·5	75 02·5	75 40·3	75 22·7	
	19	J. W.	75 42·8	74 51·6	75 35·8	74 40·0	75 25·8	75 34·0	74 51·2	75 40·6	75 17·7	
	19	J. W.	75 37·0	74 47·4	75 52·5	74 41·0	75 31·0	75 31·2	74 50·0	75 42·4	75 19·0	
December.	17	T. M.	75 44·2	74 45·9	75 43·4	74 44·4	75 22·9	75 22·3	74 41·4	75 55·6	75 20·0	
	17	T. M.	75 48·0	74 41·7	75 41·4	74 52·6	75 31·2	75 38·8	74 41·2	75 48 8	75 20·4	
	18	J. W.	75 58·1	74 11·0	75 47·1	74 34·9	75 06·6	76·05·1	74 38·4	76 02·0	75 17·9	
	18	J. W.	76 02·6	74 16·9	75 54·0	74 49·4	75 07·2	75 51·5	74 29·1	76 00·0	75 18·8	
	18	C. J.	75 33·0	74 32·0	75 37·0	75 00·6	75 05·6	76 01·8	74 21·2	76 00·4	74 16·5	
	18	C. J.	75 32·4	74 30·9	75 39·4	75 00·5	75 19·1	76 00·4	74 21·7	75 49·8	75 16·7	75 18·1
	19	T. M.	75 50·0	74 35·2	75 36·6	74 40·8	75 25·0	75 43·8	74 46·4	75 59·4	75 17·6	
	19	T. M.	75 45·8	74 42·6	75 35·0	74 39·7	75 28·2	75 44·0	74 46·2	75 38·8	75 17·5	
	19	J. W.	75 37·1	74 49·8	75 38·8	74 48·4	75 11·2	75 49·6	74 30·6	75 53·6	75 17·3	
	19	J. W.	75 43·3	74 52·3	75 32·2	74 54·7	75 06·2	75 53·5	74 33·3	75 56·7	75 19·0	
	20	C. J.	75 49·0	74 40·8	75 36·5	74 44·4	75 12·1	75 45·3	74 35·7	75 55·8	75 17·5	
	20	C. J.	75 46·3	74 43·7	75 33·2	74 47·7	75 14·0	75 46·0	74 39·2	75 52·1	75 17·8	

Observations of Inclination continued from Vol. 1, *p.* 332; *Needle employed* "*Robinson, No.* 2."

	Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Poles Direct. Face of Needle. Direct. a'	Poles Direct. Face of Needle. Reversed. a''	Poles Direct. Face of Needle. Reversed. a'''	Poles Reversed. Face of Needle. Direct. b	Poles Reversed. Face of Needle. Direct. b'	Poles Reversed. Face of Needle. Reversed. b''	Poles Reversed. Face of Needle. Reversed. b'''	Inclination.	Monthly Means.
	1850. D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
January.	15 23	C. J.	75 47·6	74 48·2	75 57·4	74 35·0	74 59·6	75 44·8	75 52·0	75 47·5	75 19·0	
	16 0	C. J.	75 39·1	74 58·6	75 59·9	74 33·2	74 57·5	75 45·1	75 46·5	75 40·2	75 17·5	
	16 2	J. W.	75 39·5	74 53·5	75 37·2	74 47·4	75 18·7	75 48·0	75 11·7	75 35·6	75 21·4	
	16 3	J. W.	75 41·4	74 50·6	75 34·6	74 45·5	75 16·0	75 43·2	75 07·8	75 39·0	75 19·7	
	16 23	C. J.	75 54·4	74 41·0	75 57·4	74 26·0	74 59·0	75 52·2	75 18·1	75 42·3	75 21·3	
	17 0	C. J.	75 52·5	74 43·1	75 55·6	74 32·8	74 58·5	75 54·4	75 21·0	75 38·0	75 22·0	
	17 2	C. J.	75 51·6	74 36·3	75 45·0	74 50·0	74 56·1	75 49·4	75 24·5	75 40·4	75 21·7	75 19·9
	17 3	C. J.	75 49·8	74 39·2	75 42·9	74 53·0	75 00·6	75 45·1	75 31·6	75 32·6	75 21·8	
	17 23	C. J.	75 34·0	74 38·5	75 47·2	74 51·1	74 56·8	75 47·5	75 59·1	75 57·0	75 18·9	
	18 0	C. J.	75 40·5	74 29·0	75 53·3	74 47.0	75 02·1	75 42·7	75 03·3	75 46·3	75 18·1	
	18 2	J. W.	75 37·4	74 35·7	75 49·8	74 41·4	75 28·1	75 34·3	75 09·8	75 37·6	75 19·3	
	18 3	J. W.	75 37·3	74 32·7	75 51·7	74 42·4	75 31·6	75 35·7	75 01·4	75 36·4	75 18·6	
February.	15 23	J. W.	75 24·4	74 44·8	75 49·2	74 38·7	75 25·3	75 43·6	74 44·9	75 59·2	75 18·7	
	16 0	J. W.	75 28·0	74 44·2	75 54·9	74 37·2	75 37·3	75 47·4	74 55·6	75 56·8	75 22·7	
	16 2	T. M.	75 20·2	74 55·2	75 43·4	74 44·0	75 25·1	75 42·2	74 51·0	75 49·8	75 18·8	
	16 3	T. M.	75 17·7	75 00·0	75 42·0	74 43·4	75 22·6	75 38·4	74 52·4	75 54·0	75 18·8	
	17 23	T. M.	75 39·8	74 56·7	75 42·2	74 28·4	75 32·2	75 49·6	74 42·8	75 45·4	75 19·6	
	18 0	T. M.	75 37 0	74 42·6	75 39·7	74 54·0	75 27·0	75 49·8	74 45·5	75 46·6	75 20·2	
	18 2	C. J.	75 18·6	74 46 6	75 50·4	74 47·0	75 13·6	75 47·5	74 52·3	75 41·2	75 17·5	75 18·7
	18 3	C. J.	75 22·0	74 41·7	75 37·2	24 56·1	75 18·9	75 44·2	74 49·0	75 51·7	75 17·6	
	18 23	T. M.	75 46·4	74 39·9	75 42·5	74 49·0	75 11·6	75 49·0	74 48·4	75 17·8	75 15·6	
	19 0	T. M.	75 42·9	74 44·1	75 36·6	74 51·5	75 16·2	75 44.0	74 54·1	75 15·4	75 15·6	
	19 2	Liley.	75 27·0	74 42·1	75 49·7	74 56·6	75 18·5	75 48·5	74 51·6	75 44·5	75 19·9	
	19 3	Liley.	75 35·2	74 55·5	75 53·8	74 37·5	75 19·9	75 46·6	74 38·8	75 50·2	75 19·7	
March.	17 23	Liley.	75 27·1	75 56·1	75 32·2	74 53·6	75 09·3	75 28·3	74 46·4	75 54·5	75 15·9	
	18 0	Liley.	75 35·3	74 46·7	75 45·0	74 35·7	75 34·6	75 38·3	74 45·5	75 37·7	75 17·2	
	18 2	J. W.	75 32·1	74 50·1	75 35·1	74 39·6	75 22·2	75 50·9	74 56·9	75 49·8	75 19·5	
	18 3	J. W.	75 31·1	74 50·7	75 34·5	74 39·6	75 18·8	75 46·4	74 56·4	75 46·2	75 17·9	
	18 23	J. W.	75 41·9	74 51·5	75 41·6	75 01·0	75 04·7	75 20·1	74 38·6	76 00·2	75 17·4	
	19 0	J. W.	75 33·4	74 47·3	75 27·2	74 54·6	75 26·1	75 23·9	74 42·7	76 04·0	75 17·4	75 18·0
	19 2	T. M.	75 43·1	74 41·7	75 17·8	75 02·3	75 34 0	75 20·0	74 41·7	76 03·4	75 18·7	
	19 3	T. M.	75 39·2	74 42·6	75 13·8	75 12·4	75 19·8	75 26·5	74 47·0	76 12·8	75 19·2	
	19 23	T. M.	75 37·4	74 52·2	75 38·1	74 47·2	75 12·0	75 29·6	75 00·6	75 51·0	75 18·5	
	20 0	C. J.	75 29·6	74 55·2	75 31·0	74 47·4	75 20·3	75 44·2	75 11·1	75 20·8	75 17·5	
	20 2	T. M.	75 34·4	74 54·8	75 32·6	74 53·8	75 16·0	75 32·6	75 02·2	75 37·6	75 18·0	
	20 3	T. M.	75 29·2	75 00·0	75 31·2	74 49·2	75 18·9	75 40·6	74 51·8	75 46·8	75 18·4	
April.	16 23	J. W.	75 34·2	74 40·0	75 29·4	74·58·7	75 30·8	75 46·1	74 40·4	76 01·3	75 20·1	
	17 0	J. W.	75 38·5	74 40·8	75 3.·0	74·57·8	75 31·4	75 47·2	74 40·0	75 59·9	75 20·7	
	17 2	T. M.	75 32·2	74 38·2	75 09·2	75 19·4	75 34·6	75 44·0	74 44·7	75 56·2	75 19·8	
	17 3	T. M.	75 30·0	74 42·2	75 03·6	75 18·0	75 28·8	75 44·5	74 35·8	76 01·6	75 19·4	
	17 23	T. M.	75 40·9	74 48·4	75 33·4	75 25·0	75 13·2	75 37·0	75 01·8	75 30·2	75 21·2	
	18 0	T. M.	75 23·4	74 54·2	75 26·2	75 28·6	75 11·4	75 41·4	75 04·0	75 28·2	75 19·6	
	18 2	C. J.	75 41·7	74 53·1	75 30·2	74 41·4	75 15·2	75 35·1	75 02·5	75 40·1	75 19·9	75 19·7
	18 3	C. J.	75 37·9	74 52·6	75 54·9	74 30·9	75 14·4	75 39·9	74 53·9	75 46·0	75 19·9	
	18 23	C. J.	75 35·9	74 52·5	75 57·0	74 35·5	75 19·0	75 47·1	74 52·2	75 52·8	75 21·5	
	19 0	C. J.	75 37·2	74 55·8	75 46·4	74 50·1	75 03·3	75 46·1	74 52·5	76 02·8	75 21·8	
	19 2	C. J.	75 47·8	74 40·3	75 51·6	74 37·2	75 34·1	75 38·4	74 18·0	75 47·6	75 16·9	
	19 3	C. J.	75 41·5	74 54·4	75 52·9	74 31·1	75 07·1	75 36·5	74 43·4	75 36·7	75 15 5	

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Robinson, No. 2."

Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Poles Direct. Face of Needle. Direct. a'	Poles Direct. Face of Needle. Reversed. a''	Poles Direct. Face of Needle. Reversed. a'''	Poles Reversed. Face of Needle. Direct. b	Poles Reversed. Face of Needle. Direct. b'	Poles Reversed. Face of Needle. Reversed. b''	Poles Reversed. Face of Needle. Reversed. b'''	Inclination.	Monthly Means.
1850. D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
May. 18 23	J. W.	75 41·3	74 42·8	75 39·4	74 42·8	75 19·0	75 42·0	74 40·0	76 00·7	75 19·2	
19 0	J. W.	75 43·1	74 38·2	75 41·6	74 46·4	75 15·8	75 46·5	74 37·5	76 08·5	75 19·7	
19 2	Liley.	75 42·5	74 41·6	75 55·0	74 34·8	75 36·2	75 46·7	74 42·0	75 42·6	75 20·1	
19 3	Liley.	75 52·3	74 53·1	76 03·1	74 43·8	75 16·4	75 31·5	74 49·5	75 48·6	75 23·1	
19 23	Liley.	75 48·8	74 49·8	75 55·1	74 30·3	75 18·0	75 43·5	74 31·4	75 47·7	75 18·1	
20 0	Liley.	75 33·2	74 33·7	75 54·7	74 41·3	75 29·4	75 44·7	74 37·3	75 47·5	75 17·7	>75 19·5
20 2	T. M.	75 39·2	74 49·2	75 30·6	74 43·0	75 23·8	75 46·6	75 00·0	75 53·6	75 20·7	
20 3	T. M.	75 39·0	74 42·4	75 29·4	74 48·7	75 32·6	75 36·8	75 00·0	75 50·8	75 19·9	
20 23	C. J.	75 45·6	74 52·4	75 47·5	74 33·5	75 17·9	75 43·2	74 42·5	75 47·5	75 18·8	
21 0	C. J.	75 33·5	74 52·6	75 49·0	74 45·1	75 12·4	75 43·3	74 57·5	75 45·0	75 19·9	
21 2	Liley.	75 34·8	74 54·3	75 42·5	74 32·6	75 14·3	75 47·7	74 46·3	75 48·7	75 17·6	
21 3	Liley.	75 50·0	74 47·4	75 43·8	74 56·0	75 18·5	75 40·1	74 50·5	75 25·7	75 19·4	
June. 16 23	J. W.	75 48·3	74 45·0	75 40·7	74 50·2	75 24·2	75 29·4	74 42·3	75 51·8	75 18·9	
17 0	J. W.	75 41·1	74 41·8	75 52·0	74 56·8	75 30·5	75 25·9	74 38·1	76 00·0	75 20·7	
17 2	T. M.	75 33·3	74 52·6	75 40·5	74 53·2	75 19·2	75 31·2	74 45·5	75 55·4	75 18·8	
17 3	T. M.	75 22·5	74 56·0	75 45·0	74 55·6	75 17·2	75 25·4	74 55·4	75 52·0	75 18·7	
17 23	T. M.	75 51·8	74 50·2	75 37·2	74 49·0	75 06·6	75 26·6	74 51·0	75 51·2	75 17·9	
18 0	T. M.	75 50·0	74 47·4	75 40·5	74 48·2	75 09·8	75 23·4	74 50·0	75 56·0	75 18·1	>75 19·1
18 2	J. W.	75 45·9	74 46·5	75 47·5	74 48·0	75 25·9	75 31·6	74 51·2	75 56·9	75 21·7	
18 3	J. W.	75 49·6	74 42·9	75 51·2	74 46·2	75 19·2	75 24·4	74 47·8	75 59·0	75 20·0	
18 23	Liley.	75 42·7	74 35·0	75 39·2	74 42·1	75 28·3	75 40·4	74 40·3	75 56·8	75 18·1	
19 0	Liley.	75 42·8	74 35·0	75 44·5	74 49·0	75 22·8	75 41·8	74 39·1	75 50·6	75 18·1	
19 2	Liley.	75 46·2	75 03·3	75 48·8	74 41·7	75 13·2	75 49·8	74 54·8	75 33·5	75 21·8	
19 3	Liley.	75 38·7	74 47·0	75 45·0	74 45·9	75 12·9	75 41·5	74 31·8	75 48·0	75 16·3	
July. 15 23	T. M.	75 36·0	74 51·2	75 42·9	74 43·0	75 30·2	75 38·0	74 50·0	75 56·2	75 20·9	
16 0	T. M.	75 28·0	75 01·0	75 43·0	74 44·0	75 26·0	75 34·2	74 52·6	75 53·0	75 20·2	
16 2	Liley.	75 33·1	74 55·0	75 37·5	74 38·0	75 31·8	75 38·4	74 52·0	75 55·8	75 19·7	
16 3	Liley.	75 34·0	74 51·4	75 39·0	74 39·6	75 34·6	75 30·6	74 49·6	75 56·0	75 19·3	
16 23	Liley.	75 42·0	74 28·6	75 41·5	74 48·9	75 14·9	75 46·7	74 43·4	75 49·6	75 19·3	
17 0	Liley.	75 36·7	75 03·8	75 37·0	74 43·6	75 14·4	75 46·9	74 52·8	75 41·4	75 19·6	>75 19·9
17 2	T. M.	75 41·2	74 48·8	75 44·0	74 45·0	75 26·6	75 41·0	74 45·8	75 51·0	75 20·4	
17 3	T. M.	75 35·2	74 45·0	75 51·6	74 45·4	75 29·8	75 28·2	74 51·0	75 57·0	75 17·9	
17 23	Liley.	75 49·5	74 36·1	75 38·0	74 50·1	75 17·9	75 57·5	74 36·5	75 44·3	75 18·8	
18 0	Liley.	75 53·3	74 49·9	75 54·5	74 45·1	75 10·0	75 47·8	74 51·5	75 38·6	75 21·4	
18 2	J. W.	75 22·1	74 50·8	75 41·0	74 57·3	75 15·9	75 44·1	74 55·6	75 53·9	75 20·1	
18 3	J. W.	75 28·5	74 48·5	75 48·6	74 58·9	75 18·3	75 39·6	74 52·6	75 51·4	75 20·8	
August. 16 0	J. W.	75 48·8	74 55·3	75 31·1	74 53·2	75 08·4	75 34·8	74 41·1	75 53·3	75 18·2	
16 2	J. W.	75 45·6	75 07·1	75 06·5	74 49·8	75 10·6	75 48·2	74 37·6	75 57·4	75 17 8	
16 3	J. W.	75 50·8	75 03·9	75 20·4	74 42·5	75 09·6	75 44·2	74 36·1	75 51·8	75 17·4	
16 23	T. M.	75 45·7	75 15·4	75 07·8	74 50·8	75 17·8	75 26·6	74 40·0	75 45·4	75 15·9	
17 0	T. M.	75 39·8	75 11·0	75 11·8	74 47·2	75 24·2	75 22·0	74 39·0	75 39·0	75 14·2	
17 2	C. J.	75 37·3	74 55·0	75 44·0	74 40·0	75 08·0	76 09·3	74 57·5	74 48·5	75 15·0	>75 18·4
17 3	C. J.	75 22·5	74 47·5	75 57·5	74 56·5	74 57·5	75 57·3	75 18·0	75 55·0	75 16·4	
17 23	Liley.	75 45·1	74 55·0	75 34·1	74 47·2	75 53·8	75 43·4	74 49·2	76 01·3	75 24·8	
18 0	Liley.	75 38·2	74 43·9	75 49·6	74 56·2	75 06·1	75 48·9	75 53·1	74 51·0	75 20·7	
18 2	J. W.	75 44·3	74 37·0	75 41·0	75 11·8	75 11·9	75 44·2	75 21·5	75 28·6	75 22·5	
18 3	J. W.	75 39·4	74 35·5	75 42·4	75 06·4	75 08·2	75 40·0	75 15·0	75 30·0	75 19·1	

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Robinson, No. 2."

Toronto Astron. Time.		Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Poles Direct. Face of Needle. Reversed. a'	Poles Direct. Face of Needle. Direct. a''	Poles Direct. Face of Needle. Reversed. a'''	Poles Reversed. Face of Needle. Direct. b	Poles Reversed. Face of Needle. Reversed. b'	Poles Reversed. Face of Needle. Direct. b''	Poles Reversed. Face of Needle. Reversed. b'''	Inclination.	Monthly Means.
1850.	D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
September.	15 23	Liley.	75 46·7	74 49·9	75 42·2	74 57·4	75 06·4	75 53·9	75 13·7	75 26·1	75 22·0	
	16 0	Liley.	75 35·7	74 42·0	75 49·0	75 16·8	75 14·0	76 03·1	74 47·9	75 45·7	75 24·3	
	16 2	J. W.	75 50·8	74 38·3	75 39·0	74 35·0	75 13·2	75 57·8	75 37·4	75 08·8	75 20·0	
	16 3	J. W.	75 45·6	74 35·1	75 36·1	74 30·7	75 10·6	75 59·2	75 34·4	75 13·9	75 18·2	
	16 23	T. M.	75 35·2	74 47·6	75 36·8	74 41·0	75 11·0	75 50·8	75 48·8	75 07·2	75 19·8	
	17 0	T. M.	75 32·8	74 46·8	75 45·0	74 31·4	75 12·6	75 43·2	75 48·2	75 08·5	75 18·6	75 21·0
	17 2	J. W.	75 47·9	74 37·9	75 41·5	74 43·2	74 59·2	75 42·6	75 21·2	75 48·4	75 20·2	
	17 3	J. W.	75 40·2	74 33·6	75 30·6	75 01·0	75 09·1	75 49·8	75 30·2	75 40·8	75 21·9	
	17 23	T. M.	75 35·2	74 44·6	75 41·2	74 50·0	75 14·0	75 46·4	75 43·4	75 18·8	75 21·6	
	18 0	T. M.	75 40·7	74 43·5	75 40·0	75 00·0	75 11·0	75 40·4	75 42·0	75 10·0	75 20·9	
	18 2	C. J.	75 41·2	74 42·6	75 42·8	74 44·2	75 15·9	75 52·5	75 24·3	75 40·6	75 23·0	
	18 3	C. J.	75 42·7	74 42·9	75 41·6	74 42·4	75 09·8	75 52·5	75 29·0	75 32·6	75 21·7	
October.	14 23	T. M.	75 41·0	74 39·8	75 38·4	74 56·0	74 42·6	75 54·3	75 00·0	76 09·5	75 20·2	
	15 0	T. M.	75 34·4	74 48·7	75 49·4	74 59·4	74 39·4	75 59·0	75 02·2	75 58·8	75 21·4	
	15 2	J. W.	75 25·0	75 16·4	75 19·6	74 48·4	74 45·7	75 49·8	75 03·8	76 12·6	75 20·1	
	15 3	J. W.	75 33·4	75 17·4	75 17·4	74 39·5	74 44·6	75 50·2	75 10·6	76 13·6	75 18·3	
	15 23	C. J.	75 25·5	75 22·5	75 52·7	74 35·2	74 42·5	75 55·8	74 58·1	75 57·7	75 21·2	
	16 0	C. J.	75 22·5	75 22·5	75 52·8	74 38·0	74 42·6	75 58·2	74 55·2	75 57·0	75 21·1	75 21·8
	16 2	T. M.	75 09·2	75 29·8	75 42·2	74 45·0	74 41·6	75 47·2	75 05·2	76 10·4	75 21·3	
	16 3	T. M.	75 13·8	75 27·4	75 45·8	74 47·2	74 38·2	75 48·4	75 08·4	76 00·0	75 21·1	
	16 22	C. J.	75 37·5	74 47·3	75 51·0	74 41·1	74 50·6	75 50·6	75 31·7	75 57·5	75 23·4	
	16 23	C. J.	75 41·2	74 47·2	75 46·2	74 52·5	74 41·0	75 51·7	75 34·8	75 55·0	75 23·7	
	17 2	Liley.	75 35·1	74 55·9	75 51·6	74 40·4	75 10·5	75 52·9	75 22·5	75 52·7	75 25·1	
	17 3	Liley.	75 50·6	74 32·9	75 45·9	74 45·8	74 52·2	75 49·0	75 45·7	75 57·3	75 24·5	
November.	16 23	C. J.	75 39·5	75 07·7	75 45·7	74 40·0	74 44·9	75 52·5	74 47·5	75 47·5	75 18·0	
	17 0	C. J.	75 36·4	75 12·0	75 40·2	74 43·2	74 39·8	75 53·0	75 02·0	75 49·2	75 19·6	
	18 23	Liley.	75 44·8	74 41·9	75 52·4	74 54·6	75 04·0	75 50·1	74 39·0	75 50·3	75 19·6	
	19 0	Liley.	75 11·0	75 04·8	75 49·7	75 18·7	75 09·6	75 52·6	75 06·3	75 27·7	75 22·5	
	19 2	C. J.	75 3·5	74 44·0	75 53·5	75 00·0	75 03·9	76 00·2	74 51·5	75 44·0	75 21·3	
	19 3	C. J.	75 [illegible]·0	74 43·0	75 43·0	75 10·5	74 54·6	75 57·8	74 51·5	75 51·2	75 20·8	
	19 23	T. M.	75 34·2	74 49·8	75 45·0	74 56·8	75 04·4	75 57·0	75 00·0	75 37·6	75 21·8	75 21·3
	20 0	T. M.	75 34·3	74 45·0	75 41·8	75 05·6	74 55·4	75 53·8	75 02·4	75 39·0	75 17·4	
	20 2	Liley.	75 38·1	74 48·2	75 43·4	75 03·5	75 08·4	75 56·1	74 53·8	75 49·2	75 21·9	
	20 3	Liley.	75 38·2	74 50·3	75 51·8	75 31·6	74 57·9	76 02·2	75 12·7	74 55·3	75 22·6	
	20 23	Liley.	75 41·7	74 50·2	75 29·6	75 07·5	75 22·0	75 50·4	75 03·3	75 43·9	75 23·5	
	21 0	Liley.	75 41·6	74 57·9	75 50·4	75 11·4	75 18·5	75 45·8	74 47·8	75 46·9	75 25·0	
	21 2	T. M.	75 43·0	75 00·0	75 32·2	74 56·6	75 20·2	75 42·2	75 05·0	75 47·4	75 23·3	
	21 3	T. M.	75 38·2	75 01·8	75 26·4	74 53·1	75 20·2	75 47·0	75 01·0	75 43·0	75 21·3	
December.	15 23	C. J.	75 28·6	75 07·3	75 53·5	74 53·5	75 15·5	75 49·2	75 01·1	75 50·0	75 24·8	
	16 0	C. J.	75 37·7	74 47·5	75 45·0	75 03·5	75 15·0	75 54·8	75 07·6	75 52·5	75 18·0	
	16 2	C. J.	75 37·0	75 01·5	75 30·0	74 55·1	75 11·0	76 00·0	75 12·5	75 52·5	75 24·9	
	16 3	C. J.	75 32·7	75 10·8	75 32·5	74 52·5	75 13·1	76 00·0	75 16·2	75 51·9	75 26·2	
	16 23	Liley.	75 48·1	74 50·7	75 40·9	74 54·5	75 10·5	75 57·8	75 17·1	75 36·9	75 24·5	
	17 0	Liley.	75 37·6	74 49·7	75 57·4	74 50·0	75 50·7	75 57·2	75 15·1	75 48·3	75 23·3	75 22·5
	17 2	J. W.	75 39·6	75 16·9	75 55·4	74 53·0	75 47·8	75 56·7	75 11·2	75 19·8	75 22·5	
	17 3	J. W.	75 35·6	74 52·9	75 53·2	74 56·3	75 50·0	76 00·2	75 12·0	75 32·4	75 21·5	
	17 23	Liley.	75 51·7	74 35·5	75 50·0	74 46·8	75 17·3	75 46·5	74 50·2	75 49·0	75 20·8	
	18 0	Liley.	75 44·8	74 31·7	75 42·3	75 08·2	75 16·8	75 51·9	74 32·1	75 54·1	75 20·2	
	18 2	J. W.	75 52·1	74 38·8	75 43·3	74 56·0	75 06·2	75 39·0	74 56·2	75 59·0	75 21·3	
	18 3	J. W.	75 55·1	74 49·2	75 39·2	75 00·8	74 59·6	75 35·2	74 51·3	76 02·0	75 21·5	

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Toronto Astron. Time.		Initials of Observers.	Poles Direct. Face of Needle. Direct.		Poles Direct. Face of Needle. Reversed.		Poles Reversed. Face of Needle. Direct.		Poles Reversed. Face of Needle. Reversed.		Inclination.	Monthly Means.
			a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
1851.			° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
January.	D. H.											
	14 23	Liley.	75 50·1	75 04·7	75 37·3	74 43·6	74 42·4	75 57·4	75 14·1	75 53·7	75 22·0	
	15 0	Liley.	75 52·2	74 33·4	76 00·4	74 46·6	74 54·3	75 47·6	74 54·8	76 01·2	75 21·3	
	15 2	J. W.	75 41·3	74 52·8	75 36·2	74 55·5	75 16·6	75 51·2	75 01·4	75 42·0	75 22·1	
	15 3	J. W.	75 41·9	74 58·7	75 30·8	74 56·8	75 22·1	75 56·3	74 57·1	75 43·4	75 23·2	
	15 23	J. W.	75 46·5	74 50·0	75 43·5	74 50·7	74 56·4	75 47·9	75 14·0	75 40·2	75 21·1	
	16 0	J. W.	75 37·5	74 55·9	75 51·1	74 47·3	75 03·1	75 49·2	75 09·8	75 43·0	75 22·1	
	16 2	T. M.	75 45·2	74 53·4	75 36·8	75 00·8	74 49·0	75 43·4	75 20·6	75 35·8	75 20·6	75 21·6
	16 3	T. M.	75 33·0	74 54·0	75 42·2	74 56·0	74 57·5	75 46·6	75 19·6	75 34·0	75 20·4	
	16 23	T. M.	75 53·8	74 49·0	75 52·4	74 53·0	74 46·6	75 40·0	75 15·4	75 40·2	75 21·2	
	17 0	T. M.	75 58·2	74 42·2	75 51·0	74 47·9	74 54·8	75 41·0	75 17·0	75 39·6	75 21·4	
	17 2	C. J.	75 48·0	74 47·6	75 45·1	74 57·5	75 00·0	75 41·6	75 12·7	75 47·3	75 22·5	
	17 3	C. J.	75 43·0	74 50·7	75 43·0	74 54·2	75 04·1	75 36·3	75 11·4	75 49·3	75 21·5	
February.	16 23	J. W.	75 57·3	74 34·9	75 59·2	74 53·6	75 01·4	75 34·2	75 01·9	76 03·3	75 23·2	
	17 0	J. W.	76 00·2	74 38·8	75 56·4	74 52·6	75 01·5	75 39·6	75 01·5	75 52·1	75 22·8	
	17 2	T. M.	75 42·2	74 44·6	75 49·4	75 00·0	74 51·6	75 43·6	75 03·0	75 49·0	75 20·4	
	17 3	T. M.	75 38·6	75 00·0	75 41·2	74 50·6	74 59·8	75 51·0	74 56·0	75 49·8	75 20·8	
	17 23	T. M.	75 33·6	74 39·0	75 35·2	74 42·0	74 54·0	75 46·8	75 32·0	75 53·4	75 19·4	
	18 0	T. M.	75 33·0	74 48·6	75 35·8	74 48·2	74 46·8	75 36·2	75 28·6	75 47·7	75 18·1	75 20·0
	18 2	C. J.	75 35·3	74 33·4	75 44·3	75 05·1	75 11·0	75 45·2	75 01·3	75 39·9	75 19·4	
	18 3	C. J.	75 40·2	74 38·6	75 34·6	75 03·9	75 00·8	75 32·5	75 12·6	75 39·1	75 17·8	
	18 23	C. J.	75 35·3	74 57·2	75 38·9	74 39·8	75 10·9	75 46·0	75 11·3	75 23·0	75 17·8	
	19 0	C. J.	75 37·4	75 03·7	75 26·5	74 48·8	75 06·0	75 46·5	75 08·8	75 31·1	75 18·7	
	19 2	Liley.	75 49·6	74 41·0	75 33·5	75 14·4	75 06·6	75 52·2	74 49·0	75 36·7	75 19·4	
	19 3	Liley.	75 51·6	75 03·8	75 42·3	75 54·2	75 13·5	75 48·4	74 45·9	75 34·4	75 21·7	
March.	16 23	J. W.	75 03·7	75 49·2	75 16·1	75 09·6	75 13·1	75 46·3	75 24·0	75 31·6	75 24·1	
	17 0	J. W.	75 12·1	75 18·0	75 52·2	75 10·0	75 21·3	75 36·3	75 30·0	75 18·1	75 24·7	
	17 3	T. M.	75 10·6	75 47·8	75 05·8	75 19·8	75 09·4	75 56·4	75 02·2	75 31·0	75 22·8	
	17 4	T. M.	75 14·4	75 41·6	75 05·2	75 17·0	75 13·8	75 42·4	75 05·0	75 25·2	75 20·5	
	17 23	J. W.	75 12·5	75 16·6	75 54·3	74 39·4	75 09·3	75 44·2	75 16·0	75 38·7	75 21·4	
	18 0	J. W.	75 17·8	75 23·5	76 00·9	74 37·0	75 03·9	75 50·0	75 20·1	75 28·7	75 22·7	
	18 2	T. M.	75 10·8	75 07·0	75 53·0	75 02·6	75 16·6	75 41·6	75 12·6	75 21·5	75 20·7	75 21·5
	18 3	T. M.	75 13·0	75 09·8	75 45·4	75 00·0	75 10·8	75 50·2	75 11·2	75 24·0	75 20·5	
	18 23	C. J.	75 09·8	75 06·1	75 56·1	74 50·6	75 11·7	75 44·9	75 13·3	75 25·1	75 19·7	
	19 0	C. J.	75 10·6	75 20·4	75 39·4	74 55·0	75 04·8	75 50·8	75 14·2	75 25·4	75 20·1	
	19 2	Liley.	75 49·8	74 39·3	75 32·8	74 45·5	75 20·0	75 46·2	75 05·8	75 29·6	75 18·6	
	19 3	Liley.	75 13·8	75 23·0	75 55·8	74 50·4	75 06·6	75 39·0	75 15·8	75 28·8	75 21·6	
April.	14 23	T. M.	75 08·3	75 00·7	75 39·8	74 24·0	75 13·9	75 51·0	75 30·0	75 43·6	75 18·9	
	15 0	T. M.	75 20·7	74 54·8	75 36·6	74 55·0	75 16·4	75 49·8	75 33·0	75 38·8	75 23·1	
	15 2	Liley.	75 13·1	75 01·8	75 29·0	75 00·5	75 00·4	75 54·7	75 38·6	75 47·9	75 23·2	
	15 3	Liley.	75 17·1	75 09·4	75 18·6	75 01·1	75 01·2	75 50·0	75 42·9	75 40·9	75 22·6	
	15 23	Liley.	75 28·7	75 15·4	75 19·0	75 01·8	75 05·8	75 46·0	75 38·0	75 15·0	75 21·2	
	16 0	Liley.	75 21·8	75 16·6	75 21·7	75 05·0	75 03·2	75 48·2	75 39·2	75 14·6	75 21·3	75 21·9
	16 2	C. J.	75 32·3	75 33·0	75 23·2	74 46·0	75 14·3	75 31·5	75 33·9	75 26 8	75 22·6	
	16 3	C. J.	75 30·8	75 36·4	75 30·1	74 40·0	75 13·1	75 39·0	75 28·C	75 28·8	75 23·2	
	16 23	Liley.	75 43·5	75 16·0	75 28·0	74 36·5	75 02·1	75 48·4	75 42·3	75 14·4	75 21·4	
	17 0	Liley.	75 24·1	75 31·9	75 39·2	74 44·8	75 07·5	75 40·7	75 15·5	75 33·1	75 22·1	
	17 2	J. W.	75 46·8	75 26·2	75 53·6	74 28·5	75 09·6	75 40·7	75 11·2	75 15·9	75 21·5	
	17 3	J. W.	75 45·5	75 24·4	75 48·0	74 31·4	75 12·9	75 36·3	75 10·2	75 27·9	75 22 0	

Observations of Inclination continued from Vol. 1, p. 332; Needle employed "Robinson, No. 2."

Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Poles Direct. Face of Needle. Direct. a'	Poles Direct. Face of Needle. Reversed. a''	Poles Direct. Face of Needle. Reversed. a'''	Poles Reversed. Face of Needle. Direct. b	Poles Reversed. Face of Needle. Direct. b'	Poles Reversed. Face of Needle. Reversed. b''	Poles Reversed. Face of Needle. Reversed. b'''	Inclination.	Monthly Means.
1851. D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
May. 14 12	J. W.	75 20·8	75 32·6	75 50·2	74 21·6	75 02·1	75 41·7	75 05·2	75 49·0	75 20·4	
15 0	J. W.	75 23·2	75 38·1	75 51·5	74 24·8	75 05·4	75 42·0	75 11·0	75 41·6	75 22·2	
15 2	J. W.	75 07·2	75 37·4	75 45·2	74 29·4	75 01·8	75 47·1	75 09·2	75 34·9	75 19·1	
15 3	J. W.	75 12·3	75 27·5	75 53·8	74 32·4	74 57·8	75 42·1	75 06·4	75 46·3	75 19·8	
15 23	J. W.	75 13·3	75 25·7	75 53·1	74 18·7	75 03·8	75 40·2	75 32·6	75 35·8	75 20·3	
16 0	J. W.	75 22·7	75 29·2	75 53·7	74 28·3	74 58·8	75 48·1	75 24·5	75 40·6	75 22·1	
16 2	T. M.	75 09·4	75 25·8	75 52·6	74 21·2	74 49·3	75 51·1	75 14·0	75 27·7	75 21·4	75 20·0
16 3	T. M.	75 22·2	75 22·8	75 39·6	74 34·2	74 44·8	75 50·2	75 11·8	75 23·0	75 16·2	
16 23	J. W.	75 09·9	75 26·4	75 50·6	74 29·1	75 18·7	75 29·0	75 20·1	75 36·9	75 20·0	
17 0	J. W.	75 16·9	75 23·1	75 56·6	74 25·9	75 29·0	75 20·1	75 39·0	75 22·5	75 21·6	
17 2	J. W.	75 16·2	75 26·2	75 54·9	74 28·0	75 10·0	75 31·4	75 16·3	75 32·1	75 19·3	
17 3	J. W.	75 07·9	75 34·8	75 49·3	74 31·1	75 03·6	75 24·0	75 29·2	75 24·1	75 17·9	
June. 16 23	J. W.	74 59·8	75 39·7	75 12·1	75 38·0	75 04·1	75 29·2	75 40·3	75 09·9	75 21·6	
17 0	W. T.	75 13·7	75 41·1	75 32·8	74 50·6	75 36·1	75 18·8	75 45·3	74 51·0	75 20·2	
17 2	T. M.	75 16·6	75 24·9	75 32·6	75 21·2	74 56·1	75 47·7	75 12·6	75 33·2	75 21·8	
17 3	T. M.	75 06·0	75 20·3	75 55·7	74 21·7	75 17·0	75 23·7	75 53·3	75 34·1	75 21·4	
17 23	T. M.	75 06·3	75 19·7	75 58·6	74 19·6	75 00·4	75 48·8	75 14·0	75 40·4	75 18·4	
18 0	T. M.	75 11·0	75 13·2	75 53·8	74 20·4	75 00·0	75 56·6	75 20·0	75 36·6	75 19·0	75 20·7
18 2	Liley.	75 50·0	75 41·3	75 11·8	74 32·4	75 07·8	75 47·0	75 34·5	74 55·2	75 19·3	
18 3	Liley.	75 12·4	75 41·4	75 37·7	74 56·9	75 12·9	75 34·4	75 10·5	75 14·9	75 19·3	
18 23	J. W.	75 09·0	75 31·9	75 41·1	74 34·4	75 02·0	75 41·1	75 31·6	75 42·9	75 21·7	
19 0	W. T.	75 13·8	75 38·0	75 47·8	74 37·0	75 11·6	75 43·4	75 04·4	75 37·8	75 19·2	
19 2	T. M.	75 11·6	75 49·5	75 21·0	75 09·2	74 54·6	75 52·2	75 16·0	75 37·2	75 23·9	
19 3	T. M.	75 15·4	75 39·0	75 18·6	75 06·5	74 56·4	75 53·4	75 16·2	75 32·0	75 22·2	
July. 15 0	T. M.	75 05·0	75 31·5	75 51·0	74 26·7	75 02·2	75 43·2	75 03·0	75 29·0	75 16·5	
15 2	J. W.	75 12·2	75 37·5	75 04·1	75 39·6	75 00·6	75 35·0	75 47·6	74 36·7	75 19·1	
15 3	J. W.	74 59·6	75 36·5	75 46·2	74 34·1	75 13·5	75 41·0	75 07·2	75 40·0	75 19·7	
15 23	T. M.	75 04·8	75 32·8	75 52·5	74 31·6	75 11·0	75 41·0	75 13·6	75 33·4	75 20·0	
16 0	T. M.	75 07·0	75 32·2	75 49·8	74 39·6	75 05·5	75 45·6	75 07·2	75 36·8	75 20·5	
16 2	J. W.	75 13·7	75 26·8	75 49·0	74 31·1	75 14·7	75 36·7	75 10·2	75 33·7	75 19·4	75 19·0
16 3	J. W.	75 21·0	75 31·9	75 46·7	74 36·2	75 17·3	75 23·0	75 06·0	75 38·1	75 20·0	
16 23	J. W.	75 07·5	75 31·6	75 45·5	74 39·1	75 12·0	75 36·4	75 11·0	75 37·2	75 20·0	
17 0	W. A. S.	75 02·8	75 30·4	75 47·8	74 28·8	75 06·8	75 33·9	75 12·4	75 31·5	75 16·8	
17 2	W. A. S.	75 03·4	75 37·8	76 05·6	74 20·5	75 05·2	75 40·9	75 07·5	75 36·5	75 19·6	
17 3	W. A. S.	74 58·6	75 32·5	75 41·6	74 23·1	75 04·8	75 44·4	75 20·5	75 30·2	75 17·7	
August. 15 0	W. T.	75 11·8	75 25·0	75 30·0	74 44·2	75 41·2	75 57·3	75 43·0	75 18·8	75 26·4	
15 3	W. T.	75 00·6	75 14·1	75 41·6	74 49·1	75 12·4	75 59·3	75 36·9	75 20·9	75 21·8	
15 4	W. A. S.	75 19·9	75 08·3	74 47·5	74 26·5	75 03·5	75 53·9	76 12·9	75 38·9	75 18·9	
15 22	W. T.	74 55·9	75 32·8	75 42·0	74 34·8	75 04·2	75 42·6	75 13·4	75 26·3	75 16·5	
15 23	W. T.	74 56·0	75 34·4	75 43·8	74 29·0	75 04·8	75 44·2	75 14·2	75 32·7	75 17·4	
16 2	W. A. S.	75 08·4	75 19·9	75 37·6	74 27·6	75 03·0	75 38·1	76 02·5	75 32·9	75 21·2	75 19·8
16 3	W. A. S.	75 03·7	75 31·3	75 43·3	74 31·8	75 03·9	75 43·9	75 21·4	75 45·6	75 20·6	
17 23	W. T.	75 04·8	75 34·0	75 53·1	74 27·7	75 09·9	75 33·5	75 14·2	75 32·6	75 18·7	
18 0	W. T.	75 04·1	75 33·8	75 44·7	74 19·2	75 02·1	75 40·6	75 08·5	75 32·2	75 15·6	
18 2	W. A. S.	75 10·8	75 31·3	75 47·0	74 28·6	75 17·1	75 41·9	75 21·4	75 28·4	75 20·8	
18 3	W. A. S.	75 16·7	75 36·7	75 43·9	74 27·5	74 58·8	75 41·9	75 14·8	75 41·4	75 20·2	

Observations of Inclination continued from Vol. 1, p. 332; Needles employed "Robinson, No. 2."

	Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Poles Direct. Face of Needle. Direct. a'	Poles Direct. Face of Needle. Reversed. a''	Poles Direct. Face of Needle. Reversed. a'''	Poles Reversed. Face of Needle. Direct. b	Poles Reversed. Face of Needle. Direct. b'	Poles Reversed. Face of Needle. Reversed. b''	Poles Reversed. Face of Needle. Reversed. b'''	Inclination.	Monthly Means.
1851.	D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
September.	15 23	W. A. S.	75 07·5	75 36·4	75 47·6	74 34·1	75 03·5	75 42·1	75 17·6	75 36·0	75 20·6	
	16 0	W. A. S.	75 24·9	75 52·3	75 22·9	74 30·4	75 11·9	75 48·5	75 14·5	75 23·7	75 21·2	
	16 2	W. A. S.	75 27·6	75 30·1	75 42·7	74 32·1	75 10·7	75 36·0	75 26·0	75 28·9	75 21·7	
	16 3	W. A. S.	75 10·4	75 40·4	75 43·3	74 38·7	75 08·6	75 40·2	75 19·7	75 25·2	75 20·8	
	17 0	W. T.	75 07·1	75 20·8	75 53·8	74 28·4	75 03·9	75 41·2	75 15·3	75 36·8	75 18·4	
	17 2	W. T.	75 06·4	75 31·3	75 56·6	74 22·3	75 03·2	75 41·1	75 13·7	75 36·0	75 18·8	75 20·8
	17 3	W. T.	75 14·0	75 27·6	75 56·5	74 13·3	75 06·1	75 41·6	75 13·3	75 26·0	75 17·3	
	17 23	J. W.	75 04·0	75 35·7	75 49·2	74 27·9	75 13·6	75 38·8	75 09·7	75 37·9	75 19·6	
	18 0	J. W.	75 04·6	75 37·4	75 55·9	74 28·0	75 13·7	75 40·8	75 11·6	75 37·4	75 21·3	
	18 2	W. T.	75 39·9	75 18·5	75 53·6	74 11·0	75 07·8	75 37·1	75 13·0	75 38·2	75 19·8	
	18 4	W. T.	75 06·8	75 13·0	75 54·6	74 30·4	75 11·8	75 45·9	75 11·7	75 36·9	75 18·9	
October.	15 23	W. T.	75 08·9	75 22·4	75 52·3	74 28·7	75 05·4	75 46·6	75 14·6	75 38·3	75 19·6	
	16 0	W. T.	75 05·5	75 32·2	75 51·8	74 25·9	75 05·3	75 44·6	75 09·8	75 36·7	75 18·9	
	16 2	T. M.	75 27·6	75 22·4	75 46·2	75 37·7	75 13·4	75 31·0	75 19·1	75 21 8	75 19·9	
	16 3	T. M.	75 24·6	75 18·9	75 52·0	74 38·2	75 16·3	75 25·0	75 21·0	75 32·2	75 20·9	
	16 23	J. W.	75 02·4	75 33·4	75 51·4	74 38·4	75 05·0	75 43·0	75 29·8	75 27·0	75 20·0	
	17 0	J. W.	74 57·0	75 35·8	75 54·5	74 24·2	75 11·9	75 39·8	75 28·6	75 28·6	75 20·0	75 20·0
	17 2	W. A. S.	75 08·3	75 31·3	75 53·7	74 33·2	75 06·2	75 36·0	75 18·2	75 39·5	75 20·8	
	17 3	W. A. S.	75 03·3	75 12·6	75 22·5	75 00·0	75 04·6	75 25·9	75 32·6	75 47·0	75 18·6	
	17 22	W. A. S.	75 08·9	75 20·7	75 51·6	74 28·1	75 21·3	75 30·7	75 10·2	75 46·2	75 19·7	
	17 23	W. A. S.	75 02·3	75 12·8	75 24·5	75 04·8	75 11·1	75 40·1	75 23·3	75 41·3	75 20·0	
	17 23	W. A. S.	75 08·5	75 25·3	75 56·4	74 24·2	75 04·1	75 46·7	75 09·8	75 48·2	75 20·4	
	18 0	W. A. S.	75 06·6	75 24·3	75 41·6	74 46·7	75 12·6	75 38·5	75 12·5	75 42·0.	75 20·6	
November.	16 23	W. T.	75 03·5	75 29·4	75 55·7	74 25·6	75 23·9	75 43·2	75 15·7	75 34·9	75 21·4	
	17 0	W. T.	75 07·1	75 33·0	75 53·6	74 25·4	75 05·6	75 46·7	75 16·4	75 40·3	75 21·0	
	17 2	J. W.	75 06·0	75 37·9	75 50·2	74 30·8	75 11·1	75 43·1	75 04·8	75 37·8	75 20·2	
	17 3	J. W.	75 08·8	75 34·2	75 53·0	74 30·0	75 14·3	75 38·9	75 05·6	75 30·2	75 19·3	
	18 0	T. M.	75 06·0	75 29·4	76 00·0	74 26·2	75 11·4	75 48·2	75 02·4	75 35·8	75 19·9	
	18 2	W. A. S.	75 03·2	75 44·2	75 19·3	75 08·6	75 17·7	75 48·7	75 04·9	75 21·5	75 21·0	75 20·4
	18 3	W. A. S.	75 07·4	75 24·3	75 56·6	74 48·1	75 11·6	75 45·7	75 13·6	75 33·5	75 20·8	
	18 23	W. A. S.	75 03·2	75 36·0	75 53·9	74 29·6	75 10·8	75 41·0	75 09·8	75 32·4	75 19·6	
	19 0	W. A. S.	75 18·1	75 23·1	75 53·4	74 21·8	75 02·2	75 47·2	75 17·2	75 35·4	75 19·8	
	19 2	J. W.	75 00·2	75 36·6	75 50·9	74 29·8	75 06·0	75 48·8	75 16·0	75 38·8	75 20·9	
	19 3	J. W.	75 05·9	75 38·3	75 46·3	74 33·8	75 02·8	75 45·3	75 08·7	75 40·6	75 20·2	
December.	14 23	W. T.	75 03·4	75 31·7	75 56·3	74 18·5	75 11·2	75 42·7	75 15·0	75 37·1	75 19·5	
	15 0	W. T.	75 02·1	75 28·1	75 56·9	74 30·0	75 05·9	75 45·2	75 12·1	75 40·5	75 20·1	
	15 2	J. W.	75 03·1	75 27·9	75 51·6	74 22·1	75 10·7	75 53·2	75 44·7	75 04·8	75 19·8	
	15 3	J. W.	75 05·4	75 24·5	75 51·3	74 26·0	75 16·7	75 52·7	75 41·6	75 00·0	75 19·7	
	15 23	W. A. S.	75 04·3	75 31·7	75 52·0	74 31·8	75 00·6	75 52·4	75 10·5	75 27·5	75 18·8	
	16 0	W. A. S.	75 03·2	75 24·8	75 46·7	74 26·9	75 13·4	75 56·3	75 37·3	75 05·2	75 19·2	75 19·4
	16 2	W. T.	75 05·1	75 33·8	75 53·7	74 21·1	75 06·3	75 46·4	75 06·3	75 37·5	75 18·7	
	16 4	W. T.	75 05·4	75 26·7	75 55·6	74 17·9	75 06·7	75 47·7	75 04·8	75 38·5	75 17·9	
	17 23	T. M.	75 06·3	75 29·8	75 58·6	74 23·5	75 11·6	75 42·8	75 14·2	75 30·0	75 19·5	
	18 0	T. M.	75 04·0	75 26·8	76 03·0	74 23·4	75 13·6	75 41·6	75 22·0	75 23·0	75 19·6	
	18 2	J. W.	75 01·1	75 31·2	75 54·9	74 27·0	75 11·7	75 48·0	75 21·0	75 26·4	75 20·2	
	18 3	J. W.	75 12·1	75 21·6	75 49·8	74 29·8	75 18·2	75 41·9	75 24·5	75 20·2	75 19·7	

Observations of Inclination continued from Vol. 1, *p.* 332; *Needles employed "Robinson No.* 2," *and "Gambey No.* 1" *in Gambey Circle.*

	Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct. a	Poles Direct. Face of Needle. Direct. a'	Poles Direct. Face of Needle. Reversed. a''	Poles Direct. Face of Needle. Reversed. a'''	Poles Reversed. Face of Needle. Direct. b	Poles Reversed. Face of Needle. Direct. b'	Poles Reversed. Face of Needle. Reversed. b''	Poles Reversed. Face of Needle. Reversed. b'''	Inclination.	Monthly Means.
	1852. D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
January.	15 23	W. A. S.	75 09·7	75 33·1	75 53·4	74 25·0	75 05·4	75 30·1	75 10·5	75 46·3	75 19·2	
	16 0	W. A. S.	75 13·6	75 26·9	75 42·8	74 23·6	75 02·5	75 47·2	75 07·3	75 50·8	75 19·3	
	16 2	W. T.	75 00·5	75 35·8	75 55·6	74 24·7	75 14·8	75 36·8	75 11·5	75 33·2	75 19·2	
	16 3	W. T.	75 00·9	75 35·7	75 53·5	74 26·6	75 15·2	75 40·9	75 12·8	75 30·9	75 22·0	
	16 23	T. M.	74 55·0	75 39·0	75 43·9	74 23·8	75 32·4	75 41·5	75 13·8	75 24·8	75 19·2	
	17 0	T. M.	74 54·0	75 42·4	75 43·6	74 33·4	75 24·2	75 46·3	75 13·8	75 17·6	75 19·3	
	17 2	J. W.	75 04·6	75 30·8	75 46·1	74 32·2	75 21·5	75 41·8	75 21·4	75 26·1	75 20·5	75 19·3
	17 3	J. W.	75 01·4	75 32·9	75 47·0	74 31·3	75 22·1	75 38·0	75 19·5	75 32·0	75 20·5	
	18 23	W. T	75 10·0	75 26·7	75 56·0	74 19·0	75 10·0	75 43·2	75 10·0	75 30·6	75 18·3	
	19 0	W. T.	75 02·2	75 33·0	75 56·6	74 28·3	75 03·8	75 46·9	75 11·5	75 30·8	75 19·2	
	19 2	T. M.	74 51·2	75 31·6	75 44·2	74 32·0	75 15·0	75 31·8	75 18·2	75 32·4	75 17·0	
	19 3	T. M.	74 53·2	75 37·4	75 38·2	74 30·8	75 07·6	75 36·6	75 22·4	75 36·6	75 17·8	
February.	16 23	J. W.	75 07·0	75 25·6	75 56·4	74 26·2	75 00·7	75 50·5	75 22·2	75 36·1	75 20·6	
	17 0	J. W.	75 16·5	75 30·1	75 59·6	74 29·0	74 55·4	75 50·8	75 16·9	75 35·2	75 21·7	
	17 2	T. M.	75 06·0	75 34·2	75 43·0	74 32·4	74 50·2	75 51·4	75 29·2	75 33·2	75 19·9	
	17 3	T. M.	75 06·4	75 24·0	75 46·0	74 33·6	75 12·4	75 44·6	75 30·7	75 36·8	75 21·8	
	19 0	W. A. S.	75 07·2	75 28·0	75 56·0	74 20·3	75 03·2	75 32·9	75 23·7	75 44·4	75 19·6	
	19 1	W. A. S.	75 09·0	75 38·6	75 48·4	74 30·0	75 04·5	75 42·3	75 17·5	75 32·9	75 20·4	75 19·6
	19 1	W. T.	75 04·1	75 38·7	76 04·1	74 31·6	74 46·4	75 43·7	75 16·2	75 33·9	75 19·8	
	19 3	W. T.	75 06·5	75 40·8	75 56·0	74 30·8	74 42·8	75 44·1	75 13·5	75 20·9	75 16·9	
	22 23	W. A. S.	75 02·6	75 31·8	75 46·4	74 33·8	75 07·8	75 43·7	75 12·1	75 37·5	75 19·5	
	23 0	W. A. S.	75 07·4	74 07·4	77 45·8	73 14·7	74 59·7	75 40·4	75 21·6	75 51·6	75 16·1	
	23 2	W. A. S.	77 04·0	73 31·9	77 45·0	73 09·0	74 07·4	77 29·8	73 36·7	76 17·5	75 22·6[a]	
	23 3	W. A. S.	77 06·6	73 36·6	77 23·2	73 04·5	73 42·0	77 42·6	73 26·8	76 43·3	75 20·7[a]	
	23 23	W. T.	77 04·2	73 54·9	77 36·5	73 27·0	74 08·4	77 09·2	74 10·1	76 30·8	75 30·0[a]	
	24 1	W. T.	77 19·3	73 40·0	77 52·9	73 12·6	74 11·0	76 52·1	74 09·6	76 29·0	75 27·8[a]	
	24 2	W. T.	77 16·3	73 30·4	77 47·2	73 18·0	74 05·0	76 46·9	74 09·0	76 32·6	75 25·7[a]	
	24 4	W. T.	77 14·0	73 35·0	77 44·0	73 09·4	74 11·0	76 46·3	74 11·3	76 29·0	75 25·0[a]	
March.	16 23	T. M.	77 12·4	73 34·3	77 44·5	73 15·5	74 07·2	76 48·2	74 06·2	76 29·0	75 24·6[a]	
	15 0	T. M.	77 16·1	73 30·4	77 44·2	73 25·4	74 04·2	76 33·6	74 13·3	76 30·2	75 24·6[a]	
	15 2	W. T.	77 09·7	73 49·7	77 39·5	73 44·2	74 14·4	77 03·8	74 06·0	76 27·0	75 31·7[a]	
	15 3	W. T.	77 08·6	73 48·2	77 35·6	73 44·3	74 04·9	77 03·0	74 04·9	76 35·8	75 30·6[a]	
	16 1	W. A. S.[b]	76 19·9	76 09·6	76 44·5	75 34·9	74 54·5	75 53·6	76 14·4	76 07·5	75 59·8[a]	
	16 3	T. M.	75 08·6	75 24·4	75 29·1	75 04·2	75 17·9	75 20·8	75 19·1	75 19·8	75 18·0	
	16 23	W. T.	75 09·8	75 23·1	75 30·6	75 06·0	75 20·9	75 20·2	75 29·6	75 14·4	75 19·3	
	17 0	W. T.	75 10·1	75 24·0	75 30·3	75 09·3	75 19·5	75 21·8	75 30·0	75 12·5	75 19·6	75 19·6
	17 2	J. W.	75 12·7	75 27·4	75 31·4	75 12·4	75 17·4	75 17·1	75 32·6	75 15·2	75 20·8	
	17 3	J. W.	75 11·6	75 25·4	75 30·9	75 13·0	75 14·8	75 20·8	75 31·5	75 13·0	75 20·1	
April.	14 23	T. M.	75 09·2	75 29·6	75 30·4	75 12·6	75 20·4	75 24·4	75 28·2	75 13·0	75 21·0	
	15 0	T. M.	75 10·2	75 24·4	75 32·2	75 14·8	75 19·4	75 20·6	75 29·9	75 16·0	75 21·0	
	15 23	W. A. S.	75 11·0	75 27·5	75 24·8	75 15·0	75 18·6	75 27·8	75 29·3	75 12·3	75 20·8	
	16 0	W. A. S.	75 08·3	75 21·6	75 28·2	75 24·0	75 20·1	75 24·2	75 31·5	75 09·4	75 20·9	
	16 2	J. W.	75 10·9	75 27·6	75 29·8	75 08·4	75 20·1	75 20·1	75 30·7	75 13·0	75 20·1	
	16 3	J. W	75 12·4	75 28·5	75 26·3	75 14·4	75 20·4	75 15·4	75 31·0	75 10·3	75 19·8	
	16 23	W. T.	75 09·5	75 26·1	75 27·1	75 11·1	75 20·4	75 21·1	75 31·0	75 11·7	75 20·2	
	17 0	W. T.	75 13·0	75 26·0	75 26·9	75 10·5	75 20·3	75 21·0	75 29·7	75 14·0	75 20·4	75 20·0
	17 2	J. W.	75 00·6	75 26·2	75 30·7	75 09·5	75 17·9	75 19·0	75 29·8	75 13·8	75 19·5	
	17 3	J. W.	75 08·6	75 26·9	75 29·6	75 09·1	75 17·6	75 20·4	75 30·5	75 10·6	75 19·1	
	18 23	W. A. S.	75 06·9	75 26·0	75 29·2	75 10·0	75 17·4	75 35·6	75 24·9	75 08·8	75 19·8	
	19 0	W. A. S.	75 08·8	75 25·8	75 29·1	75 09·5	75 20·1	75 26·6	75 30·4	75 09·0	75 19·9	
	19 2	W. A. S.	75 08·0	75 21·9	75 27·7	75 15·5	75 16·6	75 27·8	75 30·2	75 12·3	75 20·0	
	19 3	W. A. S.	75 10·8	75 23·7	75 27 9	75 13·2	75 04·7	75 27·2	75 33·9	75 15·5	75 19·6	

[a] Not included in the Monthly Means.

[b] Gambey No. 1, again taken into use.

Observations of Inclination continued from Vol. 1, p. 332; Needle employed, "Gambey No. 1."

Toronto Astron. Time.	Initials of Observers.	Poles Direct. Face of Needle. Direct. *a*	Poles Direct. Face of Needle. Reversed. *a'*	Poles Direct. Face of Needle. Reversed. *a''*	Poles Direct. Face of Needle. Reversed. *a'''*	Poles Reversed. Face of Needle. Direct. *b*	Poles Reversed. Face of Needle. Direct. *b'*	Poles Reversed. Face of Needle. Reversed. *b''*	Poles Reversed. Face of Needle. Reversed. *b'''*	Inclination.	Monthly Means.
1852.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
May. p. h.											
16 23	W. A. S.	75 08·2	75 28·6	75 27·0	75 05·2	75 18·2	75 24·0	75 39·4	75 15·5	75 20·7	
17 0	W. A. S.	75 09·9	75 27·0	75 31·0	75 14·0	75 15·2	75 28·0	75 33·2	75 09·7	75 21·0	
17 2	W. A. S.	75 08·2	75 28·6	75 29·2	75 09·2	75 17·3	75 32·1	75 31·4	75 09·6	75 21·0	
17 3	W. A. S.	75 09·6	75 23·8	75 30·6	75 11·6	75 09·4	75 33·4	75 31·2	75 15·0	75 20·6	
17 23	W. T.	75 09·9	75 21·4	75 29·0	75 03·5	75 15·9	75 30·7	75 29·7	75 19·8	75 21 2	
18 0	W. T.	75 09·7	75 23·8	75 28·5	75 08·6	75 17·2	75 28·6	75 28·7	75 19·2	75 20·5	
18 2	W. A. S.	75 12·4	75 19·4	75 31·6	75 11·5	75 10·4	75 30·2	75 32·1	75 19·8	75 20·9	75 19·3
18 3	W. A. S.	75 09·0	75 23·6	75 27·3	75 07·8	75 14·6	75 32·2	75 32·6	75 18·6	75 20·7	
18 23	T. M.	75 11·6	75 22·4	75 29·0	75 08·0	75 12·4	75 29·2	75 31·0	75 19·2	75 20·3	
19 0	T. M.	75 14·8	75 13·8	75 30·8	75 10·4	75 09·8	75 28·8	75 35·0	75 19·6	75 20·4	
19 2	T. M.	75 14·1	75 28·4	75 17·8	75 14·6	75 14·6	75 28·0	75 30·0	75 17·6	75 20·6	
19 3	T. M.	75 15·6	75 29·6	75 21·4	75 08·2	75 12·0	75 30·0	75 33·2	75 20·2	75 21·2	
June.											
15 23	W. T.	75 11·8	75 21·0	75 28·5	75 10·2	75 20·2	75 31·1	75 30·2	75 17·9	75 22·6	
16 0	W. T.	75 12·0	75 23·0	75 27·4	75 10·0	75 19·0	75 27·8	75 29·7	75 17·8	75 20·8	
16 2	T. M.	75 08·6	75 20·8	25 25·1	75 04·4	75 16·6	75 32·2	75 37·2	75 22·4	75 20·9	
16 3	T. M.	75 12·6	75 20·4	75 25·6	75 08·0	75 14·0	75 25·4	75 39·2	75 21·5	75 20·9	
16 23	W. A. S.	75 13·3	75 21·6	75 27·8	75 11·4	75 08·9	75 32·2	75 37·1	75 11·6	75 20·5	
17 0	W. A. S.	75 13·1	75 25·6	75 28·3	75 09·4	75 17·0	75 26·6	75 32·1	75 17·4	75 21·2	75 20·8
17 2	W. A. S.	75 07·2	75 22·4	75 30·0	75 08·9	75 16·6	75 27·3	75 30·4	75 21·9	75 20·6	
17 3	W. A. S.	75 08·3	75 18·2	75 30·2	75 09·5	75 14·8	75 28·6	75 29·5	75 20·3	75 20·1	
17 23	W. T.	75 10·9	75 20·4	75 29·5	75 08·6	75 17·6	75 26·9	75 30·0	75 22·0	75 20·7	
18 0	W. T.	75 09·9	75 21·4	75 26·7	75 09·9	75 17·5	75 27·3	75 29·8	75 21·8	75 20·5	
18 2	W. A. S.	75 07·3	75 20·2	75 29·6	75 11·4	75 17·1	75 27·9	75 30·3	75 20·3	75 20·5	
18 3	W. A. S.	75 12·6	75 19·9	75 27·9	75 11·2	75 11·0	75 27·0	75 31·2	75 20·6	75 20·2	
July.											
15 23	J. W.	75 12·8	75 20·7	75 29·3	75 07·2	75 19·2	75 24·6	75 30·6	75 15·2	75 19·9	
16 0	J. W.	75 15·4	75 23·8	75 23·4	75 06·4	75 24·0	75 22·8	75 32·7	75 17·2	75 20·7	
16 3	W. T.	75 11·2	75 20·6	75 29·8	75 08·5	75 16·5	75 28·3	75 27·3	75 17·4	75 20·0	
16 4	W. T.	75 11·2	75 20·0	75 28·8	75 10·7	75 16·6	75 27·8	75 28·2	75 17·3	75 20·1	
16 23	T. M.	75 09·7	75 24·5	75 27·9	75 04·0	75 17·2	75 29·1	75 28·9	75 21·2	75 20·3	
17 0	T. M.	75 08·0	75 21·4	75 24·2	75 06·2	75 18·8	75 27·6	75 34·4	75 22·6	75 20·3	75 19·9
17 3	W. T.	75 12·4	75 25·8	75 27·9	75 04·4	75 15·2	75 27·3	75 25·2	75 18·0	75 19·4	
17 3	W. T.	75 10·1	75 21·2	75 28·9	75 04·6	75 16·8	75 29·1	75 25·0	75 17·3	75 19·1	
18 23	W. A. S.	75 08·3	75 20·0	75 29·5	75 09·0	75 19·5	75 28·2	75 30·2	75 13·8	75 19·8	
19 0	W. A. S.	75 12·6	75 27·3	75 30·3	75 06·1	75 10·3	75 24·0	75 29·6	75 19·9	75 20·1	
19 2	J. W.	75 12·7	75 21·4	75 25·6	75 05·0	75 12·1	75 32·8	75 30·2	75 17·2	75 19·6	
19 3	J. W.	75 16·4	75 18·8	75 25·8	75 08·9	75 12·1	75 35·2	75 25·0	75 13·7	75 19·5	
August.											
15 22	W. T.	75 11·7	75 21·3	75 27·0	75 05·6	75 16·0	75 25·4	75 27·3	75 18·2	75 19·1	
16 0	W. T.	75 14·6	75 22·6	75 28·3	75 04·4	75 16·2	75 26·8	75 29·4	75 16·6	75 19·8	
16 2	W. A. S.	75 09·6	75 21·6	75 27·6	75 08·6	75 16·8	75 30·6	75 32·1	75 15·2	75 20·3	
16 3	W. A. S.	75 15·0	75 24·6	75 28·2	75 07·0	75 20·6	75 22·8	75 27·2	75 13·4	75 19·9	
16 23	T. M.	75 16·1	75 20·4	75 25·6	75 10·6	75 14·0	75 29·6	75 27·0	75 11·8	75 21·1	
17 0	T. M.	75 14·0	75 17·4	75 26·0	75 11·2	75 11·8	75 31·8	75 28·5	75 12·2	75 19·1	75 20·0
17 2	J. W.	75 10·4	75 17·7	75 14·8	75 25·2	75 16·9	75 16·4	75 31·9	75 20·3	75 19·1	
17 3	J. W.	75 17·5	75 17·9	75 18·1	75 22·7	75 19·6	75 17·9	75 25·8	75 15·8	75 19·4	
17 23	W. T.	75 09·0	75 40·0	75 16·7	75 27·6	75 32·2	75 07·5	75 37·7	75 00·6	75 21·4	
18 0	W. T.	75 03·0	75 38·2	75 17·0	75 25·0	75 32·8	75 09·7	75 36·0	75 00·9	75 20·9	
18 2	T. M.	74 57·0	75 42·0	75 12·0	75 31·4	75 35·9	75 06·6	75 35·8	74 56·0	75 19·6	
18 3	T. M.	75 05·0	75 39·4	75 11·6	75 31·4	75 34·2	75 08·8	75 37·0	74 59·6	75 20·8	

Observations of Inclination continued from Vol. I, p. 332; Needle employed, "Gambey, No. 1."

	Toronto Astron. Time.	Initials of Observers.	Poles Direct, Face of Needle, Direct. a	Poles Direct, Face of Needle, Direct. a'	Poles Direct, Face of Needle, Reversed. a''	Poles Direct, Face of Needle, Reversed. a'''	Poles Reversed, Face of Needle, Direct. b	Poles Reversed, Face of Needle, Direct. b'	Poles Reversed, Face of Needle, Reversed. b''	Poles Reversed, Face of Needle, Reversed. b'''	Inclination.	Monthly Means.
	1852. D. H.		° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
September.	15 23	J. W.	75 05·2	75 36·8	75 20·4	75 23·4	75 33·1	75 09·2	75 40·7	75 00·7	75 21·2	
	16 0	J. W.	75 02·0	75 40·5	75 25·4	75 18·2	75 29·9	75 08·6	75 35·9	75 04·4	75 20·6	
	16 2	W. A. S.	75 04·2	75 39·2	75 18·2	75 23·2	75 31·9	75 08·8	75 37·6	75 06·2	75 21·2	
	16 3	W. A. S.	75 03·4	75 39·5	75 22·2	75 24·5	75 32·2	75 11·2	75 36·2	75 06·2	75 21·9	
	16 23	W. T.	75 06·0	75 40·2	75 19·1	75 28·8	75 36·2	75 08·2	75 36·6	75 00·7	75 21·9	
	17 0	W. T.	74 57·7	75 41·1	75 19·4	75 25·5	75 35·8	76 08·5	75 37·0	75 01·4	75 21·2	
	17 2	T. M.	74 59·8	75 40·7	75 24·0	75 24·4	75 29·2	75 14·7	75 38·2	75 02·6	75 21·7	>75 21·6
	17 3	T. M.	75 04·8	75 40·0	75 22·8	75 20·2	75 30·0	75 10·0	75 41·0	75 03·8	75 22·7	
	17 23	W. A. S.	75 05·6	75 40·8	75 15·2	75 34·6	75 34·8	75 07·8	75 35·2	75 00·4	75 21·8	
	18 0	W. A. S.	75 00·1	75 39·5	75 21·4	75 32·8	75 34·2	75 11·1	75 35·8	75 05 0	75 22·5	
	18 2	T. M.	75 04·8	75 42·8	75 12·0	75 35·0	75 31·6	75 10·4	75 36·4	75 00·5	75 21·6	
	18 3	T. M.	75 04·0	75 41·0	75 16·2	75 29·8	75 30·2	75 12·4	75 37·2	74 56·6	75 20·9	
October.	15 23	T. M.	75 02·5	75 44 6	75 21·5	75 30·2	75 34·0	75 07·0	75 37·2	74 59·4	75 22·0	
	16 0	T. M.	75 04·2	75 42·0	75 20·6	75 31·2	75 30·8	75 10·6	75 36·2	74 55·0	75 21·3	
	16 1	W. A. S.	75 00·1	75 40·9	75 20·1	75 33·5	75 27·4	75 10·2	75 38·8	75 04 2	75 22·0	
	16 2	W. A. S.	75 01·8	75 40·3	75 21·6	75 36·1	75 27·8	75·11·8	75 37·6	75 00·6	75 22·6	
	18 0	J. W.	75 02·1	75 42·3	75 21·4	75 34·2	75 30·8	75 06·0	75 45·0	74 58·5	75 22·5	
	18 2	W. T.	75 04·2	75 40·2	75 23·1	75 29 8	75 34·3	75 06·9	75 43·2	75 00·1	75 22·9	>75 22·2
	18 3	W. T.	75 04·2	75 39·1	75 22·9	75 28·8	75 33·1	75 06·8	75 37·5	75 00·6	75 21·6	
	18 23	T. M.	75 05·8	75 41·5	75 14·9	75 27 0	75 35·0	75 11·2	75 42·4	75 00·4	75 22·2	
	19 0	T. M.	75 05·6	75 39·5	75 15·6	75 29·6	75 30·8	75 16·8	75 42·0	75 04·6	75 23·0	
	19 2	W. A. S.	75 04·4	75 40·7	75 20·7	75 31·9	75 36·0	75 08·2	75 30·5	75 04·2	75 22·2	
	19 3	W. A. S.	75 01·4	75 43·7	75 25·0	75 31·1	75 28·7	75 08·6	75 31·1	75 02·3	75 21·5	
November.	17 23	W. A. S.	75 01·1	75 43·2	75 11·3	75 30·5	75 35·6	75 11·2	75 35·4	75 03·5	75 21·5	
	18 0	W. A. S.	75 02·2	75 47·5	75 14·0	75 30·3	75 27·4	75 10·6	75 36·6	75 07·5	75 22·0	
	18 2	W. T.	75 01·8	75 41·9	75 19·1	75 26·0	75 35·6	75 06 9	75 39·2	75 00·2	75 21·3	
	18 3	W. T.	75 01·8	75 39·3	75 18·8	75 28·3	75 36·5	75 07·6	75 38·9	75 00·5	75 21·5	
	18 23	W. A. S.	74 57·6	75 41·6	75 13·0	75 24·6	75 37·8	75 09·2	75 43·8	75 06·2	75 21·6	
	19 0	W. A. S.	75 03·3	75 37·9	75 12·0	75 31·4	75 35·8	75 12·2	75 40·1	75 03 5	75 22·0	>75 21·3
	19 2	T. M.	75 03·7	75 37·8	75 14·8	75 33·8	75 30·4	75 15·0	75 36·8	75 06·8	75 22·3	
	19 3	T. M.	74 56·4	75 36·0	75 19·4	75 25·4	75 30·4	75 21·4	75 42·2	75 09·0	75 22·5	
	19 23	T. M.	75 05·8	75 39 8	75 08·4	75 23·2	75 30·2	75 08·8	75 39·5	75 02·6	75 19·8	
	20 0	T. M.	75 06·0	75 42·2	75 12·4	75 20·0	75 30·7	75 10·6	75 41·0	74 56·4	75 20·0	
	20 2	J. W.	75 01·8	75 40·1	75 22·1	75 22·8	75 32·0	75 10·6	75 38·1	74 59·9	75 20·9	
	20 3	J. W.	75 02·4	75 43·3	75 15·8	75 26·5	75 32·1	75 06·5	75 40·8	74 56·0	75 20·4	
December.	15 23	W. T.	75 02·3	75 37·8	75 20·0	75 28·8	75 30·2	75 11·8	75 37·2	75 02·0	75 21·2	
	16 0	W. T.	75 02·4	75 37·2	75 16·5	75 27·8	75 31·4	75 08·0	75 38 6	75 02·2	75 20 5	
	16 2	J. W.	74 58·8	75 40·2	75 24·4	75 25·6	75 22 9	75 16·2	75 35·0	74 58·6	75 20·2	
	16 3	J. W.	74 59·9	75 45·0	75 22·8	75 20·5	75 28 5	75 15·8	75 41·8	74 53·8	75 21·0	
	16 23	T. M.	75 05·4	75 32·4	75 27·0	75 13·4	75 27 6	75 12·2	75 41·0	75 02·2	75 20·1	
	17 0	T. M.	75 02·6	75 32·8	75 26·8	75 12·0	75 27·8	75 15·6	75 39·2	75 04·0	75 20·0	>75 21·2
	17 2	W. T.	75 10·9	75 32·1	75 30·2	75 13·4	75 09·7	75 30·8	75 27·8	75 17·9	75 21·6	
	17 3	W. T.	75 11·2	75 31·1	75 30·4	75 14·6	75 10·1	75 29·8	75 27·9	75 18·3	75 21·6	
	17 23	W. A. S.	75 04·2	75 41·9	75 23·5	75 28·5	75 33·2	75 06·4	75 41·4	74 59·8	75 22·3	
	18 0	W. A. S.	75 04·2	75 35·8	75 23·6	75 44 0	75 35·8	75 08·4	75 36·4	75 03·8	75 22·1	
	18 2	T. M.	75 06·6	75 39·8	75 24·2	75 22·0	75 26·2	75 10·4	75 45·2	75 01·0	75 21·9	
	18 3	T. M.	75 03·7	75 44·4	75 27·0	75 18·2	75 25·2	75 11·0	75 41·6	75 02·0	75 21·5	

No. 1."

	Inclination.	Monthly Means.
'	° '	° '
0·7	75 21·2	
4·4	75 20·6	
6·2	75 21·2	
6·2	75 21·9	
0·7	75 21·9	
1·4	75 21·2	75 21·6
2·6	75 21·7	
3·8	75 22·7	
0·4	75 21·8	
5·0	75 22·5	
0·5	75 21·6	
6·6	75 20·9	
9·4	75 22·0	
5·0	75 21·3	
4 2	75 22·0	
0·6	75 22·6	
8·5	75 22·5	
0·1	75 22·9	75 22·2
0·6	75 21·6	
0·4	75 22·2	
4·6	75 23·0	
4·2	75 22·2	
2·3	75 21·5	
3·5	75 21·5	
7·5	75 22·0	
0·2	75 21·3	
0·5	75 21·5	
6·2	75 21·6	
3 5	75 22·0	75 21·3
6·8	75 22·3	
9·0	75 22·5	
2·6	75 19·8	
6·4	75 20·0	
9·9	75 20·9	
6·0	75 20·4	
2·0	75 21·2	
2·2	75 20 5	
8·6	75 20·2	
3·8	75 21·0	
2·2	75 20·1	
4·0	75 20·0	75 21·2
7·9	75 21·6	
8·3	75 21·6	
9·8	75 22·3	
3·8	75 22·1	
1·0	75 21·9	
2·0	75 21·5	

TORONTO, 1845–52.

OBSERVATIONS OF THE ABSOLUTE HORIZONTAL FORCE.

Magnets employed I. 15 suspended 3·00 inches;

Date.		Experiments of Deflection.						Experiments of
		Temperature of Magnet.	Distances. r, r_1, r_m &c.	Angles. u, u', u'', &c. reduced to Temperature of 50°, and mean Bifilar reading on the day of observation.	Bifilar Magnetometer. k=·000087 q=·000234 Sc. Div.	Therm.	Log. Values of $\frac{m}{X}$	Temperature of Magnet.	Time of one vibration corrected for torsion of thread and rate of Chronometer, also reduced to Temperature of 50°, and mean Bifilar reading on the day of observation.	Bif'ar Magnetometer, k=·000087 q=·00023 Sc. Div.	The m.
1845		°	Feet.	° ′ ″		°		°	Seconds.		°
January.	15	63·0	1·0+½ l	11 46 02	565·8	42·6	9·19203	55·0	4·8132	564·1	44·2
		58·5	1·3 ,,	5 51 06	571·3	43·4	9·19315				
	16	58·4	1·0 ,,	11 45 20	568·4	44·5	9·19244	55·0	4·6126	569·5	44·4
		52·8	1·3 ,,	5 50 23	564·4	44·7	9·19216				
	17	52·0	1·0 ,,	11 46 07	581·1	44·9	9·19287	46·4	4·6176	575·3	44·7
		54·7	1·3 ,,	5 49 48	568·9	41·6	9·19146				
February.		56·4	1·0+½ l	11 44 11	592·6	35·7	9·19172				
	14	57·7	1·1 ,,	9 08 27	589·8	35·6	9·19276	56·0	4·8185	576·2	44·6
		55·8	1·2 ,,	7 15 01	587·8	35·4	9·19283				
		54·3	1·3 ,,	5 50 39	583·2	35·4	9·19250				
		64·0	1·0 ,,	11 44 43	576·3	45·9	9·19314				
	15	60·5	1·1 ,,	9 08 30	575·6	45·2	9·19281	57·0	4·8138	586·4	47·0
		58·7	1·2 ,,	7 15 06	573·0	45·5	9·19295				
		58·4	1·3 ,,	5 50 56	572·0	45·5	9·19291				
		57·7	1·0 ,,	11 44 51	579·4	44·6	9·19214				
	17	56·8	1·1 ,,	9 07 45	578·0	44·7	9·19218	46·0	4·8112	561·1	43·4
		55·6	1·2 ,,	7 14 29	578·0	44·7	9·19231				
		55·5	1·3 ,,	5 50 15	575·4	44·7	9·19203				
March.		61·5	1·0+½ l	11 45 12	566·5	49·4	9·19240				
	14	61·3	1·1 ,,	9 08 09	561·7	49·1	9·19256	52·0	4·8163	566·2	49·4
		60·0	1·2 ,,	7 14 25	559·8	49·4	9·19230				
		58·3	1·3 ,,	5 50 33	563·3	49·2	9·19245				
		51·0	1·0 ,,	11 44 06	577·9	39·4	9·19160				
	15	50·9	1·1 ,,	9 07 24	578·2	39·3	9·19195	41·0	4·8176	572·9	39·2
		55·5	1·2 ,,	7 13 52	573·7	39·4	9·19162				
		48·8	1·3 ,,	5 50 09	573·5	39·4	9·19181				
April.		48·3	1·0+½ l	11 38 20	554·6	56·4	9·18805				
	14	48·5	1·1 ,,	9 02 33	551·4	56·2	9·18797	50·1	4·8461	556·4	58·2
		48·5	1·2 ,,	7 10 18	540·0	56·2	9·18802				
		48·6	1·3 ,,	5 46 29	535·1	56·3	9·18725				
		51·3	1·0 ,,	11 37 29	556·9	59·3	9·16757				
	15	51·5	1·1 ,,	9 01 43	558·8	59·2	9·18835	47·0	4·8467	545·9	56·7
		51·5	1·2 ,,	7 09 49	554·8	59·2	9·18758				
		51·7	1·3 ,,	5 46 00	560·0	59·3	9·18670				
		47·0	1·0 ,,	11 36 28	550·7	54·6	9·18688				
	16	47·3	1·1 ,,	9 01 18	549·1	54·7	9·18696	46·0	4·8449	562·4	54·2
		47·8	1·2 ,,	7 09 29	549·3	55·0	9·18719				
		47·8	1·3 ,,	5 46 24	549·0	55·4	9·18716				
May.		68·1	1·0+½ l	11 36 20	541·9	69·5	9·18706				
	13	68·8	1·1 ,,	9 00 49	541·1	69·6	9·18685	66·7	4·8485	550·3	72·5
		68·8	1·2 ,,	7 08 52	540·0	69·6	9·18685				
		68·8	1·3 ,,	5 45 59	539·1	69·6	9·18691				
		62·6	1·0 ,,	11 34 07	537·2	66·9	9·18565				
	14	62·8	1·1 ,,	8 59 54	535·2	66·9	9·18605	58·5	4·8469	535·4	66·7
		63·0	1·2 ,,	7 08 01	530·8	66·8	9·18592				
		62·8	1·3 ,,	5 44 56	232·4	66·8	9·18550				
		50·2	1·0 ,,	11 34 53	547·4	57·5	9·18594				
	15	50·5	1·1 ,,	9 00 03	548·8	57·2	9·18601	51·2	4·8501	556·6	58·3
		50·4	1·2 ,,	7 08 10	547·3	57·0	9·18590				
		50·4	1·3 ,,	5 44 54	547·2	57·0	9·18529				

I. 18 Deflecting 3·67 inches.

Vibration.	Results.					Means.			Monthly Means.		Date.	
				Bifilar.			Bifilar.					
Log. Values of m X	m	X	Mean reading on day of observation.	Temperature.	Values of X	Sc. Div.	Temperature.	Bifilar at 55°	Values of X		
				°							1845	
0·29096	0·5520	3·5401	578·7	43·9							15	January.
	0·5522	3·5392										
0·29106	0·5518	3·5425	577·6	43·9	3·5409	579·1	42·9	542·7	3·5397		16	
	0·5517	3·5437										
0·29016	0·5516	3·5372	581·1	41·0							17	
	0·5507	3·5429										
	0·5507	3·5412										
0·29000	0·5514	3·5369	592·9	37·9							14	February.
	0·5514	3·5363										
	0·5513	3·5380										
	0·5520	3·5389										
0·29086	0·5519	3·5401	582·7	44·9	3·5408	585·9	42·8	547·6	3·5392		15	
	0·5521	3·5397										
	0·5520	3·5399										
	0·5518	3·5448										
0·29132	0·5519	3·5447	582·1	45·6							17	
	0·5519	3·5441										
	0·5518	3·5453										
	0·5511	3·5400										
0·29041	0·5515	3·5395	569·3	47·0							14	March.
	0·5513	3·5404										
	0·5514	3·5398										
	0·5508	3·5424			3·5409	575·2	43·1	552·4	3·5437			
0·29016	0·5510	3·5413	581·1	39·2							15	
	0·5508	3·5422										
	0·5510	3·5414										
	0·5453	3·5359										
0·28504	0·5453	3·5362	550·9	56·0							14	April.
	0·5453	3·5360										
	0·5449	3·5391										
	0·5449	3·5374										
0·28493	0·5448	3·5383	554·0	57·3	3·5387	554·5	55·8	559·1	3·5395		15	
	0·5450	3·5374										
	0·5444	3·5410										
	0·5448	3·5416										
0·28526	0·5451	3·5413	558·6	54·1							16	
	0·5450	3·5403										
	0·5449	3·5404										
	0·5443	3·5382										
0·28462	0·5442	3·5390	543·8	60·4							13	May.
	0·5442	3·5390										
	0·5442	3·5388										
	0·5436	3·5452										
0·2849 1	0·5439	3·5435	546·4	66·4	3·5419	548·9	64·3	571·2	3·5411		14	
	0·5438	3·5441										
	0·5435	3·5458										
	0·5435	3·5416										
0·28433	0·5436	3·5414	556·4	57·2							15	
	0·5429	3·5418										
	0·5431	3·5443										

Magnets employed I. 15 suspended 3·00 inches

Date.	Experiments of Deflection.						Experiments of			
	Temperature of Magnet.	Distances. r, $r+r_1$, $r+r_2$, &c.	Angles. u, u^1, u^{11}, &c. reduced to Temperature of 50°, and mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k=$ ·000087 $q=$ ·000234 Sc. Div.	Therm.	Log. Values of $\frac{m}{X}$	Temperature of Magnet.	Time of one vibration corrected for torsion of thread and rate of Chronometer, also reduced to Temperature of 50°, and mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k=$ ·000087 $q=$ ·00023 Sc. Div.	Therm.
1845	°	Feet.	° ′ ″		°		°	Seconds.		°
June. 14	62·0	1·0+½ l	11 34 31	552·5	68·8	9·18589				
	61·7	1·1 ,,	9 00 16	553·7	68·0	9·18634				
	62·0	1·2 ,,	7 08 10	546·9	68·1	9·18606	63·0	4·8489	566·3	69·2
	62·0	1·3 ,,	5 45 42	544·2	68·2	9·18646				
16	59·4	1·0 ,,	11 32 49	567·2	62·0	9·18479				
	59·6	1·1 ,,	8 58 05	566·4	62·0	9·18526				
	59·5	1·2 ,,	7 07 04	566·3	62·1	9·18510	58·0	4·8501	558·5	61·5
	60·2	1·3 ,,	5 44 34	562·2	62·1	9·18500				
17	58·3	1·0 ,,	11 32 26	569·8	59·8	9·18455				
	58·6	1·1 ,,	8 58 14	570·9	59·8	9·18466				
	58·6	1·2 ,,	7 06 47	567·3	59·8	9·18460	58·0	4·8486	579·6	61·5
	58·6	1·3 ,,	5 43 46	565·1	59·8	9·18397				
July. 14	75·5	1·0+½ l	11 31 42	532·3	83·1	9·18430				
	75·4	1·1 ,,	8 57 33	534·3	83·2	9·18433				
	75·5	1·2 ,,	7 06 25	535·5	82·7	9·18447	76·6	4·8553	535·9	85·6
	75·6	1·3 ,,	5 43 43	532·3	82·7	9·18415				
15	73·6	1·0 ,,	11 30 28	533·6	81·4	9·18362	72·2	4·8631	524·5	81·0
	73·8	1·3 ,,	5 42 47	534·9	81·4	9·18204				
16	73·6	1·0 ,,	11 29 43	524·0	79·8	9·18305	74·3	4·8654	525·6	81·7
	73·8	1·3 ,,	5 42 46	523·2	79·8	9·18204				
August. 15	71·5	1·0+½ l	11 29 44	564·6	73·8	9·18304				
	71·5	1·3 ,,	5 42 37	561·3	73·8	9·18271	69·6	4·8671	560·2	73·5
	69·5	1·0 ,,	11 27 59	554·7	72·9	9·18193				
16	70·0	1·1 ,,	8 54 59	556·5	73·0	9·18220				
	70·3	1·2 ,,	7 04 15	554·5	73·0	9·18219	70·6	4·8722	558·2	75·4
	70·3	1·3 ,,	5 42 15	554·3	73·2	9·18221				
18	74·1	1·0 ,,	11 27 45	557·7	77·4	9·18183				
	74·2	1·3 ,,	5 41 53	559·5	77·4	9·18182	70·4	4·8750	542·9	74·2
September. 16	60·0	1·0+½ l	11 15 49	578·2	62·3	9·17415				
	60·0	1·1 ,,	8 45 11	580·1	62·4	9·17411	60·0	4·9172	577·3	63·0
	60·0	1·2 ,,	6 56 34	587·0	62·1	9·17414				
	60 0	1·3 ,,	5 35 51	579·7	61·7	9·17410	59·0	4·9156	570·4	61·8
17	60·2	1·0 ,,	11 15 27	580·0	60·4	9·17392				
	60·1	1·1 ,,	8 45 08	578·8	60·8	9·17406	58·0	4·9179	571·4	58·1
	60·3	1·2 ,,	6 56 49	588·2	60·5	9·17441				
	60·0	1·3 ,,	5 35 53	582·0	60·0	9·17395	62·0	4·9210	597·7	62·8
18	61·4	1·0 ,,	11 15 37	560·8	65·6	9·17408				
	64·8	1·3 ,,	5 36 09	562·8	65·6	9·17436	62·4	4·9199	555·9	63·3
October. 14	55·3	1·0+½ l	11 21 20	586·7	57·6	9·17747				
	55·0	1·1 ,,	8 49 38	588·5	57·6	9·17767	54·0	4·9027	579·4	56·8
	54·0	1·2 ,,	6 59 48	589·8	57·6	9·17743				
	53·3	1·3 ,,	5 38 19	591·5	57·6	9·17701				
15	50·8	1·0 ,,	11 19 50	592·2	54·0	9·17657	50·5	4·9047	583·0	53·8
	50·8	1·3 ,,	5 38 01	593·1	54·0	9·17658	50·4	4·9037	600·9	54·0
16	46·3	1·0 ,,	11 19 45	594·1	52·2	9·17647				
	47·8	1·3 ,,	5 38 03	594·5	52·2	9·17660	43·4	4·9020	590·3	51·6

I. 18 Deflecting 3·67 inches.

Vibration.		Results.				Means.			Monthly Means.		Date.
				Bifilar.			Bifilar.				
Log. Values of m X	m	X	Mean reading on day of observation.	Temperature.	Values of X	Sc. Div.	Temperature.	Bifilar at 55°	Values of X	
				°						1845
	0·5436	3·5427								
	0·5439	3·5409								
0·28454	0·5437	3·5419	554·9	66·3						14 June.
	0·5439	3 5403								
	0·5428	3·5463								
	0·5429	3·5448								
0·28433	0·5430	3·5450	567·0	60·7	3·5452	563·1	62·7	587·5	3·5463	16
	0·5429	3·5454								
	0·5428	3·5485								
	0·5429	3·5479								
0·28459	0·5428	3·5481	567·2	61·1						17
	0·5424	3·5507								
	0·5418	3·5445								
	0·5419	3·5443								
0·28339	0·5420	3·5437	534·7	82·7						14
	0·5118	3·5451								
	0·5405	3·5416								
0·28201	0·5402	3·5444	534·2	80·6	3·5436	535·4	81·5	595·8	3·5403	15 July.
	0·5402	3·5423								
0·28159	0·5402	3·5427	537·3	81·3						16
	0·5398	3·5411								
0·28128	0·5396	3·5424	556·5	71·3						15
	0·5385	3·5415								
	0·5387	3·5404								
0·28028	0·5387	3·5404	553·2	73·7	3·5408	553·2	73·6	602·3	3·5405	16 August.
	0·5387	3·5403								
	0·5381	3·5402								
0·27987	0·5381	3·5403	549·9	75·7						18
	0·5289	3·5416								
0·27250	0·5289	3·5417	579·7	61·2						16
	0·5289	3·5415								
0·27267	0·5282	3·5425								
	0·5284	3·5403								
0·27226	0·5285	3·5397								
	0·5288	3·5382	573·0	61·1	3·5403	573·1	62·6	593·0	3·5402	17 September.
0·27170	0·5291	3·5401								
	0·5285	3·5394								
0·27192	0·5287	3·5382	566·7	65·4						18
	0·5324	3·5379								
	0·5326	3·5371								
0·27495	0·5325	3·5381	590·0	56·4						14
	0·5322	3·5398								
0·27461	0·5318	3·5406								
0·27478	0·5318	3·5405	594·7	52·6	3·5398	593·2	53·7	594·2	3·5412	15 Otober.
0·27508	0·5320	3·5425								
	0·5321	3·5420	594·9	53·0						16

CE.

loyed I. 15 suspended 3·00 inches;

Experiments of		
s of one vibration corrected ression of thread and rate of nometer, also ed to Temperature of 50°, and Bifilar reading on the day observation.	Bifilar Magnetometer. $k = .000087$ $q = .00024$	
	Sc. Div.	Therm.
Seconds.		°
4·8489	566·3	69·2
4·8501	558·5	61·5
4·8486	579·6	61·5
4·8553	535·9	85·6
4·8631	524·5	81·0
4·8654	525·6	81·0
4·8671	560·2	73·5
4·8722	558·2	75·4
4·8750	542·9	74·2
4·9172	577·3	63·0
4·9156	570·4	61·8
4·9179	571·4	58·1
4·9210	597·7	62·8
4·9199	555·9	63·3
4·9027	579·4	56·8
4·9047	583·0	53·8
4·9037	600·9	54·0
4·9020	590·3	51·6

Magnets employed I. 15 suspended 3·00 inches;

Date.			Experiments of Deflection.						Experiments of			
			Distances.	Angles.	Bifilar Magnetometer.		Log. Values of $\frac{m}{X}$		Time of one vibration co-vectal for torsion of thread and rate of Chronometer, also reduced to Temperature of 50°, and mean Bifilar reading on the day of observation.	Bifilar Magnetometer.	
		Temperature of Magnet.	$r, r_1, r_{11}, \&c.$	$u, u^1, u^{11}, \&c.$ reduced to Temperature of 50°, and mean Bifilar reading on the day of observation.	$k = \cdot000087$ Sc. Div.	$q = \cdot000234$ Therm.		Temperature of Magnet.		$k = \cdot000087$ Sc. Div.	$q = \cdot000234$ Therm.
1845		°	Feet.	° ′ ″		°		°	Seconds.		
November.	13	47·8	1·0+½ l	11 19 13	595·2	54·0	9·17621	48·8	4·9053	603·7	54·8
		48·0	1·3 ,,	5 37 25	594·8	54·0	9·17574				
	14	47·8	1·0 ,,	11 17 09	592·0	54·1	9·17489	48·0	4·9118	603·8	55·1
		48·0	1·3 ,,	5 36 42	590·8	54·2	9·17492				
	15	46·2	1·0 ,,	11 17 29	586·8	54·2	9·17513	46·4	4·9141	594·3	54·_
		46·0	1·3 ,,	5 37 07	586·0	54·5	9·17547				
December.	15	38·8	1·0+½ l	11 09 29	596·7	45·5	9·16985	36·5	4·9427	601·6	45·3
		37·8	1·3 ,,	5 32 55	587·7	45·5	9·17005				
	16	48·2	1·0 ,,	11 08 24	598·8	45·4	9·16927	53·0	4·9488	607·4	46·3
		59·3	1·3 ,,	5 33 00	598·8	45·0	9·17021				
	17	48·4	1·0 ,,	10 45 42	603·2	45·9	9·15450	51·8	5·0321	602·9	46·5
		48·7	1·1 ,,	8 21 26	602·6	45·8	9·15405				
		49·0	1·3 ,,	5 20 50	601·5	45·9	9·15398				
	18	39·8	1·0 ,,	10 45 16	597·3	49·5	9·15431	38·8	5·0171	597·1	49·6
		39·8	1·2 ,,	6 38 14	595·0	49·4	9·15468				
1846											
January.		65·8	1·0+½ l	10 50 52	606·1	44·4	9·15809	68·0	4·9980	607·4	42·5
	14	64·7	1·1 ,,	8 25 44	606·7	44·9	9·15779				
		65·3	1·3 ,,	5 23 16	606·8	44·2	9·15745	57·0	5·0187	601·3	47·9
		56·2	1·0 ,,	10 48 32	613·1	48·3	9·15643	48·0	5·0130	615·3	46·8
	15	56·1	1·2 ,,	6 39 50	612·5	48·3	9·15644				
		59·2	1·3 ,,	5 22 51	612·5	48·2	9·15681	50·7	5·0160	610·7	50·5
	16	47·2	1·3 ,,	5 22 58	609·1	39·0	9·15614	37·2	5·0227	601·2	49·0
	17	44·5	1·0 ,,	10 49 54	603·5	39·0	9·15718	51·4	5·0204	609·9	38·0
		45·0	1·1 ,,	8 24 35	605·0	39·0	9·15666				
	22	49·5	1·0 ,,	10 48 22	617·3	37·1	9·15623	40·1	5·0215	610·9	37·9
February.		57·9	1·0+½ l	10 52 06	614·5	45·8	9·15883				
	14	55·6	1·1 ,,	8 27 27	611·6	45·9	9·15909	63·0	5·0149	608·0	43·4
		53·2	1·2 ,,	6 42 43	612·4	46·4	9·15946	54·0	5·0142	615·4	47·5
		54·9	1·3 ,,	5 24 10	608·6	45·7	9·15852				
	16	58·2	1·0 ,,	10 51 47	604·0	44·6	9·15858	44·0	5·0145	613·2	43·7
		58·3	1·1 ,,	8 26 02	607·0	44·5	9·15808	53·5	5·0162	605·6	44·5
		57·0	1·2 ,,	6 41 53	608·6	45·0	9·15861				
	17	59·0	1·0 ,,	10 50 44	605·6	47·2	9·15791	52·0	5·0171	605·1	46·2
		59·9	1·1 ,,	8 25 34	605·0	47·0	9·15770	62·0	5·0173	598·5	47·7
March.		41·8	1·0+½ l	10 43 22	583·8	54·1	9·15281	41·8	5·0514	564·4	54·0
	14	41·7	1·1 ,,	8 20 22	577·1	54·1	9·15269	42·2	5·0483	592·0	54·4
		42·7	1·0 ,,	10 43 42	588·7	47·2	9·15304	35·0	5·0463	594·3	46·1
	16	46·1	1·1 ,,	8 20 22	585·4	47·1	9·15277	48·0	5·0444	602·1	47·9
		46·8	1·2 ,,	6 36 55	582·4	47·0	9·15310				
	17	55·0	1·0 ,,	10 38 57	590·3	45·3	9·15002	40·0	5·0438	594·9	43·4
		55·6	1·1 ,,	8 16 44	586·3	45·2	9·15003				
	18	55·3	1·3 ,,	5 17 47	589·9	45·0	9·14992	58·5	5·0623	607·7	47·4
		54·0	1·0 ,,	10 38 36	590·2	48·4	9·14977	44·6	5·0601	588·1	47·2
		53·0	1·1 ,,	8 16 51	589·3	48·5	9·15011	50·0	5·0604	606·2	51·6
April.		67·8	1·0+½ l	10 34 37	589·2	49·5	9·14704	61·2	5·0785	589 6	49·5
	15	67·9	1·1 ,,	8 13 34	586·4	49·6	9·14722				
		67·7	1·2 ,,	6 31 07	586·2	49·6	9·14679	60·3	5·0806	599·7	50·1
		62·0	1·0 ,,	10 34 24	579·9	55·0	9·14696	52·0	5·0791	580·8	53·0
	17	62·7	1·1 ,,	8 13 18	580·6	55·3	9·14704				
		63·2	1·2 ,,	6 31 26	582·3	55·4	9·14719	61·5	5·0812	605·1	56·8
		49·4	1·0 ,,	10 34 54	570·7	56·1	9·14730	47·5	5·0828	570·8	55·4
	18	49·5	1·2 ,,	6 31 44	569·1	56·1	9·14755	49·8	5·0820	579·1	56·6

I. 18 Deflecting 3·67 inches.

Vibration.	Results.				Means.			Monthly Means.		
			Bifilar.			Bifilar.				
Log. Values of m X	m	X	Mean reading on day of observation.	Temperature.	Values of X	Sc. Div.	Temperature.	Bifilar at 55°	Values of X	Date.
				°			°			1845
0·27450	0·5314	3·5412	600·1	54·0						13 November.
	0·5312	3·5427								
0·27235	0·5293	3·5378	598·8	54·2	3·5394	599·2	53·8	588·0	3·5370	14 November.
	0 5293	3·5376								
0·27294	0·5298	3·5393	598·7	53·3						15 November.
	0·5300	3·5379								
0·26790	0·5235	3·5403	607·4	43·9						15 December.
	0·5237	3·5396								
0·26684	0·5226	3·5383	607·9	45·2						16 December.
	0 5231	3·5345								
0·25223	0·5052	3·5389	607·3	47·9	3·5415	606·9	46·1	578·5	3·5401	17 December.
	0·5049	3 5407								
0·25493	0·5049	3·5410	604·9	47·5						18 December.
	0·5066	3·5057								
	0·5068	3·5492								
										1846
0·25823	0·5096	3·5413								
	0·5094	3·5425	609·3	45·7						14 January.
0·25457	0·5092	3·5439								
0·25554	0·5080	3·5435								
	0·5080	3 5435	611·7	49·5						15 January.
0·25502	0·5083	3·5419			3·5411	615·7	42·3	584·4	3·5419	
0·25378	0·5074	3·5405								16 January.
	0·5080	3·5363								
0·25426	0·5077	3·5384	616·7	36·5						17 January.
0·25399	0·5072	3·5390	625·0	37·5						22 January.
	0·5099	3·5359								
0·25628	0·5099	3·5347	609·7	44·5						14 February.
0·25535	0·5102	3·5333								
	0·5096	3·5371								
	0·5089	3·5321								
0·25424	0·5086	3·5341	609·0	44·0	3·5346	609·5	44·8	580·7	3·5341	16 February.
0·25462	0·5090	3·5318								
0·25484	0·5087	3·5359	609·9	45·8						17 February.
0·25485	0·5086	3·5366								
0·24856	0·5025	3·5331	588·2	51·7						14 March.
0·24939	0·5024	3·5336								
0·24978	0·5031	3·5356								
0·25009	0·5029	3·5366	598·2	46·8						16 March.
	0·5031	3·5343								
0·25015	0·5005	3·5426			3·5377	595·0	48·9	588·4	3·5406	
	0·5005	3·5420	594·3	46·6						17 March.
0·24712	0·5005	3·5433								
0·24738	0·4996	3·5385	599·3	50·6						18 March.
0·24743	0·4998	3·5372								
0·24432	0·4962	3·5363								15 April.
	0·4963	3·5356	594·8	49·8						
0·24395	0·4961	3·5373								
0·24417	0·4961	3·5362								17 April.
	0·4961	3·5399	592·4	54·9	3·5357	591·6	52·7	591·8	3·5376	
0·24386	0·4962	3·5353								81 April.
0·24351	0·4960	3·5331	587·6	53·5						
0·24367	0·4962	3·5320								

Magnets employed I. 15 suspended 3·00 inches;

Date.			Experiments of Deflection.						Experiments of			
			Temperature of Magnet.	Distances. r, r_1, r_2, &c.	Angles. α, α_1, α_2, &c. reduced to Temperature of 50°, and mean Bifilar reading on the day of observations.	Bifilar Magnetometer. $k = \cdot000087$ $q = \cdot000234$ Sc. Div.	Bifilar Magnetometer. Therm.	Log Values of $\frac{m}{X}$	Temperature of Magnet.	Time of one vibration corrected for torsion of thread and rate of Chronometer, also reduced to Temperature of 50°, and mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k = \cdot000087$ Sc. Div.	Bifilar Magnetometer. $q = \cdot000234$ Therm.
1846			°	Feet.	° ′ ″		°		°	Seconds.		°
May.		13	56·8	1·0+½ l	10 33 57	574·0	59·6	9·14666	49·5	5·0817	567·6	57·8
			57·0	1·1 ,,	8 12 54	572·3	59·7	9·14672				
			57·1	1·2 ,,	6 30 56	571·3	59·7	9·14667	57·1	5·0834	598·4	62·9
		14	59·5	1·0 ,,	10 34 07	563·0	65·5	9·14682	55·5	5·0839	553·1	63·7
			59·3	1·1 ,,	8 13 15	556·8	65·5	9·14705				
			59·3	1·2 ,,	6 30 58	558·8	65·6	9·14674	58·5	5·0842	583·6	66·8
		16	58·5	1·0 ,,	10 33 58	574·8	63·2	9·14671	51·2	5·0827	568·0	61·5
			58·5	1·2 ,,	6 30 56	574·4	63·2	9·14668	56·8	5·0828	589·0	64·8
June.		16	65·5	1·0+½ l	10 31 44	567·3	71·3	9·14528	61·5	5·0861	561·6	71·0
			65·7	1·2 ,,	6 29 44	569·2	71·3	9·14544	63·0	5·0847	575·4	71·5
		17	64·8	1·0 ,,	10 32 08	563·0	70·3	9·14525	61·1	5·0854	563·4	69·5
			65·3	1·2 ,,	6 29 33	559·6	70·4	9·14525	63·6	5·0859	587·1	72·5
		18	67·0	1·0 ,,	10 31 27	571·1	72·0	9·14511	62·5	5·0854	569·5	71·2
			66·6	1·2 ,,	6 29 11	570·3	72·0	9·14485	64·9	5·0864	577·2	73·9
July.		14	65·6	1·0+½ l	10 30 34	572·2	70·7	9·14448	60·9	5·0907	563·6	70·7
			65·6	1·2 ,,	6 28 53	573·5	70·7	9·14448	64·0	5·0914	589·3	70·7
		15	63·3	1·0 ,,	10 31 03	580·4	66·7	9·14479	60·9	5·0936	569·4	66·3
			63·8	1·2 ,,	6 29 14	578·3	66·7	9·14486	62·4	5·0907	585·4	67·0
		16	65·4	1·0 ,,	10 28 58	580·1	66·4	9·14340	62·7	5·0936	566·5	66·0
			65·7	1·2 ,,	6 29 20	578·5	66·4	9·14500	64·6	5·0899	587·1	67·2
August.		13	75·0	1·0+½ l	10 29 33	566·5	77·7	9·14392	70·7	5·1016	546·0	75·9
			75·4	1·1 ,,	8 09 10	567·3	77·7	9·14368				
			75·6	1·2 ,,	6 28 11	565·5	77·7	9·14385	73·2	5·1016	591·0	78·5
		14	73·7	1·0 ,,	10 29 20	559·3	77·2	9·14375	70·6	5·1034	535·0	76·8
			73·9	1·1 ,,	8 09 11	563·3	77·3	9·14366				
			74·1	1·2 ,,	6 27 57	566·2	77·3	9·14356	72·7	5·1026	560·5	78·2
		15	74·1	1·0 ,,	10 29 47	556·7	77·4	9·14405	70·3	5·1029	554·4	76·3
			74·5	1·1 ,,	8 09 26	554·9	77·3	9·14388				
			74·5	1·2 ,,	6 28 12	555·6	77·3	9·14384	73·0	5·1051	583·2	79·6
September.		14	75·7	1·0+½ l	10 27 22	554·0	77·9	9·14243	72·0	5·1141	550·4	76·2
			75·8	1·1 ,,	8 07 52	551·8	77·9	9·14252				
			76·0	1·2 ,,	6 26 53	550·4	77·8	9·14242	75·0	5·1148	575·9	79·9
		15	66·3	1·0 ,,	10 27 08	566·7	72·5	9·14215	66·8	5·1126	559·0	73·0
			66·4	1·1 ,,	8 07 42	566·0	72·4	9·14226				
			66·5	1·2 ,,	6 27 11	566·0	72·4	9·14262	65·1	5·1104	588·3	72·3
		16	66·1	1·0 ,,	10 27 22	585·5	68·1	9·14231	63·9	5·1114	583·4	67·8
			66·3	1·1 ,,	8 07 39	585·0	68·2	9·14222				
			66·4	1·2 ,,	6 26 55	586·2	68·2	9·14232	65·1	5·1106	593·7	68·7
October.		12	59·9	1·0+½ l	10 26 36	590·3	60·9	9·14171	55·6	5·1160	596·3	59·8
			60·3	1·1 ,,	8 06 54	594·0	60·9	9·14148				
			60·4	1·2 ,,	6 26 29	591·1	60·9	9·14177	58·5	5·1180	596·4	63·2
		13	58·2	1·0 ,,	10 27 08	587·0	60·7	9·14205	56·6	5·1179	584·6	60·7
			58·7	1·1 ,,	8 07 26	588·7	60·7	9·14192	55·2	5·1159	601·4	59·0
			58·9	1·2 ,,	6 26 40	588·7	60·7	9·14195				
		14	55·3	1·0 ,,	10 26 29	601·1	57·8	9·14157	52·2	5·1158	597·5	57·1
			55·8	1·1 ,,	8 06 58	601·1	57·9	9·14147	53·3	5·1168	606·8	58·6
			56·0	1·2 ,,	6 26 15	599·9	58·0	9·14144				

I. 18 Deflecting 3·67 inches.

Vibration. Log Values of m X	Results. m	X	Bifilar. Mean reading on day of observation.	Bifilar. Temperature.	Means. Values of X	Bifilar. Sc. Div.	Bifilar. Temperature.	Monthly Means. Bifilar at 55°	Monthly Means. Values of X	Date.
				°			°			1846
0·24371	0·4954	3·5357	577·9	61·4						13 May.
	0·4957	3·5354								
0·24346	0·4957	3·5356								
0·24337	0·4956	3·5340	570·7	65·2	3·5349	576·7	63·4	602·1	3·5357	
	0·4957	3·5330								14 May.
0·24333	0·4955	3·5344								
0·24356	0·4956	3·5354	581·6	63·6						16 May.
	0·4956	3·5354								
0·24315	0·4945	3·5395	577·8	70·4						16 June.
0·24315	0·4946	3·5389								
0·24310	0·4947	3·5382	574·6	71·5	3·5395	574·3	71·6	613·5	3·5379	
0·24310	0·4945	3·5395								17 June.
0·24307	0·4944	3·5399	570·6	72·8						
0·24307	0·4942	3·5409								18 June.
0·24218	0·4935	3·5388	578·9	69·0						14 July.
	0·4935	3·5388								
0·24199	0·4936	3·5368	584·6	66·3	3·5383	582·1	67·2	622·8	3·5407	
	0·4937	3·5365								15 July.
0·24208	0·4929	3·5428	582·7	66·4						
	0·4938	3·5363								16 July.
	0·4922	3·5340								
0·24045	0·4921	3·5350	563·6	77·0						13 August.
	0·4922	3·5343								
	0·4920	3·5337								
0·24020	0·4919	3·5341	562·5	76·8	3·5336	563·4	76·7	624·5	3·5344	14 August.
	0·4919	3·5346								
	0·4921	3·5318								
0·24004	0·4920	3·5325	564·2	76·4						15 August.
	0·4920	3·5327								
	0·4901	3·5313								
0·23827	0·4901	3·5309	564·7	77·6						14 September.
	0·4901	3·5313								
	0·4902	3·5343								
0·23872	0·4903	3·5318	579·8	71·0	3·5329	577·7	72·1	621·2	3·5322	15 September.
	0·4905	3·5323								
	0·4904	3·5339								
0·23880	0·4903	3·5343	588·6	67·6						16 September.
	0·4904	3·5339								
	0·4895	3·5320								
0·23774	0·4894	3·5329	597·3	61·5						12 October.
	0·4895	3·5318								
	0·4897	3·5307								
0·23775	0·4896	3·5312	598·3	58·5	3·5322	600·5	59·1	606·9	3·5308	13 October.
	0·4896	3·5311								
	0·4895	3·5330								
0·23784	0·4894	3·5333	605·9	57·3						14 October.
	0·4894	3·5335								

Magnets employed I. 15 suspended 3·00 inches;

Date.		Experiments of Deflection.						Experiments of
		Temperature of Magnet.	Distances. r, r_1, r_{11}, &c.	Angles. u, u^1, u^{11}, &c. reduced to Temperature of 50°, and mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k = \cdot000087$ Sc. Div.	Bifilar Magnetometer. $q = \cdot000234$ Therm.	Log. Values of $\frac{m}{X}$	Temperature of Magnet.
		°	Feet,	° ′ ″		°		°
1846								
November.	16	63·3	1·0+½ l	10 24 53	606·7	54·5	9·14057	64·7
		62·7	1·1 ,,	8 06 23	606·6	57·2	9·13925	
		63·3	1·2 ,,	6 25 42	606·6	55·7	9·14103	
	17	53·2	1·0 ,,	10 27 28	615·1	57·8	9·14221	52·7
		53·7	1·1 ,,	8 07 13	619·8	56·7	9·14166	
		53·8	1·2 ,,	6 27 40	620·3	56·7	9·14209	52·4
	18	53·6	1·0 ,,	10 29 13	593·6	58·7	9·14335	50·5
		54·1	1·2 ,,	6 26 23	593·6	58·7	9·14156	51·8
December.	15	61·5	1·0+½ l	10 24 12	641·5	37·7	9·14008	40·0
		69·0	1·1 ,,	8 05 52	640·3	37·2	9·14077	
		68·0	1·2 ,,	6 25 37	639·7	37·0	9·14088	57·9
	16	49·3	1·0 ,,	10 24 27	638·8	40·5	9·14069	33·5
		54·1	1·1 ,,	8 05 42	639·7	40·8	9·14032	
		54·2	1·2 ,,	6 24 47	639·8	40·8	9·13977	52·0
	17	56·0	1·0 ,,	10 24 50	638·4	42·8	9·14033	45·5
		58·2	1·1 ,,	8 05 21	637·8	42·9	9·14009	54·5
1847								
January.	18	63·8	1·0+½ l	10 23 05	635·9	40·8	9·13935	56·6
		53·8	1·1 ,,	8 03 46	643·0	41·7	9·13862	52·0
		48·9	1·0 ,,	10 22 56	636·1	35·5	9·13904	48·5
	19	48·7	1·1 ,,	8 04 23	641·4	35·6	9·13909	48·4
		49·6	1·2 ,,	6 23 31	647·0	35·7	9·13829	
		53·4	1·0 ,,	10 23 09	647·3	35·7	9·13924	52·3
	20	52·8	1·1 ,,	8 03 55	651·9	36·2	9·13873	
		55·0	1·2 ,,	6 24 33	650·0	36·7	9·13950	52·5
	21	57·5	1·0 ,,	10 23 00	631·6	35·7	9·13921	44·0
		53·4	1·1 ,,	8 04 56	635·3	36·8	9·13965	49·9
February.	15	55·6	1·0+½ l	10 22 32	639·5	42·8	9·13885	53·9
		51·1	1·1 ,,	8 04 09	644·2	43·0	9·13891	50·1
		66·1	1·0 ,,	10 22 20	640·6	36·4	9·13885	51·3
	16	54·7	1·1 ,,	8 03 53	646·4	37·1	9·13873	45·8
		45·4	1·2 ,,	6 24 20	648·8	38·7	9·13919	
	17	54·0	1·0 ,,	10 23 04	642·3	45·4	9·13920	63·1
								51·0
								34·3
	18	41·5	1·0 ,,	10 22 30	642·2	43·7	9·13865	44·0
		62·0	1·0 ,,	10 22 37	633·2	46·8	9·13901	50·0
	19	54·0	1·1 ,,	8 03 48	636·0	47·3	9·13867	41·8
March.	15	52·5	1·0+½ l	10 22 50	623·4	42·6	9·13901	44·0
		46·2	1·1 ,,	8 06 23	638·0	42·4	9·14085	43·7
		54·8	1·0 ,,	10 23 03	631·5	39·2	9·13919	32·0
	16	52·4	1·1 ,,	8 04 00	644·5	41·5	9·13880	
		50·4	1·2 ,,	6 24 17	643·5	41·7	9·13911	48·4
	17	49·0	1·0 ,,	10 22 11	621·9	41·8	9·13853	48·0
		49·9	1·1 ,,	8 06 16	642·7	43·8	9·14079	50·2
		52·3	1·2 ,,	6 23 27	648·2	44·7	9·13825	
	18	59·4	1·0 ,,	10 22 40	615·7	48·6	9·13900	52·0
		52·2	1·1 ,,	8 04 48	628·5	50·9	9·13951	51·6

Experiments of		
Time of one vibration corrected for torsion of thread and rate of Chronometer, also reduced to Temperature of 50°, and mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k = \cdot000087$ Sc. Div.	Bifilar Magnetometer. $q = \cdot00023$ Therm.
Seconds.		°
5·1177	614·6	56·1
5·1148	611·7	56·4
5·1211	599·2	57·4
5·1209	581·7	57·2
5·1209	596·7	60·0
5·1224	637·9	36·0
5·1168	647·0	39·5
5·1183	608·2	39·0
5·1180	643·2	41·4
5·1173	635·6	42·1
5·1174	643·3	42·6
5·1272	633·3	39·6
5·1250	645·6	42·0
5·1256	632·9	35·7
5·1223	649·4	35·7
5·1276	648·0	35·0
5·1256	636·5	37·4
5·1221	629·6	36·3
5·1248	642·4	35·4
5·1292	637·8	42·6
5·1275	635·9	43·1
5·1314	635·9	36·1
5·1273	638·2	39·0
5·1277	639·2	44·5
5·1284	639·8	45·7
5·1196	635·9	42·3
5·1277	639·8	46·5
5·1276	625·2	45·9
5·1287	634·8	47·7
5·1346	618·7	41·4
5·1301	641·5	42·5
5·1273	631·7	36·9
5·1299	642·5	41·8
5·1328	637·8	37·9
5·1297	646·6	44·8
5·1344	609·9	46·6
5·1266	632·5	42·1

I. 18 Deflecting 3·67 inches.

Vibration.	Results.					Means.			Monthly Means.		Date.	
				Bifilar.			Bifilar.					
Log. Values of m X	m	X	Mean reading on day of observation.	Temperature.	Values of X	Sc. Div.	Temperature.	Bifilar at 55°	Values of X		
Seconds.				°			°			1846	
5·1177	0·4893	3·5363	615·0	56·0						16	November.
0·23767	0·4880	3·5417									
	0·4891	3·5345									
5·1148	0·4897	3·5293	597·4	57·0	3·5310	604·2	57·0	609·2	3·5309	17	
0·23759	0·4894	3·5276									
5·1211	0·4902	3·5262									
5·1209	0·4900	3·5225	600·2	58·1						18	
0·23705	0·4890	3·5299									
5·1224	0·4883	3·5366	645·7	37·7						15	December.
0·23724	0·4886	3·5338									
5·1168	0·4887	3·5333									
5·1183	0·4885	3·5374	644·8	40·1	3·5365	644·5	39·5	604·1	3·5369	16	
0·23746	0·4886	3·5365									
5·1180	0·4883	3·5388									
5·1173	0·4886	3·5368	642·9	40·8						17	
5·1174	0·4885	3·5386									
										1847	
5·1272	0·4872	3·5352	643·4	40·5						18	January.
5·1250	0·4869	3·5382									
5·1256	0·4874	3·5378									
5·1223	0·4874	3·5377	648·1	35·1						19	
0·23652	0·4870	3·5409									
5·1276	0·4872	3·5353			3·5371	645·5	36·7	600·7	3·5384		
0·23608	0·4869	3·5374	648·1	36·7						20	
5·1256	0·4874	3·5342									
5·1221	0·4875	3·5379	642·5	34·6						21	
5·1248	0·4878	3·5361									
5·1292	0·4868	3·5357	639·9	42·0						15	February.
5·1275	0·4869	3·5355									
5·1314	0·4867	3·5352									
5·1273	0·4867	3·5357	642·8							16	
0·23565	0·4870	3·5338									
5·1277	0·4870	3·5345	637·2	43·1	3·5354	637·8	42·9	599·4	3·5336	17	
0·23585											
5·1284										18	
5·1196	0·4869	3·5374	636·9	44·4							
5·1277											
0·23601											
5·1276	0 4868	3·5345	632·3	46·5						19	
5·1287	0·4866	3·5359									
5·1346	0·4865	3·5321	637·9	40·5						15	March.
5·1301	0·4876	3·5247									
5·1273	0·4866	3·5273									
0·23585	0·4867	3·5355	640·8	39·0						16	
5·1299	0·4869	3·5341									
0·23550	0·4864	3·5349			3·5319	635·3	42·5	600·2	3·5315		
5·1328	0·4877	3·5257	640·0	42·4						17	
0·23500	0·4862	3·5355									
5·1297											
0·23554											
5·1344	0·4869	3·5356	622·5	48·0						18	
0·23575											
5·1266	0·4872	3·5335									
0·23608											

Magnets employed I. 15 suspended 3·0

Date.		Experiments of Deflection.						Exp			
		Temperature of Magnet.	Distances. r, r_1, r_{11}, &c.	Angles. u, u', u'', &c. reduced to Temperature of 56°, and mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k = \cdot000087$ Sc. Div.	$\eta = \cdot000234$ Therm.	Log. Values of $\frac{m}{X}$	Temperature of Magnet.	Time of one vibration corrected for torsion of thread and rate of Chronometer, also reduced to Temperature of 56°, and mean Bifilar reading on the day of observation.	Bifilar Magn $k = \cdot000087$ Sc. Div.	η
1847		°	Feet.	° ′ ″		°		°	Seconds.		
April.	14	49·6	$1·0+\frac{1}{2}l$	10 23 18	601·9	53·0	9·13930	42·1	5·1347	596·8	
		47·9	1·1 ,,	8 04 41	615·0	53·6	9·13934	45·0	5·1316	630·4	
		47·0	1·2 ,,	6 24 20	622·5	54·3	9·13918				
	15	51·8	1·0 ,,	10 23 15	587·0	49·8	9·13930	44·2	5·1350	583·5	
		60·2	1·1 ,,	8 03 37	601·6	50·2	9·13969	59·3	5·1325	624·4	
		63·4	1·2 ,,	6 24 03	625·9	51·3	9·13906				
	16	57·5	1·0 ,,	10 25 12	598·8	48·8	9·14072	57·0	5·1360	591·9	
		52·5	1·1 ,,	8 05 49	611·2	48·6	9·14041	49·5	5·1328	629·0	
		49·2	1·2 ,,	6 25 09	626·0	48·2	9·14010				
	19	47·7	1·0 ,,	10 24 16	629·6	44·4	9·13995	41·9	5·1345	625·0	
May.		56·0	$1·0+\frac{1}{2}l$	10 22 38	594·4	64·2	9·13802				
	15	57·4	1·1 ,,	8 04 28	611·4	65·4	9·13927	56·0	5·1348	577·0	
		59·2	1·2 ,,	6 23 53	619·9	66·8	9·13882	59·1	5·1276	613·5	
		56·0	1·0 ,,	10 23 30	573·7	62·8	9·13953				
	17	57·0	1·1 ,,	8 04 33	584·4	63·4	9·13935	51·2	5·1337	588·4	
		57·2	1·2 ,,	6 24 20	605·6	64·4	9·13930	55·2	5·1380	598·7	
	19	58·0	1·0 ,,	10 22 48	603·4	66·4	9·13906	53·4	5·1293	596·4	
								56·8	5·1347	602·5	
	20	56·0	1·0 ,,	10 22 39	590·5	64·0	9·13894	54·0	5·1334	587·7	
		57·1	1·1 ,,	8 04 21	610·3	64·6	9·13917	54·7	5·1324	598·6	
		57·5	1·2 ,,	6 23 13	611·9	65·0	9·13825				
June.	15	51·5	$1·0+\frac{1}{2}l$	10 23 23	620·4	54·3	9·13869	48·0	—	612·0	
		53·5	1·1 ,,	8 04 17	623·2	56·1	9·13906	55·7	5·1306	620·5	
		55·7	1·2 ,,	6 24 35	625·0	58·3	9·13958				
	16	57·5	1·0 ,,	10 22 07	603·2	60·7	9·13860	54·0	5·1374	597·2	
		58·0	1·1 ,,	8 03 42	620·9	61·3	9·13859	57·5	5·1308	633·0	
		57·8	1·2 ,,	6 23 38	625·2	62·0	9·13853				
	17	58·9	1·0 ,,	10 22 34	600·9	61·4	9·13893	56·0	5·1305	596·6	
		59·8	1·1 ,,	8 04 05	602·0	61·5	9·13898	60·0	5·1351	623·2	
		60·3	1·2 ,,	6 23 57	620·1	63·1	9·13890				
	18	61·7	1·0 ,,	10 22 21	597·7	64·0	9·13880	58·0	5·1316	593·5	
		62·0	1·1 ,,	8 03 45	608·5	64·7	9·13870	62·0	5·1280	624·4	
July.		72·1	$1·0+\frac{1}{2}l$	10 23 52	584·3	73·9	9·13999	69·1	5·1441	572·0	
	14	71·0	1·1 ,,	8 02 50	595·4	74·0	9·13800	68·7	5·1376	577·3	
		72·0	1·2 ,,	6 23 32	602·5	73·8	9·13859	70·0	5·1347	594·5	
		73·4	1·0 ,,	10 21 14	583·4	71·8	9·13821	68·2	5·1378	569·9	
	15	73·9	1·1 ,,	8 03 06	591·6	73·4	9·13828	68·2	5·1399	573·1	
		76·0	1·2 ,,	6 22 57	598·7	74·5	9·13799	75·3	5·1383	601·0	
		78·1	1·0 ,,	10 20 52	582·0	75·7	9·13799	72·0	5·1390	576·5	
	16	80·5	1·1 ,,	8 03 03	585·4	76·4	9·13832				
		78·9	1·0 ,,	10 20 48	594·5	77·8	9·13795	79·0	5·1435	597·8	
		80·0	1·1 ,,	8 02 32	593·4	78·2	9·13785				
August.		73·7	$1·0+\frac{1}{2}l$	10 18 41	583·5	76·5	9·13643				
	17	74·0	1·1 ,,	8 01 31	574·1	76·4	9·13685	71·5	5·1404	572·0	
		74·0	1·2 ,,	6 21 23	602·6	76·5	9·13611	71·5	5·1423	599·1	
		67·5	1·0 ,,	10 19 12	586·2	70·0	9·13670	66·3	5·1403	600·2	
	18	68·0	1·1 ,,	8 01 46	586·3	70·0	9·13701				
		68·0	1·2 ,,	6 21 42	591·8	70·1	9·13646	68·2	5·1423	606·8	
		68·1	1·3 ,,	5 08 12	607·4	70·4	9·13682				
	19	62·0	1·0 ,,	10 19 04	599·3	65·1	9·13654	61·5	5·1427	600·0	
		64·0	1·1 ,,	8 01 20	605·6	65·4	9·13657	64·0	5·1448	612·4	
		64·0	1·2 ,,	6 20 59	618·6	66·2	9·13562				

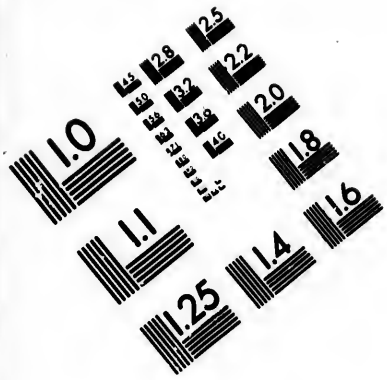
Magnets employed I. 15 suspended 3·00 inches;

Experiments of

Temperature of Magnet.	Time of one vibration corrected for torsion of thread and rate of Chronometer, also reduced to Temperature of 55°, and mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $A = \cdot000087$ $\gamma = \cdot00024$	
		Sc. Div.	Therm.
°	Seconds.		°
42·1	5·1347	596·8	53·0
45·0	5·1316	630·4	54·7
44·2	5·1350	583·5	49·7
50·3	5·1325	624·4	52·0
57·0	5·1360	591·9	48·8
49·5	5·1328	629·0	48·6
41·9	5·1345	625·0	43·4
56·0	5·1348	577·0	63·7
59·1	5·1276	613·5	67·1
51·2	5·1337	588·4	60·5
55·2	5·1380	598·7	65·4
53·4	5·1293	596·4	62·6
56·8	5·1337	602·5	67·0
54·0	5·1334	587·7	63·3
54·7	5·1324	598·6	63·2
48·0	—	612·0	53·7
55·7	5·1306	620·5	59·5
54·0	5·1374	597·2	62·1
57·5	5·1308	633·0	62·2
56·0	5·1305	596·6	60·7
60·0	5·1351	623·2	63·7
58·0	5·1316	593·5	63·3
62·0	5·1280	624·4	65·4
69·1	5·1441	572·0	73·8
68·7	5·1376	577·3	73·9
70·0	5·1347	594·5	73·1
68·2	5·1378	569·9	70·3
68·2	5·1399	573·1	71·1
75·3	5·1383	601·0	74·6
72·0	5·1390	576·5	74·7
79·0	5·1435	597·8	78·1
71·5	5·1404	572·0	77·7
71·5	5·1423	599·1	76·0
66·3	5·1403	600·2	69·7
68·2	5·1423	606·8	70·7
61·5	5·1427	606·0	64·6
64·0	5·1448	612·4	67·0

I. 18 Deflecting 3·67 Inches.

Vibration. Log. Values of m X	Results. m	Results. X	Results. Bifilar. Mean reading on day of observation.	Results. Bifilar. Temperature.	Means. Values of X	Means. Bifilar. Sc. Div.	Means. Bifilar. Temperature.	Monthly Means. Bifilar at 55°	Monthly Means. Values of X	Date.
				°						1847
0·23465	0·4866	3·5303	610·1	52·5						14 April.
0·23519	0·4867	3·5301								
	0·4867	3·5308								
0·23462	0·4866	3·5303	613·6	49·3						15 April.
0·23512	0·4867	3·5286								
	0·4864	3·5311			3·5284	614·5	49·2	607·0	3·5308	
0·23451	0·4872	3·5240	616·2	48·2						16 April.
0·23501	0·4870	3·5252								
	0·4869	3·5265								
0·23469	0·4869	3·5267	618·1	46·9						19 April.
	0·4863	3·5318								
0·23471	0·4865	3·5304	601·5	63·7						15 May.
0·23509	0·4863	3·5322								
	0·4867	3·5292								
0·23487	0·4865	3·5300	592·3	63·2						17 May.
0·23416	0·4865	3·5301								
0·23524					3·5315	597·2	63·6	621·9	3·5320	
0·23492	0·4865	3·5319	596·2	64·5						19 May.
	0·4864	3·5325								
0·23504	0·4866	3·5316	598·8	63·1						20 May.
0·23512	0·4861	3·5357								
	0·4865	3·5349								
0·23543	0·4867	3·5334	617·4	57·0						15 June.
	0·4870	3·5312								
	0·4861	3·5329								
0·23427	0·4861	3·5329	614·3	60·1						16 June.
0·23540	0·4862	3·5341								
	0·4864	3·5324								
0·23544	0·4864	3·5322	609·5	61·6						17 June.
0·23469	0·4864	3·5325								
	0·4866	3·5349								
0·23526	0·4866	3·5355	606·5	63·2						18 June.
0·23592	0·4867	3·5261								
0·23323	0·4856	3·5334	584·6	72·0						14 July.
0·23432	0·4860	3·5318								
0·23482	0·4855	3·5318								
0·23429	0·4856	3·5315	588·7	72·0						15 July.
0·23393	0·4854	3·5326			3·5310	587·2	73·2	640·4	3·5323	
0·23424	0·4851	3·5309								
0·23410	0·4853	3·5291	588·2	75·5						16 July.
0·23337	0·4851	3·5309								
	0·4850	3·5315								
0·23386	0·4842	3·5370	596·9	74·8						17 August.
	0·4844	3·5353								
0·23348	0·4840	3·5382								
0·23385	0·4844	3·5359								
	0·4846	3·5346	601·1	68·3						18 August.
0·23352	0·4843	3·5369			3·5362	602·4	69·5	638·1	3·5352	
	0·4845	3·5354								
0·23341	0·4841	3·5352	609·3	65·4						19 August.
0·23308	0·4842	3·5346								
	0·4834	3·5385								



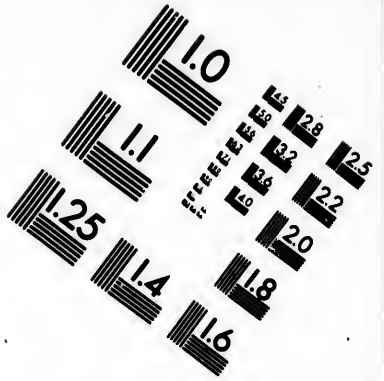
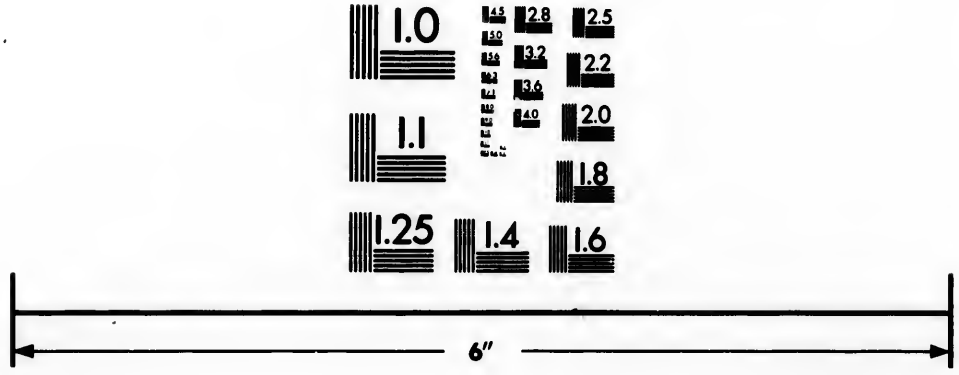


IMAGE EVALUATION TEST TARGET (MT-3)



Photographic Sciences Corporation

23 WEST MAIN STREET
WEBSTER, N.Y. 14580
(716) 872-4503

Magnets employed I. 15 suspended 3·00 inches;

Date.		Experiments of Deflection.						Experiments of			
		Temperature of Magnet.	Distances.	Angles.	Bifilar Magnetometer.		Log. Values of $\frac{m}{X}$	Temperature of Magnet.	Time of one vibration corrected for torsion of thread and rate of Chronometer, also reduced to Temperature of 50°, and mean Bifilar reading on the day of observation.	Bifilar Magnetometer.	
			r, r_{I}, r_{II}, &c.	u, u^{I}, u^{II}, &c. reduced to Temperature of 50°, and mean Bifilar reading on the day of observation.	$k = \cdot 000087$ Sc. Div.	$q = \cdot 000234$ Therm.				$k = \cdot 000087$ Sc. Div.	$q = \cdot 000234$ Therm.
1847		°	Feet.	° ′ ″		°		°	Seconds.		°
September.	15	57·8	1·0+⅓ l	10 18 32	596·4	59·1	9·13611	56·2	5·1519	594·0	58·6
		59·9	1·1 ,,	8 00 59	611·9	60·7	9·13619				
		60·3	1·2 ,,	6 21 15	617·2	61·5	9·13592	60·6	5·1512	618·2	62·4
	16	59·9	1·0 ,,	10 19 16	588·7	61·5	9·13663				
		60·1	1·1 ,,	8 01 26	598·2	62·0	9·13651	58·2	5·1575	591·9	60·9
		60·4	1·2 ,,	6 21 45	611·1	62·9	9·13652				
		62·2	1·0 ,,	10 18 35	624·8	63·6	9·13612	61·2	5·1526	622·9	64·2
	17	62·4	1·0 ,,	10 19 02	584·9	63·8	9·13643	61·0	5·1526	579·9	62·8
		63·8	1·1 ,,	8 01 37	593·8	64·6	9·13680				
		63·8	1·2 ,,	6 41 42	601·9	65·3	9·13637	62·6	5·1532	603·6	65·5
October.	16	57·0	1·0+⅓ l	10 17 44	619·3	57·3	9·13555	56·5	5·1580	601·9	54·2
		59·4	1·1 ,,	8 00 40	619·3	58·0	9·13592	57·0	5·1509	622·8	58·1
	18	61·7	1·0 ,,	10 17 38	605·2	59·2	9·13548	59·8	5·1563	604·0	58·6
		62·8	1·1 ,,	8 01 09	599·3	60·1	9·13637				
		61·8	1·2 ,,	6 21 31	605·9	62·2	9·13616	60·8	5·1580	607·5	63·1
		63·2	1·0 ,,	10 17 48	607·8	62·2	9·13561				
	19	55·4	1·0 ,,	10 18 21	600·4	60·9	9·13604	53·5	5·1590	585·9	60·0
		56·0	1·1 ,,	8 01 09	606·8	61·7	9·13641	53·8	5·1565	612·8	59·4
	20	60·0	1·0 ,,	10 18 01	605·9	57·2	9·13580	60·	5·1538	598·8	57·0
		59·1	1·1 ,,	8 00 36	608·2	58·1	9·13594	57·?	5·1623	615·1	59·3
November.	16	55·3	1·0+⅓ l	10 17 30	608·2	49·0	9·13537	45·5	5·1571	617·3	48·2
		55·5	1·1 ,,	8 00 43	608·0	50·0	9·13590	54·0	5·1581	620·3	51·0
		53·7	1·2 ,,	6 20 44	628·9	51·0	9·13523				
	17	55·0	1·0 ,,	10 17 29	605·2	54·0	9·13534	48·2	5·1586	608·6	53·6
		57·7	1·1 ,,	8 00 06	611·3	54·4	9·13537	57·1	5·1566	628·2	55·5
		58·0	1·2 ,,	6 20 39	625·2	55·1	9·13548				
	18	50·0	1·0 ,,	10 17 21	619·4	54·0	9·13519	48·0	5·1574	622·6	53·7
		50·3	1·1 ,,	7 59 28	623·1	53·8	9·13471	51·7	5·1558	631·5	54·3
		54·4	1·2 ,,	6 21 09	630·5	54·0	9·13564				
December.	16	43·2	1·0+⅓ l	10 16 13	636·4	39·6	9·13476	29·0	5·1585	639·5	39·4
		50·0	1·1 ,,	7 59 12	651·6	40·5	9·13445	50·4	5·1590	666·7	41·3
		50·8	1·2 ,,	6 20 29	662·1	41·1	9·13487				
	18	66·1	1·0 ,,	10 17 11	617·2	40·7	9·13532	63·3	5·1635	623·8	40·1
		60·4	1·1 ,,	8 00 40	617·4	41·5	9·13591	53·7	5·1663	633·7	42·8
		55·1	1·2 ,,	6 20 29	627·1	42·2	9·13493				
	21	48·5	1·0 ,,	10 18 11	612·4	35·9	9·13575	54·9	5·1708	613·4	35·7
		47·8	1·1 ,,	8 00 25	616·2	37·1	9·13553	45·9	5·1709	629·0	37·3
		47·0	1·2 ,,	6 21 28	623·8	37·5	9·13592				
	24	51·8	1·0 ,,	10 14 00	629·3	39·9	9·13288	53·3	5·1647	638·2	39·6
		55·1	1·1 ,,	7 56 50	640·6	40·9	9·13239	53·0	5·1625	645·0	41·4
1848											
January.	17	39·3	1·0+⅓ l	10 16 51	615·1	43·7	9·13471	36·7	5·1710	610·3	43·7
		43·6	1·1 ,,	7 59 41	618·3	44·0	9·13472	44·9	5·1665	631·1	45·6
		44·2	1·2 ,,	6 20 51	024·5	44·8	9·13520				
	18	52·7	1·0 ,,	10 17 08	618·4	40·7	9·13506	43·5	5·1673	621·5	41·3
		47·4	1·1 ,,	7 59 55	625·3	41·0	9·13506	39·0	5·1650	644·8	41·8
		40·7	1·2 ,,	6 20 45	639·4	41·8	9·13504				
	19	54·1	1·0 ,,	10 16 45	626·4	38·2	9·13482	56·0	5·1640	639·5	38·0
		49·1	1·1 ,,	7 59 14	633·8	38·7	9·13448	46·0	5·1635	647·3	39·5
		47·4	1·2 ,,	6 19 45	644·3	39·3	9·13400				

I. 18 Deflecting 3·67 inches.

Vibration. Log. Values of m X	Results. m	Results. X	Bifilar. Mean reading on day of observation.	Bifilar. Temperature.	Means. Values of X	Means. Bifilar. Sc. Div.	Means. Bifilar. Temperature.	Monthly Means. Bifilar at 55°	Monthly Means. Values of X	Date.
				°			°			1847
0·23185	0·4831	3·5309								
	0·4831	3·5305	613·0	59·1						15 September.
0·23188	0·4829	3·5316								
	0·4830	3·5266								
0·23090	0·4836	3·5271	613·0	61·0	3·5288	610·1	61·0	623·5	3·5280	16 September.
	0·4829	3·5270								
0·23175	0·4828	3·5286								
	0·4832	3·5289								
0·23174	0·4833	3·5274	604·4	63·0						17 September.
0·23165	0·4831	3·5291								
0·23080	0·4825	3·5313	613·9	55·8						16 October.
0·23200	0·4827	3·5298								
0·23110	0·4823	3·5298								
	0·4827	3·5262								
0·23084	0·4826	3·5270	609·0	60·4						18 October.
	0·4823	3·5293								
0·23061	0·4824	3·5270	607·2	59·1	3·5281	610·5	58·1	617·9	3·5278	19 October.
0·23105	0·4826	3·5256								
0·23153	0·4823	3·5278	611·9	57·2						20 October.
0·23009	0·4824	3·5274								
	0·4826	3·5297								
0·23088	0·4824	3·5275	626·3	50·6						16 November.
0·23077	0·4820	3·5303								
	0·4821	3·5299								
0·23066	0·4822	3·5297	620·6	54·6	3·5300	624·3	53·0	610·3	3·5274	17 November.
0·23105	0·4822	3·5293								
	0·4816	3·5310								
0·23085	0·4819	3·5330	626·0	53·8						18 November.
0·23114	0·4824	3·5292								
	0·4816	3·5312								
0·23507	0·4815	3·5324	650·2	40·8						16 December.
0·23060	0·4818	3·5307								
	0·4813	3·5252								
0·22993	0·4817	3·5227	629·3	41·5						18 December.
0·22940	0·4813	3·5267			3·5271	638·5	39·1	610·6	3·5315	
	0·4811	3·5192								
0·22864	0·4810	3·5200	626·4	36·0						21 December.
0·22859	0·4814	3·5184								
	0·4801	3·5348								
0·22941	0·4798	3·5369	648·0	38·1						24 December.
0·22978										
										1848
	0·4806	3·5245								
0·22847	0·4805	3·5244	627·7	43·7						17 January.
0·22931	0·4810	3·5226								
	0·4811	3·5250								
0·22916	0·4812	3·5249	639·3	39·1	3·5260	637·4	40·5	604·6	3·5279	18 January.
0·22953	0·4812	3·5250								
	0·4812	3·5275								
0·22980	0·4811	3·5291	645·2	38·8						19 January.
0·22980	0·4808	3·5311								

Magnets employed I. 15 suspended 3·00 inches;

Date.		Experiments of Deflection.						Experiments of			
		Temperature of Magnet.	Distances. r, r', r'', &c.	Angles. a, a', a'', &c. reduced to Temperature of 50°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k = \cdot000087$ $q = \cdot000234$ Sc. Div.	Therm.	Log. Values of $\frac{m}{X}$	Temperature of Magnet.	Time of one vibration corrected for torsion of thread and rate of Chronometer, also reduced to Temperature of 50°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k = \cdot000087$ $q = \cdot000234$ Sc. Div.	Therm.
1848		°	Feet.	° ′ ″		°		°	Seconds.		°
February.	16	55·1	1·0+½ l	10 15 53	627·4	47·6	9·13423	53·0	5·1653	638·4	49·8
		51·7	1·1 ,,	7 59 03	632·3	48·6	9·13436				
		53·2	1·2 ,,	6 20 10	635·1	49·4	9·13454				
	17	44·7	1·0 ,,	10 17 06	627·8	47·4	9·13494	37·0	5·1642	630·2	46·7
		57·2	1·1 ,,	7 58 40	632·7	48·0	9·13389	61·5	5·1665	643·4	50·1
		65·5	1·2 ,,	6 19 32	642·0	49·2	9·13398				
	18	52·2	1·0 ,,	10 15 31	626·1	49·2	9·13394	53·8	5·1660	622·4	48·3
		51·7	1·1 ,,	7 58 40	638·1	50·7	9·13416	52·3	5·1650	642·8	51·2
		51·9	1·2 ,,	6 19 45	641·2	51·0	9·13405				
	19	43·3	1·0 ,,	10 16 42	642·1	49·4	9·13465	40·1	5·1646	634·1	48·4
		44·0	1·1 ,,	7 59 21	639·1	50·1	9·13441	44·0	5·1678	638·6	50·3
March.	13	36·0	1·0+½ l	10 15 41	628·0	43·9	9·13384	32·0	5·1636	625·2	44·1
		37·1	1·1 ,,	7 58 59	639·3	44·7	9·13410				
		46·2	1·2 ,,	6 19 28	642·1	44·4	9·13366	48·0	5·1610	647·2	44·7
	14	47·7	1·0 ,,	10 16 06	645·5	41·1	9·13436	46·0	5·1628	646·1	41·0
		47·3	1·1 ,,	7 59 03	647·9	41·4	9·13429				
		51·9	1·2 ,,	6 19 54	649·2	41·5	9·13421				
	15	55·0	1·0 ,,	10 16 11	645·4	41·9	9·13445	51·6	5·1605	649·2	41·8
		51·8	1·0 ,,	10 16 46	639·2	36·0	9·13480	56·5	5·1626	646·2	35·8
		46·7	1·1 ,,	7 58 58	645·0	36·1	9·13421	43·7	5·1683	655·9	37·9
April.		47·5	1·0+½ l	10 16 37	618·4	55·0	9·13465	44·8	5·1695	610·7	54·8
	17	49·2	1·1 ,,	7 58 48	629·2	55·8	9·13410				
		55·4	1·2 ,,	6 19 39	636·0	56·2	9·13398	56·0	5·1622	641·0	56·3
	18	55·6	1·0 ,,	10 15 49	614·0	50·7	9·13419	55·2	5·1671	610·5	50·2
		54·0	1·1 ,,	7 58 45	624·3	50·5	9·13411				
		50·6	1·2 ,,	6 19 15	627·4	49·6	9·13346	51·2	5·1653	629·9	49·5
	19	53·5	1·0 ,,	10 15 35	627·2	48·3	9·13400	46·4	5·1616	621·7	49·0
		54·9	1·1 ,,	7 58 55	634·0	50·3	9·13427				
		56·0	1·2 ,,	6 19 54	640·2	51·3	9·13427	54·0	5·1662	644·7	51·9
May.		53·4	1·0+½ l	10 15 01	624·7	57·8	9·13361	50·0	5·1655	618·8	56·9
	15	53·7	1·1 ,,	7 58 16	635·8	58·5	9·13368				
		53·3	1·2 ,,	6 19 16	641·1	58·8	9·13353	53·0	5·1621	639·7	58·6
	16	55·2	1·0 ,,	10 15 31	624·9	59·6	9·13398	51·4	5·1651	614·6	58·8
		56·0	1·1 ,,	7 58 40	639·7	60·2	9·13407				
		55·8	1·2 ,,	6 19 10	644·6	60·4	9·13345	54·8	5·1600	631·7	60·7
	17	56·0	1·0 ,,	10 16 30	610·4	60·6	9·13467	53·0	5·1680	597·8	60·2
		56·0	1·1 ,,	7 58 46	610·8	61·2	9·13418				
		57·0	1·2 ,,	6 20 9	630·3	63·2	9·13458	57·8	5·1546	654·1	64·1
June.		72·8	1·0+½ l	10 14 26	608·4	73·0	9·13345	68·2	5·1648	607·3	69·4
	15	72·7	1·1 ,,	7 58 01	610·2	76·2	9·13368				
		73·3	1·2 ,,	6 19 39	608·1	78·9	9·13423	72·2	5·1689	607·7	80·2
	16	74·8	1·0 ,,	10 15 38	593·1	81·4	9·13432	72·7	5·1673	591·0	79·8
		75·3	1·1 ,,	7 58 32	600·8	82·3	9·13420				
		75·8	1·2 ,,	6 19 23	600·9	83·0	9·13394	75·0	5·1632	604·5	82·2
	17	73·8	1·0 ,,	10 14 57	593·0	79·7	9·13382	70·6	5·1662	587·9	78·4
		73·2	1·1 ,,	7 58 04	598·2	79·7	9·13375				
		73·7	1·2 ,,	6 19 42	601·0	80·4	9·13426	72·9	5·1634	600·4	79·5

I. 18 Deflecting 3·67 inches.

Vibration.	Results.					Means.			Monthly Means.		
				Bifilar.			Bifilar.				
Log. Values of m X	m	X	Mean reading on day of observation,	Temperature.	Values of X	Sc. Div.	Temperature.	Bifilar at 55°	Values of X	Date.
				°			°			1848
	0·4808	3·5291								
0·22956	0·4809	3·5286	640·1	46·3						16 February.
	0·4810	3·5279								
	0·4812	3·5262								
0·22965	0·4806	3·5304	641·7	47·7						17
0·22942	0·4805	3·5301			3·5290	637·1	47·4	607·0	3·5261	
	0·4806	3·5304								
0·22945	0·4808	3·5295	639·9	48·5						18
0·22971	0·4807	3·5299								
0·22959	0·4811	3·5276	626·8	47·2						19
0·22934	0·4810	3·5289								
	0·4807	3·5323								
0·22967	0·4808	3·5313	646·4	43·4						13
0·23025	0·4807	3·5331								
	0·4812	3·5310								
0·22994	0·4812	3·5313	649·9	38·9	3·5308	648·8	39·4	611·7	3·5323	14 March.
	0·4811	3·5316								
0·23035	0·4812	3·5306								
0·23004	0·4811	3·5267	650·2	35·9						15
0·22901	0·4808	3·5291								
	0·4810	3·5270								
0·22881	0·4807	3·5293	621·7	54·7						17
0·23010	0·4806	3·5298								
	0·4806	3·5287								
0·22926	0·4806	3·5290	629·2	48·6	3·5295	629·0	50·8	620·9	3·5305	18 April.
0·22954	0·4803	3·5312								
	0·4807	3·5310								
0·23024	0·4809	3·5299	636·0	49·1						19
0·22931	0·4809	3·5298								
	0·4806	3·5326								
0·22950	0·4806	3·5323		56·9						15
0·23009	0·4805	3·5329	633·7							
	0·4809	3·5322								
0·22959	0·4810	3·5319	630·4	58·6	3·5319	625·8	58·8	636·3	3·5320	16 May.
0·23035	0·4806	3·5344								
	0·4814	3·5301								
0·22910	0·4811	3·5321	613·3	60·9						17
0·23138	0·4812	3·5287								
	0·4802	3·5317								
0·22972	0·4804	3·5308	607·5	74·0						15
0·22907	0·4807	3·5274								
	0·4806	3·5278								
0·22933	0·4806	3·5283	595·4	79·3	3·5298	600·5	76·8	649·7	3·5270	16 June.
0·23003	0·4804	3·5294								
	0·4806	3·5314								
0·22951	0·4806	3·5317	598·7	77·1						17
0·22999	0·4808	3·5296								

Magnets employed I. 15 suspended 3·00 inches

Date.		Experiments of Deflection.						Experiments of
	Temperature of Magnet.	Distances. r_1, r_2, r_3 &c.	Angles. $\alpha, \alpha', \alpha''$, &c. reduced to Temperature of 50°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k = \cdot000087$ Sc. Div.	Bifilar Magnetometer. $q = \cdot000234$ Therm.	Log. Values of $\frac{m}{X}$	Temperature of Magnet.	Time of one vibration corrected for torsion of thread and rate of Chronometer, also reduced to Temperature of 50°, and to the mean Bifilar reading on the day of observation.
1848	°	feet.	° ′ ″		°		°	Seconds.
July. 18	72·4	1·0+½ l	10 14 12	606·1	71·9	9·13330	70·0	5·1681
	71·8	1·1 ,,	7 57 14	617·7	73·2	9·13298	72·2	5·1693
	72·0	1·2 ,,	6 18 29	618·3	73·8	9·13287		
19	73·2	1·0 ,,	10 14 11	595·4	74·4	9·13329	70·0	5·1602
	74·6	1·1 ,,	7 57 00	616·2	75·6	9·13281	74·7	5·1705
	75·2	1·2 ,,	6 18 58	605·0	76·1	9·13345		
20	75·0	1·0 ,,	10 14 34	590·9	77·0	9·13356	70·0	5·1708
	75·4	1·1 ,,	7 57 55	599·4	78·0	9·13365	75·0	5·1714
	75·5	1·2 ,,	6 18 46	598·2	78·6	9·13324		
August. 15	77·8	1·0+½ l	10 10 24	598·4	79·9	9·13069	78·8	5·1902
	77·8	1·1 ,,	7 54 35	600·2	80·3	9·13056	77·0	5·1881
	77·7	1·0 ,,	10 10 08	586·6	78·2	9·13049	73·8	5·1829
16	77·3	1·1 ,,	7 54 25	591·5	78·5	9·13050	78·0	5·1849
	78·1	1·2 ,,	6 16 31	597·9	79·3	9·13068		
	69·8	1·0 ,,	10 10 04	598·2	72 9	9·13035	68·6	5 1905
17	70·0	1·1 ,,	7 54 22	619·8	73·0	9·13035	68·6	5·1849
	70·2	1·2 ,,	6 16 05	605·0	72·6	9·13009		
18	72·5	1·0 ,,	10 10 52	596·6	73·8	9·13094	69·5	5·1877
	73·0	1·1 ,,	7 54 31	606·8	74·2	9·13052	72·7	5·1852
September.	59·1	1·0+½ l	10 09 33	602·8	59·9	9·12985		
15	59·5	1·1 ,,	7 53 59	620·4	60·7	9·12986	61·1	5·1952
	61·1	1·2 ,,	6 15 54	632·9	61·4	9·12975		
	58·1	1·0 ,,	10 09 40	602·7	59·9	9·12991		
16	59·3	1·1 ,,	7 54 13	627·5	60·9	9·13008	59·0	5·1930
	60·2	1·2 ,,	6 15 51	635·6	61·8	9·12969	59·8	5·1928
	63·8	1·0 ,,	10 09 47	599·0	63·1	9·13008		
19	63·9	1·1 ,,	7 54 15	610·3	63·4	9·13016	62·2	5·1947
	64·2	1·2 ,,	6 15 58	626·1	63·8	9·12987	64·2	5·1969
October.	51·3	1·0+½ l	10 08 40	600·5	55·8	9·12912		
17	55·0	1·1 ,,	7 53 20	602·2	55·7	9·12920	46·7	5·2002
	60·7	1·2 ,,	6 15 13	623·6	55·7	9·12894	59·7	5·2020
	56·3	1·0 ,,	10 10 05	594·4	53·9	9·13017	50·0	5·2104
19	57·9	1·1 ,,	7 54 30	609·4	54·5	9·13031	56·0	5·2075
	60·1	1·0 ,,	10 08 46	600·1	53·5	9·12930	49·7	5·2208
20	65·4	1·1 ,,	7 53 56	604·5	54·0	9·13033	56·0	5·2048
	63·7	1·1 ,,	7 53 41	606·4	56·1	9·13010	58·0	5·2025
21	64·0	1·2 ,,	6 15 35	608·9	56·1	9·12943	61·0	5·1996
	63·0	1·0 ,,	10 09 14	616·4	56·9	9·12964		
November.	63·5	1·0+½ l	10 08 43	604·1	49·0	9·12933		
21	58·0	1·1 ,,	7 53 55	648·4	50·5	9·12077	45·0	5·2093
	55·4	1·2 ,,	6 15 11	644·6	51·3	9·12886	54·0	5·2083
	51·7	1·0 ,,	10 08 27	615·9	51·3	9·12898		
22	53·9	1·1 ,,	7 53 28	626·1	51·6	9·12933	42·7	5·2112
	52·4	1·2 ,,	6 15 29	632·3	51·9	9·12915	52·0	5·2113
	48·0	1·0 ,,	10 08 50	611·9	50·3	9·12919		
23	49·0	1·1 ,,	7 53 28	618·7	51·3	9·12926	46·0	5·2123
	55·4	1·2 ,,	6 15 28	631·9	52·2	9·12918	56·0	5·2143

Experiments of		
Bifilar Magnetometer. $k = \cdot000087$ Sc. Div.	Bifilar Magnetometer. $q = \cdot000234$ Therm.	
594·7	71·4	
619·6	75·7	
584·9	73·4	
602·0	76·2	
579·2	75·1	
600·3	78·7	
582·8	79·1	
596·2	80·4	
579·4	78·0	
600·6	79·5	
583·7	73·2	
610·1	72·6	
584·0	73·3	
608·4	74·4	
635·3	62·2	
597·6	59·6	
640·1	62·5	
599·2	62·7	
624·0	64·2	
600·8	56·4	
630·1	55·3	
589·6	53·2	
611·8	54·7	
595·5	52·7	
620·9	55·0	
607·7	56·0	
618·9	57·1	
608·5	47·8	
621·8	51·9	
601·5	51·2	
626·9	52·0	
609·1	49·7	
618·6	52·4	

yed I. 15 suspended 3·00 inches;

Experiments of		
one vibra-corrected on of thread rate of meter, also to Tempera-, and to the ifilar reading the day ervation.	Bifilar Magnetometer. A = ·000087	y = ·000236
	Sc. Div.	Therm.
conds.		°
·1681	594·7	71·4
·1693	619·6	75·7
·1602	584·9	73·4
·1705	602·0	76·2
·1708	579·2	75·1
·1714	600·3	78·7
·1902	582·8	79·1
·1881	596·2	80·4
·1829	579·4	78·0
·1849	600·6	79·5
1905	583·7	73·2
·1849	610·1	72·6
·1877	584·0	73·3
·1852	608·4	74·4
·1952	635·3	62·2
·1930	597·6	59·6
·1928	640·1	62·5
·1947	599·2	62·7
·1969	624·0	64·2
·2002	600·8	56·4
·2020	630·1	55·3
·2104	589·6	53·2
·2075	611·8	54·7
·2208	595·5	52·7
·2048	620·9	55·0
·2025	607·7	56·0
·1996	618·9	57·1
·2093	608·5	47·8
·2083	621·8	51·9
·2112	601·5	51·2
·2113	626·9	52·0
·2123	609·1	49·7
·2143	618·6	52·4

I. 18 Deflecting 3·67 inches.

Vibration.	Results.				Means.			Monthly Means.		Date.	
			Bifilar.			Bifilar.					
Log. Values of m X	m	X	Mean reading on day of observation.	Temperature.	Values of X	Sc. Div.	Temperature.	Bifilar at 55°	Values of X		
				°			°			1848	
0·22918	0·4800	3·5309									
0·22900	0 4798	3·5322	604·8	72·5						18	July.
	0·4797	3·5327									
0·23051	0·4803	3·5334									
0·22880	0·4800	3·5353	598·7	74·2	3·5315	599·2	74·4	648·3	3·5306	19	
	0·4803	3·5327									
0·22873	0·4799	3·5284									
0·22867	0·4799	3·5280	594·2	76·6						20	
	0·4797	3·5297									
0·22552	0·4766	3·5279	588·8	79·0						15	August.
0·22588	0·4765	3·5284									
0·22672	0·4770	3·5322									
0·22641	0·4770	3·5321	594·4	77·5						16	
	0·4771	3·5314									
0·22543	0·4766	3·5301			3·5302	596·6	75·4	652·6	3·5305		
0·22636	0·4766	3·5301	602·0	72·3						17	
	0·4765	3·5311									
0·22590	0·4770	3·5285	601·3	72·8						18	
0·22634	0·4768	3·5302									
	0·4756	3·5268									
0·22459	0·4761	3·5267	622·5	60·3						15	September.
	0·4755	3·5271									
	0·4758	3·5281									
0·22495	0·4759	3·5272	624·8	60·8	3·5269	620·9	61·5	641·0	3·5277	16	
0·22498	0·4757	3·5289									
	0·4756	3·5258									
0·22408	0·4757	3·5252	615·4	63·5						19	
0·22432	0 4755	3·5263									
	0·4746	3·5253									
0·22357	0·4747	3·5252	622·7	54·1						17	October.
0·22344	0·4745	3·5261									
0·22198	0·4745	3·5160	607·4	53·8						19	
0·22251	0·4745	3·5154			3·5217	617·1	54·4	627·7	3·5254		
0·22236	0·4742	3·5211	616·5	54·2						20	
0·22292	0·4737	3·5168									
	0·4750	3·5217									
0·22334	0·4748	3·5245	621·9	55·4						21	
0·22386	0·4749	3·5248									
	0·4740	3·5194									
0·22214	0·4743	3·5175	625·7	50·3						21	November.
0·22236	0·4738	3·5212									
	0·4736	3·5191									
0·22181	0·4738	3·5177	619·8	51·0	3·5180	622·1	50·8	619·4	3·5206	22	
0·22185	0·4738	3·5164									
	0·4736	3·5169									
0·22165	0·4736	3·5167	620·8	51·4						23	
0·22137	0·4736	3·5170									

Magnets employed I. 15 suspended 3·00 inches;

Date.		Experiments of Deflection.						Experiments of			
		Temperature of Magnet.	Distances. r, r_1, r_n, &c.	Angles. α, α^1, α^{11}, &c. reduced to Temperature of 50°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k = \cdot000087$ $q = \cdot000234$ Sc. Div.	Therm.	Log. Values of $\frac{m}{X}$	Temperature of Magnet.	Time of one vibration corrected for torsion of thread and rate of Chronometer, also reduced to Temperature of 50°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k = \cdot000087$ $q = \cdot000234$ Sc. Div.	Therm.
1848		°	Feet.	° ′ ″		°		°	Seconds.		°
December.	19	56·4	1·0+½ l	10 08 28	637·3	51·2	9·12902	57·0	5·1996	640·8	50·7
		58·4	1·1 ,,	7 52 55	642·7	51·8	9·12888	54·0	5·2041	656·4	52·3
		56·7	1·2 ,,	6 15 17	652·5	52·0	9·12898				
	20	48·5	1·0 ,,	10 09 31	640·2	45·9	9·12968	35·4	5·2046	646·0	45·6
		55·8	1·1 ,,	7 52·51	645·9	46·7	9·12879	52·1	5·1998	664·5	47·6
		53·7	1·2 ,,	6 15·03	657·6	47·4	9·12866				
	21	45·5	1 0 ,,	10 08·21	653·9	45·6	9·12882	39·0	5·2051	648·9	45·5
		51·4	1·1 ,,	7 53 15	659·3	45·0	9·12900	47·0	5·2038	670·2	44·8
		52·7	1·2 ,,	6 14 42	666·7	44·7	9·12825				
1849					$k = \cdot00036$	$q = \cdot000114$					
January.	15	56·4	1·0+½ l	10 07 43	364·4	38·9	9·12850	49·4	5·2099	367·2	39·6
		56·1	1·1 ,,	7 53 04	364·8	40·3	9·12902	44·4	5·2091	370·0	41·2
		45·7	1·2 ,,	6 15 14	370·1	41·2	9·12879				
	16	48·1	1·0 ,,	10 07 12	365·6	35·3	9·12803	32·1	5·2065	363·6	35·1
		51·7	1·1 ,,	7 51 45	367·2	36·0	9·12767	42·0	5·2051	371·4	37·1
		46·5	1·2 ,,	6 14 23	367·8	36·8	9·12782				
	17	53·0	1·0 ,,	10 07 27	365·6	39·9	9·12828	53·3	5·2028	366·5	39·9
		47·1	1·1 ,,	7 52 15	366·3	40·7	9·12812	39·1	5·2079	370·1	40·3
		41·4	1·2 ,,	6 14 11	368·5	40·3	9·12753				
February.	17	42·4	1·0+½ l	10 06 40	366·5	29·4	9·12790	31·5	5·2069	368·6	28·0
		46·9	1·1 ,,	7 51 45	367·2	30·6	9·12767	45·1	5·2073	371·4	31·5
		45·9	1·2 ,,	6 14 21	369·5	31·1	9·12778				
	19	52·5	1·0 ,,	10 06 27	362·3	28·3	9·12757	42·0	5·2118	360·2	27·2
		54·1	1·1 ,,	7 51 44	370·5	30·3	9·12788	52·2	5·2095	367·7	32·3
		56·2	1·2 ,,	6 13 53	366·2	30·6	9·12737				
	20	48·1	1·0 ,,	10 06 56	362·7	33·2	9·12783	32·0	5·2129	359·2	32·0
		49·5	1·1 ,,	7 52 15	366·3	34·9	6·12816	48·1	5·2125	368·1	35·5
		48·4	1·2 ,,	6 14 39	368·6	35·3	9·12816				
March.	19	48·0	1·0+½ l	10 6 44	364·8	43·2	9·12771	42·0	5·2034	363·4	42·9
		51·6	1·1 ,,	7 51 36	369·6	43·9	9·12759				
		51·9	1·2 ,,	6 13 42	371·9	44·2	9·12710	52·7	5·2097	374·0	44·4
	20	58·0	1·0 ,,	10 07 13	367·0	45·4	9·12817	43·7	5·2084	368·7	45·0
		56·6	1·1 ,,	7 51 24	367·8	45·9	9·12747				
		54·4	1·2 ,,	6 13 51	371·1	46·4	9·12729	51·8	5·2094	369·7	46·6
	21	58·6	1·0 ,,	10 06 21	361·4	49·5	9·12757	51·7	5·2066	363·9	49·2
		52·8	1·1 ,,	7 51 51	360·8	39·9	9·12784				
		58·4	1·2 ,,	6 14 07	365·8	49·8	9·12766	58·0	5·2067	368·5	49·5
April.	19	44·0	1·0+½ l	10 05 37	365·0	49·6	9·12687	42·7	5·2082	362·1	49·3
		45·1	1·1 ,,	7 51 45	366·5	49·8	9·12765				
		46·3	1·2 ,,	6 13 46	367·4	49·8	9·12712	39·2	5·1914	364·2	48·0
	20	43·0	1·0 ,,	10 05 48	367·5	48·3	9·12703	40·0	5·1899	365·7	48·2
		43·5	1·1 ,,	7 50 51	371·3	49·2	9·12681				
		45·2	1·2 ,,	6 13 36	372·6	50·4	9·12690	43·8	5·2127	372·8	49·9
	21	44·8	1·0 ,,	10 05 44	367·9	49·2	9·12695	40·5	5·2141	364·7	49·1
		45·7	1·1 ,,	7 50 45	368·4	49·5	9·12675				
		44·9	1·2 ,,	6 13 24	370·4	50·1	9·12665	43·5	5·2165	372·1	50·5

loyed I. 15 suspended 3·00 Inches;

Experiments of

of one vibra- n corrected tion of thread d rate of ometer, also d to Tempera- 50°, and to the Bifilar reading n the day observation.	Bifilar Magnetometer. $k = \cdot 000087$ Sc. Div.	$q = \cdot 000234$ Therm.
Seconds.		°
5·1996	640·8	50·7
5·2041	656·4	52·3
5·2046	646·0	45·6
5·1998	664·5	47·6
5·2051	648·9	45·5
5·2038	670·2	44·8
5·2099	367·2	39·6
5·2091	370·0	41·2
5·2065	363·6	35·1
5·2051	371·4	37·1
5·2028	366·5	39·9
5·2079	370·1	40·3
5·2069	368·6	28·0
5·2073	371·4	31·3
5·2118	360·2	27·2
5·2095	367·7	32·3
5·2129	359·2	32·0
5·2125	368·1	35·5
5·2034	363·4	42·9
5·2097	374·0	44·4
5·2084	368·7	45·0
5·2094	369·7	48·6
5·2066	363·9	49·2
5·2067	368·5	49·5
5·2082	362·1	49·3
5·1914	364·2	48·0
5·1899	365·7	48·2
5·2127	372·8	49·9
5·2141	364·7	49·1
5·2165	372·1	50·5

I. 18 Deflecting 3·67 inches.

Vibration.	Results.				Means.			Monthly Means.		Date.	
			Bifilar.			Bifilar.					
Log. Values of m X	m	X	Mean reading on day of observation.	Temperature.	Values of X	Sc. Div.	Temperature.	Bifilar at 55°	Values of X		
				°			°			1848	
0·22382	0·4739	3·5217									
0·22316	0·4723	3·5263	653·6	50·1						19	
	0·4745	3·5258									
0·22287	0·4748	3·5223									
0·22378	0·4743	3·5259	656·5	46·9	3·5248	657·6	46·5	632·5	3·5241	20	December.
	0·4732	3·5265									
0·22280	0·4742	3·5242									
0·22307	0·4743	3·5235	662·8	42·6						21	
	0·4740	3·5270									
										1849	
0·22206	0·4735	3·5222									
0·22217	0·4738	3·5201	369·1	40·2						15	
	0·4738	3·5212									
0·22252	0·4736	3·5266									
0·22293	0·4729	3·5280	371·2	36·3	3·5249	370·6	38·5	367·3	3·5272	16	January.
	0·4736	3·5275									
0·22284	0·4737	3·5250									
0·22234	0·4736	3·5251	371·4	39·1						17	
	0·4734	3·5280									
0·22255	0·4733	3·5275									
0·22247	0·4733	3·5272	371·5	29·3						17	
	0·4734	3·5268									
0·22170	0·4729	3·5252									
0·22215	0·4731	3·5239	369·6	29·8	3·5246	369·7	30·8	364·1	3·5270	19	February.
	0·4728	3·5260									
0·22146	0·4729	3·5226									
0·22163	0·4731	3·5213	368·1	33·4						20	
	0·4730	3·5212									
0·22310	0·4734	3·5274									
	0·4733	3·5276	368·0	43·7						19	
0·22212	0·4731	3·5298									
0·22226	0·4734	3·5239									
	0.4730	3·5268	369·0	46·2	3·5274	368·1	46·2	365·6	3·5277	20	March.
0·22217	0·4729	3·5276									
0·22263	0·4733	3·5282									
	0·4735	3·5271	367·2	48·6						21	
0·22265	0·4734	3·5278									
0·22231	0·4735	3·5352									
	0·4739	3·5321	369·9	50·2						19	
0·22509	0·4736	3·5243									
0·22534	0·4734	3·5336									
	0·4733	3·5345	370·6	48·9	3·5299	370·3	49·4	368·7	3·5300	20	April.
0·22156	0·4734	3·5341									
0·22132	0·4731	3·5245									
	0·4720	3·5253	370·4	49·2						21	
0·22092	0·4720	3·5256									

Magnets employed I. 15 suspended 3·00 inches;

Date.	Experiments of Deflection.						Experiments of
	Temperature of Magnet.	Distances. r, r_1, r_{11} &c.	Angles. u, u_1, u^{11}, &c. reduced to Temperature of 50°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k = \cdot00036$ $\gamma = \cdot000114$ Sc. Div.	Therm.	Log. Values of $\frac{m}{X}$	Temperature of Magnet.
1849	°	Feet.	° ′ ″		°		°
May. 16	57·6	1·0+½ l	10 05 18	366·6	59·0	9·12582	56·8
	58·3	1·1 ,,	7 48 59	369·9	59·4	9·12529	
	59·2	1·2 ,,	6 13 06	369·3	59·9	9·12649	58·2
May. 17	60·3	1·0 ,,	10 05 09	364·8	60·6	9·12675	57·2
	59·7	1·1 ,,	7 50 53	363·5	61·1	9·12704	
	59·7	1·2 ,,	6 13 26	364·9	61·5	9·12691	59·6
May. 18	60·3	1·0 ,,	10 04 06	366·0	61·1	9·12613	56·9
	61·2	1·1 ,,	7 50 01	371·7	61·2	9·12632	
	61·7	1·2 ,,	6 12 49	370·8	61·6	9·12620	61·5
June. 18	74·2	1·0+½ l	10 03 23	367·5	70·5	9·12568	71·0
	74·1	1·1 ,,	7 49 19	369·1	70·5	9·12579	
	74·2	1·2 ,,	6 11 36	369·3	70·5	9·12475	76·6
June. 19	75·9	1·0 ,,	10 03 00	362·1	70·1	9·12542	72·0
	78·4	1·1 ,,	7 48 42	367·3	73·4	9·12540	
	79·7	1·2 ,,	6 12 10	371·2	73·8	9·12570	78·0
June. 20	79·9	1·0 ,,	10 03 08	363·8	74·3	9·12557	78·7
	81·7	1·1 ,,	7 49 28	362·5	75·9	9·12603	
	83·0	1·2 ,,	6 12 59	365·0	77·8	9·12664	83·0
July. 17	76·0	1·0+½ l	10 01 43	348·3	68·6	9·12453	74·5
	77·4	1·1 ,,	7 48 19	352·0	70·3	9·12496	
	77·9	1·2 ,,	6 11 15	352·6	71·6	9·12460	76·0
July. 18	79·1	1·0 ,,	10 01 40	350·1	71·8	9·12451	75·0
	80·0	1·1 ,,	7 48 11	354·6	73·2	9·12483	
	80·2	1·2 ,,	6 11 46	356·9	74·5	9·12523	79·4
July. 19	83·5	1·0 ,,	10 02 38	344·5	75·5	9·12523	78·2
	85·7	1·1 ,,	7 48 50	348·9	78·2	9·12549	
	85·2	1·2 ,,	6 11 54	350·1	79·4	9·12543	84·5
August. 16	72·0	1·0+½ l	10 00 24	337·0	68·6	9·12351	68·7
	73·1	1·1 ,,	7 47 30	338·0	69·1	9·12410	
	73·8	1·2 ,,	6 10 34	339·5	69·7	9·12374	72·8
August. 17	77·8	1·0 ,,	9 59 46	335·6	71·8	9·12314	73·5
	76·2	1·1 ,,	7 47 37	337·7	72·5	9·12425	
	76·0	1·2 ,,	6 10 55	338·9	73·0	9·12419	75·5
August. 18	77·8	1·0 ,,	10 00 58	335·7	73·1	9·12400	74·2
	78·0	1·1 ,,	7 47 35	337·0	73·5	9·12424	
	78·1	1·2 ,,	6 11 09	340·4	74·3	9·12447	77·8
September. 19	62·0	1·0+½ l	10 00 22	327·6	60·7	9·12336	58·8
	62·0	1·1 ,,	7 47 55	330·5	60·8	9·12435	
	61·7	1·2 ,,	6 10 30	334·3	61·4	9·12353	61·7
September. 20	64·2	1·0 ,,	9 59 48	328·8	60·5	9·12299	60·2
	64·1	1·1 ,,	7 46 22	331·3	61·4	9·12294	
	64·2	1·2 ,,	6 10 35	334·2	62·1	9·12364	64·0
September. 21	69·7	1·0 ,,	9 59 04	332·6	63·0	9·12254	64·8
	69·1	1·1 ,,	7 46 11	332·8	64·1	9·12283	
	69·9	1·2 ,,	6 10 20	334·2	64·7	9·12342	68·8

Experiments of			
Time of one vibration corrected for torsion of thread and rate of Chronometer, also reduced to Temperature of 50°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k = \cdot00036$ Sc. Div.	$\gamma = \cdot000114$ Therm.
Seconds.		°
5·2057	364·6	58·7
5·2046	366·4	60·3
5 2031	364·3	59·8
5·2042	364·4	61·8
5·2041	360·8	60·3
5·2031	368·4	61·7
5·2086	367·0	69·0
5·2122	367·0	72·3
5·2043	363 5	69·3
5·2074	366·5	74·9
5·2060	364·6	76·2
5.2314	366·8	78·3
5·2096	345·6	68·2
5·1985	353·9	72·0
5·2115	346·7	70·5
5·2117	356·0	75·3
5·2158	341·6	73·0
5·2136	351·4	80·3
5·2230	335·1	68·1
5·2206	342·2	70·2
5·2194	334·5	71·3
5·2191	339·8	73·2
5·2227	329·9	72·4
5·2221	339·0	74·7
5·2286	325·5	60·6
5·2282	335·1	61·4
5·2280	327·7	60·2
5·2284	334·5	62·1
5·2202	331·5	62·9
5·2282	337·0	65·2

I. 18 Deflecting 3·67 inches.

Vibration.	Results.				Means.			Monthly Means.		Date.
			Bifilar.			Bifilar.		Bifilar at 55°	Values of X	
Log. Values of m X	m	X	Mean reading on day of observation.	Temperature.	Values of X	Sc. Div.	Temperature.			
				°			°			1849
0·22281	0·4730	3·5318	369·1	59·2						16
	0·4721	3·5381								
0·22300	0·4728	3·5340								
0·22325	0·4731	3·5340								
	0·4733	3·5324	366·9	60·6	3·5345	368·4	60·2	369·6	3·5340	17 May.
0·22307	0·4732	3·5320								
0·22307	0·4728	3·5302								
	0·4729	3·5354	369·1	60·8						
0·23282	0·4728	3·5359								18
0·22237	0·4722	3·5337								
	0·4723	3·5332	368·4	70·5						18
0·22184	0·4719	3·5366								
0·22327	0·4726	3·5382								
	0·4725	3·5382	368·0	72·4	3·5358	367·0	73·0	370·2	3·5328	19 June.
0·22266	0·4727	3·5370								
0·22289	0·4726	3·5373								
	0·4728	3·5354	364·6	76·2						20
—	0·4732	3·5329								
0·22226	0·4714	3·5382								
	0·4716	3·5365	352·0	70·3						17
0·22191	0·4713	3·5379								
0·22195	0·4712	3·5377								
	0·4714	3·5369	351·4	73·2	3·5353	350·8	73·2	356·2	3·5350	18 July.
0·22194	0·4716	3·5352								
0·22116	0·4712	3·5321								
	0·4714	3·5315	349·0	76·0						19
0·22164	0·4714	3 5318								
0·22000	0·4698	3 5347								
	0·4701	3·5323	338·5	68·9						16
0·22042	0·4699	3 5338								
0·22062	0·4698	3·5381								
	0·4704	3·5336	338·6	70·9	3·5334	338·2	70·8	344·4	3·5350	17 August.
0·22068	0·4705	3·5338								
0·22008	0·4699	3·5325								
	0·4701	3·5315	337·5	72·6						18
0·22019	0·4697	3·5305								
	0·4690	3·5306								
0·21903	0·4695	3·5266	333·4	60·6						19
	0·4691	3·5291								
	0·4688	3·5323								
0·21910	0·4688	3·5325	334·0	61·1	3·5320	334·0	61·7	337·3	3·5333	20 September.
	0·4692	3·5297								
	0·4689	3·5370								
0·21980	0·4690	3·5358	334·5	63·5						21
	0·4694	3·5334								

Magnets employed I. 15 suspended 3·00 inches;

Date.	Experiments of Deflection.						Experiments of			
	Temperature of Magnet.	Distances. r, r', r'', &c.	Angles. α, α', α'', &c. reduced to Temperature of 50°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k = \cdot00036$ $q = \cdot000114$ Sc. Div.	Therm.	Log. Value of $\frac{m}{\Sigma}$	Temperature of Magnet.	Time of one vibration corrected for torsion of thread and rate of Chronometer, also reduced to Temperature of 50°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k = \cdot00036$ $q = \cdot000114$ Sc. Div.	Therm.
1849	°	Feet.	° ′ ″		°		°	Seconds.		°
October. 16	57·6	1·0+½l	10 00 38	332·7	56·7	9·12349	57·4	5·2363	332·2	56·7
	58·1	1·1 ,,	7 46 55	333·7	56·8	9·12336				
	58·1	1·2 ,,	6 10 12	335·2	57·1	9·12310	57·8	5·2335	336·0	57·2
17	58·4	1·0 ,,	10 00 13	331·5	58·8	9·12320	53·6	5·2325	330·2	58·7
	58·0	1·1 ,,	7 47 21	335·1	59·0	9·12376				
	58·2	1·2 ,,	6 10 20	337·8	59·3	9·12326	59·6	5·2333	338·2	59·7
18	54·3	1·0 ,,	10 01 25	330·7	56·2	9·12300	51·0	5·2309	330·0	55·9
	55·5	1·1 ,,	7 46 27	332·4	56·4	9·12289				
	56·9	1·2 ,,	6 10 04	337·4	55·1	9·12294	55·6	5·2321	333·7	57·4
November. 16	57·1	1·0+½l	9 59 38	332·3	50·0	9·12277	46·4	5·2322	333·7	49·6
	57·6	1·1 ,,	7 46 25	334·0	50·4	9·12291				
	56·4	1·2 ,,	6 09 38	335·8	50·4	9·12242	52·4	5·2365	336·9	51·4
17	55·3	1·0 ,,	9 59 03	332·6	50·9	9·12242				
	62·0	1·1 ,,	7 45 41	334·4	51·2	9·12228	59·2	5·2319	338·2	52·3
	59·3	1·2 ,,	6 10 21	338·3	51·9	9·12330				
19	65·0	1·0 ,,	10 00 10	331·4	52·5	9·12326	53·3	5·2275	332·5	52·2
	62·2	1·1 ,,	7 45 55	330·6	52·9	9·12251				
	57·0	1·2 ,,	6 10 11	333·8	53·2	9·12308	56·0	5·2358	336·1	53·6
December. 18	51·7	1·0+½l	9 58 48	331·0	42·5	9·12210	37·8	5·2396	332·1	42·2
	52·5	1·1 ,,	7 46 01	330·7	42·7	9·12245				
	53·3	1·2 ,,	6 09 25	331·8	42·8	9·12213	52·8	5·2396	333·7	43·3
19	54·5	1·0 ,,	9 58 35	332·0	42·5	9·12198	44·4	5·2373	332·5	42·1
	54·0	1·1 ,,	7 45 30	333·3	42·9	9·12200				
	53·7	1·2 ,,	6 09 24	333·3	43·3	9·12212	54·5	5·2366	333·2	43·8
20	58·1	1·0 ,,	9 58 45	332·5	52·2	9·12215	50·8	5·2395	333·2	52·0
	59·1	1·1 ,,	7 46 08	331·0	52·3	9·12266				
	57·8	1·2 ,,	6 08 56	329·0	52·6	9·12163	55·9	5·2381	330·7	52·8
1850										
January. 16	63·5	1·0+½l	9 58 20	334·0	46·7	9·12191	44·4	5·2384	331·9	46·2
	67·9	1·1 ,,	7 45 06	335·3	46·9	9·12243				
	59·4	1·2 ,,	6 09 31	336·2	47·4	9·12233	58·0	5·2396	336·0	47·5
17	53·3	1·0 ,,	9 58 11	333·3	48·4	9·12168	39·0	5·2392	331·5	48·1
	60·8	1·1 ,,	7 44 38	334·2	48·5	9·12129				
	59·5	1·2 ,,	6 09 00	335·3	48·8	9·12180	57·3	5·2384	336·4	49·1
18	56·8	1·0 ,,	9 58 32	332·1	48·5	9·12199	39·2	5·2416	334·0	48·0
	66·1	1·1 ,,	7 45 48	330·8	48·8	9·12244				
	62·5	1·2 ,,	6 09 32	331·7	48·8	9·12265	60·7	5·2431	334·1	48·5
February. 16	55·6	1·0+½l	9 58 54	319·7	42·1	9·12223	28·5	5·2445	319·1	41·6
	61·2	1·1 ,,	7 45 17	321·9	42·4	9·12188				
	54·2	1·2 ,,	6 09 08	324·3	43·6	9·12181	52·0	5·2414	326·4	44·6
18	59·2	1·0 ,,	9 58 26	322·5	46·2	9·12193	58·0	5·2376	323·3	46·0
	58·0	1·1 ,,	7 45 21	324·1	46·8	9·12191				
	54·7	1·2 ,,	6 09 25	327·5	47·4	9·12215	52·0	5·2391	328·5	47·4
19	49·4	1·0 ,,	9 58 10	324·0	45·9	9·12161	30·5	5·2405	326·8	46·5
	48·3	1·1 ,,	7 44 17	322·3	45·5	9·12080				
	58·0	1·2 ,,	6 08 31	322·6	45·2	9·12115	50·8	5·2405	325·3	45·2

I. 18 Deflecting 3·67 inches.

Vibration. Log. Values of m X	Results. m	Results. X	Results. Biflar. Mean reading on day of observation.	Results. Biflar. Temperature.	Means. Values of X	Means. Biflar. Sc. Div.	Means. Biflar. Temperature.	Monthly Means. Biflar at 55°	Monthly Means. Values of X	Date.
				°			°			1849
0·21796	0·4685	3·5256								
	0·4685	3·5262	335·1	57·1						16 October.
	0·4683	3·5273								
	0·4685	3·5281								
0·21828	0·4689	3·5259	336·5	58·5	3·5279	336·0	57·3	334·6	3·5253	17 October.
	0·4686	3·5280								
	0·4686	3·5299								
0·21850	0·4685	3·5303	336·3	56·2						18 October.
	0·4685	3·5301								
	0·4682	3·5287								
0·21801	0·4683	3·5282	337·4	51·0						16 November.
	0·4680	3·5302								
	0·4682	3·5320								
0·21846	0·4681	3·5327	338·1	51·7	3·5300	336·9	51·9	334·9	3·5288	17 November.
	0·4687	3·5285								
	0·4686	3·5287								
0·21848	0·4683	3·5318	335·3	53·0						19 November.
	0·4686	3·5294								
	0·4674	3·5280								
0·21715	0·4676	3·5266	332·8	43·0						18 December.
	0·4674	3·5279								
	0·4675	3·5303								
0·21757	0·4675	3·5301	334·3	44·4	3·5286	332·7	46·4	329·1	3·5275	19 December.
	0·4676	3·5297								
	0·4675	3·5284								
0·21728	0·4677	3·5263	331·1	51·9						20 December.
	0·4672	3·5305								
										1850
	0·4669	3·5291								
0·21724	0·4675	3·5270	335·4	47·2						16 January.
	0·4675	3·5275								
	0·4672	3·5306								
0·21736	0·4670	3·5322	335·9	48·8	3·5280	334·8	47·7	328·0	3·5223	17 January.
	0·4673	3·5301								
	0·4670	3·5267								
0·21673	0·4672	3·5249	333·1	47·2						18 January.
	0·4674	3·5241								
	0·4671	3·5250								
0·21652	0·4669	3·5264	326·0	43·7						16 February.
	0·4669	3·5267								
	0·4674	3·5296								
0·21737	0·4674	3·5297	325·8	46·8	3·5284	326·3	44·9	321·7	3·5265	18 February.
	0·4675	3·5287								
	0·4670	3·5253								
0·21699	0·4666	3·5327	327·0	44·3						19 February.
	0·4668	3·5312								

Magnets employed I. 15 suspended 3·00 inches;

Date.	Experiments of Deflection.						Experiments of
	Temperature of Magnet.	Distances. r, r', r'', &c.	Angles. u, u', u'', &c. reduced to Temperature of 56°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k=\cdot00036$ Sc. Div.	Bifilar Magnetometer. $q=\cdot000114$ Therm.	Log. Values of $\frac{m}{X}$	Temperature of Magnet.
1850	°	Feet.	° ′ ″		°		°
March. 18	69·0	1·0+½ l	9 58 12	317·8	44·6	9·12191	42·6
	66·3	1·1 ,,	7 44 21	320·1	44·8	9·12110	
	61·8	1·2 ,,	6 09 33	322·3	45·1	9·12242	57·8
19	68·3	1·0 ,,	9 57 14	319·5	44·6	9·12118	38·5
	73·3	1·1 ,,	7 44 09	319·2	44·9	9·12100	
	70·4	1·2 ,,	6 08 24	320·8	45·3	9·12117	63·2
20	56·3	1·0 ,,	9 57 04	321·1	44·3	9·12091	29·3
	62·3	1·1 ,,	7 44 51	322·2	44·8	9·12150	
	61·2	1·2 ,,	6 08 55	323·7	45·5	9·12167	55·0
April. 17	52·9	1·0+½ l	9 57 46	315·9	43·8	9·12131	33·3
	54·0	1·1 ,,	7 44 54	318·9	44·0	9·12144	
	53·9	1·2 ,,	6 08 21	321·8	44·4	9·12089	52·4
18	63·8	1·0 ,,	9 57 25	320·8	47·0	9·12122	38·3
	64·6	1·1 ,,	7 44 42	322·3	47·2	9·12140	
	64·2	1·2 ,,	6 08 52	322·4	47·3	9·12162	62·5
19	65·2	1·0 ,,	9 57 15	317·2	49·1	9·12116	48·5
	65·2	1·1 ,,	7 44 46	317·9	49·5	9·12147	
	61·3	1·2 ,,	6 08 03	322·9	50·2	9·12102	60·8
May. 18	51·6	1·0+½ l	9 58 04	313·3	50·9	9·12156	48·0
	53·0	1·1 ,,	7 45 15	316·4	51·7	9·12176	
	54·7	1·2 ,,	6 08 50	318·3	52·6	9·12146	53·9
20	63·1	1·0 ,,	9 57 45	312·4	47·2	9·12145	50·2
	64·4	1·1 ,,	7 44 40	315·7	47·1	9·12136	
	62·1	1·2 ,,	6 08 13	318·2	46·8	9·12084	50·8
21	56·9	1·0 ,,	9 58 00	314·9	47·4	9·12159	49·5
	58·1	1·1 ,,	7 44 40	315·9	48·0	9·12128	
	57·9	1·2 ,,	6 08 42	317·7	49·1	9·12134	58·0
June. 17	68·0	1·0+½ l	9 57 50	314·9	62·9	9·12161	63·3
	68·5	1·1 ,,	7 43 33	316·8	64·2	9·12037	
	70·2	1·2 ,,	6 08 07	316·8	65·3	9·12081	70·3
18	75·9	1·0 ,,	9 56 42	315·0	69·3	9·12079	71·0
	77·6	1·1 ,,	7 42 34	318·2	70·1	9·11946	
	78·0	1·2 ,,	6 07 07	319·3	72·3	9·11961	78·2
19	79·7	1·0 ,,	9 53 14	315·3	73·5	9·11844	75·3
	79·8	1·1 ,,	7 43 04	316·3	74·0	9·12022	
	80·2	1·2 ,,	6 07 57	315·6	75·2	9·12077	80·7
July. 16	79·7	1·0+½ l	9 15 36	319·0	75·9	9·09019	76·8
	80·4	1·1 ,,	7 12 54	317·9	76·4	9·09019	
	80·5	1·2 ,,	5 43 03	319·6	76·6	9·09141	79·9
17	85·1	1·0 ,,	9 17 15	317·1	79·6	9·09169	81·9
	82·7	1·1 ,,	7 11 30	317·7	79·8	9·08963	
	79·0	1·2 ,,	5 42 41	319·1	79·7	9·08996	80·2
18	70·5	1·0 ,,	9 13 31	315·6	68·4	9·08851	68·0
	71·8	1·1 ,,	7 11 20	320·1	68·5	9·08931	
	73·4	1·2 ,,	5 42 46	329·3	69·3	9·09002	77·8

Experiments of			
Time of one vibration corrected for torsion of thread and rate of Chronometer, also reduced to Temperature of 56°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k=\cdot00036$ Sc. Div.	Bifilar Magnetometer. $q=\cdot000114$ Therm.
Seconds.		°
5·2381	318·1	44·2
5·2377	323·3	45·2
5·2382	320·5	44·6
5·2293	323·7	46·1
5·2409	321·8	43·6
5·2405	325·4	46·4
5·2398	314·9	44·0
5·2402	323·0	44·9
5·2403	315·7	45·9
5·2411	324·2	47·6
5·2392	317·0	48·4
5·2402	324·0	51·3
5·2387	309·6	50·5
5·2406	317·2	53·4
5·2400	310·6	47·2
5·2432	320·4	46·9
5·2418	313·1	47·1
5·2401	316·1	50·1
5·2443	312·6	62·5
5·2466	316·2	65·7
5·2432	313·9	68·2
5·2418	318·9	73·8
5·2518	316·0	72·2
5·4460	313·1	75·4
5·4433	320·2	76·7
5·4458	315·0	78·6
5·4429	319·9	79·1
5·4522	314·0	68·9
5·4436	320·0	69·8

I. 18 Deflectlog 3·67 inches.

Vibration. Log. Values of m X	Results. m	Results. X	Results. Bifilar. Mean reading on day of observation.	Results. Bifilar. Temperature.	Means. Values of X	Means. Bifilar. Sc. Div.	Means. Bifilar. Temperature.	Monthly Means. Bifilar at 55°	Monthly Means. Values of X	Date.
				°			°			1850
0·21739	0·4673	3·5298	323·4	44·9						18 March.
	0·4669	3·5331								
	0·4676	3·5277								
0·21730	0·4669	3·5324	324·7	46·5	3·5310	324·3	45·6	318·9	3·5278	19
	0·4668	3·5331								
	0·4670	3·5325								
0·21690	0·4666	3·5319	324·9	45·5						20
	0·4668	3·5299								
	0·4670	3·5288								
0·21703	0·466	3·5303	321·4	44·6						17 April.
	0·4670	3·5302								
	0·4667	3·5125								
0·21695	0·4667	3·5308	321·0	46·9	3·5309	321·1	47·2	318·9	3·5312	18
	0·4668	3·5305								
	0·4670	3·5291								
0·21714	0·4671	3·5318	320·8	50·1						19
	0·4669	3·5306								
	0·4667	3·5324								
0·21713	0·4671	3·5301	315·0	52·1						18 May.
	0·4672	3·5293								
	0·4670	3·5305								
0·21681	0·4668	3·5293	315·6	47·3	3·5300	315·5	49·4	316·4	3·5333	20
	0·4667	3·5296								
	0·4665	3·5317								
0·21693	0·4664	3·5291	315·8	48·8						21
	0·4668	3·5304								
	0·4668	3·5303								
0·21622	0·4665	3·5262	316·4	64·7						17 June.
	0·4658	3·5313								
	0·4661	3·5295								
0·21681	0·4665	3·5316	317·8	70·8	3·5319	316·5	69·9	321·1	3·5319	18
	0·4658	3·5374								
	0·4659	3·5367								
0·21576	0·4647	3·5370	315·3	74·2						19
	0·4655	3·5300								
	0·4658	3·5278								
0·18395	0·4335	3·5228	315·7	75·7						16 July.
	0·4335	3·5228								
	0·4392	3·5179								
0·18402	0·4343	3·5170	318·7	77·3	3·5239	318·0	74·4	321·7	3·5210	17
	0·4333	3·5253								
	0·4335	3·5240								
0·18440	0·4330	3·5314	319·5	70·2						18
	0·4334	3·5282								
	0·4357	3·5254								

Magnets employed I. 15 suspended 3·00 inches;

Date.		Experiments of Deflection.						Experiments of			
		Temperature of Magnet.	Distances.	Angles.	Bifilar Magnetometer.		Log. Values of $\frac{m}{X}$	Temperature of Magnet.	Time of one vibration corrected for torsion of thread and rate of Chronometer, also reduced to Temperature of 50°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer.	
					$k = \cdot00036$	$q = \cdot000114$				$k = \cdot00036$	$q = \cdot000114$
			r, r', r'', &c.	u, u', u'', &c. reduced to Temperature of 50°, and to the mean Bifilar reading on the day of observation.	Sc. Div.	Therm.				Sc. Div.	Therm.
1850		°	Feet.	° ′ ″		°		°	Seconds.		°
August.	16	72·0	1·0+½ l	9 15 00	316·7	68·3	9·08969	68·2	5·4521	313·6	67·9
		70·9	1·1 ,,	7 13 35	318·9	68·8	9·09155				
		71·8	1·2 ,,	5 44 06	317·2	68·8	9·09168	69·8	5·4565	313·7	68·6
	17	67·8	1·0 ,,	9 16 43	314·8	64·8	9·09095	65·6	5·4511	311·0	64·6
		67·5	1·1 ,,	7 13 11	314·5	65·0	9·09111				
		67·8	1·2 ,,	5 43 36	316·4	65·3	9·09098	67·8	5·4552	315·8	65·4
	19	69·4	1·0 ,,	9 17 34	309·2	66·5	9·09164	68·6	5·4492	306·8	66·3
		68·7	1·1 ,,	7 13 34	312·0	66·6	9·09150				
		68·1	1·2 ,,	5 43 53	310·7	66·8	9·09133	68·6	5·4493	310·7	66·7
September.		66·3	1·0+½ l	9 15 54	307·5	60·9	9·09026	62·0	5·4528	305·0	59·9
	16	66·6	1·1 ,,	7 12 33	310·7	62·0	9·09047				
		67·5	1·2 ,,	5 43 04	310·0	62·5	9·09038	68·2	5·4552	308·4	63·1
		65·7	1·0 ,,	9 15 39	307·4	61·1	9·09010	60·7	5·4523	304·0	60·4
	17	67·2	1·1 ,,	7 12 57	310·4	62·4	9·09086				
		67·6	1·2 ,,	5 43 17	310·7	63·0	9·09056	67·8	5·4522	310·3	63·6
		72·3	1·0 ,,	9 16 15	307·1	66·5	9·09066	69·6	5·4513	304·2	65·8
	18	72·2	1·1 ,,	7 12 54	311·6	67·2	9·09086				
		72·6	1·2 ,,	5 43 24	313·8	68·2	9·09078	72·1	5·4556	312·2	68·6
October.		62·2	1·0+½ l	9 12 57	313·1	51·6	9·08797	50·4	5·4538	311·6	50·7
	15	65·4	1·1 ,,	7 09 22	313·4	51·5	9·08725				
		65·3	1·2 ,,	5 41 05	313·2	52·5	9·08775				
		64·2	1·0 ,,	9 12 48	314·7	52·9	9·08787	61·6	5·4570	311·1	53·4
		58·0	1·0 ,,	9 12 43	312·7	53·5	9·08773	54·0	5·4567	312·2	52·7
	16	60·5	1·1 ,,	7 10 01	313·1	54·3	9·08776				
		60·5	1·2 ,,	5 42 17	315·0	55·1	9·08823				
		59·9	1·0 ,,	9 12 53	315·5	56·0	9·08789	58·0	5 4539	314·8	57·7
	17	64·5	1·0 ,,	9 12 42	311·6	59·6	9·08782	60·2	5·4508	313·7	58·3
November.		44·0	1·0+½ l	9 10 29	310·0	45·5	9·08580	41·9	5·4582	309·0	45·3
	19	50·6	1·1 ,,	7 08 49	311·9	46·0	9·08651				
		51·7	1·2 ,,	5 40 53	315·5	46·8	9·08731	53·3	5·4557	315·3	47·5
		54·7	1·0 ,,	9 10 26	309·2	47·2	9·08590	48·3	5·4526	306·9	47·2
	20	62·8	1·1 ,,	7 09 04	312·8	47·4	9·08692				
		60·6	1·2 ,,	5 40 36	315·2	47·6	9·08709	60·7	5·4531	313·7	47·8
		56·3	1·0 ,,	9 12 12	309·7	46·4	9·08731	42·6	5·4532	309·4	46·2
	21	61·8	1·1 ,,	7 09 17	313·5	46·3	9·08713				
		66·1	1·2 ,,	5 40 56	314·0	46·3	9·08757	63·4	5·4527	312·8	46·6
December.		—	1·0+½ l	9 12 30	310·3	41·9	9·08745	41·2	5·4547	310·2	41·4
	16	—	1·1 ,,	7 09 06	311·2	43·4	9·08679				
		55·7	1·2 ,,	5 41 42	311·9	43·3	9·08741	55·1	5·4666	312·6	43·2
		49·7	1·0 ,,	9 11 57	305·4	41·2	9·08701	30·3	5·4583	303·2	41·7
	17	65·4	1·1 ,,	7 09 50	307·3	41·0	9·08773				
		59·5	1·2 ,,	5 40 55	306·0	41·1	9·08747	54·9	5·4676	309·6	41·2
		50·7	1·0 ,,	9 12 16	306·8	43·5	9·08728	28·7	5·4692	305·5	43·9
	18	54·4	1·1 ,,	7 09 28	305·5	43·4	9·08731				
		54·1	1·2 ,,	5 40 54	311·9	43·7	9·08739	49·2	5·4642	311·0	43·6

I. 18 Deflecting 3·67 inches.

Vibration. Log. Values of m X	Results. m	Results. X	Biflar. Mean reading on day of observation.	Biflar. Temperature.	Means. Values of X	Means. Biflar. Sc. Div.	Means. Biflar. Temperature.	Monthly Means. Biflar at 55°	Monthly Means. Values of X	Date.
				°			°			1850
0·18238	0·4325	3·5184	313·7	66·9						16 August.
	0·4335	3·5109								
	0·4335	3·5104								
0·18256	0·4333	3·5141	312·8	64·7	3·5138	312 4	66·0	320·1	3·5192	17 August.
	0·4334	3·5134								
	0·4333	3·5139								
0·18317	0·4339	3·5138	310·6	66·3						19 August.
	0·4338	3·5143								
	0·4337	3·5150								
	0·4328	3·5158								
0·18237	0·4329	3·5153	308·2	61·5						16 September.
	0·4328	3·5157								
	0·4328	3·5180								
0·18266	0·4334	3·5148	309·4	62·7	3·5155	308·9	63·6	311·8	3·5159	17 September.
	0·4331	3·5161								
	0·4330	3·5151								
0·18251	0·4331	3·5142	309·1	66·5						18 September.
	0·4331	3·5146								
	0·4318	3·5243								
0·18209	0·4315	3·5272	313·2	52·6						15 October.
	0·4318	3·5252								
	0·4318	3·5247								
0·18212	0·4318	3·5253	314·7	55·3	3·5252	314·5	55·9	312·5	3·5223	16 October.
	0·4319	3·5249								
	0·4321	3·5233								
0·18262	0·4319	3·5247	315·6	59·7						17 October.
	0·4321	3·5270								
	0·4304	3·5319								
0·18182	0·4307	3·5291	313·3	46·7						19 November.
	0·4311	3·5258								
	0·4308	3·5347								
0·18258	0·4312	3·5305	312·5	48·0	3·5297	312·8	47·0	311·5	3·5312	20 November.
	0·4313	3·5298								
	0·4314	3·5285								
0·18248	0·4313	3·5292	312·8	46·3						21 November.
	0·4315	3·5275								
	0·4264	3·5229								
0·18123	0·4306	3·5255	308·7	41·7						16 December.
	0·4309	3·5231								
	0·4305	3·5230								
0·18084	0·4307	3·5201	308·3	43·4	3·5219	308·9	43·5	306·4	3·5233	17 December.
	0·4307	3·5211								
	0·4303	3·5195								
0·18022	0·4303	3·5194	309·7	45·5						18 December.
	0·4307	3·5221								

Magnets employed I. 15 suspended 3·00 inches;

Date.		Experiments of Deflection.						Experiments of
		Temperature of Magnet.	Distances. l, r', r'', &c.	Angles. u, u', u'', &c. reduced to Temperature of 50°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k = \cdot00036$ $q = \cdot000114$ Sc. Div.	Bifilar Magnetometer. Therm.	Log. Values of $\frac{m}{X}$	Temperature of Magnet.
1851		°	Feet.	° ′ ″		°		°
January.	15	49·0	$1{\cdot}0+\frac{1}{2}l$	9 11 51	302·2	48·2	9·08694	39·8
		48·8	1·1 ,,	7 09 00	301·0	48·6	9·08668	
	16	57·4	1·2 ,,	5 40 30	306·2	49·2	9·08691	55·6
		68·3	1·0 ,,	9 12 15	304·8	48·9	9·08747	49·2
		66·5	1·1 ,,	7 09 28	303·4	48·5	9·08736	
		63·2	1·2 ,,	5 41 00	303·5	48·6	9·08762	61·0
	17	57·7	1·0 ,,	9 12 02	298·7	43·9	9·08719	33·3
		55·8	1·1 ,,	7 09 37	298·4	44·1	9·08738	
		53·4	1·2 ,,	5 40 40	300·0	44·5	9·08707	53·6
February.	17	70·7	$1{\cdot}0+\frac{1}{2}l$	9 10 50	302·3	39·9	9·08645	41·6
		70·2	1·1 ,,	7 08 29	301·3	40·1	9·08643	
		61·5	1·2 ,,	5 40 34	304·7	40·6	9·08535	58·7
	18	46·7	1·0 ,,	9 12 11	300·6	43·2	9·08717	31·9
		52·6	1·1 ,,	7 09 25	302 3	43·4	9·08714	
		50·3	1·2 ,,	5 41 37	305·4	44·3	9·08823	49·7
	19	62·4	1·0 ,,	9 12 08	295·4	45·3	9·08732	45·1
		57·6	1·1 ,,	7 09 30	296·6	45·7	9·08727	
		54·6	1·2 ,,	5 40 20	295·5	46·2	9·08675	52·0
March.	17	55·5	$1{\cdot}0+\frac{1}{2}l$	9 10 33	294·3	45·5	9·08600	49·4
		55·8	1·1 ,,	7 08 40	299·3	46·7	9·08646	
		58·2	1·2 ,,	5 39 57	300·9	46·1	9·08613	55·4
	18	61·5	1·0 ,,	9 12 18	295·3	45·7	9·08745	42·2
		64·8	1·1 ,,	7 09 39	296·3	45·9	9·08753	
		59·9	1·2 ,,	5 39 42	301·4	47·4	9·08593	61·0
	19	55·3	1·0 ,,	9 10 25	294·5	43·6	9·08591	46·2
		59·2	1·1 ,,	7 08 20	295·3	43·8	9·08613	
		62·3	1·2 ,,	5 39 55	299·6	44·2	9·08623	62·7
April.	15	57·4	$1{\cdot}0+\frac{1}{2}l$	9 11 01	297·5	48·3	9·08639	47·7
		56·9	1·1 ,,	7 08 05	298·7	49·8	9·08586	
		56·3	1·2 ,,	5 39 45	299·2	50·1	9·08593	54·0
	16	56·7	1·0 ,,	9 10 06	294·4	51·4	9·08567	45·3
		62·5	1·1 ,,	7 08 02	299·1	51·9	9·08586	
		64·5	1 2 ,,	5 39 55	301·7	52·5	9·08627	64·2
	17	54·5	1·0 ,,	9 11 14	294·9	55·3	9·08653	51 5
		53·8	1·1 ,,	7 08 39	296·1	55·6	9·08638	
		54·8	1·2 ,,	5 39 57	301·8	55·7	9·08616	52·2
May.	15	57·6	$1{\cdot}0+\frac{1}{2}l$	9 10 06	292·1	57·7	9·08563	56·3
		57·0	1·1 ,,	7 07 35	293·2	58·2	9·08536	
		57·3	1·2 ,,	5 39 53	295·2	58·5	9·08611	57·7
	16	60·8	1·0 ,,	9 10 01	293·3	58·6	9·08565	56·5
		61·9	1·1 ,,	7 09 20	294·4	59·3	9·08732	
		62·3	1·2 ,,	5 38 56	294·8	60·0	9·08492	62·9
	17	66·0	1·0 ,,	9 10 34	289·5	61·9	9·08616	65·2
		66·3	1·1 ,,	7 08 02	290·8	62·3	9·08592	
		65·9	1 2 ,,	5 39 45	290·0	63·0	9·08607	65·7

Date.	Experiments of			
	Time of one vibration corrected for torsion of thread and rate of Chronometer, also reduced to Temperature of 50°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k = \cdot00036$ Sc. Div.	$q = \cdot000114$ Therm.
	Seconds.		°
January. 15	5·4602	304·7	47·8
16	5·4643	306·8	49·3
	5·4851	305·0	49·2
17	5·4693	305·2	48·8
	5·4670	299·7	43·8
	5·4717	302·2	44·9
February. 17	5·4622	300·6	39·1
	5·4656	305·1	40·9
18	5·4762	298·1	42·8
	5·4773	304·0	44·6
19	5·4764	290·1	44·3
	5·4757	295·9	46·6
March. 17	5·4588	294·2	45·3
	5·4698	301·6	45·9
18	5·4638	293·2	45·5
	5·4614	302·6	47·4
19	5·4628	295·2	43·4
	5·4617	302·4	44·5
April. 15	5·4628	296·3	48·9
	5·4672	299·2	50·4
16	5·4650	292·0	51·0
	5·4654	302·1	52·7
17	5·4711	299·5	55·8
	5·4671	302·9	55·8
May. 15	5·4625	289·5	57·2
	5·4652	295·9	58·8
16	5·4625	293·7	57·7
	5·4629	294·3	60·3
17	5·4696	288·5	61·5
	5·4688	292·0	63·3

I. 18 Deflecting 3·67 inches.

Vibration. Log. Values of m X	Results. m	Results. X	Bifilar. Mean reading on day of observation.	Bifilar. Temperature.	Means. Values of X	Means. Bifilar. Sc. Div.	Means. Bifilar. Temperature.	Monthly Means. Bifilar at 55°	Monthly Means. Values of X	Date.
				°			°			1851
0·18098	0·4305	3·5239	305·8	49·2						15 January.
	0·4304	3·5250								
	0·4305	3·5240								
0·17914	0·4298	3·5144	298·5	48·8	3·5189	302·2	47·3	300·3	3·5195	16
	0·4297	3·5148								
	0·4299	3·5138								
0·17982	0·4300	3·5182	302·4	44·0						17
	0·4301	3·5174								
	0·4300	3·5187								
	0·4300	3·5248								
0·18072	0·4300	3·5250	302·8	40·6						17
	0·4295	3·5293								
	0·4295	3·5135								
0·17863	0·4294	3·5136	296·0	44·4	3·5172	297·8	43·7	297·1	3·5207	18 February.
	0·4300	3·5092								
	0·4295	3·5135								
0·17878	0·4296	3·5137	295·1	46·2						19
	0·4293	3·5118								
	0·4299	3·5268								
0·18075	0·4301	3·5249	300·3	45·5						17
	0·4300	3·5259								
	0·4306	3·5215								
0·18089	0·4306	3·5172	300·8	46·8	3·5252	301·0	45.5	296·7	3·5235	18 March.
	0·4299	3·5276								
	0·4300	3·5283								
0·18102	0·4301	3·5273	301·8	44·1						19
	0·4302	3·5270								
	0·4300	3·5244								
0·18055	0·4297	3·5266	298·8	49·8						15 April.
	0·4298	3·5263								
	0·4296	3·5273								
0·18053	0·4297	3·5265	298·1	52·0	3·5246	297·9	52·1	296·0	3·5233	16
	0·4298	3·5248								
	0·4297	3·5213								
0·17990	0·4297	3·5218	296·8	54·5						17
	0 4295	3·5226								
	0·4298	3·5286								
0·18082	0·4296	3·5297	293·3	57·9						15 May.
	0·4300	3·5267								
	0·4298	3·5293								
0·18102	0·4306	3·5226	291·8	59·1	3·5274	291·6	59·7	294·5	3·5292	16
	0·4295	3·5223								
	0·4298	3·5252								
0·18·05	0·4297	3·5262	289·7	62·1						17
	0·4298	3·5256								

Magnets employed I. 15 suspended 3·00 inches;

Date.	Experiments of Deflection. Temperature of Magnet.	Distances. r, r', r'', &c.	Angles. u, u', u'', &c. reduced to Temperature of 55°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k=\cdot00036$ Sc. Div.	Bifilar Magnetometer. $\gamma=\cdot000114$ Therm.	Log. Values of $\frac{m}{X}$	Experiments of Temperature of Magnet.	Time of one vibration corrected for torsion of thread and rate of Chronometer, also reduced to Temperature of 55°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k=\cdot00036$ Sc. Div.	Bifilar Magnetometer. $\gamma=\cdot000114$ Therm.
1851	°	Feet.	° ′ ″		°		°	Seconds.		°
June. 17	64·5	1·0+½ l	9 14 55	293·0	63·6	9·08953	63·0	5·4441	289·5	63·0
	65·4	1·1 ,,	7 11 07	291·8	63·9	9·08901				
	66·0	1·2 ,,	5 41 59	292·7	64·2	9·08891	65·9	5·4447	294·3	65·0
18	73·8	1·0 ,,	9 15 24	293·6	63·5	9·08001	63·5	5·4542	291·1	63·0
	72·3	1·1 ,,	7 10 42	294·8	63·8	9·08860				
	68·5	1·2 ,,	5 41 31	295·3	64·2	9·08835	67·5	5·4461	295·1	65·1
19	67·4	1·0 ,,	9 14 22	291·0	64·0	9·08913	63·5	5·4467	287·6	63·6
	69·0	1·1 ,,	7 11 24	292·1	64·4	9·08939				
	69·1	1·2 ,,	5 42 08	293·7	64·7	9·08913	68·8	5·4545	293·3	65·6
July. 15	70·6	1·0+½ l	9 13 44	284·9	70·0	9·08870	67·2	5·4555	282·5	70·3
	71·9	1·1 ,,	7 11 13	285·0	69·8	9·08918				
	72·2	1·2 ,,	5 42 01	292·5	70·4	9·08903	73·2	5·4489	289·3	71·1
16	78·0	1·0 ,,	9 13 04	287·9	72·1	9·08826	73·5	5·4456	286·2	71·0
	78·5	1·1 ,,	7 10 14	293·0	73·3	9·08830				
	79·8	1·2 ,,	5 41 35	295·9	74·5	9·08858	80·0	5·4525	294·8	75·1
17	80·0	1·0 ,,	9 12 42	295·4	75·4	9·08800	76·8	5·4530	293·4	73·3
	80·3	1·1 ,,	7 09 53	295·7	75·5	9·08798				
	80·2	1·2 ,,	5 41 11	296·5	76·7	9·08809	80·7	5·4507	298·4	77·1
August. 15	69·2	1·0+½ l	9 12 56	286·2	64·9	9·08801	65·9	5·4540	284·0	64·4
	70·3	1·1 ,,	7 09 52	286·5	65·3	9·08783				
	69·0	1·2 ,,	5 41 02	289·6	65·8	9·08775	69·1	5·4582	290·3	66·3
16	69·0	1·0 ,,	9 13 51	287·7	65·8	9·08875	65·0	5·4573	283·3	64·9
	69·3	1·1 ,,	7 10 06	287·4	65·6	9·08805				
	69·8	1·2 ,,	5 41 46	289·8	65·8	9·08872	69·9	5·4520	290·1	65·9
18	66·2	1·0 ,,	9 11 51	283·3	63·8	9·08716	61·0	5·4546	287·8	62·8
	67·1	1·1 ,,	7 09 09	284·4	64·0	9·08696				
	69·9	1·2 ,,	5 40 29	288·5	65·2	9·08707	69·7	5·4525	288·9	65·7
September. 16	61·5	1·0+½ l	9 12 36	267·0	58·5	9·08769	58·8	5·4610	265·4	58·2
	61·8	1·1 ,,	7 08 17	274·1	59·4	9·08611				
	62·5	1·2 ,,	5 41 24	274·7	59·6	9·08811	62·5	5·4612	274·9	60·1
17	64·6	1·0 ,,	9 12 13	268·0	60·8	9·08741	60·9	5·4633	268·1	60·3
	65·5	1·1 ,,	7 09 32	273·0	62·8	9·08741				
	66·3	1·2 ,,	5 41 00	272·5	62·9	9·08766	64·9	5·4644	273·5	63·1
18	63·2	1·0 ,,	9 11 53	270·2	61·2	9·08714	62·2	5·4613	269·3	60·7
	64·3	1·1 ,,	7 09 16	270·3	61·4	9·08715				
	65·9	1·2 ,,	5 40 51	273·7	63·5	9·08747	65·3	1·4651	274·1	63·3
October. 16	47·0	1·0+½ l	9 11 30	277·8	52·3	9·08664	45·3	5·4640	277·3	52·3
	47·8	1·1 ,,	7 08 16	278·7	52·5	9·08592				
	48·6	1·2 ,,	5 40 24	279·9	52·5	9·08664	49·4	5·4681	281·2	53·3
17	50·8	1·0 ,,	9 11 16	276·3	51·7	9·08650	48·1	5·4627	274·9	51·0
	52·0	1·1 ,,	7 08 40	275·8	51·9	9·08638				
	52·7	1·2 ,,	5 39 59	278·2	52·7	9·08620	52·9	5·4639	279·5	53·2
18	55·8	1·0 ,,	9 11 15	277·4	54·2	9·08656	54·1	5·4648	276·4	53·4
	59·3	1·1 ,,	7 08 54	278·0	54·5	9·08671				
	60·1	1·2 ,,	5 40 00	278·1	54·8	9·08624	58·5	5·4641	279·2	55·4

I. 18 Deflecting 3·67 inches.

Vibration.	Results.				Means.			Monthly Means.		Date.
			Bifilar.			Bifilar.				
Log. Value of m X	m	X	Mean reading on day of observation.	Temperature.	Values of X	Sc. Div.	Temperature.	Bifilar at 55°	Values of X	
				°			°			1851
0·18392	0·4332	3·5253	293·5	64·0						17 June.
	0·4329	3·5274								
	0·4329	3·5278								
0·18300	0·4330	3·5197	294·5	63·8	3·5245	293·6	64·3	298·0	3·5264	18
	0·4324	3·5251								
	0·4321	3·5264								
0·18304	0·4325	3·5234	292·9	65·2						19
	0·4326	3·5223								
	0·4325	3·5234								
0·18267	0·4322	3·5236	288·3	70·6						15 July.
	0·4324	3·5217								
	0·4324	3·5223								
0·18318	0·4322	3·5275	293·9	74·1	3·5255	292·2	73·6	297·6	3·5251	16
	0·4322	3·5273								
	0·4323	3·5262								
0·18282	0·4319	3·5271	294·3	76·2						17
	0·4319	3·5271								
	0·4319	3·5267								
0·18212	0·4315	3·5242	288·7	65·4						15 August.
	0·4314	3·5249								
	0·4314	3·5253								
0·18229	0·4319	3·5219	289·0	65·5	3·5258	288·9	65·2	290·7	3·5240	16
	0·4316	3·5248								
	0·4329	3·5220								
0·18251	0·4313	3·5293	289·0	64·7						18
	0·4312	3·5300								
	0·4312	3·5296								
0·18124	0·4310	3·5222	272·6	59·2						16 September.
	0·4302	3·5283								
	0·4312	3·5202								
0·18080	0·4306	3·5213	271·9	61·0	3·5223	272·6	60·8	277·6	3·5263	17
	0·4306	3·5214								
	0·4307	3·5203								
0·18092	0·4305	3·5229	273·3	62·2						18
	0·4305	3·5228								
	0·4307	3·5215								
0·18042	0·4300	3·5229	281·6	53·1						16 October.
	0·4298	3·5257								
	0·4301	3·5228								
0·18082	0·4302	3·5251	280·6	52·8	3·5247	280·5	54·0	275·9	3·5194	17
	0·4301	3·5255								
	0·4301	3·5263								
0·18073	0·4302	3·5245	279·2	56·0						18
	0·4302	3·5238								
	0·4300	3·5257								

Magnets employed I. 15 suspended 3·00 inches;

Date.	Experiments of Deflection.					Experiments of			
	Temperature of Magnet.	Distances, r, r', r'', &c.	Angles, u, u', u'', &c. reduced to Temperature of 50°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer, $k = \cdot00036$ $q = \cdot000114$ Sc. Div.	Therm.	Log. Values $\frac{m}{X}$	Temperature of Magnet.	Time of one vibration corrected for torsion of thread and rate of Chronometer, also reduced to Temperature of 50°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer, $k = \cdot00036$ $q = \cdot000114$ Sc. Div.	Therm.
1851	°	Feet.	° ′ ″		°		°	Seconds.		°
November. 17	63·7	1·0+½ l	9 07 05	348·6	49·4	9·08338	61·6	5·4837	348·6	49·4
	65·8	1·1 ,,	7 05 26	349·0	49·7	9·08330				
	62·7	1·2 ,,	5 38 04	351·7	50·0	9·08388	58·9	5·4891	353·7	50·0
18	51·7	1·0 ,,	9 07 21	347·1	48·8	9·08348	56·8	5·4828	346·9	48·8
	52·3	1·1 ,,	7 04 55	347·6	48·8	9·08263				
	51·8	1·2 ,,	5 38 07	351·8	49·0	9·08381	51·6	5·4858	352·5	49·1
19	62·7	1·0 ,,	9 07 02	348·8	48·9	9·08334	63·7	5·4813	348·7	48·7
	64·0	1·1 ,,	7 06 01	349·5	49·2	9·08384				
	59·6	1·2 ,,	5 37 56	351·9	50·0	9·08368	58·5	5·4827	352·5	50·1
December.	43·3	1·0+½ l	9 07 26	343·5	42·5	9·08340	38·0	5·4871	342·4	42·3
15	45·6	1·1 ,,	7 05 44	346·4	42·0	9·08333				
	46·0	1·2 ,,	5 37 08	347·7	41·6	9·08347	44·1	5·4848	348·3	41·6
	40·4	1·0 ,,	9 07 13	343·5	35·5	9·08318	37·8	5·4828	342·0	35·3
16	43·0	1·1 ,,	7 05 56	344·8	35·6	9·08354				
	37·7	1·2 ,,	5 38 10	348·2	37·4	9·08366	33·7	5·4898	349·0	37·5
	52·0	1·0 ,,	9 07 08	342·6	33·4	9·08322	46·0	5·4917	344·2	32·3
18	51·9	1·1 ,,	7 05 46	344·7	34·2	9·08340				
	50·0	1·2 ,,	5 38 14	346·5	34·8	9·08392	46·4	5·4870	345·3	35·9
1852										
January.	42·7	1·0+½ l	9 06 04	345·4	33·2	9·08229	35·9	5·4923	346·6	32·5
16	50·7	1·1 ,,	7 05 02	344·4	33·9	9·08263				
	59·4	1·2 ,,	5 37 26	345·4	38·1	9·08298	54·8		346·6	39·6
	59·5	1·3 ,,	4 32 18	345·8	38·5	9·08294		5·4850		
	62·5	1·0 ,,	9 07 13	339·8	37·6	9·08342	56·2	5·4816	343·2	36·9
17	64·8	1·1 ,,	7 04 55	339·0	37·9	9·08271				
	58·7	1·2 ,,	5 37 56	338·3	38·9	9·08366	49·8		340·6	39·8
	53·6	1·3 ,,	4 32 35	338·8	39·8	9·08339		5·4808		
	39·6	1·0 ,,	9 06 56	346·6	31·2	9·08291	33·7	5·4911	345·3	30·5
19	38·9	1·1 ,,	7 05 29	347·5	33·2	9·08294	36·1	5·4910	350·2	33·7
February.	39·3	1·0+½ l	9 04 53	336·6	34·9	9·08130	32·9	5·5072	336·3	34·3
17	41·2	1·1 ,,	7 04 06	339·3	35·9	9·08152				
	42·1	1·2 ,,	5 36 30	343·8	36·2	9·08156	42·3	5·5052	344·3	36·9
19	35·5	1·0 ,,	9 05 38	326·9	35·7	9·08184	31·0	5·5074	317·9	35·1
	54·8	1·0 ,,	9 04 20	330·9	47·9	9·08115	47·8	5·5104	330·7	47·5
23	54·9	1·1 ,,	7 03 42	329·6	48·0	9·08133				
	52·2	1·2 ,,	5 36 13	334·9	48·3	9·08132	52·0	5·5108	337·0	48·7
	47·5	1·0 ,,	9 03 58	333·5	47·7	9·08068	47·0	5·5088	333·2	47·8
24	49·0	1·1 ,,	7 04 17	333·9	47·8	9·08187				
	49·8	1·2 ,,	5 36 12	334·9	48·0	9·08127	46·3	5·5122	340·4	48·4
March.	51·0	1·0+½ l	9 04 02	337·0	48·2	9·08076	46·1	5·5081	335·8	48·2
15	51·8	1·1 ,,	7 03 35	340·5	49·0	9·08118				
	51·4	1·2 ,,	5 36 24	340·2	49·1	9·08155	49·1	5·5169	341·6	48·6
	53·9	1·0 ,,	9 03 54	337·8	45·9	9·08069	56·4	5·5159	334·0	45·3
16	53·6	1·1 ,,	7 02 59	340·2	43·3	9·08058				
	53·7	1·2 ,,	5 35 44	340·4	46·5	9·08072	53·7	5·5081	341·4	46·6
	48·3	1·0 ,,	9 04 20	336·4	45·4	9·08097	46·1	5·5102	336·3	45·0
17	50·4	1·1 ,,	7 03 12	336·5	46·2	9·08085				
	51·8	1·2 ,,	5 35 59	336·9	46·9	9·08103	51·8	5·5092	338·8	47·3

I. 18 Deflecting 3·67 inches.

Vibration. Log. Values of n X	Results. n	Results. X	Bifilar. Mean reading on day of observation.	Bifilar. Temperature.	Means. Values of X	Means. Bifilar. Sc. Div.	Means. Bifilar. Temperature.	Monthly Means. Bifilar at 55°	Monthly Means. Values of X	Date.
				°			°			1851
0·17722	0·4268	3·5232								
	0·4268	3·5235	352·4	50·2						17 November.
	0·4271	3·5211								
	0·4271	3·5238								
0·17751	0·4267	3·5273	352·7	48·8	3·5240	352·8	49·8	351·6	3·5245	18 November.
	0·4273	3·5225								
	0·4271	3·5262								
0·17792	0·4274	3·5241	353·2	50·4						19 November.
	0·4273	3·5247								
	0·4268	3·5227								
0·17713	0·4267	3·5229	347·6	41·1						15 December.
	0·4268	3·5224								
	0·4266	3·5227								
0·17693	0·4268	3·5212	348·5	36·6	3·5215	347·6	37·4	342·4	3·5219	16 December.
	0·4268	3·5208								
	0·4266	3·5215								
0·17667	0·4267	3·5208	346·6	34·5						18 December.
	0·4269	3·5187								
										1852
	0·4262	3·5261								
0·17687	0·4263	3·5247	346·9	36·1						16 January.
	0·4264	3·5233								
	0·4264	3·5234								
	0·4270	3·5246								
0·17764	0·4266	3·5274	344·1	33·6	3·5241	344·9	36·3	337·8	3·5225	17 January.
	0·4271	3·5236								
	0·4271	3·5247								
0·17638	0·4263	3·5215	343·7	39·3						19 January.
	0·4263	3·5214								
	0·4243	3·5182								
0·17394	0·4244	3·5173	340·9	37·0						17 February.
	0·4244	3·5171								
0·17382	0·4245	3·5155	335·4	37·0						19 February.
	0·4239	3·5167								
0·17343	0·4239	3·5160	338·0	47·8	3·5165	338·3	42·6	336·1	3·5185	23 February.
	0·4240	3·5161								
	0·4237	3·5186								
0·17343	0·4243	3·5137	338·8	48·8						24 February.
	0·4239	3·5162								
	0·4235	3·5163								
0·17298	0·4237	3·5148	339·5	48·0						15 March.
	0·4239	3·5133								
	0·4238	3·5199								
0·17375	0·4238	3·5202	341·2	46·2	3·5176	339·1	47·0	337·1	3·5182	16 March.
	0·4238	3·5198								
	0·4239	3·5179								
0·17356	0·4239	3·5185	336·6	46 7						17 March.
	0·4239	3·5178								

Magnets employed I. 15 suspended 3·00 inches;

Date.	Experiments of Deflection.						Experiments of			
	Temperature of Magnet.	Distances.	Angles.	Bifilar Magnetometer. $k = \cdot00036$	$q = \cdot000114$	Log. Values of $\frac{m}{X}$	Temperature of Magnet.	Time of one vibration corrected for torsion of thread and rate of Chronometer, also reduced to Temperature of 50°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k = \cdot00036$	$q = \cdot000114$
		r, r', r'', &c.	a, a', a'', &c. reduced to Temperature of 50°, and to the mean Bifilar reading on the day of observation.	Sc. Div.	Therm.				Sc. Div.	Therm.
1852	°	Feet.	° ′ ″		°		°	Seconds.		°
April. 16	49·5	1·0+½ l	9 12 33	336·7	52·8	9·08745	48·3	5·5033	331·4	52·5
	49·8	1·1 ,,	7 12 37	337·2	53·1	9·08779				
	51·1	1·2 ,,	5 41 11	340·7	53·4	9·08764	51·6	5·5011	344·0	53·5
17	47·7	1·0 ,,	9 12 20	334·1	52·8	9·08725	47·6	5·4926	335·6	52·0
	48·2	1·1 ,,	7 09 27	334·8	52·9	9·08706				
	47·1	1·2 ,,	5 40 51	339·4	53·0	9·08717	47·1	5·5011	340·1	52·8
19	49·3	1·0 ,,	9 11 45	339·6	49·1	9·08681	48·3	5·5024	340·6	48·9
	49·9	1·1 ,,	7 09 31	340·6	49·3	9·08716				
	49·1	1·2 ,,	5 40 22	344·0	50·6	9·08630	49·6	5·4986	340·8	51·0
May. 17	56·0	1·0+½ l	9 09 53	338·3	58·8	9·08545	55·4	5·4970	336·9	58·6
	56·0	1·1 ,,	7 07 28	339·4	58·8	9·08518				
	55·7	1·2 ,,	5 39 21	341·4	58·8	9·08539	56·1	5·4941	346·9	58·4
18	51·3	1·0 ,,	9 10 16	338·3	54·4	9·08569	50·2	5·4962	334·0	53·8
	51·8	1·1 ,,	7 07 56	337·9	54·5	9·08560				
	53·2	1·2 ,,	5 39 23	346·0	54·4	9·08539	53·6	5·4947	341·7	54·7
19	55·2	1·0 ,,	9 10 43	341·2	54·7	9·08607	52·7	5·4993	336·4	54·0
	55·9	1·1 ,,	7 07 33	340·7	54·0	9·08527				
	53·1	1·2 ,,	5 39 35	341·6	55·1	9·08563	52·8	5·5013	340·6	55·6
June. 16	80·2	1·0+½ l	9 10 56	336·1	76·8	9·08657	76·3	5·5037	330·9	76·8
	81·0	1·1 ,,	7 08 28	342·4	77·0	9·08652				
	81·6	1·2 ,,	5 39 49	339·7	77·5	9·08631	80·3	5·5033	345·0	78·6
17	71·5	1·0 ,,	9 10 24	338·0	71·8	9·08604	69·5	5·5002	331·7	72·0
	71·7	1·1 ,,	7 08 29	339·3	71·8	9·08640				
	71·8	1·2 ,,	5 40 00	333·8	72·0	9·08640	71·0	5·5013	338·0	72·0
18	71·9	1·0 ,,	9 10 19	334·2	72·0	9·08600	70·0	5·5005	332·7	72·0
	73·0	1·1 ,,	7 07 09	335·8	72·0	9·08507				
	74·8	1·2 ,,	5 39 12	336·0	72·0	9·08545	74·3	5·5040	337·6	72·8
July. 16	72·6	1·0+½ l	9 08 57	321·0	70·4	9·08492	70·0	5·5018	321·0	70·0
	73·0	1·1 ,,	7 06 53	325·6	71·4	9·08480				
	73·4	1·2 ,,	5 39 13	331·6	72·6	9·08544	71·5	5·5048	331·7	73·0
17	72·8	1·0 ,,	9 09 00	324·4	70·1	9·08498	71·6	5·5005	322·2	69·4
	74·0	1·1 ,,	7 07 03	325·0	70·5	9·08497				
	73·7	1·2 ,,	5 38 38	330·5	72·3	9·08469	73·6	5·5037	330·6	72·2
19	68·2	1·0 ,,	9 08 35	324·2	67·3	9·08457	66·1	5·5004	323·0	66·9
	69·4	1·1 ,,	7 06 45	325·1	67·6	9·08462				
	68·8	1·2 ,,	5 38 39	327·4	68·5	9·08466	68·9	5·5039	328·5	68·6
August. 16	67·5	1·0+½ l	9 08 29	310·4	68·4	9·08447	65·6	5·5066	307·9	68·2
	68·0	1·1 ,,	7 06 44	312·4	68·5	9·08457				
	68·0	1·2 ,,	5 38 49	314·5	68·7	9·08485	67·8	5·5091	312·4	68·2
17	68·9	1·0 ,,	9 07 56	308·7	66·8	9·08408	67·5	5·5057	307·7	66·8
	69·4	1·1 ,,	7 06 15	310·8	67·6	9·08412				
	70·1	1·2 ,,	5 38 29	311·2	67·8	9·08446	70·6	5·5030	311·2	68·4
18	71·0	1·0 ,,	9 08 23	306·3	68·7	9·08446	69·5	5·5005	303·9	68·7
	72·7	1·1 ,,	7 06 34	309·8	69·3	9·08449				
	74·2	1·2 ,,	5 38 45	311·7	70·0	9·08494	73·3	5·5030	311·9	70·4

I. 18 Deflecting 3·67 inches.

Vibration. Log. Values of m X	Results. m	Results. X	Results. Bifilar. Mean reading on day of observation.	Results. Bifilar. Temperature.	Means. Values of X	Means. Bifilar. Sc. Div.	Means. Bifilar. Temperature.	Monthly Means. Bifilar at 55°	Monthly Means. Values of X	Date.
				°			°			1852
0·17475	0·4276	3·4966	341·2	53·4						16 April.
	0·4278	3·4952								
	0·4277	3·4959								
0·17518	0·4278	3·4991	342·2	52·7	3·4986	342·2	52·1	338·9	3·4986	17
	0·4277	3·4998								
	0·4277	3·4994								
0·17501	0·4275	3·5002	343·3	50·2						19
	0·4276	3·4988								
	0·4272	3·5021								
0·17583	0·4272	3·5090	343·3	57·5						17 May.
	0·4270	3·5101								
	0·4271	3·5094								
0·17583	0·4273	3·5080	341·1	54·1	3·5073	340·7	55·4	340·5	3·5069	18
	0·4273	3·5083								
	0·4271	3·5092								
0·17507	0·4271	3·5035	337·8	54·7						19
	0·4267	3·5026								
	0·4269	3·5052								
0·17467	0·4272	3·4998	333·0	77·0						16 June.
	0·4272	3·5009								
	0·4270	3·5009								
0·17510	0·4272	3·5037	335·3	72·9	3·5027	334·3	74·0	339·1	3·5013	17
	0·4274	3·5022								
	0·4273	3·5023								
0·17488	0·4271	3·5029	334·6	72·2						18
	0·4266	3·5067								
	0·4266	3·5054								
0·17470	0·4263	3·5066	326·2	70·4						16 July.
	0·4262	3·5071								
	0·4266	3·5045								
0·17491	0·4266	3·5072	327·4	70·8	3·5074	326·7	69·5	329·7	3·5055	17
	0·4264	3·5073								
	0·4263	3·5085								
0·17486	0·4263	3·5087	326·5	67·3						19
	0·4263	3·5084								
	0·4263	3·5084								
0·17396	0·4258	3·5054	310·9	67·1						16 August.
	0·4258	3·5050								
	0·4259	3·5039								
0·17454	0·4259	3·5093	310·4	66·7	3·5074	310·7	67·7	316·9	3·5103	17
	0·4259	3·5092								
	0·4260	3·5079								
0·17494	0·4262	3·5094	310·9	69·3						18
	0·4262	3·5093								
	0·4264	3·5076								

Magnets employed I. 15 suspended 3·00 inches;

Date.		Experiments of Deflection.						Experiments of			
		Temperature of Magnet.	Distances. r, r', r'', &c.	Angles. u, u', u'', &c. reduced to Temperature of 32°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k = \cdot00036$ $q = \cdot000114$ Sc. Div.	Therm.	Log. Values of $\frac{m}{X}$	Temperature of Magnet.	Time of one vibration corrected for torsion of thread and rate of Chronometer, also reduced to Temperature of 32°, and to the mean Bifilar reading on the day of observation.	Bifilar Magnetometer. $k = \cdot00036$ $q = \cdot000114$ Sc. Div.	Therm.
1852		°	Feet.	° ′ ″		°		°	Seconds.		°
September.	16	58·0	1·0+½ l	9 04 09	306·4	59·1	9·08096	57·2	5·5248	305·3	59·1
		58·8	1·1 ,,	7 03 27	307·4	59·4	9·08115				
		59·4	1·2 ,,	5 36 12	308·5	59·6	9·08188	60·3	5·5255	311·9	60·2
	17	62·5	1·0 ,,	9 05 41	302·7	59·7	9·08223	60·0	5·5286	303·2	59·6
		63·8	1·1 ,,	7 03 55	304·0	60·0	9·08168				
		62·5	1·2 ,,	5 35 18	311·3	62·0	9·08028	63·1	5·5249	310·8	61·9
		63·7	1·0 ,,	9 04 39	304·0	61·2	9·08143	62·1	5·5250	301·8	60·6
	18	65·1	1·1 ,,	7 04 22	304·5	62·0	9·08214				
		65·2	1·2 ,,	5 36 32	307·7	61·8	9·08197	64·3	5·5274	309·5	63·3
October.		47·3	1·0+½ l	9 04 50	304·8	53·4	9·08135	45·6	5·5285	304·5	53·6
	16	48·0	1·1 ,,	7 03 06	306·2	53·3	9·08063				
		50·0	1·2 ,,	5 36 15	308·0	53·3	9·08144	50·0	5·5279	308·2	53·4
		56·0	1·0 ,,	9 05 02	304·3	56·0	9·08164	55·7	5·5277	298·3	55·8
	18	56·9	1·1 ,,	7 03 44	305·0	56·2	9·08139				
		58·9	1·2 ,,	5 36 35	302·3	57·2	9·08190	59·8	5·5298	304·2	57·2
		52·5	1·0 ,,	9 04 03	302·3	55·5	9·08080	49·6	5·5261	305·6	55·4
	19	54·2	1·1 ,,	7 03 45	305·0	55·8	9·08138				
		55·9	1·2 ,,	5 36 13	307·0	56·6	9·08137	54·8	5·5305	305·7	57·2
November.		52·9	1·0+½ l	9 03 43	300·7	44·0	9·08054	44·7	5·5298	305·6	43·8
	18	57·7	1·1 ,,	7 02 52	301·8	44·3	9·08053				
		66·9	1·2 ,,	5 35 34	306·1	45·5	9·08068	68·0	5·5315	308·6	46·7
		53·0	1·0 ,,	9 03 38	304·9	46·4	9·08048	52·2	5·5259	306·1	46·1
	19	53·6	1·1 ,,	7 03 15	305·1	46·7	9·08087				
		51·8	1·2 ,,	5 35 28	307·7	47·3	9·08036	51·5	5·5266	308·4	47·5
		50·0	1·0 ,,	9 03 48	307·2	45·0	9·08057	49·8	5·5244	307·0	45·2
	20	51·6	1·1 ,,	7 02 57	307·9	45·0	9·08054				
		49·5	1·2 ,,	5 35 25	309·5	45·5	9·08027	49·7	5·5329	309·9	45·8
December.		64·2	1·0+½ l	9 03 06	307·7	42·3	9·08010	63·2	5·5253	307·4	42·1
	16	65·0	1·1 ,,	7 02 26	308·4	42·4	9·08017				
		55·9	1·2 ,,	5 35 24	312·5	42·9	9·08033	54·7	5·5286	312·6	43·0
		49·1	1·0 ,,	9 03 04	311·4	45·1	9·07999	44·5	5·5323	311·6	45·2
	17	52·9	1·1 ,,	7 02 57	311·4	45·0	9·07952				
		50·8	1·2 ,,	5 35 34	314·5	45·3	9·08045	49·8	5·5321	314·7	45·4
		50·0	1·0 ,,	9 03 24	308·6	36·7	9·08026	44·2	5·5281	307·5	36·6
	18	54·2	1·1 ,,	7 02 19	308·4	36·7	9·07990				
		54·7	1·2 ,,	5 35 25	305·3	37·0	9·08033	51·5	5·5325	307·8	37·1

I. 18 Deflecting 3·67 inches.

Vibration.	Results.				Means.			Monthly Means.		Date.
			Bifilar.			Bifilar.				
Log. Values of m X.	m	X	Mean reading on Day of observation.	Temperature.	Values of X.	Sc. Div.	Temperature.	Bifilar at 55°.	Values of X.	
				°			°			1852
	0·4227	3·5084								
0·17119	0·4228	3·5076	308·4	59·8						16
	0·4228	3·5067								
	0 4222	3·5024								
0·17096	0·4229	3·5046	308·0	60·4	3·5059	307·8	60·7	311·2	3·5079	17
	0·4222	3·5103								
	0·4228	3·5060								
0·17105	0·4231	3·5030	306·9	62·0						18
	0·4230	3·5038								
										September.
	0·4227	3·5046								
0·17064	0·4223	3·5075	309·8	54·6						16
	0·4227	3·5043								
	0·4227	3·5034								
0·17062	0·4226	3·5043	308·1	57·4	3·5047	308·4	56·3	310·5	3·5068	18
	0·4228	3·5023								
	0·4224	3·5069								
0·17065	0·4226	3·5045	307·3	56·8						19
	0·4226	3·5046								
										October.
	0·4221	3·5065								
0·17030	0·4220	3·5065	308·2	46·0						18
	0·4220	3·5060								
	0·4224	3·5094								
0·17097	0·4226	3·5079	309·1	47·2	3·5078	309·2	46·3	306·1	3·5073	19
	0·4223	3·5000								
	0·4222	3·5075								
0·17058	0·4222	3·5076	310·4	45·8						10
	0·4221	3·5088								
										November.
	0·4221	3·5108								
0·17092	0·4221	3·5105	312·0	43·2						16
	0·4222	3·5100								
	0·4218	3·5087								
0·17029	0·4216	3·5105	311·9	44·5	3·5091	312·1	41·8	306·1	3·5067	17
	0·4215	3·5069								
	0·4220	3·5077								
0·17032	0·4216	3·5091	312·4	37·7						18
	0·4215	3·5075								
										December.

The following Memorandum regarding the elements of the calculations of the Absolute Horizontal Force Observations has been supplied by CAPTAIN YOUNGHUSBAND.

THE series of observations of Absolute Horizontal Intensity detailed in this volume was commenced in January 1845, and continued without any interruption whatever to December 1852; it extends therefore over a period of eight complete years.

The observations were made on three days in each month, always about the same part of the month, the first day being on or about the 16th. Generally three distances were employed, and complete experiments of deflection and vibration made on each day. The instrument with which the observations were made was the portable unifilar magnetometer, and the same instrument, and the same deflecting magnet has been used throughout the whole series. The *near end* of the deflecting magnet was placed at 1·0, 1·1, 1·2, and occasionally at 1·3 feet from the centre of the suspended magnet; consequently the distances of deflection were 1·0, 1·1, 1·2, and 1·3 feet, + in each case half the length of the deflecting magnet. These distances correspond to 1·1527, 1·2527, 1·3527, &c. feet, as graduated on the deflecting tube of the unifilar, and the observations were calculated at Toronto in accordance with these data, to the end of the year 1851; but a very careful measurement of the graduation having been made by Captain Lefroy in October, 1851, by means of a beam compass, and referred to a brass standard measure of Troughton and Simms' manufacture, the true distances were found to be 1·1508, 1·2508, 1·3508, and 1·4508, respectively, at a standard temperature of 50°. The portion of the original calculations which include the distances of deflection as a function have accordingly been recalculated, using the new distances, the numerical values of which having been in each case made to correspond to the actual distance by multiplying the observed distance by $1 + \cdot00001\ (t^\circ - 50^\circ)$, t° being the observed temperature, and ·00001 the coefficient of expansion of the tube.

The series of deflections, as far as Dec. 1851, was formed into five groups, and the coefficient P. calculated for each group by means of the formula for two distances. The results were found as follows:—

From group	1,	$P = -\cdot00516$
,,	2,	$= -\cdot00160$
,,	3,	$= -\cdot00279$
,,	4,	$= -\cdot00470$
,,	5,	$= -\cdot00559$

The mean of these gives $P = -\cdot00395$, which is the value employed in the calculations.

The Log. value of π^3 K used throughout is 1·6558266.

The bifilar magnetometer was observed at short regular intervals during the progress of the two parts of the experiment, and the observations of deflection and vibration reduced to a uniform reading, that reading being the mean reading for the day of observation. The monthly mean results, which correspond in the first instance to the mean bifilar reading of the three days on which the observations were made, have in the final columns been reduced to the mean bifilar reading for the month in which the observations were made.

MONTHLY DETERMINATION OF THE DECLINATION WITH A PORTABLE DECLINOMETER.

The Description of the Declinometer with which these Determinations were made, and of the mode of its employment, is given in the Abstracts, Adjustments, and Comments prefixed to this Volume, page iii. *The Declination is West.*

DATE.		Declination Observed.	Reading of the Observatory Declinometer.
		° ′	Sc. Div.
1845 January.	20	1 29·63	112·27
	25	1 28·63	114·68
	25	1 29·22	116·94
	27	1 27·05	115·82
	27	1 23·38	120·02
	28	1 33·01	108·88
	Mean.	1 28·49	113·93
February.	13	1 25·99	114·68
	15	1 23·03	118·74
	15	1 26·40	114·67
	15	1 27·70	112·99
	17	1 26·23	115·84
	17	1 30·79	109·25
	Mean.	1 26·69	114·36
March.	19	1 35·12	109·85
	20	1 41·85	95·98
	22	1 34·34	108·78
	22	1 33·08	112·86
	24	1 35·24	107·23
	24	1 37·96	104·16
	Mean.	1 36·26	106·48
April.	17	1 32·81	112·00
	18	1 34·84	108·73
	18	1 37·97	104·92
	19	1 26·62	121·63
	19	1 36·52	106·82
	19	1 38·58	104·30
	Mean.	1 34·56	109·73
May.	20	1 34·48	109·13
	20	1 35·57	109·38
	20	1 34·92	109·49
	20	1 34·12	111·41
	23	1 33·25	113·07
	23	1 36·18	106·13
	Mean.	1 34·75	109·77
June.	24	1 31·55	111·63
	25	1 31·14	108·87
	25	1 31·71	111·14
	26	1 40·03	103·72
	26	1 30·66	114·80
	26	1 29·56	114·88
	27	1 34·50	110·00
	27	1 31·78	113·16
	Mean.	1 32·62	111·03

DATE.		Declination Observed.	Reading of the Observatory Declinometer.
		° ′	Sc. Div.
1845 July.	19	1 36·62	103·05
	19	1 38·24	100·80
	19	1 34·60	110·63
	19	1 28·03	115·96
	21	1 29·90	114·49
	21	1 37·54	105·11
	Mean.	1 34·16	108·34
August.	18	1 34·54	107·01
	18	1 28·82	113·15
	20	1 34·43	105·85
	20	1 36·84	102·54
	20	1 36·68	104·31
	Mean.	1 34·26	106·57
September.	17	1 35·71	105·99
	18	1 33·91	109·83
	18	1 36·72	104·64
	18	1 36·60	104·68
	18	1 35·79	106·48
	19	1 36·21	108·02
	Mean.	1 35·82	106·61
October.	17	1 34·82	109·44
	17	1 34·14	110·70
	18	1 28·96	119·84
	18	1 31·82	113·22
	20	1 33·52	110·89
	Mean.	1 32·65	112·82
November.	18	1 31·86	111·53
	18	1 33·46	109·94
	18	1 33·77	107·91
	18	1 31·38	109·57
	19	1 29·31	112·74
	19	1 31·15	110·67
	Mean.	1 31·82	110·39
December.	20	1 32·31	116·80
	20	1 32·21	112·31
	22	1 30·32	116·33
	22	1 31·74	113·09
	22	1 31·94	111·78
	22	1 31·86	113·65
	Mean.	1 31·73	113·99

DATE.		Declination Observed.	Reading of the Observatory Declinometer.
		° ′	Sc. Div.
1846 January.	19	1 33·03	112·08
	20	1 32·63	114·17
	20	1 34·20	110·96
	20	1 33·43	110·71
	21	1 30·25	118·85
	21	1 30·43	115·44
	Mean.	1 32·33	113·70
February.	19	1 28·59	115·76
	19	1 29·69	113·22
	19	1 29·66	113·03
	21	1 31·67	109·88
	21	1 31·68	110·17
	21	1 31·85	110·05
	Mean.	1 30·52	112·02
March.	19	1 26·77	117·03
	19	1 29·87	110·86
	20	1 24·13	120·81
	20	1 28·02	115·18
	20	1 31·34	110·76
	20	1 34·75	106·05
	Mean.	1 29·15	113·45
April.	21	1 26·51	117·71
	21	1 31·32	110·79
	21	1 33·70	107·18
	21	1 36·20	103·94
	22	1 28·57	114·79
	22	1 33·55	107·84
	Mean.	1 31·64	110·37
May.	18	1 35·43	104·00
	18	1 39·79	97·94
	18	1 33·41	107·20
	18	1 32·78	107·98
	19	1 27·51	116·35
	19	1 31·22	110·72
	Mean.	1 33·36	107·36
June.	19	1 34·12	105·14
	19	1 32·93	107·58
	20	1 27·65	115·39
	20	1 29·71	112·21
	20	1 31·66	109·52
	20	1 33·10	107·21
	Mean.	1 31·53	109·51

Monthly Determination of the Declination with a Portable Declinometer—continued.

DATE.		Declination Observed.	Reading of the Observatory Declinometer.
		° ′	Sc. Div.
1846 July.	20	1 30·04	114·36
	20	1 33·79	109·05
	20	1 36·96	108·62
	20	1 34·61	109·08
	20	1 34·93	108·82
	20	1 35·77	107·51
	Mean .	1 34·35	109·57
August.	18	1 36·93	103·58
	18	1 31·31	111·56
	19	1 36·18	104·73
	19	1 39·07	100·82
	19	1 37·19	104·65
	19	1 35·17	106·42
	Mean .	1 35·97	105·29
September.	17	1 33·61	111·08
	17	1 39·24	102·42
	17	1 33·48	110·39
	18	1 32·40	111·58
	18	1 36·53	106·04
	18	1 38·33	103·11
	Mean .	1 35·60	107·44
October.	15	1 31·87	113·19
	15	1 33·96	109·95
	15	1 33·74	111·21
	16	1 33·81	109·87
	16	1 35·20	107·84
	16	1 34·16	109·27
	Mean .	1 33·79	110·22
November.	19	1 32·00	111·79
	19	1 34·74	109·55
	19	1 37·68	105·19
	19	1 37·45	105·86
	20	1 32·08	113·18
	20	1 35·67	107·99
	Mean .	1 34·94	108·93
December.	21	1 34·15	110·31
	21	1 34·74	111·30
	21	1 33·98	111·21
	22	1 30·74	111·09
	22	1 34·32	111·22
	22	1 35·79	109·96
	Mean .	1 33·96	111·35

DATE.		Declination Observed.	Reading of the Observatory Declinometer.
		° ′	Sc. Div.
1847 January.	27	1 30·56	114·60
	27	1 33·76	111·40
	27	1 32·95	113·20
	28	1 32·86	113·84
	28	1 32·51	113·48
	28	1 34·96	111·62
	Mean .	1 32·93	113·02
February.	23	1 36·80	108·38
	23	1 36·00	106·40
	25	1 38·42	105·79
	25	1 37·65	104·80
	25	1 36·05	107·69
	26	1 36·50	106·74
	Mean .	1 36·90	106·63
March.	23	1 38·71	100·68
	24	1 38·47	102·77
	24	1 35·93	105·03
	24	1 31·53	110·10
	25	1 33·87	107·76
	26	1 37·81	102·50
	Mean .	1 36·05	104·81
April.	23	1 38·12	103·25
	23	1 38·15	103·34
	23	1 36·33	104·67
	23	1 36·58	105·26
	24	1 39·73	101·40
	Mean .	1 37·78	103·58
May.	27	1 38·37	102·66
	27	1 36·08	105·45
	28	1 35·53	106·27
	28	1 36·20	103·91
	28	1 36·00	104·41
	28	1 32·62	109·28
	Mean .	1 35·80	105·33
June.	26	1 38·13	102·17
	26	1 38·02	102·44
	26	1 35·90	105·54
	26	1 34·85	107·48
	28	1 39·46	99·51
	28	1 35·23	107·46
	Mean .	1 36·93	104·10

DATE.		Declination Observed.	Reading of the Observatory Declinometer.
		° ′	Sc. Div.
1847 July.	23	1 36·77	105·55
	23	1 35·95	105·81
	24	1 32·50	109·91
	26	1 38·28	101·33
	26	1 41·45	98·12
	26	1 36·13	107·13
	Mean .	1 36·85	104·64
August.	20	1 38·03	105·06
	25	1 36·80	105·25
	25	1 39·21	102·00
	26	1 36·73	105·42
	26	1 40·25	100·93
	26	1 34·21	108·35
	27	1 39·46	101·37
	Mean .	1 37·81	104·05
September.	24	1 40·21	101·02
	25	1 41·98	98·17
	27	1 40·95	103·97
	28	1 31·93	112·09
	28	1 40·47	100·14
	28	1 37·83	103·81
	29	1 34·30	110·47
	Mean .	1 38·24	104·24
October.	25	1 37·80	106·22
	26	1 36·53	106·74
	27	1 30·98	118·36
	27	1 36·72	107·46
	28	1 35·60	110·54
	28	1 37·72	108·38
	Mean .	1 35·90	109·62
November.	24	1 39·93	102·23
	24	1 38·46	103·26
	25	1 29·40	119·63
	25	1 34·25	112·69
	25	1 37·85	106·69
	25	1 47·36	93·36
	Mean .	1 37·88	106·64
December.	24	1 40·18	104·63
	27	1 37·00	107·97
	27	1 37·30	109·13
	28	1 30·50	116·65
	28	1 31·63	114·77
	28	1 36·30	108·42
	Mean .	1 35·48	110·26

Monthly Determination of the Declination with a Portable Declinometer—continued.

DATE.		Declination Observed.	Reading of the Observatory Declinometer.
		° ′	Sc. Div.
1848 January.	20	1 38·82	105·16
	21	1 32·38	114·09
	21	1 34·37	111·35
	21	1 38·40	105·65
	21	1 38·08	106·21
	22	1 32·15	115·43
	Mean .	1 35·70	109·65
February.	23	1 30·58	122·34
	24	1 37·22	114·77
	24	1 39·10	111·09
	24	1 37·40	114·50
	24	1 29·93	124·24
	25	1 31·13	123·07
	Mean .	1 34·23	118·33
March.	22	1 34·93	115·26
	22	1 43·48	104·38
	23	1 40·43	108·24
	23	1 44·97	102·32
	23	1 31·85	121·28
	24	1 35·93	115·01
	Mean .	1 38·60	111·08
April.	22	1 38·47	112·73
	22	1 41·95	107·65
	24	1 38·90	112·05
	24	1 41·07	109·35
	25	1 38·00	113·46
	25	1 41·33	108·81
	Mean .	1 39·95	110·67
May.	23	1 38·12	111·17
	23	1 40·05	108·69
	24	1 36·85	112·02
	24	1 42·28	103·89
	25	1 35·98	113·55
	25	1 38·22	110·50
	Mean .	1 38·58	109·97
June.	21	1 40·32	107·82
	21	1 39·97	109·10
	22	1 32·95	118·58
	24	1 32·42	119·92
	24	1 36·38	114·47
	24	1 39·63	110·28
	Mean .	1 36·94	113 36

DATE.		Declination Observed.	Reading of the Observatory Declinometer.
		° ′	Sc. Div.
1848 July.	22	1 42·88	105·14
	24	1 39·22	110·63
	24	1 41·15	106·91
	25	1 39·07	109·16
	26	1 40·70	108·70
	26	1 40·90	107·36
	Mean .	1 40·65	107·94
August.	22	1 41·08	109·54
	23	1 42·75	109·03
	24	1 40·13	111·48
	24	1 43·77	106·72
	25	1 42·60	107·59
	26	1 40·73	105·68
	Mean .	1 41·84	108·34
September.	22	1 39·65	108·79
	22	1 39·17	110 68
	23	1 40·62	107·95
	23	1 38·55	111·48
	24	1 35·03	116·66
	24	1 45·33	102·57
	Mean .	1 39·72	109·69
October.	24	1 41·52	106·59
	24	1 39·43	109·57
	25	1 44·47	104·44
	25	1 44·03	105·96
	26	1 41·17	109·58
	26	1 41·68	108·43
	Mean .	1 42·05	107·43
December.	27	1 33·15	116·63
	27	1 38·20	109·13
	27	1 38·27	109·16
	28	1 33·17	115·38
	28	1 36·93	110·96
	28	1 39·20	108·04
	Mean .	1 36·49	111·55
1849 January.	23	1 38·54	113·81
	23	1 39·83	111·49
	23	1 50·52	97·38
	23	1 47·00	102·62
	24	1 31·70	122·60
	24	1 40·25	111·39
	Mean .	1 41·31	109·88

DATE.		Declination Observed.	Reading of the Observatory Declinometer.
		° ′	Sc. Div.
1849 February.	21	1 46·52	1084·27*
	21	1 45·10	1088·93
	22	1 44·55	1090·71
	23	1 34·43	1110·79
	23	1 43·10	1092·99
	24	1 34·82	1112·96
	Mean .	1 41·42	1096·78
March.	22	1 40·43	145·84
	23	1 33·55	154·89
	23	1 38·53	146·58
	23	1 43·47	140·42
	24	1 33·77	153·88
	24	1 44·75	139·76
	Mean .	1 39·08	146·89
April.	24	1 38·93	143·81
	25	1 33·67	152·68
	25	1 42·75	139·05
	25	1 43·06	140·72
	26	1 41·37	142·21
	26	1 40·80	141·94
	Mean .	1 40·10	143·40
May.	21	1 39·30	146·16
	22	1 37·55	148·26
	22	1 44·25	138·51
	24	1 36·13	149·43
	25	1 34·00	152·84
	25	1 40·42	144·36
	Mean .	1 38·61	146·59
June.	22	1 43·97	138·83
	22	1 43·43	140·05
	23	1 34·23	153·67
	23	1 40·60	144·55
	25	1 44·58	137·14
	25	1 45·13	138·01
	Mean .	1 41·99	142·04
July.	23	1 39·47	145·46
	23	1 42·10	140·90
	23	1 45·33	137·73
	24	1 34·72	150·47
	24	1 38·13	146·43
	24	1 39·20	144·48
	Mean .	1 39·82	144·25

* Small Declinometer.

Monthly Determination of the Declination with a Portable Declinometer—continued.

DATE.		Declination Observed.	Reading of the Observatory Declinometer.
		° ′	Sc. Div.
1849 August.	20	1 41·15	142·54
	23	1 41·23	142·62
	23	1 37·07	148·64
	23	1 36·30	150·00
	24	1 40·18	144·67
	24	1 42·50	141·49
	Mean .	1 39·74	144·99
September.	24	1 43·12	144·48
	25	1 34·62	154·42
	25	1 38·06	150·47
	35	1 41·12	146·38
	25	1 42·75	144·04
	25	1 39·63	147·23
	Mean .	1 39·88	147·84
October.	20	1 37·17	150·28
	20	1 40·85	145·08
	20	1 42·08	142·89
	22	1 44·28	138·71
	22	1 46·80	135·81
	23	1 37·25	149·21
	Mean .	1 41·40	14·66
November.	22	1 40·90	144·18
	22	1 42·73	141·92
	23	1 39·60	146·31
	23	1 35·65	151·36
	23	1 39·20	146·61
	24	1 46·81	146·29
	Mean .	1 40·82	146·08
December.	22	1 36·58	153·81
	22	1 36·53	150·03
	24	1 37·95	152·85
	27	1 36·23	154·63
	27	1 35·48	155·24
	Mean .	1 36·55	153·31
1850 January.	23	1 36·42	152·42
	23	1 38·43	144·57
	25	1 32·47	157·40
	25	1 33·48	156·41
	25	1 35·39	150·30
	25	1 39·47	146·34
	Mean .	1 35·94	151·24
1850 February.	21	1 40·88	145·46
	21	1 41·80	143·70
	25	1 36·28	153·15
	25	1 40·33	146·30
	26	1 35·40	153·63
	26	1 38·67	149·69
	Mean .	1 38·89	148·65
March.	22	1 37·87	151·70
	22	1 40·90	147·75
	22	1 45·20	141·72
	23	1 31·18	160·72
	25	1 39·87	147·76
	26	1 37·74	150·98
	Mean .	1 38·79	150·10
April.	24	1 41·67	347·40*
	24	1 43·85	343·75
	24	1 42·92	344·78
	25	1 35·92	356·02
	26	1 33·28	359·92
	26	1 37·47	354·27
	Mean .	1 39·18	351·02
May.	23	1 48·52	342·70
	23	1 45·10	347·93
	23	1 40·53	354·09
	23	1 39·63	355·73
	24	1 38·82	356·18
	24	1 41·20	352·62
	Mean .	1 42·30	351·54
June.	21	1 40·54	355·49
	21	1 42·22	356·26
	21	1 39·97	358·01
	21	1 38·92	357·04
	22	1 33·58	365·74
	22	1 36·83	362·08
	Mean .	1 38·67	359·10
July.	23	1 38·38	361·71
	23	1 39·87	359·94
	23	1 40·58	358·57
	23	1 41 45	357·14
	23	1 41·38	356·89
	24	1 34·68	365·43
	Mean .	1 39·39	359·95
1850 August.	20	1 47·13	359·00
	20	1 40·42	361·44
	21	1 43·73	357·17
	21	1 44·13	355·85
	21	1 48·37	350·67
	21	1 47·33	351·80
	Mean .	1 45·18	355·99
September.	24	1 44·35	358·15
	24	1 45·87	352·52
	25	1 45·27	355·78
	25	1 48·27	351·44
	25	1 44·03	354·75
	26	1 42·18	359·52
	Mean .	1 45·00	255·36
October.	21	1 43·73	362·04
	21	1 42·40	363·27
	22	1 43·17	362·22
	23	1 43·45	361·22
	23	1 42·48	363·03
	24	1 33·23	376·04
	Mean .	1 41·41	364·64
November.	25	1 43·68	360·06
	25	1 42·85	361·89
	26	1 46·68	363·35
	26	1 48·30	359·84
	27	1 39·42	365·97
	27	1 43·02	360·84
	Mean .	1 43 99	361·99
December.	26	1 42·85	360·05
	27	1 42·40	360·82
	27	1 42·65	360·91
	27	1 42·15	361·70
	28	1 38·85	367·83
	28	1 42·18	362·72
	Mean .	1 41·76	362·34
1851 January.	21	1 42·57	360·07
	21	1 43·03	358·60
	21	1 48·42	351·69
	22	1 38·87	366·83
	22	1 44·63	358·04
	22	1 47·70	353·67
	Mean .	1 44·20	358·15

* Large Declinometer finally dismounted. Portable Declinometer.

Monthly Determination of the Declination with a Portable Declinometer.

DATE.		Declination Observed.	Reading of the Observatory Declinometer.
		° ′	Sc. Div.
1851 February.	24	1 43·07	363·10
	24	1 43·03	363·72
	25	1 42·10	363·00
	25	1 42·50	364·39
	25	1 46·58	357·91
	25	1 46·08	358·53
	Mean .	1 43·89	361·77
March.	24	1 45·37	356·72
	25	1 43·28	360·20
	25	1 44·27	359·15
	25	1 45·53	357·65
	26	1 35·17	372·12
	26	1 36·60	370·10
	Mean .	1 41·70	362·66
April.	23	1 45·63	357·46
	23	1 41·28	363·97
	23	1 43·85	359·85
	23	1 46·72	356·12
	24	1 42·92	361·04
	24	1 44·47	359·12
	Mean .	1 44·15	359·59
May.	20	1 45·25	355·56
	20	1 46·32	354·26
	20	1 44·22	357·64
	20	1 42·95	360·22
	21	1 44·95	357·12
	21	1 45·18	360·38
	Mean .	1 44·81	357·53

DATE.		Declination Observed.	Reading of the Observatory Declinometer.
		° ′	Sc. Div.
1851 June.	23	1 42·65	360·00
	23	1 42·67	361·28
	23	1 42·92	360·59
	24	1 38·52	367·33
	24	1 41·10	362·85
	24	1 43·08	360·21
	Mean .	1 41·82	362·04
July.	21	1 42·38	358·26
	22	1 41·22	360·73
	22	1 41·43	360·04
	22	1 44·80	356·24
	22	1 46·48	353·84
	22	1 44·03	356·80
	Mean .	1 43·39	357·65
August.	21	1 46·78	354·54
	21	1 44·67	358·30
	22	1 48·10	353·00
	22	1 49·03	352·54
	23	1 46·65	356·86
	23	1 47·77	357·86
	Mean .	1 47·16	355·52
September.	23	1 46·78	354·04
	23	1 46·70	353·46
	24	1 49·48	350·54
	24	1 49·18	350·32
	25	1 42·02	360·56
	25	1 44·57	356·33
	Mean .	1 46·45	354·21

DATE.		Declination Observed.	Reading of the Observatory Declinometer.
		° ′	Sc. Div.
1851 October.	21	1 43·55	358·60
	22	1 44·03	353·38
	22	1 47·92	351·84
	23	1 39·83	364·52
	23	1 46·05	354·62
	23	1 46·55	355·00
	Mean .	1 44·80	356·33
November.	24	1 48·73	349·40
	24	1 46·40	354·26
	25	1 40·60	360·74
	25	1 44·28	355·40
	26	1 43·82	355·60
	26	1 43·35	355·36
	Mean .	1 44·53	355·13
December.	22	1 50·13	346·62
	22	1 47·95	349·24
	22	1 45·93	355·26
	23	1 43·52	357·62
	23	1 48·50	351·56
	23	1 50·33	349·14
	Mean .	1 47·73	351·57

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