

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS.

HOBARTON, VAN DIEMEN ISLAND.

VOL. II.

Presented by direction of the British Government,

to

Hew Observatory

LONDON : Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty.
For Her Majesty's Stationery Office.



OBSERVATIONS

MADE AT THE

MAGNETICAL AND METEOROLOGICAL
OBSERVATORY

AT

HOBARTON, IN VAN DIEMEN ISLAND.

PRINTED BY ORDER OF HER MAJESTY'S GOVERNMENT,

UNDER THE SUPERINTENDENCE OF

COLONEL EDWARD SABINE,

OF THE ROYAL ARTILLERY.

Vol. II.—Commencing with 1843.

WITH ABSTRACTS OF THE OBSERVATIONS FROM 1843 to 1850 INCLUSIVE.

LONDON:

PUBLISHED FOR HER MAJESTY'S STATIONERY OFFICE, BY

LONGMAN, BROWN, GREEN, AND LONGMANS.

1852.

I N D E X.

ADJUSTMENTS, ABSTRACTS, AND COMMENTS.

MAGNETICAL INSTRUMENTS.

					PAGE
DECLINATION	-	-	-	Annual Variation at different hours, 1843 to 1848	iii
				Diurnal Variation in different months, 1843 to 1848	vii
				Analysis of the larger Disturbances, 1843 to 1848	viii
				Table of the principally disturbed hourly Observations from July 1843 to June 1848 inclusive	xxvii
HORIZONTAL FORCE	-	-	-	Absolute Value ; monthly determinations, 1846 to 1850 inclusive	xxxvii
				Secular Change, 1846 to 1850	xl
				Annual Variation	xli
				Annual and Diurnal Variations	xlii
INCLINATION	-	-	-	Annual Variation	xliv
				Annual and Diurnal Variations	xlv
TOTAL FORCE	-	-	-	Absolute Value	xlvi
				Annual and Diurnal Variations	xlvi
Variation in the magnitude of the Diurnal Range, Declination					xlviii
	”	”		Horizontal Force	xlviii
	”	”		Vertical Force	xlix
	”	”		Inclination	xlix
	”	”		Total Force	xlix

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS.

1843.

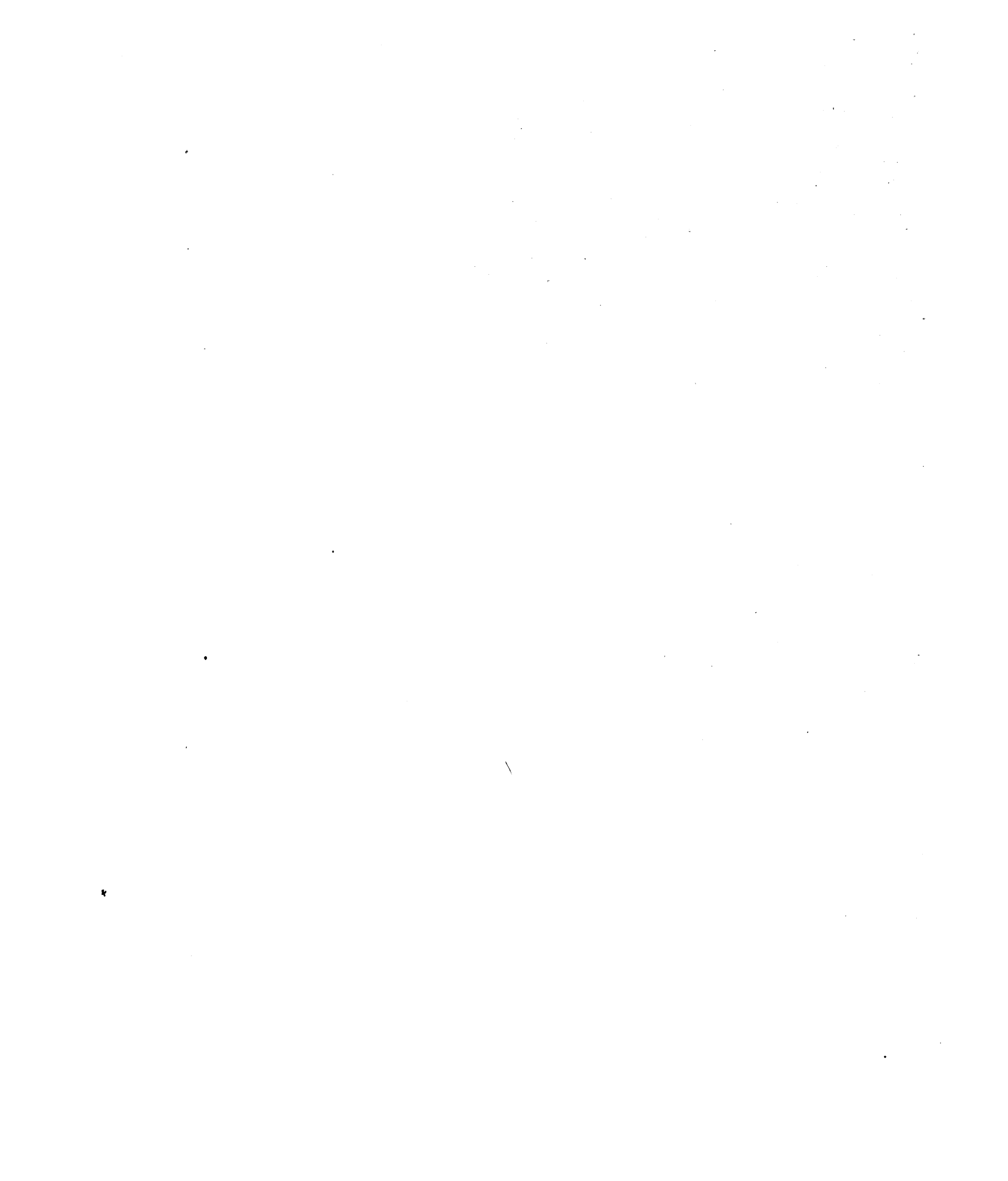
Declination	-	-	-	-	-	-	-	-	2
Horizontal Force	-	-	-	-	-	-	-	-	14

	PAGE
Vertical Force - - - - -	38
Magnetical and Meteorological Term Observations - - - - -	62
Barometer - - - - -	88
Standard Thermometer - - - - -	100
Wet Thermometer - - - - -	112
Humidity of the Air and Tension of Vapour - - - - -	124
Meteorological Journal * - - - - -	150
1844.	
Declination - - - - -	172
Horizontal Force - - - - -	184
Vertical Force - - - - -	208
Magnetical and Meteorological Term Observations - - - - -	232
Barometer - - - - -	258
Standard Thermometer - - - - -	270
Wet Thermometer - - - - -	282
Humidity of the Air and Tension of Vapour - - - - -	294
Meteorological Journal - - - - -	320
1845.	
Declination - - - - -	344
Horizontal Force - - - - -	356
Vertical Force - - - - -	380
Magnetical and Meteorological Term Observations - - - - -	404
Barometer - - - - -	428
Standard Thermometer - - - - -	440
Wet Thermometer - - - - -	452
Humidity of the Air and Tension of Vapour - - - - -	464
Meteorological Journal - - - - -	490
Observations of the Magnetic Inclination 1848 to 1850 - - - - -	512
Observations of the Absolute Horizontal Force 1848 to 1850 - - - - -	520

* Tables of the direction and force of the wind at the observation hours in 1843, 1844, and 1845, similar to those for 1841 and 1842 in Vol. I., have been prepared at Hobarton, but have not arrived at Woolwich in time to be inserted in this Volume. They will be printed in Vol. III.

DIRECTIONS FOR PLACING THE PLATES.

	PAGE
PLATE I. Annual Range of the Declination at the several observation hours in Declination Value -	v
„ II. Annual Variation of the Declination at each of the 24 observation hours - -	vii
„ III. Diurnal Variation of the Declination in the different months in Declination Value - -	viii
„ IV. Annual and Diurnal Variations of the Horizontal Force in different seasons -	xiii
„ V. Annual and Diurnal Variation of the Inclination and Total Force in different seasons -	xiv



ADJUSTMENTS, ABSTRACTS, AND COMMENTS.

MAGNETICAL INSTRUMENTS.

ADJUSTMENTS, ABSTRACTS, AND COMMENTS.

MAGNETIC DECLINATION.

Annual Variation of the Declination at the different observation hours.—In Tables IV. and V. of the First Volume of the Hobarton Observations (pages xxiii. and xxiv.) the Annual Variation is shown as obtained from the Mean Declination of each day derived from 24 observations taken at equal intervals. When thus deduced from the whole of the observation hours conjointly, we find, as the conclusion from five and a half years of observation, that the resulting Easterly Declination at Hobarton is somewhat greater in the months from October to February inclusive than in those from April to August inclusive, the difference, however, not exceeding a small fraction of a minute. The object which is now proposed is to show the Annual Variation as it may be separately derived from the observations at each of the observation hours. For this purpose Table I. of the present volume has been formed, showing the Mean Declination at every observation hour in each month of what may be called a mean or typical year, commencing 2d July 1845, and ending 1st July 1846: 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 five years commencing 2d July 1843 and ending 1st July 1848. Thus the mean of all the observations in the Table, $9^{\circ} 57' \cdot 16$, is the East Declination at the mean epoch of the table, 1st January 1846, derived from five years of hourly observation, of which two and a half years were antecedent and two and a half years subsequent to that epoch. In like manner the mean of the Declinations in the twelve months which are in the same horizontal line with, and correspond to each observation hour, is the Mean Declination which would have been derived for the same epoch (viz., 1st January 1846,) had the observations in the five years been confined to that particular hour only. The vertical column on the extreme right of the Table shows the Mean Declinations in the five years thus taken for each hour respectively. The differences between each of the Mean Declinations in the final column and the mean monthly Declinations at the same hour of which it is composed, (and which are on the same horizontal line with it,) constitute respectively the annual range of the Declination at that hour in a mean or typical year, commencing in July and ending in June. The annual *range* thus derived is compounded of the joint influences of secular change, and of annual *variation*. Assuming that the secular change takes place uniformly and equably throughout the year, and that we know its mean annual amount during the five years comprehended in the Table, its influence on the annual range may be eliminated, by applying to each of the differences between the Mean Declination at any particular hour, and the mean monthly Declinations at the same hour, a proportional part of the secular change due to the interval

between the month to which the difference in question belongs and the mean epoch, 1st January. When these corrections have been applied, the corrected differences constitute the Annual Variation for each separate hour, as it would have been derived from observations at that hour if no secular change whatsoever had existed, and independent therefore of any question respecting the particular month in which the typical year commenced. The mean secular change derived from 130 fortnightly means between 2d July 1843 and 1st July 1848 is an annual increase of $1'39$ of East Declination (Hobarton Observations, Vol. I. p. xxii., Table III.). Table II. contains the differences between the mean values at the several hours in the final column in Table I. and the several monthly means at the same hour, corrected for the proportional part of the secular change in the manner described, for all the observation hours and for each of the months.

TABLE I.

Showing the Mean (East) Declination at every Observation Hour in each Month of the Year, derived from Five Years of Hourly Observation, commencing 2d July 1843, and ending 1st July 1848.

Observation Hour, Hobarton Time, Astronomical Reckoning.		1843 to 1847.						1844 to 1848.						Means of each Observation Hour, corresponding to January 1st, 1846.	
		July 1845.	August 1845.	September 1845.	October 1845.	November 1845.	December 1845.	January 1846.	February 1846.	March 1846.	April 1846.	May 1846.	June 1846.		
H.	M.	9° +	9° +	9° +	9° +	9° +	9° +	9° +	9° +	9° +	9° +	9° +	9° +	9° +	9° +
12	10	55°44	55°26	54°52	55°10	55°44	55°52	55°82	55°89	56°35	56°23	56°95	57°15	55°81	
13	10	55°58	55°68	55°19	55°35	55°53	55°39	55°66	56°26	56°34	56°88	57°62	57°42	56°07	
14	10	56°22	56°15	55°27	55°86	55°78	55°47	55°94	56°52	56°81	57°44	57°83	57°81	56°42	
15	10	56°71	56°56	55°97	55°99	55°88	55°52	55°94	56°81	56°74	57°80	58°21	58°28	56°70	
16	10	56°89	56°85	56°34	56°15	55°66	55°43	55°66	56°80	57°00	57°83	58°28	58°38	56°77	
17	10	56°95	56°92	56°50	55°90	54°78	54°73	54°75	56°24	56°76	57°78	58°30	58°26	56°49	
18	10	56°97	57°03	56°47	55°19	53°85	53°76	53°56	55°29	56°74	57°40	57°99	58°29	56°04	
19	10	57°16	57°10	55°99	53°37	52°14	51°97	51°89	53°82	56°12	56°61	57°80	58°42	55°20	
20	10	56°97	56°32	54°41	51°84	50°87	50°61	50°79	51°91	54°53	55°76	57°42	58°21	54°14	
21	10	56°03	55°34	53°45	51°48	50°81	50°71	51°07	50°97	53°38	54°81	56°79	57°50	53°53	
22	10	55°59	54°68	53°48	53°09	52°80	52°81	53°19	52°19	54°03	54°97	56°61	57°01	54°20	
23	10	55°95	55°19	55°09	55°86	55°97	55°78	56°20	55°22	56°33	56°88	57°21	57°18	56°07	
0	10	57°05	56°64	57°55	58°40	59°35	59°25	59°65	58°80	59°48	59°37	58°74	58°35	58°55	
1	10	58°51	58°45	59°80	61°66	62°07	61°93	62°17	62°15	61°95	61°61	60°52	59°83	60°89	
2	10	59°40	59°70	61°11	62°88	63°06	62°98	62°92	63°79	63°30	62°61	61°22	60°65	61°97	
3	10	59°67	60°30	61°39	62°41	62°44	62°52	62°05	63°81	63°23	62°29	61°28	60°87	61°86	
4	10	58°87	59°86	60°34	60°90	61°28	61°41	61°05	62°50	61°87	61°12	60°58	60°08	60°82	
5	10	58°06	58°79	59°00	59°06	59°40	59°88	59°80	60°75	60°21	59°93	59°51	59°14	59°46	
6	10	57°45	57°86	57°55	57°87	57°96	58°31	58°67	59°18	58°92	59°12	59°23	58°87	58°42	
7	10	57°19	57°34	57°02	56°98	57°11	57°53	57°86	58°01	58°27	58°10	58°16	58°42	57°67	
8	10	56°42	56°42	56°13	56°18	56°54	56°77	57°22	57°73	57°35	57°42	57°81	57°84	56°99	
9	10	55°52	55°90	55°41	55°43	55°81	56°47	57°15	56°87	57°01	56°83	56°95	57°25	56°38	
10	10	55°48	55°45	55°09	55°07	55°56	55°76	56°23	56°07	56°53	56°03	56°70	57°09	55°92	
11	10	55°32	55°11	54°36	54°61	55°29	55°68	56°07	55°69	56°23	55°72	56°64	56°98	55°64	
Means in each Month of all the Observation Hours.		56°88	56°88	56°59	56°56	56°49	56°52	56°73	57°23	57°61	57°96	58°34	58°18	57°16	

MAGNETIC DECLINATION.

v

TABLE II.

Annual Variation of the Declination at the different 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.

Hobarton Time, Astronomical Reckoning.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
12	10	-0.05	-0.10	+0.25	+0.01	+0.61	+0.70	+0.27	-0.02	-0.88	-0.42	-0.19	-0.23
13	10	-0.47	+0.01	+0.02	+0.40	+1.02	+0.71	+0.15	+0.14	-0.47	-0.43	-0.36	-0.62
14	10	-0.54	-0.08	+0.10	+0.61	+0.88	+0.75	+0.44	+0.26	-0.74	-0.27	-0.46	-0.89
15	10	-0.82	-0.07	-0.25	+0.69	+0.98	+0.94	+0.65	+0.39	-0.32	-0.42	-0.64	-1.12
16	10	-1.17	-0.15	-0.06	+0.65	+0.98	+0.97	+0.76	+0.61	-0.02	-0.33	-0.93	-1.28
17	10	-1.80	-0.43	-0.02	+0.88	+1.28	+1.13	+1.10	+0.96	+0.42	-0.30	-1.53	-1.70
18	10	-2.54	-0.93	+0.41	+0.95	+1.42	+1.61	+1.57	+1.52	+0.84	-0.56	-2.01	-2.22
19	10	-3.37	-1.56	+0.63	+1.00	+2.07	+2.58	+2.60	+2.43	+1.20	-1.54	-2.88	-3.17
20	10	-3.41	-2.41	+0.10	+1.21	+2.75	+3.43	+3.47	+2.71	+0.68	-2.01	-3.09	-3.47
21	10	-2.52	-2.74	-0.44	+0.87	+2.73	+3.33	+3.14	+2.34	+0.33	-1.76	-2.54	-2.76
22	10	-1.07	-2.19	-0.46	+0.36	+1.88	+2.17	+2.03	+1.01	-0.31	-0.82	-1.22	-1.33
23	10	+0.07	-1.03	-0.03	+0.40	+0.61	+0.47	+0.52	-0.35	-0.57	+0.08	+0.08	-0.23
0	10	+1.04	+0.07	+0.64	+0.41	-0.34	-0.84	-0.86	-1.38	-0.59	+0.14	+0.98	+0.76
1	10	+1.22	+1.08	+0.77	+0.31	-0.90	-1.70	-1.74	-1.91	-0.68	+1.06	+1.36	+1.10
2	10	+0.89	+1.64	+1.04	+0.23	-1.28	-1.96	-1.93	-1.74	-0.45	+1.20	+1.27	+1.07
3	10	+0.13	+1.77	+1.08	+0.02	-1.11	-1.63	-1.55	-1.03	-0.06	+0.84	+0.76	+0.72
4	10	+0.17	+1.50	+0.76	-0.11	-0.77	-1.38	-1.31	-0.43	-0.07	+0.37	+0.64	+0.65
5	10	+0.28	+1.11	+0.46	+0.06	-0.48	-0.96	-0.76	-0.14	-0.05	-0.11	+0.12	+0.48
6	10	+0.19	+0.58	+0.21	+0.29	+0.28	-0.19	-0.33	-0.03	-0.46	-0.26	-0.28	-0.05
7	10	+0.13	+0.16	+0.31	+0.02	-0.04	+0.11	+0.16	+0.20	-0.24	-0.40	-0.38	-0.08
8	10	+0.17	+0.56	+0.07	+0.02	+0.29	+0.21	+0.07	-0.04	-0.45	-0.52	-0.27	-0.16
9	10	+0.71	+0.31	+0.34	+0.04	+0.04	+0.23	-0.22	+0.05	-0.56	-0.66	-0.39	+0.15
10	10	+0.25	-0.03	+0.32	-0.30	+0.25	+0.53	+0.20	+0.05	-0.42	-0.56	-0.18	-0.10
11	10	+0.37	-0.13	+0.30	-0.33	+0.47	+0.70	+0.32	0.00	-0.87	-0.74	-0.17	+0.10

Plate I., which has been drawn in illustration of Table I., exhibits the mean values of the Declination derived directly from the observations, without correction of any kind, in the several months and at the several hours in the typical year, commencing 2d July 1845, and ending 1st July 1846. The dark vertical lines show the annual range of the Declination at each of the observation hours, and the figures on the left of the lines mark the positions of the several months in the respective ranges, each according to its Mean Declination value. The months are designated from 1 to 12 in their natural order of progression, commencing with January as 1. The broken line MM is the Mean Declination of the year corresponding to its middle point or mean epoch. It is the sum of all the observations in the five years, comprehending all the months and all the hours, divided by the number of the observations. Its value is $9^{\circ} 57' \cdot 16$ East. The dotted line DD shows the mean *Diurnal Variation*, and is drawn through and connects the points of Mean Declination in the year at each of the observation hours. The Diurnal Variation corresponding to any particular month may be traced on this Plate by connecting, either by

the eye or with a pencil, the points marked on the several verticals with the number indicative of the month in question. The scale of this Plate is half an inch to one minute of arc. The Declination is that of the North end of the needle, or of the end which at Hobarton points towards the geographical North.

We perceive by this Plate, that during all the hours of the afternoon, from 1h. 10m. to 6h. 10m. inclusive, the Mean Declination in every month of the year is to the East of the Mean Declination of the whole year, derived from all the months and all the observation hours: and that there are three hours at which the contrary is the case, namely, 10h. 10m., 11h. 10m., and 22h. 10m., at which hours the Mean Declination in each month of the year is to the West of the Mean Declination of the whole year; there being also three other hours, viz., 9h. 10m., 12h. 10m., and 23h. 10m., when such is very nearly the case.

The extreme difference between any two mean monthly Declinations, including all the months and all the hours, is between December at the Western extreme at 20h. 10m. or 21h. 10m. and February at the Eastern extreme at 2h. 10m. or 3h. 10m., and amounts to about 13'. The greatest difference between any two months at the same observation hour is between December at the Western and June at the Eastern extreme at the hour of 20h. 10m., and amounts to about 7'·6.

Plate II. has been drawn in illustration of Table II., and represents the Annual Variation at each of the observation hours after the corrections for secular change have been applied. The dark vertical lines show the comparative magnitude of the Annual Variation at the several hours; and the small cross lines with the names of the months annexed mark the positions which the several months occupy in the respective ranges. The Annual Variation at each of the hours is projected independently of the other hours, and with reference only to its own normal point, viz., the Mean Declination in the year at that particular hour. The broken horizontal line passes through and marks these normal points. The scale of this Plate is double that of Plate I., or an inch to one minute of arc.

On examining Plate II. we perceive that the range of the Annual Variation at the different observation hours, which is small from the early evening to the early morning, undergoes a remarkable increase in the forenoon, reaching a maximum at the hours of 19h.10m., 20h.10m. and 21h.10m. From 21h.10m. the range diminishes until 23h.10m., from which period it again augments to 2h.10m. and 3h.10m., after which it diminishes to the minimum which is at 7h.10m. In respect to the positions of the several months in the respective ranges, we find May, June, July, and generally August approximating to the Eastern extremity of the range at all the hours from 15h. 10m. to 23h. 10m., at which last hour August has descended below or to the West of the mean line. At 0h.10m. August reaches the Western extreme; May, June, and July have also descended to the West of the mean line, and all remain on its West side until 5h. 10m. inclusive; from which hour they re-ascend to the position near the Eastern extreme, which they have already been described as occupying at 15h. 10m.

Opposed to these months as a group are November, December, and January, which at 13h.10m. are collected near the Western extreme, and continue there until 21h.10m. inclusive, after which they begin to ascend towards the East, reaching the Eastern extreme at 0h.10m. and 1h.10m., and subsequently descend towards the mean line until, as already stated, they are found towards the Western extreme at 13h.10m. The change of position of this group from the Western towards the Eastern extreme takes place about one hour earlier than the corresponding opposite change of position of the May to August group. The great diminution of the annual range at 23h.10m. is obviously occasioned by the approach which the two solstitial groups make at that hour to the mean line in the progress of this change.

From 2h.10m. to 8h.10m. inclusive February holds, with a single and slight exception (at 7h.10m.), the Easternmost position of all the months. At 21h.10m., 22h.10m., and 23h.10m. February is found at the opposite or Western extremity. September and October have a decided tendency to the West, and March and April to the East, side of the mean line. The greatest differences between two consecutive months at any observation hour are between September and October in the one direction, and February and March in the opposite direction, at the hours of 19h.10m. and 20h.10m.

Diurnal Variation of the Declination in the different months.—Tables VI., VII., and VIII. of Volume I., extending from January 1841 to September 1848. inclusive, contained the Diurnal Variation in every month, expressed not in its true Declination values, but with reference in each case to the mean value of the Declination in the respective months. Table IX. and Plate I. in the same volume showed the mean Diurnal Variation at opposite seasons of the year; the months from April to August inclusive, and from October to February inclusive, being combined into two groups for that purpose. Plate I. of the present volume furnishes the means, as already stated in pages v. and vi., to those who may be desirous of examining the Diurnal Variation in any particular month with reference to the values of the Declination in other months of the year, of tracing, either by the eye or with the pencil, the mean Diurnal Variation in any of the months, according to its true Declination value, and as derived from five years of consecutive and connected observation. The phenomena of the Diurnal Variation in each month as derived from the same five years of observation are also shown in a different form in Plate III. of the present volume, in which the range of the Diurnal Variation in each month is projected in vertical lines, each represented in its true position in regard to Declination value. The Mean Declination corresponding to each of the observation hours in the several months is indicated on the respective verticals by small cross lines, having the hours to which they refer marked against them, those of the day being on the right, and those of the night on the left, of the verticals. The times of observation at Hobarton, being exact hours of Göttingen time, differed from exact hours of local time by about 10 minutes; an exact hour at Hobarton preceding an exact hour at Göttingen by that amount: the approximately equivalent decimal .2 has been substituted in Plate III. for 10 minutes as more convenient from occupying less space. The scale of Plate III. is the same as that of Plate I., viz., half

an inch to one minute of Declination. The line *ss* passing through the Mean Declination of the five years ($9^{\circ} 57' \cdot 16$ East), and corresponding to the mean epoch (1st January 1846), represents the direction and mean amount of the secular change, which is an annual increase of $1' \cdot 39$ East Declination.

The dotted line *aa* connects the points of Mean Declination in each month, and represents the mean Annual Variation projected with reference to *ss* as a mean line. If the Annual Variation for any particular hour be desired, it is only necessary to connect, either by the eye or with a pencil, the small cross lines indicating on each vertical the hour in question.

On examining this Plate we perceive that the range of the Diurnal Variation is least in the midwinter months of June and July, increasing progressively on the one side to April, and on the other side to September, in which months the range is very nearly equal. March, of which the larger portion falls on the summer side of the Equinox, has a larger range than either April or September. The five remaining months, October to February, belong entirely to the summer portion of the year, and have a much larger range than the Equinoctial and the winter months. The range in each of these five months is nearly equal; February, however, having rather the largest.

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 hourly observations occurring in the five years from July 1843 to June 1848 inclusive, which differed to an amount of $3 \cdot 5$ scale divisions, or $2' \cdot 48$ of Declination, from the mean or normal position of the Declinometer 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 differences being taken from the mean position at the same hour in the same month, the influence of the *Diurnal variation* is eliminated, as far at least as mean *monthly* values of the Diurnal Variation afford a means of elimination. As the *character* of the laws (presuming that laws exist) which govern the occurrence of these remarkable phenomena in particular years, or in particular seasons of the year or hours of the day, is the object of this investigation, and not the precise numerical expressions of those laws, greater precision in eliminating the Diurnal Variation is not required. At certain seasons of the year the Diurnal Variation alters considerably from one month to the next, so that if precision were an object it might be proper to take averages for less than monthly periods. By fixing the separating value so high as $2' \cdot 48$ it becomes the less necessary to regard the inequalities of the Diurnal Variation towards the beginning and (in an opposite sense) towards the end of a month, which occur when mean monthly values are taken. The amount $3 \cdot 5$ scale divisions or $2' \cdot 48$ was in fact determined by the desire, on the one hand, that it should be sufficiently *high* to exclude the inequalities of other well recognized periodical affections, as well as those arising possibly from accidental or instrumental causes, (which may be safely assumed to have been small in the case of Magnetometers enclosed in double external boxes and never

touched,) and on the other hand sufficiently *low* to cause the number of separated observations to be sufficient to furnish their characteristics as a class.

The system of observation being hourly, and maintained in every day of the year, Sundays, Christmas Day, and Good Friday excepted, the number of hourly observations which should correspond to the five years commencing 2d July 1843, and ending 1st July 1848 (omitting 9 days in July 1843 when the Magnetometers were under adjustment) is 37,128. The number of observations actually made was 36,588; 540 observations having from one cause or other been accidentally missed in the course of the five years. The number of observations in which the difference from the mean or normal position of the Declinometer Magnet at the same hour in the same month equalled or exceeded 2'·48, and which have been separated from the others for the purpose of investigating the laws of their occurrence, is 3,469, being in the proportion of 1 in 10·55 of the whole body of the observations.

When the 3,469 disturbed observations are distributed into the several years of their occurrence we find the numbers in the different years to be as follows:—

1843, six months, July to December inclusive	-	-	-	-	-	179
1844, twelve months	-	-	-	-	-	562
1845, twelve months	-	-	-	-	-	502
1846, twelve months	-	-	-	-	-	757
1847, twelve months	-	-	-	-	-	947
1848, six months, January to June inclusive	-	-	-	-	-	522
					Total	3,469
					Average annual number	693·8

Ratio of the number of disturbed observations in the different years to unity, the average annual number (693·8) being taken as unity.

1843 (ratio taken for six months)	-	-	-	-	-	0·52
1844	-	-	-	-	-	0·81
1845	-	-	-	-	-	0·72
1846	-	-	-	-	-	1·09
1847	-	-	-	-	-	1·36
1848 (ratio taken for six months)	-	-	-	-	-	1·50

Aggregate amount of disturbance in the disturbed observations in different years, in scale divisions. One scale division = 0·71 of Declination.

1843 (six months, July to December inclusive)	-	-	-	-	-	971·4 Sc. Div.
1844	-	-	-	-	-	3,281·3
1845	-	-	-	-	-	2,707·0
1846	-	-	-	-	-	4,146·2
1847	-	-	-	-	-	5,791·6
1848 (six months, January to June inclusive)	-	-	-	-	-	3,222·0
					Total	20,119·5
					Average annual amount	4,023·9

ADJUSTMENTS, ABSTRACTS, AND COMMENTS.

Ratio of the amount of disturbance in different years to unity, the average annual amount (4,023.9 sc. div.) being taken as unity.

1843 (ratio taken for six months)	-	-	-	-	-	-	-	-	0.48
1844	-	-	-	-	-	-	-	-	0.82
1845	-	-	-	-	-	-	-	-	0.67
1846	-	-	-	-	-	-	-	-	1.03
1847	-	-	-	-	-	-	-	-	1.44
1848 (ratio taken for six months)	-	-	-	-	-	-	-	-	1.60

Average amount of disturbance in a disturbed observation in the different years; i. e. the quotients obtained by dividing the values by the numbers.

1843 (July to December inclusive)	-	-	5.43 Sc. Div. = 3.85 of Declination.
1844, twelve months	-	-	5.84 „ = 4.15 „
1845	-	-	5.39 „ = 3.83 „
1846	-	-	5.48 „ = 3.89 „
1847	-	-	6.12 „ = 4.34 „
1848 (January to June inclusive)	-	-	6.17 „ = 4.38 „

The years under consideration may therefore be ranged in the following succession, first, in respect to the ratio of the aggregate amount of disturbance in the disturbed observations of each year, and second, in respect to the average magnitude of disturbance in a disturbed observation in each year; (1843 and 1848 are estimated from the observations each of six months only.)

Ratio of the Aggregate Amount of Disturbance.	Average Magnitude of the disturbed Observations.
1848	1848
1847	1847
1846	1844
1844	1846
1845	1843
1843	1845

The number of disturbed observations equalling or exceeding $2'.48$ from the mean or normal position of the magnet in the same month and at the same hour was greatest in 1847, but was exceeded in the ratio of the numbers by the six months of 1848. The aggregate value of the disturbed observations was greatest in 1847, but was exceeded in the ratio of aggregate value by the six months of 1848. The average magnitude of the disturbed observations was considerably greater in 1847 and 1848 than in the other years; 1843 and 1845 present the lowest ratios both in numbers and values, and the average magnitude of a disturbed observation is also least in those years.

The following table shows the number of observation hours in each year (24 hours in each day, excepting Sundays, Christmas Day, and Good Friday),—the actual number of observations made,—and the number of observations missed by accident or otherwise.

TABLE III.

YEARS.	Number of Observation Hours.	Actual Number of Observations.	Observations missed.
1843 (six months) -	3,504*	3,446	58
1844 - - -	7,512	7,411	101
1845 - - -	7,464	7,344	120
1846 - - -	7,464	7,362	102
1847 - - -	7,464	7,358	106
1848 (six months) -	3,720	3,667	53
Sums - - -	37,128	36,588	540

The number of observations made in the five years from July 1843 to July 1848 (36,588) divided by 3,469, the number of disturbed observations in the same period, shows the proportion which the whole number of observations bears to the number of the disturbed portion; this is 10'55 to 1; whence we may conclude as the result of the experience of five years of hourly observation, that if observations of the declination are made at Hobarton at regular intervals, one observation in 10'55 may be expected to differ from the mean or normal value of the declination at the same hour in the same month by a quantity equal to or exceeding 2'48.

The average value of a disturbed observation is given by the aggregate value divided by the number, or 20,119'5 scale divisions divided by 3,469; the quotient is 5'79 scale divisions, or 4'11; whence we may conclude that at Hobarton one observation in 10'55 of a regular series may be expected to differ from the mean or normal value of the declination at the same hour in the same month, by a quantity which on the average of five years of hourly observation has been found equal to 4'11.

The next tables show the numbers and aggregate values of the disturbed observations in the different months.

TABLE IV.

Number of disturbed Observations in the different Months.

MONTHS.	1843.	1844.	1845.	1846.	1847.	1848.	SUMS.
January - - -	—	67	106	81	80	169	503
February - - -	—	38	55	69	66	114	342
March - - -	—	58	39	39	70	107	313
April - - -	—	68	26	69	80	62	305
May - - -	—	18	15	41	42	48	164
June - - -	—	10	7	35	27	22	101
July - - -	19	26	11	65	22	—	143
August - - -	30	35	37	82	53	—	237
September - - -	26	51	48	102	130	—	357
October - - -	32	61	45	80	139	—	357
November - - -	29	51	43	50	106	—	279
December - - -	43	79	70	44	132	—	368
Total - - -	179	562	502	757	947	522	3,469

* During ten days in July 1843 the Declinometer was not in adjustment.

TABLE V.

*Aggregate Values of the disturbed Observations in the different Months in Scale Divisions.
One Scale Division = 0'·71 of Declination.*

MONTHS.	1843.	1844.	1845.	1846.	1847.	1848.	SUMS.
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
January - -	—	315·0	564·9	405·6	369·2	984·6	2639·3
February - -	—	195·2	289·2	322·3	352·0	682·3	1841·0
March - - -	—	380·3	196·0	218·5	426·7	645·1	1866·6
April - - -	—	537·9	141·3	351·6	532·7	471·2	2034·7
May - - - -	—	99·7	74·1	210·1	236·8	330·6	951·3
June - - - -	—	43·9	37·4	166·1	167·9	108·2	523·5
July - - - -	166·6	141·9	52·0	402·9	119·2	—	882·6
August - - -	142·0	226·1	205·1	444·7	288·8	—	1306·7
September - -	143·0	279·5	270·7	698·9	974·7	—	2366·8
October - - -	169·6	389·4	226·0	472·4	839·0	—	2096·4
November - - -	129·2	235·8	210·3	260·3	608·1	—	1443·7
December - - -	221·0	436·6	440·0	192·8	876·5	—	2166·9
Sums - - - -	971·4	3281·3	2707·0	4146·2	5791·6	3222·0	20119·5

TABLE VI.

Ratios of the Numbers and of the Aggregate Values of the disturbed Observations in the different Months to the Mean Monthly Number and the Mean Monthly Aggregate Value.

MONTHS.	Numbers.	Aggregate Values.
	$\frac{3469}{12} = 1\cdot00$	$\frac{20119\cdot5}{12} = 1\cdot00$
January - - -	- - = 1·74	- - = 1·58
February - - -	- - = 1·18	- - = 1·10
March - - - -	- - = 1·08	- - = 1·12
April - - - -	- - = 1·05	- - = 1·22
May - - - - -	- - = 0·57	- - = 0·57
June - - - - -	- - = 0·35	- - = 0·31
July - - - - -	- - = 0·49	- - = 0·53
August - - - -	- - = 0·82	- - = 0·78
September - - -	- - = 1·24	- - = 1·41
October - - - -	- - = 1·24	- - = 1·25
November - - - -	- - = 0·97	- - = 0·86
December - - - -	- - = 1·27	- - = 1·29

The ratios in the different months show a maximum both in numbers and values in January, and a minimum both in numbers and values in June, or a maximum in the mid-summer and a minimum in the midwinter months. There is a tendency towards secondary maxima, both in the numbers and values, at the spring equinox in September; and in the

values at the autumn equinox in March and April; November has a lower ratio than the months on either side of it.

The average value of a disturbed observation (i.e. the aggregate value divided by the number) in each of the months is as follows.

TABLE VII.

MONTHS.	Average Values.	Ratio to the Mean Monthly Value.	MONTHS.	Average Values.	Ratio to the Mean Monthly Value.
January - -	3.73	0.91	July - -	4.38	1.07
February - -	3.82	0.93	August - -	3.91	0.95
March - -	4.23	1.03	September - -	4.70	1.14
April - -	4.74	1.15	October - -	4.16	1.01
May - -	4.12	1.00	November - -	3.67	0.89
June - -	3.68	0.90	December - -	4.18	1.02

Mean Monthly Value = $4.11 = 1.00$.

Ratio in the four summer months, November, December, January, and February, = 0.94.

Ratio in the four winter months, May, June, July, and August, = 0.98.

Ratio in the four intermediate months, September and October, and March and April, = 1.08.

The value of a disturbed observation is greater in the winter than in the summer months, and greatest in the intermediate or equinoctial months.

In Table VIII. are shown the number of easterly and of westerly disturbed observations in the different months; and in table IX. the aggregate values of the easterly and of the westerly disturbances.

TABLE VIII.

MONTHS.	EASTERLY.							WESTERLY.						
	1843.	1844.	1845.	1846.	1847.	1848.	Sums.	1843.	1844.	1845.	1846.	1847.	1848.	Sums.
January -	—	27	43	39	33	74	216	—	40	63	42	47	95	287
February -	—	18	23	30	33	54	158	—	20	32	39	33	60	184
March -	—	28	21	19	34	47	149	—	30	18	20	36	60	164
April -	—	35	7	28	45	29	144	—	33	19	41	35	33	161
May -	—	8	4	25	25	19	81	—	10	11	16	17	29	83
June -	—	2	1	15	12	12	42	—	8	6	20	15	10	59
July -	7	12	3	29	15	—	66	12	14	8	36	7	—	77
August -	17	10	20	36	30	—	113	13	25	17	46	23	—	124
September -	12	22	16	52	75	—	177	14	29	32	50	55	—	180
October -	13	27	18	35	70	—	163	19	34	27	45	69	—	194
November -	14	15	13	16	45	—	103	15	36	30	34	61	—	176
December -	21	31	29	18	63	—	162	22	48	41	26	69	—	206
Sums -	84	235	198	342	480	235	1,574	95	327	304	415	467	287	1,895

TABLE IX.

Aggregate Values of the Easterly and of the Westerly disturbed Observations in the different Months in Scale Divisions. One Scale Division = 0'71 in Declination.

MONTHS.	EASTERLY.							WESTERLY.						
	1843.	1844.	1845.	1846.	1847.	1848.	Sums.	1843.	1844.	1845.	1846.	1847.	1848.	Sums.
January -	—	138'3	249'4	185'7	148'5	416'0	1137'9	—	176'7	315'5	219'9	220'7	568'6	1501'4
February -	—	82'2	111'5	131'4	168'7	319'7	813'5	—	113'0	177'7	190'9	183'3	362'6	1027'5
March -	—	152'1	98'0	87'7	176'5	267'4	781'7	—	228'2	98'0	130'8	250'2	377'7	1084'9
April -	—	252'5	35'9	140'2	224'9	227'5	881'0	—	285'4	105'4	211'4	307'8	243'7	1153'7
May -	—	44'5	18'4	126'1	150'8	112'9	452'7	—	55'2	55'7	84'0	86'0	217'7	498'6
June -	—	6'9	3'7	74'5	68'5	59'0	212'6	—	37'0	33'7	91'6	99'4	49'2	310'9
July -	46'4	61'7	19'4	143'5	89'4	—	360'4	120'2	80'2	32'6	259'4	29'8	—	522'2
August -	78'5	59'9	105'4	187'5	160'9	—	592'2	63'5	166'2	99'7	257'2	127'9	—	714'5
September	56'4	122'3	76'4	243'0	407'1	—	905'2	86'6	157'2	194'3	455'9	567'6	—	1461'6
October -	55'5	155'5	86'7	186'1	375'4	—	859'2	114'1	233'9	139'3	286'3	463'6	—	1237'2
November	61'7	67'4	57'1	75'5	254'0	—	515'7	67'5	168'4	153'2	184'8	354'1	—	928'0
December	116'7	187'0	153'2	72'9	374'6	—	904'4	104'3	249'6	286'8	119'9	501'9	—	1262'5
Sums -	415'2	1330'3	1015'1	1654'1	2599'3	1402'5	8416'5	556'2	1951'0	1691'9	2492'1	3192'3	1819'5	11703'0

The ratio of the number of easterly and westerly disturbed observations in the different months to the mean monthly numbers is as follows:—

TABLE X.

Months.	Easterly.	Westerly.
January - -	1'65	1'82
February - -	1'21	1'16
March - -	1'14	1'04
April - -	1'10	1'02
May - -	0'62	0'53
June - -	0'32	0'37
July - -	0'50	0'49
August - -	0'86	0'78
September - -	1'35	1'14
October - -	1'24	1'23
November - -	0'79	1'11
December - -	1'23	1'30
Mean monthly number	$\frac{1574}{12} = 1'00$	$\frac{1895}{12} = 1'00$

When the aggregate values are substituted for the numbers, the ratios are as follows:—

TABLE XI.

Months.	Easterly.	Westerly.
January - - -	1'62	1'54
February - - -	1'16	1'05
March - - -	1'11	1'11
April - - -	1'26	1'18
May - - -	0'65	0'51
June - - -	0'30	0'32
July - - -	0'51	0'54
August - - -	0'84	0'73
September - - -	1'29	1'50
October - - -	1'22	1'27
November - - -	0'73	0'95
December - - -	1'29	1'29
Mean monthly value	$\frac{8416\cdot5}{12} = 1\cdot00$	$\frac{11703\cdot0}{12} = 1\cdot00$

The ratios both of the easterly and of the westerly disturbed observations, whether in numbers or values, exhibit the same law as the ratios of the numbers and values when easterly and westerly are combined,—a maximum in January and a minimum in June, with a tendency towards secondary maxima about the periods of the equinoxes, September being somewhat the greater. November has in all cases a lower ratio than the months on either side of it.

If we now proceed to compare the numbers and values of the easterly with those of the westerly disturbed observations, we find that in every month the numbers and aggregate values of the westerly disturbances preponderate; the ratio of westerly to easterly on the general average is in numbers 1'22 to 1, and in values 1'40 to 1; whence we perceive that the westerly disturbed observations are not only more numerous but have a higher average value than the easterly.

The ratio of the westerly to the easterly disturbed observations in each separate year in numbers and values is as follows:—

TABLE XII.

Years.	Numbers.	Values.
1843	1'13 to 1	1'34 to 1
1844	1'39 to 1	1'46 to 1
1845	1'54 to 1	1'66 to 1
1846	1'21 to 1	1'51 to 1
1847	0'97 to 1	1'23 to 1
1848	1'22 to 1	1'30 to 1

The ratio of the westerly to the easterly disturbed observations in the different months, in numbers and values is as follows :—

TABLE XIII.

Months.	Numbers.	Values.
January - - -	1'33 to 1	1'32 to 1
February - - -	1'16 to 1	1'26 to 1
March - - -	1'10 to 1	1'39 to 1
April - - -	1'12 to 1	1'31 to 1
May - - -	1'02 to 1	1'10 to 1
June - - -	1'40 to 1	1'46 to 1
July - - -	1'17 to 1	1'45 to 1
August - - -	1'10 to 1	1'21 to 1
September - - -	1'02 to 1	1'61 to 1
October - - -	1'19 to 1	1'44 to 1
November - - -	1'71 to 1	1'80 to 1
December - - -	1'27 to 1	1'40 to 1

The ratios are in every instance higher in the values than the numbers, except in the month of January, when they are very nearly equal, showing that the greater magnitude of the westerly disturbances is very general at Hobarton.

The average value of an easterly and of a westerly disturbed observation in the different months is as follows :—

TABLE XIV.

Months.	Easterly.	Westerly.
January - - -	3'74	3'71
February - - -	3'65	3'96
March - - -	3'72	4'69
April - - -	4'35	5'08
May - - -	3'97	4'27
June - - -	3'60	3'74
July - - -	3'87	4'82
August - - -	3'72	4'09
September - - -	3'63	5'77
October - - -	3'74	4'52
November - - -	3'55	3'74
December - - -	3'95	4'35
General Mean	3'79	4'39

The average value of an easterly disturbed observation is less than that of a westerly in all the months, except January, when they are nearly the same ; on the mean of all the months of the year the easterly value is considerably less than the westerly value. Both the easterly and westerly values are less in the four summer than in the four winter months, and less

both in summer and winter than in the intermediate months or those of spring and autumn.

The influence of season is most conspicuous in the westerly.

The average values of the four summer months are easterly 3'·72; westerly 3'·94

The average values of the four winter months are „ 3'·79; „ 4'·23

The average values of the four intermediate (spring }
and autumn) are - - - - } „ 3'·86; „ 5'·01

The average values of the easterly and westerly constituents viewed separately show each a similar influence of season to that which is presented by them when taken conjointly, namely, the smallest average value in the four summer months, and the greatest in the four months of spring and autumn. The range of the average values of the westerly is considerably greater than that of the easterly disturbed observations.

Table XV. contains a statement of the numbers and aggregate values of the disturbed observations distributed into the respective *hours* of their occurrence.

TABLE XV.

Mean Time at Hobarton.		Number.						Values (in Sc. Div.)						Mean Time at Hobarton.		
		1843.	1844.	1845.	1846.	1847.	1848.	Sums.	1843.	1844.	1845.	1846.	1847.			1848.
h. m.															h. m.	
18 10		7	16	14	26	27	15	105	38·5	95·4	68·2	132·5	156·2	81·0	571·8	18 10
19 10		7	21	23	33	40	22	146	33·9	130·4	120·2	159·7	217·1	137·8	799·1	19 10
20 10		8	27	20	29	47	30	161	38·6	150·4	104·5	159·2	262·9	177·2	892·8	20 10
21 10		4	20	22	29	54	22	151	18·1	99·6	111·3	137·6	287·5	109·1	763·2	21 10
22 10		6	15	22	26	53	25	147	26·7	71·1	96·5	117·4	267·0	136·1	714·8	22 10
23 10		7	17	30	33	43	20	150	31·9	75·1	145·5	144·4	219·4	119·7	736·0	23 10
0 10		10	25	29	34	34	18	150	43·6	115·2	138·9	155·0	166·5	93·8	713·0	0 10
1 10		8	25	28	33	42	24	160	36·3	122·4	125·7	144·3	197·9	128·0	754·6	1 10
2 10		5	25	19	31	50	34	164	18·3	126·2	89·7	137·7	257·8	178·8	808·5	2 10
3 10		5	24	19	28	43	30	149	24·3	127·2	90·5	130·9	214·4	174·8	762·1	3 10
4 10		6	22	18	34	40	24	144	30·6	121·1	87·0	157·3	219·6	146·5	762·1	4 10
5 10		5	19	14	35	37	20	130	27·4	100·7	79·5	149·4	247·8	112·2	717·0	5 10
6 10		4	18	15	36	27	19	119	20·6	99·8	74·8	231·8	192·9	137·7	757·6	6 10
7 10		8	20	12	28	33	15	116	41·9	126·4	65·5	173·9	207·8	106·6	722·1	7 10
8 10		10	27	19	33	21	17	127	86·5	169·6	91·6	185·8	147·3	98·4	779·2	8 10
9 10		11	38	21	28	26	17	141	62·7	230·3	148·8	192·4	206·9	142·7	983·8	9 10
10 10		9	28	25	35	36	27	160	52·8	209·5	156·7	208·8	242·6	184·9	1055·3	10 10
11 10		12	31	19	43	72	17	194	64·1	211·9	123·8	272·7	553·0	160·3	1385·8	11 10
12 10		11	29	28	38	51	27	184	63·0	214·0	155·3	257·3	348·8	178·2	1216·6	12 10
13 10		7	32	32	29	32	27	159	41·5	185·3	188·1	195·2	249·8	175·0	934·9	13 10
14 10		7	22	23	34	38	19	143	57·8	133·1	169·4	223·7	257·4	119·3	960·7	14 10
15 10		8	24	25	30	36	22	145	45·3	129·5	144·3	206·4	257·5	125·1	908·1	15 10
16 10		8	20	19	37	35	18	137	40·1	107·4	104·1	175·9	244·3	111·8	783·6	16 10
17 10		6	17	6	15	30	13	87	26·9	129·7	27·1	96·9	169·2	87·0	536·8	17 10
Sums		179	562	502	757	947	522	3469	971·4	3281·3	2707·0	4146·2	5794·6	3222·0	20119·5	Sums

The ratios of the numbers and of the aggregate values at the several hours to the mean hourly numbers and values are as follows:—

TABLE XVI.

Hours.		Numbers. $\frac{3469}{24} = 1.00$	Values. $\frac{20119.5}{24} = 1.00$	Hours.		Numbers. $\frac{3469}{24} = 1.00$	Values. $\frac{20119.5}{24} = 1.00$
H.	M.			H.	M.		
18	10	0.73	0.68	6	10	1.04	0.90
19	10	1.01	0.96	7	10	0.81	0.86
20	10	1.12	1.07	8	10	0.88	0.93
21	10	1.05	0.91	9	10	0.98	1.17
22	10	1.02	0.85	10	10	1.11	1.26
23	10	1.04	0.88	11	10	1.35	1.66
0	10	1.04	0.85	12	10	1.28	1.45
1	10	1.11	0.90	13	10	1.10	1.12
2	10	1.14	0.97	14	10	0.99	1.15
3	10	1.04	0.91	15	10	1.01	1.08
4	10	1.00	0.91	16	10	0.95	0.94
5	10	0.90	0.86	17	10	0.60	0.64

The principal features which present themselves in the comparison of the numbers and values of the disturbed observations at the different hours are, 1°, the increase which takes place in the ratios generally during the hours of the night as compared with those of the day, particularly at the hours of 10, 11, and 12; and, 2°, the decrease at the hours of 17 and 18. The latter are decidedly the most tranquil hours of the 24, whether we regard the number or the amount of the disturbances. The hour of maximum both in number and value is 11; there is also a tendency towards inferior maxima at 20 and at 2, both in numbers and values.

The average value of a disturbed observation at the different hours is shown in the following table:—

TABLE XVII.

Hours.		Average Value.	Hours.		Average Value.
H.	M.	/	H.	M.	/
18	10	3.9	6	10	4.5
19	10	3.9	7	10	4.4
20	10	3.9	8	10	4.4
21	10	3.6	9	10	5.0
22	10	3.5	10	10	4.7
23	10	3.5	11	10	5.1
0	10	3.4	12	10	4.7
1	10	3.3	13	10	4.2
2	10	3.5	14	10	4.8
3	10	3.6	15	10	4.5
4	10	3.8	16	10	4.1
5	10	3.9	17	10	4.4
Mean		3.65 { during the day.	Mean		4.57 { during the night.

The values are all greater during the hours of the night than during the hours of the day. The minimum value occurs at one hour after noon, and the maximum at one hour before midnight.

The numbers and aggregate values at the different hours separated into easterly and westerly disturbances are shown in Tables XVIII. and XIX.

TABLE XVIII.

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

Mean Time at Hobarton.	EASTERLY.							WESTERLY.						
	1843.	1844.	1845.	1846.	1847.	1848.	Sums.	1843.	1844.	1845.	1846.	1847.	1848.	Sums.
h. m.														
18 10	5	9	7	17	16	8	62	2	7	7	9	11	7	43
19 10	5	12	13	22	23	13	88	2	9	10	11	17	9	58
20 10	6	12	9	21	28	17	93	2	15	11	8	19	13	68
21 10	4	12	12	21	32	12	93	0	8	10	8	22	10	58
22 10	5	11	15	13	29	13	86	1	4	7	13	24	12	61
23 10	5	10	17	18	26	11	87	2	7	13	15	17	9	63
0 10	6	14	15	19	18	9	81	4	11	14	15	16	9	69
1 10	6	13	16	18	25	13	91	2	12	12	15	17	11	69
2 10	4	15	13	16	26	17	91	1	10	6	15	24	17	73
3 10	3	15	12	18	24	17	89	2	9	7	10	19	13	60
4 10	5	16	12	17	24	12	86	1	6	6	17	16	12	58
5 10	3	9	9	20	22	14	77	2	10	5	15	15	6	53
6 10	3	6	10	20	18	10	67	1	12	5	16	9	9	52
7 10	3	4	3	8	18	6	42	5	16	9	20	15	9	74
8 10	2	6	1	10	6	5	30	8	21	18	23	15	12	97
9 10	2	7	0	3	3	4	19	9	31	21	25	23	13	122
10 10	0	4	1	6	7	6	24	9	24	24	29	29	21	136
11 10	0	3	1	11	40	3	58	12	28	18	32	32	14	136
12 10	2	7	4	10	20	6	49	9	22	24	28	31	21	135
13 10	1	7	5	8	8	13	42	6	25	27	21	24	14	117
14 10	2	6	4	10	18	6	46	5	16	19	24	20	13	97
15 10	3	12	8	11	14	9	57	5	12	17	19	22	13	88
16 10	4	13	9	19	20	7	72	4	7	10	18	15	11	65
17 10	5	12	2	6	15	4	44	1	5	4	9	15	9	43
Sums	84	235	198	342	480	235	1,574	95	327	304	415	467	287	1,895

ADJUSTMENTS, ABSTRACTS, AND COMMENTS.

TABLE XIX.

Aggregate Values of the Easterly and of the Westerly disturbed Observations at the different Hours in Scale Divisions. One Scale Division = 0'71 in arc.

Mean Time at Hobarton.		EASTERLY.							WESTERLY.						
		1843.	1844.	1845.	1846.	1847.	1848.	Sums.	1843.	1844.	1845.	1846.	1847.	1848.	Sums.
H.	M.														
18	10	27.1	67.8	35.6	82.3	98.5	44.8	356.1	11.4	27.6	32.6	50.2	57.7	36.2	215.7
19	10	25.7	87.4	76.8	112.4	139.0	97.5	538.8	8.2	43.0	43.4	47.3	78.1	40.3	260.3
20	10	30.6	74.9	50.5	115.0	170.2	112.4	553.6	8.0	75.5	54.0	44.2	92.7	64.8	339.2
21	10	18.1	65.8	70.0	104.6	176.5	60.1	495.1	0.0	33.8	41.3	33.0	111.0	49.0	268.1
22	10	23.4	53.7	68.6	66.2	158.8	75.1	445.8	3.3	17.4	27.9	51.2	108.2	61.0	269.0
23	10	24.4	44.7	90.1	80.4	137.4	59.3	436.3	7.5	30.4	55.4	64.0	82.0	60.4	299.7
0	10	28.2	63.7	77.7	89.0	96.7	43.0	398.3	15.4	51.5	61.2	66.0	69.8	50.8	314.7
1	10	27.7	72.9	73.1	82.8	117.9	67.7	442.1	8.6	49.5	52.6	61.5	80.0	60.3	312.5
2	10	14.6	86.0	59.0	72.6	142.8	87.6	462.6	3.7	40.2	30.7	65.1	115.0	91.2	345.9
3	10	16.5	92.1	57.3	85.8	128.2	112.1	492.0	7.8	35.1	33.2	46.1	86.2	62.7	271.1
4	10	26.1	79.3	62.6	82.7	143.2	93.1	487.0	4.5	41.8	24.4	74.6	76.4	53.4	275.1
5	10	18.0	54.4	47.3	84.4	171.3	88.2	463.6	9.4	46.3	32.2	65.0	76.5	24.0	253.4
6	10	13.9	34.4	49.3	98.7	125.6	84.9	406.8	6.7	65.4	25.5	133.1	67.3	52.8	350.8
7	10	15.2	23.4	18.2	42.8	87.0	30.9	217.5	26.7	103.0	47.3	131.1	120.8	75.7	504.6
8	10	11.7	25.1	4.8	47.5	25.8	24.6	139.5	74.8	144.5	86.8	138.3	121.5	73.8	639.7
9	10	6.9	26.5	0.0	18.1	22.8	36.6	110.9	55.8	203.8	148.8	174.3	184.1	106.1	872.9
10	10	0.0	16.1	4.8	26.6	27.1	23.6	98.2	52.8	193.4	151.9	182.2	215.5	161.3	957.1
11	10	0.0	13.9	5.7	44.4	81.2	14.6	259.8	64.1	198.0	118.1	228.3	371.8	145.7	1126.0
12	10	9.0	32.4	17.5	43.2	86.9	28.7	217.7	54.0	181.6	137.8	213.1	261.9	149.5	997.9
13	10	4.1	33.8	24.5	34.5	43.3	54.5	194.7	37.4	151.5	163.6	160.7	206.5	120.5	840.2
14	10	17.6	30.5	17.0	48.9	74.7	32.4	221.1	40.2	102.6	152.4	174.8	182.7	86.9	739.6
15	10	14.5	64.6	39.6	63.6	70.8	43.2	296.3	30.8	64.9	104.7	142.8	186.7	81.9	611.8
16	10	18.8	77.5	54.6	81.3	95.8	47.6	375.6	21.3	29.9	49.5	94.6	148.5	64.2	408.0
17	10	23.1	109.4	10.5	46.3	77.9	40.0	307.2	3.8	20.3	16.6	50.6	91.3	47.0	229.6
Sums		415.2	1330.3	1015.1	1654.1	2599.4	1402.5	8416.6	556.2	1951.0	1691.9	2492.1	3192.2	1819.5	11702.9

TABLE XX.

Ratio of the Easterly and of the Westerly Numbers and Values at the different Hours to the Mean Hourly Number and Value.

Mean Time at Hobarton.		EASTERLY.		WESTERLY.		Mean Time at Hobarton.	
		Numbers. $\frac{1574}{24} = 1.00$	Values. $\frac{8416.6}{24} = 1.00$	Numbers. $\frac{1895}{24} = 1.00$	Values. $\frac{11702.9}{24} = 1.00$		
H.	M.					H.	M.
18	10	0.94	1.02	0.54	0.44	18	10
19	10	1.33	1.53	0.73	0.53	19	10
20	10	1.41	1.58	0.86	0.70	20	10
21	10	1.41	1.41	0.73	0.55	21	10
22	10	1.30	1.27	0.77	0.55	22	10
23	10	1.32	1.24	0.80	0.62	23	10
0	10	1.23	1.14	0.87	0.65	0	10
1	10	1.38	1.26	0.87	0.64	1	10
2	10	1.38	1.32	0.92	0.71	2	10
3	10	1.35	1.40	0.76	0.56	3	10
4	10	1.30	1.39	0.73	0.56	4	10
5	10	1.16	1.32	0.67	0.52	5	10
6	10	1.01	1.16	0.66	0.72	6	10
7	10	0.64	0.62	0.94	1.04	7	10
8	10	0.45	0.40	1.23	1.31	8	10
9	10	0.29	0.32	1.54	1.79	9	10
10	10	0.36	0.28	1.72	1.96	10	10
11	10	0.88	0.74	1.72	2.31	11	10
12	10	0.74	0.62	1.71	2.05	12	10
13	10	0.64	0.55	1.48	1.72	13	10
14	10	0.70	0.63	1.23	1.52	14	10
15	10	0.86	0.85	1.11	1.26	15	10
16	10	1.09	1.07	0.82	0.84	16	10
17	10	0.67	0.87	0.54	0.47	17	10

When we examine the ratios presented in Table XX. we at once perceive that the occurrence and distribution of easterly and westerly disturbances in the different hours are regulated by different laws. The westerly disturbed observations are below the average both in number and value during the hours of the day, or from 4 A.M. to 6 P.M., and above the average during the hours of the night, or from 7 P.M. to 3 A.M.; whilst the easterly are above the average both in number and value from 6 A.M. to 6 P.M., and below the average generally during the hours of the night. The westerly have a minimum in number and value about 5 or 6 A.M., and a maximum about 11 P.M.; the easterly a minimum about 9 or 10 P.M., and a maximum about 7 or 8 A.M.

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

TABLE XXI.

Ratio of the Numbers and Values of the Westerly to the Easterly disturbed Observations.

Hours.		Numbers.	Values.	Hours.		Numbers.	Values.
H.	M.			H.	M.		
18	10	0·69	0·61	6	10	0·77	0·86
19	10	0·66	0·48	7	10	1·76	2·32
20	10	0·73	0·61	8	10	3·23	4·59
21	10	0·62	0·54	9	10	6·42	7·87
22	10	0·71	0·60	10	10	5·67	9·77
23	10	0·72	0·69	11	10	2·35	4·33
0	10	0·85	0·79	12	10	2·76	4·58
1	10	0·76	0·71	13	10	2·79	4·83
2	10	0·80	0·75	14	10	2·11	3·35
3	10	0·67	0·55	15	10	1·54	2·07
4	10	0·67	0·56	16	10	0·90	1·09
5	10	0·70	0·55	17	10	0·98	0·75

TABLE XXII.

Showing the average Values of an Easterly and of a Westerly disturbed Observation at the different Hours, and the Ratio at each Hour to the mean Value in the 24 Hours.

Hours.		Average Values.		Ratios to the Mean.		Hours.	
		Easterly Disturbances.	Westerly Disturbances.	Easterly Disturbances.	Westerly Disturbances.		
H.	M.					H.	M.
18	10	4·1	3·6	1·09	0·87	18	10
19	10	4·4	3·2	1·17	0·77	19	10
20	10	4·2	3·5	1·12	0·85	20	10
21	10	3·8	3·3	1·01	0·80	21	10
22	10	3·7	3·1	0·98	0·75	22	10
23	10	3·6	3·4	0·96	0·82	23	10
0	10	3·5	3·2	0·93	0·77	0	10
1	10	3·4	3·2	0·90	0·77	1	10
2	10	3·6	3·4	0·96	0·82	2	10
3	10	3·9	3·2	1·04	0·77	3	10
4	10	4·0	3·4	1·06	0·82	4	10
5	10	4·3	3·3	1·14	0·80	5	10
6	10	4·3	4·8	1·14	1·16	6	10
7	10	3·7	4·9	0·98	1·18	7	10
8	10	3·3	4·7	0·87	1·14	8	10
9	10	4·1	5·1	1·09	1·23	9	10
10	10	2·9	5·0	0·77	1·20	10	10
11	10	3·2	5·9	0·85	1·43	11	10
12	10	3·2	5·3	0·85	1·28	12	10
13	10	3·3	5·1	0·87	1·23	13	10
14	10	3·4	5·4	0·90	1·30	14	10
15	10	3·7	4·9	0·98	1·18	15	10
16	10	3·7	4·5	0·98	1·09	16	10
17	10	5·0	5·0	1·33	1·20	17	10
Mean values in the 24 hours		3·76	4·14	3·76=1·00	4·14=1·00	Mean values in the 24 hours.	

The average value of a westerly 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 5 P.M. inclusive than at *any* hour from 6 P.M. to 5 A.M. inclusive. The average value of an easterly disturbed observation has two periods at which it is higher, and two periods at which it is lower, than its mean value in the 24 hours. It is higher from 17^h to 21^h inclusive and from 3^h to 6^h inclusive, and lower from 22^h to 2^h inclusive and from 7^h to 16^h inclusive, with the exception of the hour of 9, when the ratio to the mean is higher than unity.

In the case of the westerly disturbed observations there is a coincidence between the ratios of the aggregate and of the average values, both of which are low during the hours of the day and high during the hours of the night; but in the case of the easterly disturbed observations there is no such apparent connexion between the ratios of the aggregate values at the different hours and the average values at the same hour.

If we now advert to Tables XVIII. and XIX. we shall perceive how greatly and systematically the relative proportion of easterly to westerly disturbance varies at the different hours. Whether we regard numbers or aggregate values the easterly disturbances preponderate during the day. Although the disproportion at this period of the 24 hours is not very considerable, there is an excess of easterly disturbances at every hour, without exception, from 5 A.M. to 6 P.M. inclusive; but at 7 P.M. the preponderance of westerly disturbances has commenced, and increases rapidly to a maximum, which takes place between 9 and 10 P.M., when the number of westerly disturbed observations is above 6 times greater, and their aggregate values between 8 and 9 times greater, than those of the easterly disturbances. It becomes obvious, on the comparison of the easterly and westerly aggregate values in Table XIX., that the class of disturbances under consideration must occasion a sensible *diurnal variation* in the direction of the magnet, and that the law of this variation must differ very greatly from that of the ordinary diurnal variation on which it is superimposed. For the purpose of showing the character of this law the following table has been formed, in which the excess of easterly or of westerly disturbance at the different hours produced by the 3,496 disturbances of largest amount occurring in the five years is given, and being in each case divided by 1,547, the number of days of observation in the 5 years, the quotients show the mean diurnal variation caused by the 3,469 disturbances, or the systematic effect produced by them on the direction of the magnet at the different hours.

TABLE XXIII.

Mean diurnal Variation occasioned by the 3,469 disturbed Observations.

Mean Astronomical Time at Hobarton.		Excess of Easterly or Westerly Values at the different Hours.	Mean diurnal Variation occasioned by the disturbed Observations.	Mean Astronomical Time at Hobarton.		Excess of Easterly or Westerly Values at the different Hours.	Mean diurnal Variation occasioned by the disturbed Observations.
H.	M.	Sc. Div.	Sc. Div. Arc Values.	H.	M.	Sc. Div.	Sc. Div. Arc Values.
18	10	140'4 E.	0'09=0'06 E.	6	10	56'0 E.	0'04=0'03 E.
19	10	278'5 E.	0'18=0'13 E.	7	10	287'1 W.	0'19=0'13 W.
20	10	214'4 E.	0'14=0'10 E.	8	10	500'2 W.	0'32=0'23 W.
21	10	227'0 E.	0'15=0'10 E.	9	10	762'0 W.	0'49=0'35 W.
22	10	176'8 E.	0'11=0'08 E.	10	10	858'9 W.	0'55=0'39 W.
23	10	136'6 E.	0'09=0'06 E.	11	10	866'2 W.	0'56=0'40 W.
0	10	83'6 E.	0'05=0'04 E.	12	10	780'2 W.	0'50=0'36 W.
1	10	129'6 E.	0'08=0'06 E.	13	10	645'5 W.	0'42=0'30 W.
2	10	116'7 E.	0'08=0'06 E.	14	10	518'5 W.	0'34=0'24 W.
3	10	220'9 E.	0'14=0'10 E.	15	10	315'5 W.	0'20=0'14 W.
4	10	211'9 E.	0'14=0'10 E.	16	10	32'4 W.	0'02=0'01 W.
5	10	210'2 E.	0'14=0'10 E.	17	10	77'6 E.	0'05=0'04 E.

The mean diurnal variation of the Declination at Hobarton, occasioned by the disturbances exceeding $2'48$ in amount, has a principal easterly maximum a little after 7 A.M., and a principal westerly maximum about 11 P.M., the range of the diurnal affection amounting to ($0'13$ E. + $0'40$ W.) $0'53$. From the westerly maximum about 11 P.M. the westerly deflection due to the disturbances progressively diminishes, passing through the point of no "disturbance variation" between 4^h and 5^h A.M., and reaching the easterly maximum a little after 7 A.M.; the easterly deflection then diminishes until noon; when it again increases, attaining a second or subordinate easterly maximum between 3^h and 5^h P.M. From 5 P.M. the easterly deflection again diminishes, passing through the point of no "disturbance variation" soon after 6 P.M. into westerly deflection, which rapidly increases to its maximum about 11 P.M.

Having thus obtained the mean deflection of the magnet at the different hours occasioned by the 3,469 observations between July 1843 and July 1848, in which the amount of disturbances equalled or exceeded $2'48$, we may employ these hourly deflections (with proper signs) as corrections to the mean values of the Declination at the different hours in the mean or typical year in Table I. (page iv.), which represents the whole body of the observations in the same five years, commencing July 2d, 1843, and ending July 1st, 1848. We shall thus have two series of mean Declination values at the different hours, one derived from all the observations (none whatsoever being excluded), *i. e.*, from 36,588 observations,—and the other from the portion remaining after the 3,469 disturbances of principal magnitude have been separated,—*i. e.* from $36,588 - 3,469 = 33,119$ observations. The values in the first series show the mean diurnal variation which is the result of the combination of the two classes of phenomena having distinct laws; whilst in the second series, the influence of one of the two classes having been partially though not wholly eliminated, we are enabled to judge what would be the character (though not the full amount) of the alteration which would be effected in the diurnal variation; if

we could obtain a result perfectly free from the influence which has been thus in part eliminated.

TABLE XXIV.

Hobarton Mean Time.		Declination Values.		Motion of the North End of the Magnet in the hourly Intervals.		Hobarton Mean Time.		Declination Values.		Motion of the North End of the Magnet in the hourly Intervals.	
		Retaining the disturbed Observations.	Omitting the disturbed Observations.	Retaining the disturbed Observations.	Omitting the disturbed Observations.			Retaining the disturbed Observations.	Omitting the disturbed Observations.	Retaining the disturbed Observations.	Omitting the disturbed Observations.
		9°+	9°+					9°+	9°+		
H.	M.					H.	M.				
18	10	56°04	55°98			6	10	58°42	58°39		
19	10	55°20	55°07	0·84 W.	0·91 W.	7	10	57°67	57°80	0·75 W.	0·59 W.
20	10	54°14	54°04	1·06 W.	1·03 W.	8	10	56°99	57°22	0·68 W.	0·58 W.
21	10	53°53	53°43	0·61 W.	0·61 W.	9	10	56°38	56°73	0·61 W.	0·49 W.
22	10	54°20	54°12	0·67 E.	0·69 E.	10	10	55°92	56°31	0·46 W.	0·42 W.
23	10	56°07	56°01	1·87 E.	1·89 E.	11	10	55°64	56°04	0·28 W.	0·27 W.
0	10	58°55	58°51	2·48 E.	2·50 E.	12	10	55°81	56°17	0·17 E.	0·13 E.
1	10	60°89	60°83	2·34 E.	2·32 E.	13	10	56°07	56°37	0·26 E.	0·20 E.
2	10	61°97	61°92	1·08 E.	1·08 E.	14	10	56°42	56°66	0·35 E.	0·29 E.
3	10	61°86	61°76	0·11 W.	0·15 W.	15	10	56°70	56°84	0·28 E.	0·18 E.
4	10	60°82	60°72	1·04 W.	1·04 W.	16	10	56°77	56°78	0·07 E.	0·06 W.
5	10	59°46	59°36	1·36 W.	1·36 W.	17	10	56°49	56°45	0·28 W.	0·33 W.
6	10	58°42	58°39	1·04 W.	0·97 W.	18	10	56°49	55°98	0·45 W.	0·47 W.

The principal feature of difference between the diurnal variation when the disturbed observations are retained, and when they are omitted, consists in the lessened deflection of the north end of the magnet towards the west from 5^h to 11^h when the disturbances are omitted, and the consequent diminution of the easterly retrogression from 11^h to 15^h. The effect of the disturbances is to render the north end of the magnet more westerly during all the hours from 7^h to 15^h, and principally so from 9^h to 12^h. The extreme range of the Declination, or the range between its extreme easterly and westerly elongations in the course of the twenty-four hours, is very slightly increased when the disturbances are omitted.

TABLE XXV.

Classification of the 3,469 largest Disturbances in 5 Years according to their Magnitudes.

	Numbers.			Values.			Ratios, Westerly to Easterly.		Average Value of the Disturbances.
	Easterly.	Westerly.	Total.	Easterly.	Westerly.	Total.	Numbers.	Values.	
1. Between 100 and 50 Sc. Div. or 1° 11' and 35' 5.	—	1	1	—	50' 5	50' 5	} 12' 33 to 1	15' 8 to 1	18' 9
2. Between 50 and 20 Sc. Div. or 35' 5 and 14' 2.	3	36	39	63' 6	952' 3	1015' 9			
3. Between 20 and 10 Sc. Div. or 14' 2 and 7' 1.	82	156	238	1059' 4	2056' 5	3115' 9	1' 90 to 1	1' 94 to 1	9' 3
4. Between 10 and 7 Sc. Div. or 7' 1 and 5' 0.	153	248	401	1234' 2	2020' 8	3255' 0	1' 62 to 1	1' 64 to 1	5' 8
5. Between 7 and 5 Sc. Div. or 5' 0 and 3' 6.	400	438	838	2290' 9	2534' 1	4825' 0	1' 10 to 1	1' 11 to 1	4' 1
6. Between 5 and 3' 4 Sc. Div. or 3' 6 and 2' 4.	936	1016	1952	3768' 4	4088' 8	7857' 2	1' 09 to 1	1' 09 to 1	2' 9
	1574	1895	3469	8416' 5	11703' 0	20119' 5	1' 20 to 1	1' 39 to 1	4' 1

The great disproportion in the westerly and easterly disturbances, both in numbers and values, takes place in the disturbances of greatest magnitude, *i.e.* in those which are between the extremes of 35' 8 and 14' 2, having an average value of 18' 9. The westerly excess of these in five years, $(1002' 8 - 63' 6 =) 939' 2$ scale divisions, divided by 1,547, the number of days of observation, gives 0' 61 scale divisions, or 0' 43 as the *mean daily* deflection in the five years of the north end of the magnet towards the west, occasioned by disturbances of this class and magnitude. Westerly disturbances also preponderate, both in numbers and values, in all the lower degrees of magnitude. The *mean daily* deflection towards the west due to the 3,469 disturbed observations is $(11,703' 0 - 8,416' 5 =) 3,286' 5$ scale divisions divided by 1,547 = 2' 12 scale divisions, or 1' 51 minutes of declination.

This result would be somewhat increased if the 3,469 disturbed observations were omitted in taking the mean or normal positions of the magnet in each month from which the amount of disturbance is reckoned.

As by the general adoption of Göttingen time the observations at the different magnetic observatories (whether few or many in the 24 hours) were simultaneous in respect to absolute time with those of the Hobarton Observatory, during the five years of which the observations are under discussion, it has appeared desirable to subjoin a detailed statement of the 3,469 disturbances, 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. Hobarton time is 9h. 10m. in advance of Göttingen time.

MAGNETIC DECLINATION.

TABLE XXVI.

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 3,469 Disturbances of the Declinometer of principal Amount in the series of Hourly Observations at Hobarton, commencing in July 1843 and ending in July 1848. The sign + signifies a Deflection of the North end of the Magnet towards the East, and - towards the West. One Sc. Div. = 0'71 of Declination.

Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.
1843. JULY.		1843. AUG.		1843. OCT.		1843. NOV.		1843. DEC.		1844. JAN.		1844. FEB.	
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.
15 1	- 3'6	24 4	+ 4'1	13 4	- 4'1	22 17	+ 3'8	24 19	+ 3'4	18 16	+ 4'5	2 15	+ 3'9
17 2	- 4'7	24 22	- 3'6	15 11	+ 4'4	23 15	+ 4'2	25 1	- 4'5	18 20	- 3'7	4 4	+ 3'6
24 9	- 6'6	25 2	- 4'5	15 12	+ 4'8	23 16	+ 4'6	27 6	- 3'4	21 9	- 4'8	4 12	- 3'4
24 23	- 7'7	31 19	+ 3'4	15 20	- 4'0	23 17	+ 3'4	27 7	- 5'8	21 10	- 6'0	4 15	- 9'3
25 0	- 8'0	31 20	+ 4'0	16 0	- 6'9	24 1	- 11'7	27 15	- 3'7	21 11	- 4'6	5 0	- 7'0
25 1	- 13'2	31 22	+ 3'4	16 9	+ 4'7	28 7	- 3'6	27 16	- 3'8	21 12	- 3'7	5 1	- 12'7
25 2	- 10'5			16 10	+ 5'7	28 8	- 3'8	28 2	- 6'3	22 3	- 5'1	5 4	+ 3'8
25 3	- 11'6			16 11	+ 4'1	29 3	- 5'1	28 3	- 7'8	22 8	- 3'7	5 8	+ 3'6
25 4	- 15'2	SEPT.		17 12	+ 3'4	29 4	- 4'5	29 10	+ 3'6	22 15	+ 5'9	5 9	+ 3'9
25 5	- 18'2	1 3	- 7'4	17 20	- 5'4					22 16	+ 8'9	5 12	+ 3'4
25 6	- 13'0	1 4	- 5'3	19 22	- 4'7	DEC.		1844.		22 17	+ 7'3	5 14	+ 3'7
25 7	- 7'9	1 6	- 6'7	23 16	+ 4'3	1 23	- 3'8	JAN.		22 18	+ 5'9	5 15	+ 3'8
25 9	+ 7'9	1 19	+ 3'9	23 17	+ 3'9	2 0	- 3'9	1 17	- 3'6	23 11	- 4'3	6 0	- 3'8
25 10	+ 7'8	1 21	+ 5'1	24 15	+ 4'3	2 2	- 4'0	1 18	- 4'4	23 12	- 6'3	6 16	- 3'6
25 11	+ 10'7	1 22	- 10'6	24 16	+ 4'4	3 14	+ 4'1	2 1	- 4'4	23 13	- 5'7	7 3	- 4'5
25 13	+ 5'4	2 2	- 4'0	26 0	- 6'1	3 15	+ 5'2	2 2	- 6'4	23 14	- 6'3	7 6	+ 3'4
25 14	+ 6'0	3 9	+ 4'5	26 5	- 5'8	3 16	+ 5'6	2 8	- 4'5	23 15	- 5'5	7 10	+ 6'0
25 15	+ 4'8	4 10	+ 5'1	26 6	- 3'7	4 10	- 4'7	4 4	- 3'6	24 14	- 3'6	7 17	- 4'0
26 6	+ 3'8	4 19	+ 4'4	27 1	- 3'8	4 11	- 4'2	4 9	- 3'5	24 17	+ 5'5	7 18	- 3'4
		4 20	+ 4'3	30 2	- 3'5	5 10	- 3'5	4 17	+ 4'1	24 18	- 3'8	8 3	- 3'9
		18 22	- 4'3	30 3	- 4'3	5 14	+ 5'3	4 23	- 6'4	24 19	+ 6'2	8 4	- 5'2
AUG.		18 23	- 10'7	31 1	- 3'7	5 15	+ 6'0	5 0	- 3'7	24 20	+ 7'1	8 5	- 10'0
3 23	+ 4'1	19 1	- 4'0	31 2	- 3'6	5 16	+ 5'0	5 1	- 4'3	24 21	+ 5'2	21 2	- 3'7
4 0	- 8'4	19 7	+ 4'7			8 4	- 3'9	5 23	- 7'3	25 4	- 3'6	28 8	- 3'9
4 1	- 4'0	19 21	- 6'7	NOV.		8 5	- 7'9	6 0	- 4'2	25 15	- 3'8	28 16	+ 5'5
4 2	- 5'1	20 23	- 6'8	2 12	+ 6'3	8 9	- 4'8	7 4	+ 4'5	25 16	- 3'5	28 17	+ 7'0
4 3	- 4'1	21 5	+ 3'9	2 13	+ 7'0	8 18	+ 7'7	7 15	+ 4'2	29 16	- 4'3	28 18	+ 8'1
4 5	- 4'5	21 6	+ 6'0	2 14	+ 3'7	8 19	+ 11'0	8 6	+ 5'8	29 17	- 3'5	28 19	+ 5'2
4 7	- 4'0	21 8	+ 6'0	2 15	+ 3'7	8 20	+ 9'7	8 7	+ 5'3	30 13	+ 3'9	29 0	- 4'7
4 11	+ 4'4	22 3	- 5'7	8 3	- 3'5	8 21	+ 3'4	9 8	+ 3'8	30 14	+ 3'8		
7 23	- 6'7	22 9	+ 3'4	8 5	- 3'8	10 5	+ 13'7	10 9	+ 5'5	30 18	+ 3'6	MAR.	
8 0	- 4'1	23 1	- 4'2	9 22	- 3'5	11 8	+ 5'2	11 2	- 3'5	31 16	+ 3'6	1 12	- 4'7
8 6	+ 4'7	23 2	- 4'7	12 15	- 3'7	11 15	- 3'6	12 10	+ 4'0	31 17	+ 6'3	1 13	- 4'0
8 7	+ 4'9	27 18	+ 5'1	13 6	- 4'0	12 2	- 8'5	12 14	- 4'1	31 18	+ 3'8	1 14	- 4'5
8 23	- 5'4	28 0	- 5'5	13 8	+ 3'9	12 7	+ 3'4	12 15	- 4'2			2 1	- 4'4
9 13	+ 3'7			13 9	+ 6'6	12 8	+ 3'4	12 16	- 3'9	FEB.		2 2	- 10'0
11 3	+ 4'5	OCT.		14 11	+ 3'5	13 7	+ 5'8	17 16	- 3'9	1 1	- 7'6	4 3	+ 6'6
14 4	- 4'4	2 0	+ 3'5	14 14	- 3'5	13 8	+ 4'6	17 17	- 4'1	1 2	- 8'7	4 4	+ 4'1
21 21	+ 5'4	2 23	- 10'0	14 15	- 4'4	14 12	+ 3'6	17 18	- 3'7	1 13	+ 3'9	4 8	+ 8'8
21 22	+ 8'3	3 0	- 9'4	14 16	- 4'8	14 13	+ 3'5	17 19	- 3'6	1 14	+ 5'0	4 18	- 3'7
21 23	+ 7'6	4 3	+ 4'5	15 18	- 3'8	15 17	- 3'7	18 4	- 3'6	1 15	+ 4'6	5 0	- 6'2
22 0	+ 3'4	4 23	- 23'7	19 11	- 3'8	15 18	- 4'0	18 12	+ 3'5	2 9	- 4'3	5 2	- 4'7
22 2	- 4'7	5 0	- 3'5	20 17	+ 3'5	15 19	- 4'5	18 13	+ 4'1	2 10	- 4'1	5 3	+ 3'8
22 13	+ 3'8	9 22	+ 3'5	20 18	+ 3'7	21 14	- 4'0	18 14	+ 5'3	2 11	- 5'2	5 8	+ 6'1
22 14	+ 5'3	11 13	- 3'4	22 16	+ 3'8	24 10	+ 3'5	18 15	+ 6'7	2 12	+ 3'8	5 10	+ 5'3
23 11	+ 3'5	13 3	- 4'5										

TABLE XXVI.—continued.

Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.
1844.		1844.		1844.		1844.		1844.		1844.		1844.	
MAR.		APRIL.		APRIL.		JULY.		SEPT.		OCT.		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.
5 11	+ 7.9	2 6	+ 7.0	26 5	+ 7.5	24 22	+ 7.6	4 5	- 3.4	1 2	-15.9	25 21	+ 3.5
5 12	+ 5.3	2 21	- 4.7	26 19	- 6.8	24 23	+ 4.6	4 11	+ 3.9	1 3	-15.2	25 23	-12.2
6 0	-10.5	2 22	-12.6	26 21	- 5.8	25 1	+ 9.4	4 13	+ 3.9	1 4	-12.8	29 11	- 3.7
6 1	- 6.8	2 23	- 8.8	26 23	- 4.3	25 2	- 9.1	8 3	- 6.5	1 5	-11.5	30 0	- 4.3
6 3	-25.4	3 4	- 4.3	29 2	- 5.4	25 3	- 3.4	8 19	- 4.2	1 6	-13.4	30 9	- 3.6
6 4	- 9.0	3 6	- 3.7	29 7	+ 4.9	25 4	- 3.6	9 7	+ 4.7	1 7	+ 4.4	30 10	- 3.4
6 5	+ 3.4	5 0	+ 4.3	30 21	- 5.4	25 5	+ 4.1	13 23	+ 5.1	1 8	+ 7.9		
6 6	- 4.1	5 14	+ 3.7	30 22	- 3.4	25 6	+ 3.5	17 0	- 5.5	1 9	+ 8.6	NOV.	
7 6	+ 4.1	5 17	+ 4.4			25 8	+ 8.9	19 0	- 3.9	1 10	+ 7.7	1 22	- 5.7
7 7	+ 3.8	6 0	+ 3.4	MAY.		27 0	- 5.2	19 1	- 4.1	1 11	+10.0	4 5	- 3.5
7 9	+ 5.1	9 22	+ 4.7	1 11	+ 3.4	28 3	- 5.2	19 17	+ 3.6	1 12	+ 6.0	4 9	+ 4.4
7 21	-10.3	9 23	+ 3.9	1 23	- 3.7	30 19	+ 4.2	19 18	+ 7.3	1 13	+ 5.0	6 15	- 3.9
7 23	+ 3.5	10 0	+ 3.7	2 0	- 4.9	31 3	- 6.1	19 19	+ 7.5	1 23	+ 4.2	8 6	+ 3.6
8 7	+ 4.0	13 1	+ 3.6	3 4	- 6.7			19 20	+ 5.3	2 0	+ 3.7	8 15	+ 3.4
10 22	- 4.4	15 1	- 6.8	7 19	+ 3.8	AUG.		20 5	- 4.8	2 7	+ 4.2	10 13	- 3.5
12 2	- 4.5	15 2	- 4.1	7 20	+ 3.8	1 1	- 4.0	20 20	- 5.2	3 2	- 8.5	10 14	- 3.7
14 11	- 3.8	16 15	+ 6.7	8 6	+ 9.2	1 2	- 3.5	22 4	+ 6.3	3 16	- 3.9	11 0	- 8.2
18 23	- 9.5	16 16	+ 5.5	8 11	+ 3.5	1 6	+ 7.8	24 4	- 3.6	3 17	- 3.4	11 2	- 3.5
19 11	- 4.3	16 17	+ 5.0	8 16	+ 4.9	1 8	+15.6	25 2	- 6.2	4 11	+ 3.6	11 6	- 5.7
19 12	- 4.1	16 18	+10.5	9 2	- 4.6	1 19	+ 4.0	25 11	- 4.7	4 13	+ 3.7	15 3	+ 3.7
28 16	- 3.4	16 19	+ 9.2	9 4	- 3.9	1 22	- 8.1	25 12	- 0.5	4 18	- 5.4	15 13	- 4.2
28 22	- 9.3	16 20	+10.4	10 5	- 3.4	2 0	- 3.4	25 16	+ 5.3	6 11	+ 4.7	15 14	- 4.3
28 23	- 3.6	16 21	+10.1	19 3	- 4.2	2 21	- 4.2	25 17	+ 5.8	6 16	- 3.5	15 23	- 5.4
29 10	+ 5.4	16 22	- 5.8	22 1	-14.4	3 0	- 7.5	25 18	+ 4.1	6 17	- 3.6	16 0	- 3.7
29 11	-15.4	16 23	-10.7	22 2	- 4.2	9 0	+ 4.4	25 19	+ 4.5	7 13	+ 3.9	16 1	- 3.8
29 12	+ 9.8	17 0	-20.6	22 13	+ 8.2	9 2	- 7.3	25 20	- 4.9	7 14	+ 4.2	17 17	- 3.6
29 13	+ 4.4	17 1	-23.2	22 14	+ 7.7	9 3	-11.3	25 22	- 4.9	7 20	- 6.6	17 19	- 4.2
29 14	+ 4.1	17 2	-27.0	22 20	- 5.2	9 4	- 6.2	26 0	- 5.0	9 2	+ 3.8	17 23	- 4.9
29 16	+ 7.2	17 3	-21.8	JUNE.		9 12	+ 3.7	26 2	- 4.7	14 21	- 3.9	18 0	- 4.6
29 18	+ 7.8	17 4	-13.2	2 4	- 4.8	9 21	- 5.9	26 3	- 6.7	15 2	+ 6.7	18 10	+ 6.5
29 20	+ 6.4	17 5	+ 7.1	2 5	- 5.4	12 21	- 3.5	26 4	- 3.9	20 4	+ 6.4	18 11	+ 3.6
29 21	- 4.4	17 6	+ 7.7	9 23	- 4.6	22 3	-11.4	26 5	- 3.9	20 15	+ 5.5	19 0	- 4.9
29 22	-11.2	17 7	+21.0	10 0	- 6.1	22 4	-11.3	26 8	+11.3	20 16	+ 8.3	19 3	- 4.0
29 23	-11.3	17 8	+17.9	11 10	+ 3.5	22 5	- 8.7	26 19	+ 4.0	20 17	+10.3	20 0	- 3.8
30 0	-11.5	17 9	+11.7	17 4	- 3.8	22 6	- 8.1	26 23	-10.8	20 18	+10.7	21 3	+ 4.2
30 1	-14.4	17 10	+19.1	17 20	- 5.2	22 7	- 3.8	27 6	+ 4.8	20 19	+ 3.5	22 0	- 4.5
30 2	- 4.8	17 11	+12.7	18 1	- 3.4	22 15	+ 3.6	27 12	- 3.7	20 20	+ 7.1	22 1	- 4.5
31 3	+ 4.7	17 12	+ 8.6	18 6	+ 3.4	22 21	+ 3.8	28 1	- 3.9	20 23	- 9.8	22 7	- 4.3
31 4	+ 5.1	17 13	+ 6.2	21 3	- 3.7	22 23	- 3.4	29 7	+ 6.3	21 0	- 7.1	22 10	- 8.6
31 7	+ 5.9	17 16	- 4.1	JULY.		23 1	-10.9	29 10	+ 5.0	21 1	- 4.9	22 11	- 4.9
31 9	+ 4.5	17 18	- 3.5	7 22	+ 7.5	23 5	- 6.1	29 11	+ 3.9	21 2	- 8.4	22 12	+ 4.0
31 10	+ 6.0	18 0	+ 3.5	7 23	- 4.6	23 15	+ 3.4	30 6	- 5.4	21 3	+ 4.5	22 13	+ 6.5
31 11	+ 4.9	18 1	+ 3.8	8 3	- 4.7	29 11	- 3.7	30 7	- 3.8	22 20	- 4.8	22 14	+ 3.8
31 12	+ 4.1	18 2	+ 3.4	8 4	- 6.8	29 18	+ 5.3	30 16	+ 4.5	23 4	- 3.5	22 18	- 3.6
		18 11	- 4.3	8 5	- 9.9	29 19	+ 7.2	30 17	+ 7.2	23 8	- 4.2	22 21	- 4.8
		24 0	+ 3.5	8 6	- 3.4	29 20	+ 4.7	30 18	+ 8.0	23 9	- 4.4	22 22	- 3.6
APRIL.		24 1	+ 3.4	12 19	+ 3.7	29 21	- 6.5	30 19	-18.8	23 10	- 5.0	24 3	- 3.7
1 0	- 3.5	25 2	- 9.8	12 22	+ 3.6	30 1	- 9.3	30 21	- 6.0	23 11	- 4.5	27 19	- 4.0
1 3	+ 4.9	25 3	- 6.5	12 23	+ 3.8	30 2	- 7.3	30 23	- 7.1	23 12	- 4.4	27 20	- 5.6
1 7	- 4.2	25 6	+ 3.4	17 22	- 5.3	30 22	- 7.2			24 22	- 3.9	27 21	+ 6.0
1 20	- 3.4	25 12	+ 6.1	24 19	+ 3.9	SEPT.		OCT.		25 8	+ 3.4	28 1	- 4.8
1 22	- 9.7	26 0	-17.1	24 20	+ 4.0	1 0	- 4.5	1 0	-11.4	25 10	- 4.2	28 2	- 5.4
1 23	- 4.2	26 1	-12.5	24 21	+ 5.8	1 4	- 3.6	1 1	-14.1	25 11	- 4.5	28 3	- 7.6

TABLE XXVI.—*continued.*

Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.
1845.		1845.		1845.		1845.		1845.		1846.		1846.	
AUG.		SEPT.		OCT.		NOV.		DEC.		JAN.		JAN.	
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.
3 23	- 5.2	12 4	+ 7.9	20 4	- 5.8	25 15	+ 5.1	15 0	-10.2	8 3	- 4.4	28 12	- 4.5
4 0	- 8.2	17 10	+ 3.6	20 19	+ 7.1	25 16	+ 3.7	15 1	- 4.7	8 5	+ 3.4	28 13	- 3.7
4 5	- 4.1	17 20	+ 5.0	22 20	+ 6.2	26 15	+ 4.0	15 3	- 6.1	11 10	+ 3.4	28 16	+ 5.1
5 1	+ 4.8	17 21	+ 6.4	21 0	- 8.4	26 16	+ 4.5	15 7	+ 7.5	11 19	+ 4.0	28 17	+ 7.8
7 21	- 4.5	18 16	+ 3.4	21 1	- 5.8	26 17	+ 3.6	16 14	- 3.5	11 20	+ 3.7	28 18	+ 4.9
17 3	- 6.8	19 3	+ 3.6	21 2	+ 5.7	27 18	+ 3.6	16 15	- 3.5	11 21	+ 5.0	29 14	- 3.7
17 16	+ 4.1	24 10	- 3.4	21 10	+ 6.7	27 19	+ 3.8	17 14	- 3.5	12 1	- 5.5	29 15	- 5.6
17 19	+ 4.1	24 17	+ 4.2	21 14	+ 4.0	27 23	- 7.2	17 15	- 4.1	12 2	- 7.9	30 18	+ 4.5
17 20	+ 5.7	24 18	+ 7.0	21 15	+ 5.1	28 0	-12.6	18 3	- 6.1	12 3	- 6.9	30 20	+ 3.8
17 21	+ 3.8	24 19	+ 8.4	21 16	+ 3.5	28 1	- 4.3	19 14	- 4.4	13 14	+ 7.3		
18 0	- 6.6	24 20	-12.4	22 6	+ 5.0	28 2	- 5.1	22 19	- 4.0	13 15	+ 5.4	FEB.	
18 1	- 6.3	24 21	- 4.6	24 6	+ 3.5	30 12	- 3.8	22 20	- 3.4	13 16	+ 5.3	1 13	- 4.3
22 21	+ 3.9	25 1	-16.5	24 7	- 3.4			28 3	+ 4.7	13 17	+ 4.9	1 14	- 5.1
25 16	- 3.9	25 2	- 8.7	29 12	- 3.9	DEC.		28 4	+ 3.7	14 0	- 8.3	1 15	- 5.2
26 4	- 3.9	25 3	-10.3	29 13	- 4.4	1 17	+ 3.6	28 13	+ 3.9	14 1	- 8.1	1 16	- 3.7
26 5	-10.6	25 4	- 4.7	29 15	- 4.3	1 18	+ 4.5	28 14	+ 5.4	14 16	+ 3.7	2 17	- 3.6
28 20	+ 3.9	25 5	- 5.9	30 2	- 3.8	2 13	- 4.0	28 15	+ 3.8	15 2	- 3.5	3 15	- 4.3
28 21	+ 4.5	25 6	- 3.4	31 19	+ 3.7	2 14	- 6.6	29 16	+ 3.6	16 9	+ 3.6	3 16	- 3.7
28 22	+ 6.4	25 13	+ 3.7	31 21	+ 4.2	2 15	- 5.8	29 17	+ 3.7	16 15	+ 5.3	4 15	- 3.9
29 2	- 6.9	26 4	- 3.4	31 23	+ 4.8	2 16	- 4.2	29 18	+ 5.8	16 16	+ 5.0	4 16	- 3.6
29 10	+19.9	28 3	- 4.3			2 19	+ 5.6	29 19	+ 5.8	16 17	+ 5.6	4 17	- 4.2
29 11	+ 3.5	28 6	+ 3.4	NOV.		2 20	+ 6.9	29 20	+ 4.0	16 18	+ 4.5	4 18	- 3.8
29 12	+ 3.9	29 15	+ 4.3	2 4	- 3.7	2 21	+ 8.1	29 23	- 3.9	16 19	+ 4.3	5 13	+ 4.4
29 13	+ 4.4	29 16	+ 4.6	2 14	- 3.7	2 22	+ 5.3	30 1	- 8.7	16 20	+ 3.4	6 12	- 4.9
29 16	+ 3.5	30 16	+ 3.4	2 15	- 3.8	3 1	- 9.9	30 3	- 6.3	18 9	+ 4.3	8 23	- 4.3
29 18	+ 5.3	30 17	+ 3.4	2 16	- 3.6	3 4	-27.3	30 4	- 4.0	19 13	+ 4.2	9 0	- 5.9
29 19	+ 4.5			2 20	- 4.7	3 5	-33.4	30 12	- 3.4	19 14	+ 6.4	9 1	- 3.5
29 21	+ 4.2	OCT.		5 4	-10.4	3 6	-28.8	30 13	- 4.2	19 15	+ 5.0	9 2	- 9.5
30 1	- 4.6	1 0	- 3.4	5 5	-11.5	3 10	+ 4.7	31 12	- 3.6	21 10	- 4.1	9 3	-17.7
		3 2	- 4.1	5 6	- 4.7	3 11	+ 4.2	31 13	- 3.7	22 12	+ 4.4	9 4	- 7.9
SEPT.		3 4	- 4.2	5 7	- 5.9	3 12	+13.0	31 14	- 4.1	22 13	+ 6.4	9 12	+ 4.6
1 18	+ 3.7	7 6	+ 4.0	7 2	- 3.6	3 15	- 6.1			22 14	+ 4.0	9 13	+ 5.9
2 0	- 5.6	9 11	+ 4.3	7 6	- 4.6	3 16	- 5.0	1846.		22 16	- 3.7	9 14	+ 3.5
2 2	- 7.5	9 12	+ 5.2	7 7	- 4.1	3 18	- 5.3	JAN.		22 17	- 6.0	9 17	- 3.7
2 4	- 7.4	9 13	+ 5.5	7 8	- 3.4	3 19	- 4.1	1 14	- 3.7	22 18	- 4.6	9 18	- 5.0
3 0	- 4.4	9 23	- 8.3	9 13	+ 4.1	5 3	- 4.6	1 15	- 4.6	22 19	- 3.6	9 19	- 5.6
3 3	- 5.4	10 0	- 6.2	9 14	+ 4.5	5 4	- 5.0	2 10	+ 5.2	23 10	- 4.7	9 20	- 3.9
3 4	- 6.9	10 2	- 7.6	10 9	- 3.5	5 5	- 6.6	2 11	+ 5.0	23 11	-14.9	10 9	- 3.4
3 5	- 8.3	11 0	- 3.4	10 10	- 3.9	7 13	+ 3.8	2 14	- 3.5	23 12	+ 5.3	10 10	- 4.2
3 16	- 3.9	11 1	- 3.7	10 11	- 4.8	7 14	+ 4.1	2 15	- 3.7	23 15	- 5.4	10 14	+ 4.5
3 17	- 4.8	13 18	- 3.6	16 10	+ 6.0	9 14	+ 3.4	4 11	+ 3.9	23 16	- 6.6	10 15	+ 4.7
3 18	- 6.0	15 5	- 5.7	16 23	- 4.1	10 14	+ 5.1	4 16	- 3.6	23 17	- 7.8	10 16	+ 4.1
3 22	- 4.9	15 6	- 3.4	17 0	- 5.3	10 15	+ 8.0	4 17	- 5.2	23 20	+ 4.0	10 17	+ 3.4
5 17	- 3.4	16 20	+ 3.7	17 1	- 3.6	10 16	+ 7.0	4 18	- 4.9	23 23	- 3.7	11 15	+ 3.4
7 4	-10.0	16 21	+ 4.0	17 3	- 3.6	10 17	+ 5.1	4 19	- 3.9	24 0	- 3.5	12 0	- 3.6
7 5	- 9.6	17 3	- 7.2	18 4	- 5.0	11 10	- 3.9	4 20	- 4.0	25 4	+ 3.6	14 2	- 3.8
7 6	- 4.6	17 4	- 7.1	18 6	+ 4.9	11 11	- 3.9	7 4	+ 3.5	27 13	- 3.4	16 0	- 6.8
7 21	- 4.6	17 6	- 3.4	20 15	- 3.4	11 23	- 4.5	7 5	+ 3.7	27 14	- 5.4	16 2	- 4.0
8 1	- 5.3	17 12	+ 4.0	21 14	- 5.5	12 5	+ 4.8	7 6	+ 8.2	27 15	- 5.6	16 7	+ 5.1
8 3	- 3.5	19 11	- 3.8	21 15	- 5.3	12 14	+ 4.1	7 7	+ 4.7	27 16	- 4.8	16 10	+ 4.9
10 4	+ 4.0	19 12	- 4.9	21 16	- 4.5	13 0	- 5.9	7 12	- 4.7	28 3	- 4.9	16 12	+ 5.2
11 23	- 3.4	19 13	- 4.1	25 13	+ 4.2	13 1	- 9.9	8 1	- 6.8	28 4	- 5.3	16 17	- 3.4
12 0	- 3.6	20 3	-11.9	25 14	+ 5.1	13 2	- 6.6	8 2	- 7.0	28 5	- 4.2	17 10	+ 4.6

MAGNETIC DECLINATION.

TABLE XXVI.—continued.

Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.
1846. FEB.		1846. MAR.		1846. APRIL.		1846. MAY.		1846. JUNE.		1846. JULY.		1846. AUG.	
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.
17 11	+ 3.9	17 20	- 5.5	13 10	- 4.1	12 18	- 8.7	21 21	+ 4.1	23 3	-10.9	12 6	- 9.1
17 14	- 5.5	17 23	- 7.4	14 1	- 6.2	13 9	+ 4.0	21 23	+ 3.5	23 4	- 6.2	12 20	+ 3.7
17 15	- 4.0	18 0	- 7.8	14 2	- 4.3	15 4	+ 3.5	22 4	- 4.8	24 8	- 5.0	12 21	+ 6.1
18 6	+ 3.9	18 1	- 3.5	15 1	- 3.9	15 13	- 3.6	23 10	- 5.2	27 7	+ 4.9	12 23	+ 4.9
18 7	+ 3.7	19 3	+ 4.0	15 11	+ 3.8	15 18	- 3.5	24 6	- 4.7	27 21	- 6.5	13 1	- 5.5
18 10	+ 3.6	19 17	- 3.6	15 22	- 3.9	17 12	- 3.5	28 22	- 4.3	29 2	- 6.1	13 3	- 5.9
18 11	+ 3.7	23 16	- 3.7	16 0	- 6.3	17 13	- 5.8	29 9	+ 6.9	29 3	- 8.4	13 8	- 4.5
19 12	- 3.4	26 0	- 6.4	16 1	- 5.1	18 17	+ 3.4			29 4	-12.8	13 19	+ 4.0
25 9	+ 3.4	29 3	+ 3.8	16 4	-12.3	18 18	+ 6.3	JULY.		29 5	-11.3	13 20	+ 5.1
25 10	+ 4.2	29 14	+ 3.4	16 6	+ 3.4	18 20	+ 4.1	1 21	+ 3.4	29 6	- 7.0	13 21	+ 6.7
25 12	+ 4.4	29 15	+ 4.2	16 8	+12.1	19 18	+ 4.8	1 23	- 6.8	29 7	- 6.2	14 3	- 3.4
25 14	+ 6.6	29 16	+ 3.7	16 10	+ 4.0	19 19	+ 3.6	2 2	- 4.6	30 0	-11.6	14 4	- 4.8
25 15	+ 5.2	30 4	+ 4.5	16 11	+ 7.8	19 21	+ 5.1	2 20	+ 5.7	30 10	+10.6	14 5	- 9.6
25 16	+ 3.5	30 14	- 3.8	16 15	+ 4.1	21 2	+ 3.4	2 21	+ 4.5	30 12	+ 5.3	14 9	+ 4.6
26 4	- 4.6	30 15	- 3.4	16 16	+ 5.0	21 3	+ 5.1	2 23	+ 5.3	30 13	+ 6.4	14 16	+ 4.5
26 5	- 4.8			16 20	- 5.0	24 19	- 3.5	3 0	-11.0	30 14	+ 3.8	14 18	+ 3.9
26 6	- 5.2	APRIL.		16 21	- 6.0	25 0	- 3.4	3 21	+ 4.0	30 15	+ 4.2	14 20	- 3.7
26 7	- 5.4	1 18	+ 4.2	17 6	+ 3.9	25 4	- 5.5	4 1	-17.3	30 19	- 3.8	14 21	+ 4.2
26 10	- 3.7	2 21	+ 4.8	17 7	+ 4.8	25 7	+ 4.4	4 2	- 4.5	31 1	+ 5.7	14 23	- 3.5
26 14	+ 4.3	2 22	+ 6.7	19 6	+ 5.9	31 4	- 4.5	5 23	- 3.5	31 11	+ 4.5	15 0	- 5.8
26 15	+ 6.4	2 23	+ 3.7	20 15	- 4.3	31 5	- 9.7	6 0	-14.9	31 22	- 8.8	15 1	+ 4.0
26 16	+ 4.9	3 17	+ 5.4	20 16	- 3.5	31 12	+ 3.5	6 6	+ 5.3			16 11	+ 3.5
26 17	+ 3.8	6 1	- 6.0	21 19	+ 3.6	31 13	+ 4.5	6 7	+ 3.9	AUG.		16 18	+ 5.2
27 13	- 4.1	6 2	- 5.3	21 20	+ 3.5			6 19	- 5.0	1 2	- 4.6	16 19	+ 8.2
27 14	- 3.7	6 3	-12.3	22 6	- 4.1	JUNE.		7 2	- 4.1	1 2	- 4.6	16 23	+ 4.3
27 17	+ 3.9	6 4	- 4.1	22 7	- 3.6	1 1	- 3.6	9 19	- 3.4	2 5	+ 5.4	17 11	- 4.2
27 18	+ 3.7	6 5	- 5.4	22 9	- 3.8	1 18	- 3.8	10 22	+ 4.4	2 19	- 5.0	17 23	- 4.1
		6 6	- 6.3	24 17	+ 4.2	1 19	- 3.4	11 0	+ 4.8	2 21	- 3.5	19 6	- 3.9
MAR.		6 7	- 5.6	24 20	- 3.4	1 20	- 3.9	11 2	- 8.8	2 22	- 4.2	19 11	- 3.6
2 14	+ 3.4	6 10	+ 8.7	26 11	+ 3.5	1 22	- 6.3	12 5	- 3.7	3 7	+ 4.4	20 3	- 3.4
13 2	- 7.2	6 14	+ 5.0	26 12	+ 4.1	1 23	- 8.6	12 15	+ 3.7	5 23	+ 4.5	21 1	- 4.8
13 3	-18.0	6 15	+ 3.4	27 3	- 4.6	2 8	+10.9	12 21	-10.0	6 11	- 3.6	21 19	+ 3.7
13 4	- 8.9	6 21	- 3.7	27 20	- 4.7	2 10	+ 4.1	13 5	- 5.7	6 15	+ 3.6	24 5	+ 3.9
13 8	- 7.0	6 22	- 5.5			2 11	+ 5.1	13 6	- 5.3	6 16	+ 7.1	24 12	+ 4.2
13 11	+ 5.6	7 7	+ 3.7	MAY.		2 12	+ 3.6	13 7	- 7.0	6 20	+ 6.8	24 23	- 5.9
13 12	+ 4.6	7 10	+ 4.5	3 18	+ 4.8	8 21	+ 3.8	13 21	- 3.6	6 21	-18.2	25 7	+ 3.6
13 15	+ 5.3	7 19	- 4.6	4 12	+ 3.7	9 5	- 4.6	13 22	-11.3	6 22	+ 4.3	26 20	- 4.2
13 16	+ 4.6	7 21	- 4.5	5 1	- 4.4	9 6	+ 7.0	14 18	+ 3.6	6 23	- 3.6	27 9	+ 3.8
13 22	- 6.9	10 8	- 5.7	7 7	- 4.1	9 13	+ 3.4	14 20	+ 3.4	7 1	- 7.9	27 10	+ 5.3
14 2	-12.6	10 9	- 4.0	8 6	- 4.2	9 14	+ 4.2	15 4	+ 6.3	7 3	- 4.6	27 11	+ 4.2
15 5	+ 4.6	10 10	- 3.4	10 14	- 3.6	12 15	- 3.5	16 0	- 4.8	7 9	+10.1	27 16	- 3.4
15 7	+ 3.4	10 15	+ 7.0	11 13	+ 6.2	12 16	- 3.6	16 1	- 6.1	7 17	- 4.3	27 21	+ 5.3
15 9	+ 4.1	10 16	+ 5.5	11 14	+ 4.0	13 1	- 5.3	17 7	+ 3.4	7 19	- 8.8	28 10	+ 4.1
15 10	+ 6.8	10 17	+ 3.9	11 15	+ 4.4	13 2	- 4.7	19 5	- 3.4	7 22	- 4.4	28 11	+16.7
16 2	- 4.7	11 1	- 5.5	11 16	+ 4.2	14 3	- 3.9	19 20	- 6.0	7 23	-16.9	28 12	+ 5.0
16 7	+ 3.6	13 0	- 7.7	11 19	+ 3.7	14 4	- 4.1	21 18	+ 3.5	8 0	- 4.4	28 22	- 5.2
16 9	+ 9.7	13 2	- 4.7	11 23	-11.4	14 6	- 4.3	21 19	+ 4.4	9 18	- 3.8	30 5	+ 4.2
16 11	+ 4.1	13 3	- 4.7	12 0	- 4.6	14 7	- 4.6	21 21	+ 3.8	9 21	- 5.7	30 13	- 3.7
16 12	+ 4.3	13 5	- 3.6	12 3	+ 4.3	14 8	- 4.3	22 7	- 4.0	10 2	- 3.5	30 19	- 3.8
17 0	- 6.0	13 6	- 6.4	12 8	+ 9.3	16 1	- 5.3	22 21	+ 4.4	12 1	+ 4.4	30 22	- 3.4
17 1	- 4.6	13 7	- 6.0	12 10	+ 4.5	16 3	+ 5.1	22 22	+ 6.0	12 3	- 5.4	30 23	- 3.4
17 2	- 3.6	13 8	- 3.7	12 11	+10.7	21 19	+ 3.7	22 23	+ 4.4	12 4	-12.1	31 11	- 3.7
17 3	- 6.2	13 9	- 3.6	12 12	+10.6	21 20	+ 3.9	23 0	+ 9.9	12 5	-12.8	31 14	- 3.4

TABLE XXVI.—*continued.*

Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.
1846.		1846.		1846.		1846.		1846.		1846.		1847.	
SEPT.		SEPT.		OCT.		OCT.		NOV.		DEC.		JAN.	
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	+ 4·7	16 1	+ 5·2	2 0	- 8·5	13 11	+ 3·8	17 19	+ 8·3	21 13	- 3·9	17 18	- 4·6
2 3	+ 3·6	16 2	+ 3·7	2 1	- 3·4	15 2	+ 3·6	17 20	+ 3·6	22 17	+ 4·0	17 19	- 4·2
3 2	+ 4·1	16 23	- 3·8	2 2	- 5·0	19 6	- 7·7	17 23	- 7·4	22 18	+ 5·2	18 16	- 3·8
3 18	+ 5·4	17 1	- 4·0	2 3	- 4·1	19 7	- 3·9	18 4	+ 4·7	22 19	+ 4·0	18 17	- 3·7
3 19	+ 4·4	17 7	+ 3·7	2 9	+ 5·0	19 10	- 6·9	18 17	- 3·4	23 4	- 4·3	18 18	- 4·5
3 20	+ 4·8	17 12	- 3·7	2 10	+ 6·7	19 11	- 4·9	18 18	- 4·0	23 5	- 6·6	18 19	- 4·0
3 21	+ 8·9	18 11	- 3·4	2 11	+ 8·4	19 20	+ 3·4	18 19	- 5·5	25 5	- 5·8	18 20	- 3·4
4 0	- 9·0	18 12	- 3·8	2 12	+ 5·6	19 21	+ 3·9	18 20	- 4·0	25 13	- 3·5	19 14	+ 5·5
4 1	- 9·2	18 13	- 3·6	2 13	+ 7·8	19 22	+ 4·5	20 7	+ 4·7	25 14	- 4·0	19 15	+ 6·5
4 6	+ 3·6	21 2	+ 4·6	2 14	+ 5·4	20 5	+ 6·6	26 3	- 5·3	25 15	- 5·1	19 16	+ 4·0
4 12	+ 4·7	21 8	+ 4·9	2 15	+ 5·5	21 4	+ 3·5	26 5	- 5·7	25 16	- 4·3	19 19	+ 4·2
4 14	+ 3·4	21 13	+ 4·5	2 16	+ 3·7	21 22	- 12·5	26 6	- 4·6	28 12	+ 4·2	19 20	+ 5·1
4 19	+ 5·4	21 22	- 9·5	2 17	+ 5·0	22 5	+ 6·5	26 7	- 6·9	28 13	+ 4·6	19 21	+ 3·5
4 22	- 10·7	21 23	- 9·3	2 18	+ 5·4	22 6	+ 8·8	26 9	- 7·4	28 14	+ 3·5	20 1	- 6·5
4 23	- 3·5	22 0	- 7·3	2 19	- 3·6	22 9	- 3·8	26 10	- 3·6	29 19	- 3·7	20 8	- 3·4
5 2	- 11·3	22 1	- 11·8	2 20	+ 4·0	22 20	- 3·4	26 12	+ 8·5	29 20	- 4·0	20 9	- 5·2
6 3	+ 3·5	22 2	- 39·2	2 23	- 3·7	22 21	- 5·6	27 3	- 6·3	29 21	- 3·4	20 10	- 5·7
7 2	+ 3·9	22 3	- 28·8	4 13	- 3·6	22 22	- 6·7	27 16	- 3·5			20 13	+ 3·5
8 3	- 6·2	22 4	- 18·5	4 16	- 4·7	25 4	+ 4·9	27 17	- 4·2	1847.		20 14	+ 3·5
8 5	- 19·7	22 5	- 19·9	4 17	- 4·1	27 9	+ 3·5	27 22	- 5·1	JAN.		20 23	- 5·6
8 6	- 9·2	22 6	- 36·9	5 3	- 5·2	28 20	- 3·4	29 14	+ 3·5	3 16	- 4·8	21 0	- 3·9
9 5	- 5·7	22 7	- 4·7	6 5	- 3·8	30 0	- 3·8	29 15	+ 4·8	3 17	- 5·1	21 4	- 4·6
9 6	- 3·7	22 8	- 8·1	7 4	- 5·8	30 2	- 4·5	29 16	+ 4·6	4 21	+ 3·4	21 5	- 3·6
9 7	- 5·5	22 9	- 10·6	7 5	- 5·8	30 3	+ 4·8	30 3	+ 3·7	4 22	+ 3·7	22 3	- 3·4
10 5	- 6·5	22 10	- 4·6	7 6	- 9·9	31 0	- 6·1			5 19	+ 3·6	22 9	- 3·7
10 6	- 4·4	22 21	+ 5·3	7 10	+ 5·2			DEC.		7 14	- 3·5	24 17	+ 4·1
10 7	- 7·6	22 22	+ 4·6	7 14	- 5·2	NOV.		1 23	- 4·8	7 15	- 4·2	25 12	- 4·0
10 8	- 5·3	23 0	+ 3·4	7 17	+ 4·7	1 7	- 3·5	2 2	- 3·7	8 19	+ 3·4	25 13	- 4·5
10 9	- 5·2	23 2	+ 3·9	7 19	+ 10·1	2 1	- 4·8	2 13	+ 3·5	8 20	+ 4·7	25 14	- 4·4
10 10	- 4·4	23 11	- 5·9	7 21	+ 7·7	2 2	- 8·4	2 14	+ 4·2	10 6	- 4·6	26 11	- 4·7
10 20	+ 6·9	24 2	+ 4·1	7 22	- 8·1	2 3	- 5·5	4 0	- 7·4	10 14	- 3·8	26 12	- 5·6
10 21	- 8·7	24 7	+ 8·2	7 23	+ 6·0	2 4	- 5·7	4 1	- 6·5	10 15	- 5·5	26 13	- 4·5
10 22	+ 6·8	24 8	+ 3·6	8 2	- 6·8	2 5	- 5·7	4 2	- 4·7	10 16	- 5·0	26 16	+ 4·0
10 23	+ 6·0	24 10	- 3·6	8 3	- 12·1	2 6	- 5·9	4 5	- 7·4	10 17	- 4·1	26 17	+ 5·2
11 2	- 3·9	25 5	+ 7·1	8 4	- 19·2	2 10	+ 5·1	4 19	+ 3·9	12 2	- 7·0	26 18	+ 4·4
11 6	+ 10·8	25 21	- 15·1	8 7	- 3·9	2 11	+ 3·5	4 20	+ 3·8	12 3	- 7·1	27 16	+ 4·5
11 7	- 5·2	25 23	- 5·0	8 21	+ 3·9	2 22	- 5·6	7 9	+ 4·5	12 12	- 4·8	28 13	- 3·5
11 12	+ 4·4	26 1	+ 3·6	9 7	+ 3·5	3 1	- 6·2	8 20	+ 3·4	12 13	- 4·8	29 1	- 5·5
11 16	+ 4·2	27 5	+ 3·6	9 18	+ 4·9	4 13	- 4·4	10 11	+ 4·1	12 15	- 4·3	29 11	+ 6·5
11 21	- 23·3	27 6	+ 3·8	9 21	- 4·8	4 14	- 4·9	10 12	+ 4·4	12 16	- 5·4	29 19	- 5·0
12 1	- 4·8	28 2	+ 3·7	9 23	- 4·2	5 9	+ 3·6	11 3	- 4·3	12 17	- 4·2	29 20	- 5·4
13 3	+ 5·3	29 1	+ 3·5	10 0	- 9·4	6 9	+ 3·8	11 17	- 3·4	13 3	+ 3·6	29 21	- 4·9
13 17	+ 4·8	29 2	+ 4·7	10 1	- 12·6	6 13	- 3·6	13 14	- 3·4	13 6	+ 3·6	31 7	- 9·1
13 20	- 5·9	29 7	+ 3·9	10 2	- 16·1	6 14	- 5·1	13 15	- 4·0	13 7	+ 3·4	31 11	+ 6·3
13 22	+ 5·5	30 9	+ 3·8	11 4	- 5·5	6 15	- 3·4	13 16	- 5·1	13 10	+ 3·4	31 12	+ 4·1
13 23	+ 4·9	30 10	+ 3·4	11 5	- 3·4	8 9	+ 3·6	13 17	- 4·8	13 11	+ 4·7	31 17	+ 8·1
14 4	- 3·8	30 11	+ 4·1	11 11	+ 5·1	11 10	+ 3·7	15 17	- 3·4	13 13	+ 4·3	31 18	+ 5·5
14 18	+ 4·2	30 15	+ 3·4	11 21	- 10·5	13 23	- 9·3	15 19	- 3·9	14 18	- 3·5		
14 20	+ 3·4	30 19	+ 3·4	11 22	- 4·1	17 3	- 3·6	18 7	+ 3·7	15 12	+ 4·7	FEB.	
14 21	+ 3·8			12 1	+ 4·6	17 7	- 6·9	18 16	+ 4·1	15 13	+ 3·9	3 3	- 4·1
14 22	- 4·6	OCT.		12 2	- 5·7	17 8	- 7·0	18 17	+ 4·2	17 12	+ 4·6	5 12	- 3·9
15 18	- 4·0	1 8	+ 5·5	12 3	- 6·1	17 9	- 8·4	20 17	+ 3·6	17 13	+ 5·0	5 13	- 4·2
15 19	- 3·5	1 23	- 4·2	13 10	+ 4·6	17 18	+ 5·8	21 12	- 4·5	17 17	- 4·1	5 14	- 6·1

MAGNETIC DECLINATION.

xxxiii

TABLE XXVI.—continued.

1847.		1847.		1847.		1847.		1847.		1847.		1847.	
Gött. Astron. Time.	Disturb. ance.	Gött. Astron. Time.	Disturb. ance.	Gött. Astron. Time.	Disturb. ance.	Gött. Astron. Time.	Disturb. ance.	Gött. Astron. Time.	Disturb. ance.	Gött. Astron. Time.	Disturb. ance.	Gött. Astron. Time.	Disturb. ance.
FEB.		FEB.		MAR.		APRIL.		APRIL.		JUNE.		AUG.	
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 15	- 3.9	26 0	- 4.7	18 23	- 4.2	13 2	+ 4.5	30 2	- 7.1	7 20	+ 7.6	4 19	+ 4.1
5 18	+ 3.6	26 4	+ 3.8	19 0	- 5.3	15 7	+ 4.4	30 3	- 4.3	7 21	+ 10.3	4 20	+ 6.2
5 19	+ 4.7	26 15	- 4.1	19 1	- 13.1	15 8	+ 4.4	30 11	+ 4.6	10 1	- 8.4	5 0	- 7.2
5 20	+ 4.4	26 16	- 5.8	19 2	- 31.5	14 9	+ 6.3	30 18	- 4.7	10 2	- 5.5	5 2	- 5.3
5 21	+ 5.5	26 17	- 5.6	19 4	- 11.9	14 14	+ 4.3			10 4	- 7.0	5 3	+ 4.4
5 22	- 7.1	26 18	- 4.9	19 5	- 5.3	14 15	+ 6.2	MAY.		10 5	- 7.6	5 9	+ 3.8
6 0	- 4.4	26 19	- 3.7	19 6	- 15.8	14 16	+ 4.9	3 1	- 5.0	10 6	- 8.0	5 10	+ 5.4
6 1	- 15.3	28 10	+ 3.5	19 7	- 9.1	14 17	+ 4.4	6 21	- 3.6	10 20	- 4.4	5 11	+ 3.5
6 2	- 11.6	28 11	+ 3.6	19 8	- 4.2	16 2	+ 4.2	7 13	- 3.7	13 3	+ 5.6	5 12	+ 3.9
7 5	- 3.8			19 11	+ 4.3	17 2	- 6.1	7 15	+ 4.0	13 6	+ 5.0	5 21	- 6.9
7 6	- 3.9	MAR.		19 12	+ 6.2	19 2	+ 4.5	7 16	+ 4.6	14 1	- 7.8	6 4	+ 4.8
7 11	+ 7.0	1 3	- 5.5	19 13	+ 8.4	19 18	+ 3.9	7 17	+ 3.7	14 2	- 6.0	6 5	+ 3.8
7 12	+ 3.8	1 4	- 11.7	19 14	+ 4.5	19 20	+ 5.7	7 18	+ 5.1	14 3	- 11.4	6 12	+ 5.2
8 2	- 4.8	1 6	- 20.9	19 17	+ 12.7	19 21	+ 3.6	7 19	+ 6.4	14 4	- 7.7	6 13	+ 3.7
12 6	+ 5.1	1 7	+ 3.6	19 19	+ 4.8	19 22	+ 6.1	7 20	+ 21.8	14 9	+ 4.5	6 14	+ 4.8
14 14	+ 6.6	1 8	- 5.7	19 22	+ 4.7	19 23	+ 5.9	7 21	+ 17.9	14 11	+ 5.5	6 20	- 6.3
14 15	+ 7.8	1 10	+ 6.8	23 20	+ 3.9	20 1	- 12.0	7 22	- 8.9	14 12	+ 6.8	8 8	+ 6.2
14 16	+ 4.7	1 11	+ 11.2	24 3	- 3.6	20 2	- 21.9	7 23	- 4.3	14 13	+ 3.7	8 9	+ 4.3
15 1	+ 3.5	1 12	+ 5.0	24 10	+ 3.7	20 3	- 12.2	8 0	- 7.3	14 14	+ 4.7	8 11	+ 7.5
15 2	+ 3.9	1 13	+ 4.2	24 15	- 3.8	20 4	- 7.9	8 1	- 7.2	17 1	+ 4.9	8 12	+ 5.9
15 11	- 5.7	4 12	+ 3.5	24 16	- 3.5	20 5	- 19.7	8 2	- 8.1	22 2	- 3.7	9 11	+ 4.2
15 12	- 5.4	4 19	+ 4.0	24 17	- 3.6	20 6	- 9.0	9 20	- 3.7	28 23	- 6.6	9 22	- 3.8
15 16	+ 5.6	4 23	- 3.5	24 18	- 4.3	20 9	+ 3.9	9 21	+ 5.0	29 21	- 7.1	15 17	- 3.6
15 17	+ 5.8	7 5	+ 6.7	24 19	- 5.5	20 10	+ 3.8	9 22	+ 4.0	30 10	+ 3.8	15 18	- 3.7
15 18	+ 4.3	8 7	+ 4.1	25 19	- 3.7	20 16	- 4.7	14 22	+ 5.7			16 19	+ 3.9
16 2	- 3.5	8 10	+ 4.1	25 20	- 3.9	20 17	- 4.3	14 23	+ 3.4	JULY.		16 20	+ 5.5
16 15	+ 4.0	8 11	+ 4.5	26 1	- 4.3	20 21	+ 3.6	16 10	- 4.7	5 22	+ 4.2	16 21	+ 3.7
16 16	+ 4.6	8 12	+ 5.7	29 23	+ 3.4	21 1	- 4.2	17 7	+ 3.6	7 7	- 4.0	17 6	- 5.5
16 17	+ 3.4	8 13	+ 4.3			21 2	- 22.3	17 8	+ 5.8	9 10	+ 5.4	22 3	- 5.6
17 12	- 4.4	8 14	+ 4.9	APRIL.		21 3	- 20.6	17 9	+ 5.6	9 11	+ 13.4	22 4	- 8.5
17 13	- 5.3	8 22	- 7.1	2 22	+ 4.3	21 4	- 13.9	17 12	+ 5.9	9 12	+ 11.4	22 5	- 4.8
17 14	- 4.4	9 17	- 3.6	2 23	- 15.1	21 5	- 12.5	17 21	- 5.1	9 13	+ 13.0	24 19	+ 5.9
17 17	+ 4.1	10 0	- 3.5	3 0	- 11.0	21 7	- 4.2	18 6	+ 7.1	9 14	+ 5.7	24 22	+ 6.2
17 18	+ 4.3	10 6	+ 3.8	4 6	+ 3.5	21 12	+ 4.2	19 13	+ 4.5	9 15	+ 4.6	25 2	- 3.5
18 14	- 4.9	10 10	+ 3.8	4 7	+ 5.1	21 16	- 3.6	20 3	- 4.1	10 2	- 4.4	25 3	- 6.7
18 19	+ 3.8	14 8	- 3.5	5 3	+ 4.0	21 17	- 4.7	20 7	+ 5.6	11 21	- 3.6	25 4	- 9.0
22 4	- 3.4	14 15	+ 3.4	6 2	+ 3.5	21 18	- 3.7	20 8	+ 5.6	12 19	- 6.1	25 5	- 5.2
22 5	- 4.9	16 15	+ 5.5	6 5	+ 4.9	22 2	+ 3.9	20 9	+ 5.0	20 1	- 4.0	25 6	- 5.3
22 12	+ 6.3	16 16	+ 5.6	6 23	- 3.7	22 5	+ 5.6	20 10	+ 3.9	21 18	+ 3.8	25 7	- 4.8
22 13	+ 6.6	17 10	- 4.5	7 0	- 3.9	22 8	+ 5.0	20 11	+ 5.5	21 20	+ 3.5	25 8	- 4.0
22 14	+ 11.3	17 11	- 5.2	7 2	+ 3.5	23 2	+ 3.9	21 13	+ 3.6	21 22	+ 4.1	25 17	+ 5.2
24 2	- 10.8	17 12	- 5.2	7 7	- 4.5	24 2	+ 4.0	27 18	+ 3.6	21 23	+ 3.7	25 18	+ 4.2
24 3	- 6.0	17 13	- 3.5	7 11	- 3.8	27 2	+ 3.9	28 0	- 3.5	22 3	- 4.2	25 19	+ 5.8
24 10	+ 5.9	18 10	- 4.1	7 16	+ 5.1	28 22	- 8.9	28 1	- 3.6	23 17	+ 3.7	25 20	+ 9.3
24 11	+ 4.1	18 11	- 4.4	7 17	+ 6.7	28 23	- 7.1	28 3	- 3.7	27 18	+ 4.3	25 21	+ 10.2
24 13	+ 8.5	18 12	- 7.6	7 18	+ 4.3	29 11	+ 6.8	28 21	+ 3.9	27 19	+ 4.7	25 22	+ 6.3
24 18	- 4.3	18 13	- 4.9	7 20	+ 15.3	29 12	+ 8.2	28 22	- 5.0	27 20	+ 3.9	28 2	- 8.3
24 20	- 5.8	18 16	+ 3.4	7 21	+ 10.2	29 13	+ 5.0	29 0	- 4.5	29 15	- 3.5	31 11	- 4.9
25 7	+ 5.5	18 17	+ 3.7	7 22	- 8.7	29 14	+ 3.8			AUG.		31 12	- 5.2
25 8	- 4.9	18 18	+ 4.9	7 23	+ 3.7	29 21	- 9.9	JUNE.		3 22	+ 3.4		
25 12	+ 5.0	18 19	+ 6.3	8 2	+ 3.4	29 23	- 7.1	1 7	- 4.8	4 3	- 5.4	SEPT.	
25 14	+ 4.1	18 20	+ 6.9	8 11	- 3.9	30 0	- 9.0	1 8	- 3.4	4 17	- 4.4	1 2	+ 4.5
25 22	- 7.7	18 22	- 9.2	12 2	+ 4.1	30 1	- 7.6	7 19	+ 6.1	4 18	+ 9.6	1 3	+ 4.1

TABLE XXVI.—*continued.*

Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.
1847. SEPT.		1847. SEPT.		1847. SEPT.		1847. OCT.		1847. OCT.		1847. OCT.		1847. NOV.	
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 7	+ 5·6	22 9	- 4·5	27 5	- 8·9	12 2	+ 4·1	22 17	+ 6·0	29 10	- 3·6	20 2	-10·3
1 17	- 3·4	22 10	- 4·0	27 6	- 7·2	12 9	+ 3·9	22 19	+ 4·3	31 12	+ 4·6	22 6	-13·8
1 18	- 3·5	22 11	- 5·0	27 10	- 5·1	12 17	+ 5·7	22 21	+ 4·8	31 13	+ 4·4	22 7	- 9·8
2 2	+ 3·7	22 12	- 5·7	27 16	- 3·6	12 18	+ 7·3	22 22	+ 5·4	31 14	+ 3·6	22 8	-10·7
3 2	+ 4·3	22 13	- 3·5	27 17	- 6·9	12 19	+ 6·2	23 0	-16·1			22 10	- 3·9
3 3	+ 4·8	22 16	+ 3·6	28 2	+ 4·3	12 20	+ 5·3	23 1	-14·8	NOV.		22 11	- 3·8
3 5	+ 3·8	22 17	+ 5·6	28 3	+ 3·7	12 22	+ 4·0	23 2	-26·6	1 1	- 5·4	22 12	- 4·6
3 12	+ 4·4	22 18	+ 3·8	28 5	+ 4·0	12 23	- 5·6	24 4	+ 8·8	1 3	- 3·5	22 14	+ 4·1
5 8	+ 4·9	23 3	-11·5	28 10	+ 5·2	13 0	- 4·3	24 6	-12·0	1 4	- 5·3	22 15	+ 4·7
6 5	+ 3·5	23 4	- 6·3	28 11	+ 4·1	13 2	-17·6	24 9	+ 5·3	1 6	+ 7·0	22 18	+ 6·8
7 5	+ 3·8	23 5	- 7·0	29 2	+ 3·7	13 3	-15·3	24 11	- 3·7	1 10	- 6·4	22 19	+ 7·3
8 2	+ 5·1	23 6	- 8·2	29 3	+ 4·7	13 5	- 3·7	24 12	- 4·5	1 12	+ 9·6	22 20	+ 6·1
8 3	+ 4·8	23 8	- 4·3	29 6	+ 8·8	13 6	- 3·9	24 13	+11·6	1 13	+ 7·8	23 1	+ 3·7
8 5	+ 4·2	23 9	- 6·3	29 8	+ 6·0	14 1	+ 4·0	24 14	+ 3·9	1 14	+10·6	23 2	+ 4·3
9 2	- 7·9	23 10	- 5·9	29 9	+17·1	15 3	+ 5·8	24 17	+12·4	1 15	+ 7·9	23 13	- 5·1
9 4	- 8·3	23 11	- 8·3	29 10	+19·1	15 4	- 3·6	24 18	+12·8	1 16	+ 3·8	24 4	+ 5·6
9 6	- 3·6	23 12	- 6·5	29 11	+ 6·0	15 9	- 3·7	24 19	+ 4·1	2 22	+ 4·6	24 5	+ 3·6
9 7	- 7·6	23 16	+ 3·6	29 13	+ 3·5	15 11	- 3·7	24 20	- 7·1	3 12	+ 4·2	24 6	+ 3·5
9 10	+ 5·9	23 19	+ 3·7	30 2	+ 4·3	15 12	- 4·0	24 22	-27·1	3 13	+ 4·1	24 7	+ 3·9
9 11	+ 5·9	23 20	+13·7	30 3	+ 4·2	15 13	- 3·4	25 1	- 4·0	7 10	- 3·4	24 8	+ 3·4
9 12	+ 5·4	23 21	+18·0	30 5	+ 3·4	16 1	- 3·6	25 2	- 6·6	7 16	+ 3·8	24 18	+ 7·8
10 2	+ 4·6	23 22	+ 5·6	30 10	- 3·5	17 5	- 3·7	25 3	- 9·0	7 17	+ 3·7	24 19	+11·7
10 3	+ 4·3	23 23	+ 5·6			17 9	- 6·1	25 4	-18·5	7 20	- 5·1	24 20	+10·7
10 5	+ 3·6	24 2	-43·7	OCT.		17 10	- 6·4	25 8	+ 9·9	8 1	- 5·6	25 0	- 8·7
10 14	- 3·9	24 3	-13·0	1 11	+ 5·3	17 11	- 4·7	25 9	+ 9·1	8 22	- 3·6	25 1	- 4·4
10 15	- 3·6	24 4	-16·6	1 12	+ 4·2	17 13	- 4·2	25 15	- 4·3	10 5	- 4·9	25 2	-25·3
12 3	+ 3·9	24 5	-41·2	2 2	+ 3·4	17 22	- 7·2	25 16	- 3·7	10 6	- 6·0	25 3	- 6·7
12 5	+ 3·6	24 7	-30·2	4 1	+ 3·6	17 23	- 8·1	25 17	- 5·4	10 7	- 4·1	25 6	- 4·8
12 14	- 5·1	24 8	- 8·3	4 2	+ 4·2	18 1	- 6·8	25 18	- 6·5	10 12	- 3·8	25 8	+ 5·3
12 18	+ 4·4	24 9	- 5·5	5 1	+ 3·8	18 3	- 9·0	25 19	- 5·7	11 13	- 3·6	25 9	+ 9·8
12 20	+ 7·9	24 11	+ 6·9	5 7	+ 3·6	18 4	-10·0	25 20	- 3·9	11 14	- 4·1	25 10	+ 7·5
12 21	+10·5	24 17	- 3·6	5 11	+ 5·5	18 10	- 3·8	26 2	+ 4·2	11 15	- 3·4	25 11	+ 4·3
12 23	- 5·1	24 19	- 3·9	5 12	+ 3·8	18 11	- 6·2	26 15	- 3·6	14 4	- 3·7	25 15	- 3·4
13 1	- 9·9	24 20	- 4·1	6 2	+ 3·9	18 12	- 5·4	26 16	- 5·5	14 6	- 3·5	25 16	- 6·9
13 2	-10·9	25 2	+ 4·3	6 16	+ 4·1	18 13	- 6·2	26 17	- 6·5	14 13	- 3·4	25 17	- 6·9
13 3	- 9·3	26 3	- 4·0	6 17	+ 4·2	18 14	- 5·0	26 18	- 6·3	14 14	- 6·5	25 18	- 4·9
14 2	- 4·7	26 4	- 7·6	7 2	+ 3·9	19 1	- 4·6	26 19	- 4·7	14 15	- 7·1	25 19	- 5·7
14 3	+ 4·2	26 5	- 8·2	7 20	+ 5·3	19 2	- 6·8	27 2	+ 4·2	14 16	- 6·3	25 20	- 7·3
14 5	+ 3·8	26 6	-13·3	7 21	+ 4·6	19 3	+ 3·7	27 12	- 6·2	14 17	- 5·8	25 22	- 5·0
15 2	+ 4·9	26 7	+ 8·3	7 22	+ 5·2	20 2	+ 3·7	27 17	- 3·6	14 18	- 4·0	26 0	- 6·4
15 3	+ 4·4	26 8	- 4·0	8 1	- 5·0	20 11	- 5·7	27 18	- 3·6	16 0	- 5·2	26 1	- 4·4
15 5	+ 3·6	26 10	+ 6·3	8 4	+ 4·9	20 12	- 5·2	28 1	+ 3·6	16 4	- 7·9	26 3	- 4·4
16 3	+ 3·4	26 12	+ 5·9	8 9	+ 4·9	20 13	- 6·4	28 2	+ 4·5	16 6	+ 4·9	26 9	- 4·2
16 5	+ 3·8	26 14	+ 4·3	8 10	+ 8·6	20 16	+ 3·4	28 12	+ 5·4	16 10	+ 4·8	26 14	- 5·7
16 16	+ 4·1	26 16	+ 3·6	8 11	+ 7·1	20 17	+ 3·8	28 13	+ 4·4	18 22	- 5·0	26 11	- 4·3
18 2	+ 4·5	26 18	+ 5·5	8 12	+ 7·8	21 2	+ 4·2	28 14	+ 4·6	19 10	+ 6·8	28 12	- 4·9
19 17	+ 3·6	26 19	+10·7	8 13	+ 9·5	21 15	+ 3·5	29 0	- 8·1	19 11	+ 6·0	28 13	- 4·1
20 2	+ 4·7	26 21	-22·6	8 14	+ 6·9	21 16	+ 5·1	29 3	- 4·2	19 13	- 4·5	28 14	- 4·0
20 3	+ 4·5	26 23	-23·9	8 15	+ 4·8	21 17	+ 3·6	29 5	- 3·7	19 16	- 3·9	28 15	- 4·5
20 17	+ 3·5	27 0	-50·5	9 2	+ 4·4	22 12	- 4·0	29 6	- 4·0	19 21	+ 3·4	29 2	+ 3·5
21 2	+ 4·3	27 1	-11·4	10 6	+ 4·8	22 13	- 3·8	29 7	- 4·4	19 22	+ 3·7	29 6	+ 4·6
22 0	+ 3·8	27 2	-17·0	10 7	+ 6·6	22 15	+ 5·3	29 8	- 4·1	20 0	- 4·1	29 13	+ 4·2
22 2	+ 3·4	27 3	-26·0	11 8	+ 4·7	22 16	+ 7·3	29 9	- 5·3	20 1	-12·6	29 14	+ 4·4

MAGNETIC DECLINATION.

xxxv

TABLE XXVI.—continued.

Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.	Gött. Astron. Time.	Disturbance.
1847.		1847.		1847.		1848.		1848.		1848.		1848.	
NOV.		DEC.		DEC.		JAN.		JAN.		JAN.		FEB.	
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 15	+ 6.1	10 14	- 6.3	21 16	- 4.0	6 13	- 3.7	16 5	- 3.5	24 14	+ 5.1	6 9	- 3.5
30 12	+ 3.5	11 2	- 7.0	21 17	- 5.1	6 16	+ 3.7	16 6	- 9.8	24 15	+ 3.8	6 10	- 4.9
30 13	+ 5.5	13 5	+ 4.8	21 18	- 3.5	6 17	+ 4.1	16 13	- 8.7	24 16	+ 3.8	6 11	- 6.7
30 14	+ 5.1	13 13	- 4.0	22 3	- 6.2	6 18	+ 4.6	16 15	- 3.6	24 17	+ 3.8	6 12	- 5.2
30 15	+ 5.3	14 5	+ 4.2	22 23	- 5.6	6 19	+ 3.7	16 19	- 5.8	25 4	+ 3.9	6 13	- 5.2
30 16	+ 4.5	14 8	+ 3.9	23 0	- 4.3	6 20	+ 3.5	17 1	- 3.8	25 5	+ 4.1	6 17	+ 3.8
		16 17	- 4.0	23 4	+ 4.1	7 1	- 5.6	17 12	+ 4.2	25 6	+ 5.6	6 18	+ 5.2
		17 0	+ 4.8	23 6	+ 5.3	7 2	- 8.2	17 15	- 4.0	25 9	+ 4.7	6 19	+ 6.5
DEC.		17 3	+ 5.2	23 7	+ 4.9	7 3	- 4.0	17 17	- 5.3	25 13	- 6.2	6 20	+ 8.9
1 7	- 4.8	17 4	+ 7.8	23 8	+ 4.5	7 11	- 4.8	17 18	- 6.1	25 14	- 7.2	6 22	- 6.3
1 8	-10.8	17 5	- 4.8	23 9	+ 6.0	7 12	- 3.8	17 19	- 5.0	25 15	- 8.2	7 1	+ 3.9
1 9	- 8.1	17 10	+ 4.6	23 10	+ 7.3	7 17	+ 4.2	18 13	+ 7.4	25 16	- 7.2	7 11	- 3.6
1 10	- 4.9	17 12	+ 4.5	23 13	- 6.2	7 18	+ 4.9	18 18	- 3.4	25 17	- 5.6	7 20	- 3.5
1 12	+ 3.9	17 13	+ 4.8	23 14	- 4.5	7 19	+ 3.7	19 3	+ 3.5	26 12	- 6.5	7 23	- 3.5
1 13	+ 4.0	17 14	- 5.7	23 15	- 5.9	9 14	+ 6.0	19 4	+ 9.6	26 13	- 4.8	8 1	- 5.1
1 19	- 6.6	17 18	- 4.2	23 16	- 5.3	9 15	+ 6.3	19 5	- 5.4	26 16	+ 5.7	8 5	+ 6.6
1 20	- 7.2	17 19	- 4.9	26 7	+ 3.6	9 16	+ 5.6	19 6	- 5.8	26 17	+ 5.0	8 9	+ 4.6
2 4	+ 3.5	17 20	- 4.3	26 13	- 3.7	10 11	- 3.8	19 10	+ 4.7	27 3	+ 4.8	8 11	- 4.6
2 7	+ 3.7	17 22	+ 5.8	26 18	+ 3.7	10 12	- 4.3	19 11	+ 7.0	27 5	+ 9.0	8 13	- 3.7
2 8	+ 4.1	18 2	+20.8	26 19	+ 5.1	11 10	- 5.0	19 12	+ 5.9	27 6	+ 3.6	8 14	- 6.9
2 13	+ 5.0	18 4	-11.1	26 20	+ 4.4	11 11	- 8.6	19 17	- 4.2	27 14	- 3.5	9 0	- 4.3
2 14	+ 3.7	19 5	- 9.2	27 14	- 4.1	11 15	+ 6.1	19 18	- 3.5	27 15	- 7.0	9 4	+ 3.4
2 20	- 4.6	19 6	-24.0	28 6	+ 3.9	11 16	+ 4.7	19 19	- 4.2	27 16	- 8.3	9 6	+ 3.7
2 21	- 3.6	19 7	-20.5	28 7	+ 5.9	11 21	- 5.4	20 3	+ 6.7	27 17	- 7.2	9 19	- 5.7
3 0	- 4.8	19 11	+ 7.2	28 8	+ 4.2	11 22	- 4.5	20 13	+ 5.4	27 18	- 8.5	9 20	- 5.4
3 3	+ 3.6	19 12	+ 8.9	28 9	+ 4.0	11 23	- 4.7	20 14	+ 5.9	28 4	+ 3.6	10 13	+ 3.6
3 4	- 5.3	19 13	+ 4.0	28 10	+ 4.7	12 0	- 7.7	20 15	+ 5.3	28 10	- 5.4	10 17	- 4.5
3 8	- 3.9	19 16	+10.6	29 6	+ 3.4	12 1	- 4.5	20 16	+ 5.7	28 11	- 7.2	10 18	- 5.2
3 9	- 5.1	19 17	+12.2	29 7	+ 4.9	12 3	- 9.8	20 17	+ 3.4	28 12	-10.1	10 19	- 5.3
3 10	- 3.9	19 18	+ 6.5	29 17	- 7.5	12 4	-17.2	21 4	+ 3.6	28 13	+ 3.6	10 20	- 3.7
3 16	- 4.2	19 19	+18.4	29 18	- 7.5	12 5	- 8.0	21 6	+ 3.9	28 15	+ 5.5	11 16	- 3.4
5 14	+ 5.8	19 20	+14.1	29 19	- 4.6	12 6	- 3.4	21 11	+ 3.4	28 17	- 5.9	11 17	- 4.3
5 15	+ 5.7	19 21	+ 3.5	30 7	+ 3.6	12 7	- 4.5	21 12	+ 5.9	28 18	+ 6.9	11 18	- 3.8
5 16	+ 5.1	19 22	- 6.5	31 19	- 4.1	12 8	+12.7	21 13	+ 4.6	28 19	+14.5	11 19	- 3.5
6 13	+ 3.8	19 23	-16.0			12 16	- 6.8	23 7	+10.2	28 20	+ 9.7	13 3	- 3.5
6 14	+ 4.4	20 0	+14.2			12 17	- 4.7	23 11	+ 5.4	28 21	+ 5.4	13 5	- 3.9
7 11	- 6.1	20 1	-14.9	1848.		12 19	- 4.1	23 13	- 5.5	29 0	+ 9.1	13 17	+ 3.5
7 12	- 6.0	20 2	-12.2	JAN.		13 1	+ 3.9	23 14	- 8.8	29 1	- 4.9	14 11	+ 6.2
7 13	- 7.2	20 3	-26.2	2 4	+ 3.6	13 2	- 6.1	23 15	- 7.1	29 2	+ 5.0	14 17	+ 4.9
7 15	+ 5.1	20 4	- 8.4	3 12	- 3.5	13 3	- 5.9	23 16	- 3.8	30 3	- 8.5	14 18	+ 6.9
8 1	- 3.6	20 5	-20.0	3 23	- 5.6	13 9	+ 9.5	23 21	- 4.7	30 4	- 7.0	14 19	+ 7.0
8 2	- 3.8	20 6	- 5.9	4 4	- 7.4	13 10	+17.0	23 22	- 4.6	30 5	- 8.3	14 20	+ 6.5
8 10	- 4.3	20 7	-26.6	4 7	- 4.3	13 11	+11.2	24 0	-18.5	30 6	- 7.6	14 21	+ 6.8
8 11	- 4.1	20 8	-16.1	4 8	- 4.0	13 12	+ 3.9	24 1	- 8.7	30 7	- 5.8	15 1	+ 4.1
8 16	+ 4.3	20 9	+ 5.0	4 9	- 3.7	13 14	- 3.6	24 2	- 9.8	30 9	- 4.1	15 2	- 3.8
8 17	+ 4.0	20 10	+ 8.5	4 10	- 5.0	13 15	- 4.9	24 3	- 9.0	30 17	+ 3.8	17 7	+ 4.8
9 3	- 5.7	20 11	+ 8.9	4 13	+ 3.8	13 16	- 5.6	24 5	- 5.4	30 18	+ 5.4	17 15	+ 3.8
9 4	- 8.3	20 14	+ 8.2	5 15	+ 4.3	13 17	- 5.4	24 6	+ 4.1	31 12	+ 4.9	17 16	+ 5.5
9 14	+ 4.1	20 15	+ 6.3	5 16	+ 4.5	14 10	+ 5.8	24 7	- 5.3			17 17	+ 6.5
10 0	- 3.4	20 17	- 5.3	5 17	+ 5.8	14 12	- 4.9	24 8	- 5.5	FEB.		17 18	+ 4.4
10 7	+ 5.9	20 18	- 4.0	5 18	+ 4.5	14 13	- 4.1	24 9	- 5.8	2 1	- 4.9	20 10	+15.3
10 11	- 4.6	20 19	- 4.0	6 10	- 4.1	14 21	+ 3.5	24 10	- 3.7	3 16	+ 4.5	20 11	+ 7.3
10 12	- 4.1	21 15	- 4.7	6 11	- 3.6	16 4	- 6.4	24 13	+ 4.8	3 17	+ 4.9	20 13	+10.8

TABLE XXVI.—*continued.*

Gött. Astron. Time.	Disturb- ance.	Gött. Astron. Time.	Disturb- ance.	Gött. Astron. Time.	Disturb- ance.	Gött. Astron. Time.	Disturb- ance.	Gött. Astron. Time.	Disturb- ance.	Gött. Astron. Time.	Disturb- ance.	Gött. Astron. Time.	Disturb- ance.
1848.		1848.		1848.		1848.		1848.		1848.		1848.	
FEB.		FEB.		MAR.		MAR.		APRIL.		APRIL.		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.
20 14	+ 9.1	25 15	- 7.3	15 6	- 8.4	20 11	+13.2	2 21	- 4.9	21 8	- 3.9	18 0	- 3.6
20 22	+ 4.0	25 16	- 9.2	15 7	- 7.0	20 12	+ 5.3	2 22	- 5.6	21 18	+ 4.2	18 1	- 6.4
21 0	- 7.1	25 17	- 8.2	15 8	- 6.8	20 13	+ 8.1	2 23	- 5.0	21 19	+ 9.9	18 7	+ 8.1
21 1	-14.5	25 18	+ 4.0	15 9	- 5.2	20 14	+ 4.4	3 0	-12.3	21 20	+ 7.1	18 13	- 6.5
21 2	-25.8	25 19	- 4.0	15 11	+ 4.2	20 16	- 4.5	3 1	-10.0	21 21	+12.9	18 14	+ 5.1
21 3	- 4.6	26 1	+ 3.8	15 23	+ 4.2	20 17	- 4.0	3 2	- 9.7	28 20	+ 5.9	18 16	- 3.5
21 6	- 5.0	27 22	+ 3.8	16 0	+ 3.7	20 23	- 4.3	3 3	-11.3	30 6	+ 3.8	18 17	- 4.0
21 7	- 4.3	28 4	+ 3.8	16 16	+ 3.8	21 0	- 4.5	3 4	- 6.0	30 10	+ 5.2	18 18	- 4.3
21 8	- 6.0	28 8	+ 5.3	16 17	+ 4.0	22 4	+ 3.4	3 5	- 3.8	30 11	+ 6.4	19 22	- 6.7
21 9	- 8.3	28 9	+ 4.7	16 18	+ 7.0	24 0	- 7.5	3 7	+ 7.0	30 12	+ 6.1	19 23	-10.5
21 11	+ 3.7	29 15	- 3.8	16 19	+ 4.2	24 1	- 7.6	3 10	+ 5.4	30 18	- 7.9	21 19	- 4.5
21 14	-15.4	29 16	- 4.3	16 20	+ 5.8	24 2	- 4.0	3 11	+ 5.4	30 21	- 8.4	21 23	- 3.7
21 15	+ 4.4	29 17	- 5.3	16 23	- 9.4	24 10	- 4.0	3 12	+ 4.3			24 3	- 8.5
21 16	+12.1	29 18	- 3.8	17 0	- 7.0	24 23	+ 4.6	3 17	- 7.9	MAY.		24 13	+ 9.1
21 17	+ 4.6			17 1	- 5.4	26 3	- 7.6	5 17	+ 4.6	1 15	- 4.9	24 14	+ 4.1
21 18	+ 7.5	MAR.		17 2	- 6.2	26 4	- 4.6	5 18	+14.4	1 21	- 3.5	25 1	+ 4.5
21 22	+ 4.0	1 3	+ 4.5	17 3	- 7.6	26 8	+ 6.1	6 3	- 4.5	3 3	- 4.0	26 21	+ 4.9
21 23	+ 4.6	1 4	+ 3.7	17 4	- 5.4	26 21	- 4.9	6 11	- 3.6	3 22	-20.3	27 2	-11.5
22 0	+ 6.4	1 14	- 4.5	17 11	+ 6.2	26 22	- 4.2	6 13	- 3.8	4 20	+ 4.3	28 11	+ 4.9
22 1	+ 3.4	3 18	- 3.4	17 12	+ 4.0	27 3	+ 5.8	6 16	+ 4.6	4 21	+ 6.5		
22 7	- 4.3	3 19	- 3.4	17 19	- 3.9	27 4	+ 4.6	6 17	+13.7	6 1	- 8.6	JUNE.	
22 11	- 4.3	5 7	+ 4.9	19 3	- 7.5	27 13	+ 4.1	6 18	+10.2	7 20	- 4.3	4 4	- 5.9
22 14	+ 5.6	6 9	+ 5.8	19 4	-14.5	27 20	- 3.7	6 19	+10.0	7 22	+ 3.8	4 5	- 3.6
23 5	+ 4.7	6 23	- 3.7	19 5	-15.8	29 17	- 5.0	6 21	+15.6	7 23	+ 5.3	4 6	- 3.5
23 6	+ 6.1	7 10	- 3.4	19 6	- 4.7	30 21	-11.1	7 0	+17.4	8 0	- 3.9	4 23	- 7.3
23 19	+12.9	7 11	- 5.1	19 9	+ 5.4	30 22	- 3.4	7 1	-14.4	8 1	- 3.8	14 6	- 3.4
23 20	+10.4	8 1	- 8.6	19 10	+ 6.0	30 23	- 9.0	7 2	-25.6	8 4	- 8.6	14 10	+ 4.1
23 21	+ 9.2	8 2	- 4.3	19 11	+10.5	31 0	- 7.2	7 3	-13.5	8 5	- 5.8	15 1	- 4.9
23 22	+ 7.7	8 6	- 5.2	19 12	+ 4.7	31 1	- 7.6	7 6	+ 4.3	8 6	- 4.4	15 3	- 3.8
24 1	- 9.9	8 12	- 3.8	19 13	+ 6.3	31 2	+ 5.6	7 7	+ 6.7	8 7	- 5.6	20 14	+ 3.7
24 2	- 6.6	8 13	- 3.9	19 14	+ 6.1	31 3	- 4.6	7 8	- 3.6	9 2	+ 4.0	21 2	- 7.8
24 4	- 8.0	9 4	+ 3.4	19 15	+ 3.5	31 5	+ 3.4	7 10	- 4.8	9 7	+ 5.9	21 10	+ 6.7
24 8	- 4.0	9 12	- 3.4	19 17	- 3.8	31 6	+ 8.1	7 11	- 4.9	10 0	-19.1	21 11	+ 3.4
24 9	- 5.6	12 4	+ 3.4	19 18	- 3.4	31 12	+ 5.9	7 12	- 3.5	10 1	-16.3	22 0	- 3.4
24 11	+ 5.8	12 11	- 4.0	19 20	+ 6.5	31 21	- 5.5	7 23	- 7.1	10 2	-16.3	22 1	- 5.6
24 14	+ 4.2	13 3	+ 3.4	19 21	+10.3			17 8	+15.9	10 3	- 8.0	22 5	+ 4.6
24 16	- 3.7	14 16	+ 3.5	19 22	+ 7.6	APRIL.		17 9	+ 4.8	12 10	+ 4.1	22 9	+ 5.3
24 17	- 5.9	14 17	+ 7.0	20 3	-10.9	2 3	- 8.0	17 10	+ 4.0	17 7	- 6.6	22 10	+ 9.8
24 18	- 5.5	14 18	+ 6.6	20 4	-11.4	2 4	-12.4	17 11	+ 8.2	17 13	+ 3.5	22 20	+ 4.2
24 21	- 4.3	14 19	+ 9.1	20 5	-10.5	2 5	- 6.8	17 12	+ 5.0	17 18	+11.8	29 18	+ 3.6
24 22	-20.1	14 20	+ 6.1	20 6	-10.5	2 8	- 4.6	21 4	+ 4.5	17 19	+ 7.7	29 19	+ 3.9
25 1	- 5.1	15 3	- 4.4	20 7	-12.1	2 18	- 3.9	21 6	-10.2	17 20	+ 5.5	29 20	+ 3.8
25 13	- 4.9	15 4	- 5.7	20 8	- 8.6	2 19	- 4.0	21 7	- 4.4	17 21	+ 9.8	30 23	+ 5.9
25 14	- 5.6	15 5	- 6.1	20 10	+ 9.4	2 20	- 3.4						

HORIZONTAL FORCE.

In Absolute Measure:—The monthly series of absolute determinations of the Horizontal Force with the deflecting magnet A 23, a solid cylinder of 3 inches in length and $\cdot 3$ of an inch in diameter, the details of which from January 1846 to December 1847 inclusive were given in the first volume of the Hobarton Observations, pp. 390—393, has been steadily continued since, and was still proceeding at the date of the last communication from Commander Kay in 1851. The further detail of the observations of this series in the years 1848, 1849, and 1850 will be found near the close of the present volume, accompanied by their results which have been computed by Captain Younghusband. In this computation the first term,

$\frac{1}{1 + \frac{P}{r^2}}$ and $\frac{1}{1 + \frac{P}{r_1^2}}$, of the series employed to eliminate the effects of the too great

proximity in the deflecting and suspended magnets has been introduced, the value of the coefficient P, depending on the distribution of their free magnetism, having been calculated from the whole series of deflections at the two distances of 1.2 and 1.4 feet. A correction has also been introduced for the variation in the distances r and r_1 , caused by the contraction or expansion of the graduated brass tube on which the deflecting magnet rests, in temperatures differing from 60° assumed as a standard temperature.

As *relative* measures the monthly series with A 23 has probably no further corrections to receive, but as *absolute* measures the results can as yet only be regarded as provisionally computed.

1° The exact values of the distances r and r_1 , in terms of a British foot must await the existence of a standard of linear measure, which is understood to be in preparation by the committee appointed by Government for that purpose, as well as the return of the Hobarton Unifilar to England, when the graduation of the support for the deflecting magnet may be carefully compared with the standard scale.

2° The moment of inertia of the deflecting magnet cannot be finally determined until inertia rings can be obtained the dimensions and weights of which have been satisfactorily assured; the dimensions and weights assigned for the same rings by instrument makers of the first reputation in London being found to differ by an amount which would sensibly influence the resulting terrestrial magnetic force. By permission of the Superintending Committee of the Kew Observatory, the weights and dimensions of several standard rings to be employed in ascertaining the moment of inertia of the magnets of the Unifilars supplied to the Colonial observatories will be determined at Kew, as soon as the Observatory is furnished with the necessary standards of weight and measure. In the case of the Hobarton Unifilar the correct determination of the inertia-constant must also await the return of the magnet to England.

3° The induction correction, or the difference in the magnetic moment of the magnet when placed in the magnetic meridian and when perpendicular to that meridian, must also

await the return of the magnet to Woolwich, where an apparatus has been constructed by which this correction may be ascertained.

The exact determination of the absolute value of the Magnetic Force at Hobarton is of the more importance, because Hobarton has been the base station of the greater part of the vessels employed in the magnetic survey of the higher latitudes of the Southern Hemisphere, and their observations of the intensity of the Magnetic Force have all been made relatively to the Force at the base station; the three desiderata above noticed will require therefore to be very carefully obtained. It is intended that the results, finally corrected, shall be given in the third and concluding volume of the Hobarton Observations; but as each of the three desiderata will be constant for the whole series, the results, as now communicated, will serve equally for all *relative* purposes.

The several monthly determinations of the Horizontal Force were obtained from partial results on three days in each month in the years 1846, 1847, and 1848, and from weekly results in 1849 and 1850. Each result is accompanied by a corresponding reading of the Observatory Bifilar, whereby the means are furnished of deriving from the partial results in each month a mean value of the Horizontal Force in that month corresponding to the mean monthly reading of the Bifilar Magnetometer deduced from the hourly observations. By this means the influence of periodical variations and irregular disturbances to which the absolute determinations are subject is in great measure eliminated, whilst the trust reposed in the Bifilar at no time exceeds a portion of a month.

The following Table contains, 1°. The mean monthly values of the Horizontal Force, derived from the observations detailed partly in Vol. I. and partly in the present volume, and computed in the manner described in Captain Younghusband's memorandum prefixed to the observations in 1848, 1849, and 1850 at the close of this volume; 2°. The mean of the bifilar readings corresponding to the several partial results in each month, and the monthly mean readings of the Bifilar, both reduced to a common temperature; 3°. The corrections required to reduce the absolute values at the times of observation to the values corresponding to the mean bifilar reading in the month; and 4°. the (provisional) values of the Horizontal Force corresponding to the mean reading of the Observatory Bifilar in each month.

The difference in the results here given for the years 1846, 1847, and 1848 from those inserted in the abstract in Table X. of Vol. I. of the Hobarton Observations is occasioned

by the introduction of the term $\frac{1}{1 + \frac{P}{r^2}}$ and $\frac{1}{1 + \frac{P}{r_i^2}}$ as already stated, and of the corrections of r and r_i for variations of temperature in the recalculation now made.

HORIZONTAL FORCE.

xxxix

TABLE XXVII.

Dates.	Mean Monthly Values of the Horizontal Force.	Corresponding Readings of the Observatory Bifilar.	Monthly Mean Readings of the Observatory Bifilar.	Corrections of the Observed Values of the Horizontal Force to the Monthly Mean Readings of the Observatory Bifilar.		Horizontal Force, corresponding to the Monthly Mean Readings of the Observatory Bifilar.
		In Sc. Div.	In Sc. Div.	In Sc. Div.	In Absolute Measure.	
1846.						
January - - -	4'5088	238'3	236'9	+ 1'4	'0014	4'5074
February - - -	4'5216	236'2	236'4	- 0'2	'0002	4'5218
March - - -	4'5052	233'4	236'6	- 3'2	'0033	4'5085
April - - -	4'4992	151'8	159'4	- 7'6	'0074	4'5066
May - - -	4'5067	157'4	157'7	- 0'3	'0003	4'5070
June - - -	4'4990	157'3	160'8	- 3'5	'0034	4'5024
July - - -	4'5025	152'2	156'7	- 4'5	'0044	4'5069
August - - -	4'5047	154'8	156'2	- 1'4	'0014	4'5061
September - - -	4'5041	155'6	157'3	- 1'7	'0017	4'5058
October - - -	4'4971	149'8	160'1	-10'3	'0100	4'5072
November - - -	4'5076	164'7	164'5	+ 0'2	'0002	4'5074
December - - -	4'5081	167'9	167'8	+ 0'1	'0001	4'5080
1847.						
January - - -	4'5094	166'1	168'5	- 2'4	'0023	4'5117
February - - -	4'5079	166'2	166'7	- 0'5	'0005	4'5084
March - - -	4'4887	149'7	165'4	-15'7	'0153	4'5040
April - - -	4'4976	158'6	162'9	- 4'3	'0042	4'5018
May - - -	4'4995	160'5	162'9	- 2'4	'0023	4'5018
June - - -	4'5022	163'0	163'3	- 0'3	'0003	4'5025
July - - -	4'5016	160'2	160'9	- 0'7	'0007	4'5023
August - - -	4'5012	161'3	163'4	- 2'1	'0021	4'5033
September - - -	4'5018	162'1	162'2	- 0'1	'0001	4'5019
October - - -	4'4958	157'2	163'3	- 6'1	'0060	4'5018
November - - -	4'4922	155'2	164'6	- 9'4	'0092	4'5014
December - - -	4'5038	167'5	166'9	+ 0'6	'0006	4'5032
1848.						
January - - -	4'4983	162'4	168'1	- 5'7	'0056	4'5039
February - - -	4'5046	164'3	167'0	- 2'7	'0026	4'5072
March - - -	4'5028	167'5	167'5	- 0'0	'0001	4'5029
April - - -	4'4938	160'5	167'6	- 7'1	'0069	4'5007
May - - -	4'4996	164'5	167'5	- 3'0	'0029	4'5025
June - - -	4'4978	164'7	168'6	- 3'9	'0038	4'5016
July - - -	4'4963	162'1	165'0	- 2'9	'0028	4'4991
August - - -	4'4987	164'6	167'6	- 3'0	'0029	4'5016
September - - -	4'5025	165'1	169'1	- 4'0	'0039	4'5064
October - - -	4'4951	160'6	167'0	- 6'4	'0063	4'5013
November - - -	4'4977	165'9	170'8	- 4'9	'0048	4'5025
December - - -	4'5009	168'5	173'1	- 4'6	'0045	4'5054
1849.						
January - - -	4'5022	171'1	175'2	- 4'1	'0040	4'5062
February - - -	4'4999	168'0	174'1	- 6'1	'0060	4'5059
March - - -	4'4990	168'4	173'4	- 5'0	'0049	4'5039
April - - -	4'5013	168'6	171'9	- 3'3	'0032	4'5045
May - - -	4'4986	166'5	170'9	- 4'4	'0043	4'5029
June - - -	4'5009	167'6	170'0	- 2'4	'0023	4'5032

TABLE XXVII.—*continued.*

Dates.	Mean Monthly Values of the Horizontal Force.	Corresponding Readings of the Observatory Bifilar.	Monthly Mean Readings of the Observatory Bifilar.	Corrections of the Observed Values of the Horizontal Force to the Monthly Mean Readings of the Observatory Bifilar.		Horizontal Force corresponding to the Monthly Mean Readings of the Observatory Bifilar.
		In Sc. Div.	In Sc. Div.	In Sc. Div.	In Absolute Measure.	
1849— <i>continued.</i>						
July - - -	4·5024	167·4	170·0	— 2·6	·0025	4·5049
August - - -	4·4989	167·6	171·5	— 3·9	·0038	4·5027
September - - -	4·4975	166·1	171·0	— 4·9	·0048	4·5023
October - - -	4·4961	166·3	174·0	— 7·7	·0075	4·5036
November - - -	4·5000	171·6	175·5	— 3·9	·0038	4·5038
December - - -	4·4995	173·1	178·0	— 4·9	·0048	4·5043
1850.						
January - - -	4·5077	178·0	178·8	— 0·8	·0008	4·5085
February - - -	4·4995	171·9	175·7	— 3·8	·0037	4·5432
March - - -	4·4976	171·3	175·4	— 4·1	·0040	4·5016
April - - -	4·4989	170·3	174·4	— 4·1	·0040	4·5029
May - - -	4·5012	172·0	174·1	— 2·1	·0021	4·5033
June - - -	4·5016	169·6	172·6	— 3·0	·0029	4·5045
July - - -	4·4975	169·4	179·9	—10·5	·0102	4·5077
August - - -	4·5001	172·7	174·7	— 2·0	·0020	4·5021
September - - -	4·4998	170·4	175·1	— 4·7	·0046	4·5044
October - - -	4·4952	168·7	175·6	— 6·9	·0067	4·5019
November - - -	4·4977	173·2	178·8	— 5·6	·0055	4·5032
December - - -	4·5013	176·8	179·8	— 3·0	·0029	4·5042

Secular Change.—The monthly series with A 23, commencing in January 1846 and ending in December 1850, furnishes 60 equations of the form $X = X' + ay$, in which X is the most probable value of the Horizontal Force on the 1st July 1848; X' the observed Horizontal Force in any other month; a the interval in months between the date of X' and 1st July 1848, having a negative sign if earlier, and a positive sign if later, than the mean epoch; and y is the monthly secular change.

On an inspection of the monthly values of the Horizontal Force in Table XXVII. it is obvious that the observations in February 1846 were affected by some accidental error, the cause of which has not been reported, and was probably not discovered at the time; a mean of the results in the adjoining months January and March of the same year, 4·5080, has therefore been substituted for the Horizontal Force in February in Table XXVII.

Regarding each of the monthly determinations as of equal weight, (which is approximately but not strictly true,) the 60 equations treated by the method of least squares give $X = 4·5043$ (or more exactly 4·50427) as the most probable value of the force on the 1st July 1848, and $y = +·00005$ the mean monthly change, or $12y = +·0006$ the mean annual secular change (decreasing) of the Horizontal Force in the years from 1846 to 1850.

Annual Variation.—Table XXVIII. contains the monthly values of the Horizontal Force in the mean or typical year, commencing in January and ending in December 1848, derived from Table XXVII., by severally taking the means of the respective months in the years 1846 to 1850. Thus a mean of the values in the final column of Table XXVII. for January in the years 1846, 1847, 1848, 1849, and 1850 is placed in Table XXVIII. as a mean value corresponding to January 1848, and so forth. The differences shown by these monthly values include the effects both of secular change and of annual variation. We may eliminate the former, independently of other modes, by combining the values for January and December, February and November, &c., months equidistant from the mean epoch, July 1st. This is done in the second part of Table XXVIII., wherein the differences in the final column $X' - X$ are attributable (apart from observation errors) to annual variation alone, and show a maximum of horizontal force in the two midsummer months of December and January, with a generally progressive diminution to the opposite season. The irregularities of the progression may be expected to diminish, and possibly to disappear altogether, as the series of observations is continued.

If we compute the probable error of a single monthly determination from the values in the final column of Table XXVII., where they are uncorrected for secular change or annual variation, we find the probable error to be $\pm .00169$; if computed from the same values, corrected as above for secular change and annual variation, we find it to be $\pm .00125$. Viewed apart from the constant corrections which the *mean result* of the 60 monthly determinations has yet to receive, its probable error of observation is less than $\pm .0002$.

TABLE XXVIII.

Monthly Values of the Horizontal Force in the Mean or Typical Year, January to December 1848.

Months.	Horizontal Force.	Annual Variation.			Remarks.
		Months.	Mean Horizontal Force.	Differences $X' - X$.	
January - - -	4'50754	January and	4'50628 = X'	+ '00201	Midsummer.
February - - -	4'50654	December - }			
March - - -	4'50418	February and	4'50510 = X'	+ '00083	
April - - -	4'50330	November - }			
May - - -	4'50350	March and	4'50367 = X'	- '00060	
June - - -	4'50284	October - }			
July - - -	4'50418	April and	4'50373 = X'	- '00054	
August - - -	4'50316	September - }			
September - - -	4'50416	May and	4'50333 = X'	- '00094	
October - - -	4'50316	August . }			
November - - -	4'50366	June and	4'50351 = X'	- '00076	Midwinter.
December - - -	4'50502	July - - }			
Mean - - -	4'50427		4'50427 = X		

Annual and Diurnal Variations in the four seasons of the year.—In Tables XII., XIII., and XIV. of Vol. I., the Diurnal Variation of the horizontal force in each month of the year is derived from the hourly observations of the bifilar magnetometer, commencing January 1st, 1841 and ending September 30th, 1848. As the connexion of the bifilar observations from month to month, or between the different months, cannot be relied upon, the deduction in the tables referred to is that of the diurnal variation in each month relatively to the general mean position of the magnet in that particular month only, and with no reference to the position of the magnet at the same hours in other months or seasons. By combining the Diurnal Variation thus deduced with the Annual Variation which will be supplied by the series of monthly absolute determinations obtained by the Unifilar, when that series is complete, the means will be furnished of forming a representation of the mean monthly and hourly variations of the horizontal force similar to that of the declination in Table II. and Plate I. of the present volume. In the meantime, however, it appears desirable to furnish, for those who are engaged in the investigation of the physical causes of the periodical affections of the earth's magnetism, the best approximation to such a representation which the data already obtained will permit.

The Diurnal Variation for each month has been supplied by the hourly series continued for nearly eight years with probably as much precision as theoretical investigations will require; but the *annual variation for each month* will require a longer continuance of the unifilar series than the five years of which the results have been discussed in the preceding pages. Five years may however suffice to furnish a tolerably approximate representation of the variation of the horizontal force *in the different seasons of the year*, by substituting at the different hours of observation three monthly for monthly values, and presenting them in a similar form to Plate I. of the declination. From Table XXVIII. of the present volume we obtain, after applying the small corrections required for secular change, the mean values of the horizontal force in absolute measure in the four seasons as follows:

Periods.	Values of the Horizontal Force.	X' - X.
Summer:—December, January, February - - -	4'50618 = X'	+ '00191
Autumn:—March, April, May - - - - -	4'50355 = X'	- '00072
Spring:—September, October, November - - -	4'50384 = X'	- '00043
Winter:—June, July, August - - - - -	4'50342 = X'	- '00085
General Mean - - -	4'50427 = X	

The Diurnal Variation in each of the three monthly periods is obtained from the monthly values of the variation in Table XIV. of Vol. I., substituting for the record in that table, which is in parts of the horizontal force at the station, the equivalent values in absolute measure.

Table XXIX. contains the differences between the mean values of the horizontal force at the different observation hours in each season or quarter of the year, and its general mean value 4'50427. The sign + implies that the force is greater than the general mean, and — that it is less.

TABLE XXIX.

Differences between the Mean Value of the Horizontal Force at the different Observation Hours in each season of the Year, and the general Mean Value of the Force. The differences are expressed in absolute measure.

Hobarton Astronomical Time.	Summer.	Spring.	Autumn.	Winter.	Hobarton Astronomical Time.	Summer.	Spring.	Autumn.	Winter.
Hours.					Hours.				
12	+ '00286	+ '00065	+ '00027	- '00071	0	- '00192	- '00435	- '00473	- '00364
13	+ '00268	+ '00043	+ '00032	- '00053	1	+ '00047	- '00228	- '00365	- '00369
14	+ '00236	+ '00056	+ '00032	- '00035	2	+ '00277	- '00011	- '00221	- '00283
15	+ '00223	+ '00029	+ '00041	- '00026	3	+ '00457	+ '00101	- '00067	- '00166
16	+ '00209	+ '00025	+ '00032	- '00004	4	+ '00515	+ '00155	+ '00009	- '00071
17	+ '00191	+ '00047	+ '00036	+ '00019	5	+ '00524	+ '00155	+ '00059	- '00027
18	+ '00182	+ '00043	+ '00041	+ '00032	6	+ '00457	+ '00114	+ '00045	- '00031
19	+ '00065	- '00025	+ '00005	+ '00050	7	+ '00425	+ '00101	+ '00058	- '00044
20	- '00075	- '00146	- '00081	+ '00068	8	+ '00416	+ '00097	+ '00062	- '00058
21	- '00259	- '00345	- '00230	+ '00023	9	+ '00367	+ '00070	+ '00049	- '00080
22	- '00376	- '00480	- '00396	- '00099	10	+ '00353	+ '00065	+ '00041	- '00067
23	- '00349	- '00525	- '00487	- '00238	11	+ '00308	+ '00065	+ '00032	- '00076

Plate IV. represents the Annual and Diurnal Variations of the Horizontal Force, as they are shown by the mean values of the force, at the different observation hours in the four seasons of the year. The dark vertical lines show for each of the observation hours the range of the horizontal force at the different seasons, the small cross lines mark the positions of the different seasons in the respective ranges, the seasons being indicated by their initial letters, S. A. W. Sp. Faint dotted lines have been drawn connecting the cross lines which have the same initial character, showing the mean Diurnal Variation in each season. The mean value of the force in each season is also shown by a horizontal line of the same description.

It is seen by this plate that during much the greater part of the year the horizontal force, from about 4 P. M. to 6 A. M., is above its general mean value; and is wholly below its general mean value at all seasons of the year at noon and for two hours before noon. The annual range (so far as it may be collected from quarterly means) is greatest at 3 P. M., and progressively diminishes to 7 A. M., when it is least. The decrease of the force in the forenoon, and its subsequent increase in the afternoon, are the principal features in the diurnal change. The change in both respects takes place earliest in summer and latest in winter. The period of minimum is about three hours earlier in summer than in winter. From midnight to 8 A. M. the force in winter progressively increases, whilst at the same hours in summer it progressively decreases; in the spring and autumn there is scarcely any change from midnight to 6 A. M.

MAGNETIC INCLINATION.

Vol. I. pp. 330 to 349 contained the details of a series of monthly determinations of the Inclination, commencing in January 1841 and ending in December 1847; the present volume contains the details of the continuation of the series to December 1850.

From the results of these observations we may obtain a mean value for the South Inclination in each of the months of a mean or typical year as follows :

TABLE XXX.

Months.	Number of Years.	Mean Values of the South Inclination.	Differences from the Mean; (or Annual Variation.)
January - - -	10	70° 36' 85	+ 0' 84
February - - -	10	70 36' 87	+ 0' 86
March - - -	10	70 37' 34	+ 1' 33
April - - -	10	70 36' 64	+ 0' 63
May - - -	10	70 36' 47	+ 0' 46
June - - -	10	70 34' 49	- 1' 52
July - - -	10	70 35' 59	- 0' 42
August - - -	10	70 33' 91	- 2' 10
September - - -	9	70 35' 43	- 0' 58
October - - -	10	70 35' 59	- 0' 42
November - - -	10	70 36' 45	+ 0' 44
December - - -	10	70 36' 49	+ 0' 48
General Mean - - -	- - -	70 36' 01	

Collecting the results into quarterly periods we have as follows :

TABLE XXXI.

Periods.	Values of the Inclination.	$\theta - \theta$
Summer :—December, January, February - - -	70° 36' 74 = θ'	+ 0' 73
Autumn :—March April, May - - -	70 36' 82 = θ'	+ 0' 81
Spring :—September, October, November - - -	70 35' 82 = θ'	- 0' 19
Winter :—June, July, August - - -	70 34' 66 = θ'	- 1' 35
General Mean - - -	70 36' 01 = θ	

The probable error of the mean values for the different seasons in Table XXXI. is as follows :—

$$\begin{array}{ll} \text{Summer} \pm 0' 48 & \text{Winter} \pm 0' 54 \\ \text{Autumn} \pm 0' 49 & \text{Spring} \pm 0' 53 \end{array}$$

There is therefore a very high degree of probability in favour of the existence of an Annual Variation of the Inclination at Hobarton, the dip of the south end of the needle being greatest in summer, or when the sun is in the southernmost signs, and least in winter, or when he is in the northernmost signs. More exact monthly values of this variation will be furnished when the series of the observations of the Inclination is concluded. The indication afforded by the series, as far as we at present possess the results (including the addition of the part of the series contained in this volume), is to the same effect, and as nearly as possible to the same amount, as that drawn in the first volume (page lxxv) from the results up to the end of 1848.

Table XXII. (page lxxi) of the first volume of the Hobarton Observations contains the mean *Diurnal* Variation of the Inclination in every month of the year, derived from the hourly observations of the bifilar and vertical force magnetometers combined. Collecting the monthly into quarterly mean values, and employing them conjointly with the Annual Variation in quarterly periods in Table XXXI. (the correction for secular change being so small that it may be practically disregarded), we have the following Table, showing the mean Annual and Diurnal Variations of the Inclination at the several observation hours in the different seasons of the year; the monthly representation of the phenomena being postponed until the series of monthly determinations of the Inclination shall be completed.

TABLE XXXII.

Annual and Diurnal Variation of the Inclination at the different Observation Hours in the four Seasons of the Year. The sign + implies that the South Inclination is greater, and - that it is less, than the Mean Value of the Inclination in the Year including all the Hours and all the Seasons.

Hobarton Astronomical Time.	Summer.	Autumn.	Winter.	Spring.	Hobarton Astronomical Time.	Summer.	Autumn.	Winter.	Spring.
12	+ 0'48	+ 0'61	- 1'30	- 0'44	0	+ 1'74	+ 1'77	- 0'74	+ 0'81
13	+ 0'53	+ 0'60	- 1'35	- 0'40	1	+ 1'16	+ 1'60	- 0'64	+ 0'36
14	+ 0'54	+ 0'57	- 1'41	- 0'48	2	+ 0'64	+ 1'30	- 0'77	- 0'15
15	+ 0'56	+ 0'49	- 1'45	- 0'44	3	+ 0'20	+ 0'96	- 1'01	- 0'42
16	+ 0'57	+ 0'47	- 1'56	- 0'46	4	+ 0'07	+ 0'76	- 1'26	- 0'51
17	+ 0'56	+ 0'42	- 1'67	- 0'58	5	+ 0'08	+ 0'64	- 1'39	- 0'51
18	+ 0'54	+ 0'38	- 1'74	- 0'62	6	+ 0'28	+ 0'65	- 1'37	- 0'40
19	+ 0'78	+ 0'44	- 1'83	- 0'47	7	+ 0'34	+ 0'59	- 1'34	- 0'38
20	+ 1'14	+ 0'64	- 1'93	- 0'16	8	+ 0'32	+ 0'60	- 1'31	- 0'40
21	+ 1'65	+ 1'01	- 1'86	+ 0'40	9	+ 0'43	+ 0'60	- 1'23	- 0'34
22	+ 2'04	+ 1'48	- 1'54	+ 0'80	10	+ 0'42	+ 0'62	- 1'29	- 0'37
23	+ 2'06	+ 1'74	- 1'13	+ 0'98	11	+ 0'49	+ 0'63	- 1'27	- 0'40

The annual and diurnal variations in this Table are represented graphically in Plate V. Fig. 1., on the same principle as the annual and diurnal variations of the Declination in Plate I.

TOTAL FORCE.

In Absolute Measure.—The *final* determination of the total Force in Absolute Measure must necessarily await a knowledge of the true values of the three constants which are yet required for the final determination of the horizontal component (page xxxvii). Its *provisional* amount computed from the mean values of the horizontal force in page xl and of the inclination in page xlv may be taken approximately at $4.5043 \text{ sec. } 70^{\circ} 36' = 13.5606$.

Annual and Diurnal Variations.—For the reasons already assigned in discussing the Annual Variations of the Horizontal Force and Inclination, the deduction of the Annual Variation of the Total Force from the *monthly* results is postponed until the series of Absolute Monthly Determinations of the Horizontal Force and Inclination shall be completed. For the mean values of the Total Force in the *four seasons* we have as follows :

Summer,	4.5062 . sec.	$70^{\circ} 36' 73'' = 13.5745 = \phi'$
Autumn,	4.5036 . sec.	$70^{\circ} 36' 81'' = 13.5676 = \phi'$
Spring,	4.5039 . sec.	$70^{\circ} 35' 81'' = 13.5573 = \phi'$
Winter,	4.5035 . sec.	$70^{\circ} 34' 65'' = 13.5431 = \phi'$
		<u>General Mean = 13.5606 = ϕ</u>

The values of $\phi' - \phi$ constitute the Annual Variation as derived from the mean results of the observations of the Horizontal Force and of the Inclination in the respective seasons ;

Summer,	$\phi' - \phi = + .0139$
Autumn,	$\phi' - \phi = + .0070$
Spring,	$\phi' - \phi = - .0033$
Winter,	$\phi' - \phi = - .0175$

The total Magnetic Force is greatest in summer, or when the sun is in the southern signs ; least in winter, or when he is in the northern signs ; and intermediate in both spring and autumn, when the sun is in the vicinity of the equator. This conclusion is derived from ten years of monthly determinations of the Inclination and five years of monthly determinations of the Absolute Horizontal Force, and is independent of a correct knowledge of the constants which in the latter series yet remain to be investigated for precise values.

The numerical values of the Annual Variation as given above may, and most probably will, receive slight modifications from the continuation of the two constituent series during the years 1851 and 1852 ; but it is extremely improbable that conclusions obtained from so large a body of results, the consistency of which is manifested by the amounts of their respective probable errors, should undergo any material change. The fact of the existence of an Annual Variation in the intensity of the Total Force at Hobarton, and the general nature of that Variation, may be considered as established.

Table XXIII. page lxxii. of Vol. I. of the Hobarton Observations contains the mean *diurnal* variation of the Total Magnetic Force in every month of the year, derived from the hourly observations of the Bifilar and Vertical Force Magnetometers combined. Collecting

the monthly into quarterly mean values, converting these from parts of the Force at the Station into values expressed in Absolute Measure, and employing the latter conjointly with the annual variation in the same seasons, we obtain the following table, showing the mean Annual and Diurnal Variations of the Total Force at the several observation hours in the different seasons of the year.

The representation of the mean Annual and Diurnal Variation in each separate month is deferred until the two constituent series shall be completed.

TABLE XXXIII.

Annual and Diurnal Variation of the Total Force in Absolute Measure at the different Observation Hours in the four Seasons.

Hobarton Astronomical Time.	Summer.	Autumn.	Winter.	Spring.	Hobarton Astronomical Time.	Summer.	Autumn.	Winter.	Spring.
Hours.									
12	+ '0139	+ '0077	- '0168	- '0030	0	+ '0142	+ '0065	- '0185	- '0037
13	+ '0138	+ '0074	- '0168	- '0033	1	+ '0150	+ '0075	- '0172	- '0025
14	+ '0131	+ '0070	- '0171	- '0037	2	+ '0155	+ '0085	- '0164	- '0018
15	+ '0127	+ '0063	- '0174	- '0041	3	+ '0158	+ '0090	- '0159	- '0015
16	+ '0124	+ '0059	- '0178	- '0045	4	+ '0159	+ '0089	- '0160	- '0011
17	+ '0119	+ '0054	- '0182	- '0052	5	+ '0162	+ '0090	- '0164	- '0010
18	+ '0111	+ '0051	- '0186	- '0057	6	+ '0165	+ '0088	- '0166	- '0010
19	+ '0107	+ '0047	- '0191	- '0062	7	+ '0162	+ '0085	- '0166	- '0013
20	+ '0109	+ '0047	- '0195	- '0062	8	+ '0159	+ '0084	- '0166	- '0017
21	+ '0113	+ '0047	- '0201	- '0059	9	+ '0155	+ '0081	- '0164	- '0018
22	+ '0121	+ '0052	- '0197	- '0052	10	+ '0151	+ '0081	- '0166	- '0022
23	+ '0134	+ '0058	- '0191	- '0045	11	+ '0149	+ '0077	- '0167	- '0026

The Annual and Diurnal Variations in this table are represented graphically in Plate V. Fig. 2., on the same principle as those of the Declination in Plate I. and of the Inclination in Plate V. Fig. 1.

The continuation of the series of Absolute Determinations in 1849 and 1850, which is added in this volume to the series in preceding years contained in the first volume, is confirmatory therefore of the general conclusion stated in the Phil. Trans. for 1850, Art. ix. p. 216, that in the months from October to February the magnetic needle at Hobarton is more vertical, and from April to August more horizontal than its mean position; and that the Total Force is greatest from October to February, and least from April to August.

VARIATION OF THE DIURNAL RANGE.

The following tables show the inequality or variation in the amount of the mean diurnal range of the magnetic elements in different years, and in different seasons of those years. The general tables in which the hourly observations of the magnetometers are recorded exhibit the mean monthly diurnal variation for each month. The extreme east and west positions of the magnet in the case of the Declination, and the highest and lowest values of the force in the case of the horizontal and vertical force (after the readings have been reduced to an uniform temperature of the magnet), occurring at any two hours in the monthly means, indicate the average magnitude or range of the diurnal variation of the respective elements in that month. The subjoined tables show the means of those average magnitudes or ranges in the four months constituting the respective seasons, and in the twelve months constituting the year, in each of the years in which the hourly observations have been made.

TABLE XXXIV.

Mean magnitude of the diurnal range of the Declination from 1841 to 1848 inclusive.

Years.	Winter.	Spring and Autumn.	Summer.	Mean of the whole Year.	Years.
	May, June, July, August.	March, April, September, October.	January, February, November, December.		
1841	4.94	8.77	11.13	8.28	1841
1842	4.55	8.14	10.56	7.75	1842
1843	4.50	7.80	10.67	7.66	1843
1844	4.30	8.45	10.77	7.84	1844
1845	4.39	8.61	12.16	8.39	1845
1846	5.10	9.50	12.58	9.06	1846
1847	5.38	10.97	13.43	9.93	1847
1848	7.09	11.01	16.20	11.43	1848

TABLE XXXV.

Mean magnitude of the diurnal range of the Horizontal Force from 1841 to 1848 inclusive, in parts of the horizontal force.

Years.	Winter.	Spring and Autumn.	Summer.	Mean of the whole Year.	Years.
	May, June, July, August.	March, April, September, October.	January, February, November, December.		
1841	.00072	.00165	.00245	.00161	1841
1842	.00101	.00127	.00172	.00133	1842
1843	.00107	.00140	.00151	.00133	1843
1844	.00102	.00150	.00160	.00137	1844
1845	.00090	.00155	.00216	.00154	1845
1846	.00122	.00167	.00213	.00167	1846
1847	.00116	.00209	.00245	.00190	1847
1848	.00148	.00201	.00300	.00216	1848

VARIATION OF THE DIURNAL RANGE.

xlix

TABLE XXXVI.

Mean magnitude of the diurnal range of the Vertical Force from 1842 to 1848 inclusive, in parts of the vertical force.

Years.	Winter.	Spring and Autumn.	Summer.	Mean of the whole Year.	Years.
	May, June, July, August.	March, April, September, October.	January, February, November, December.		
1842	·00056	·00063	·00065	·00061	1842
1843	·00042	·00046	·00051	·00046	1843
1844	·00036	·00036	·00041	·00038	1844
1845	·00039	·00032	·00038	·00036	1845
1846	·00041	·00043	·00037	·00040	1846
1847	·00038	·00044	·00051	·00044	1847
1848	·00040	·00042	·00068	·00050	1848

TABLE XXXVII.

Mean magnitude of the diurnal range of the Inclination from 1842 to 1848 inclusive.

Years.	Winter.	Spring and Autumn.	Summer.	Mean of the whole Year.	Years.
	May, June, July, August.	March, April, September, October.	January, February, November, December.		
1842	1·37	1·59	1·69	1·55	1842
1843	1·43	1·68	1·58	1·56	1843
1844	1·39	1·76	1·72	1·62	1844
1845	1·25	1·78	2·42	1·85	1845
1846	1·62	2·04	2·36	2·01	1846
1847	1·54	2·45	2·70	2·23	1847
1848	1·92	2·40	3·27	2·53	1848

TABLE XXXVIII.

Mean magnitude of the diurnal range of the Total Force from 1842 to 1848 inclusive, in parts of the Force.

Years.	Winter.	Spring and Autumn.	Summer.	Mean of the whole Year.	Years.
	May, June, July, August.	March, April, September, October.	January, February, November, December.		
1842	·00048	·00057	·00065	·00057	1842
1843	·00057	·00043	·00049	·00050	1843
1844	·00029	·00033	·00038	·00033	1844
1845	·00031	·00031	·00036	·00033	1845
1846	·00033	·00038	·00039	·00037	1846
1847	·00031	·00040	·00049	·00040	1847
1848	·00032	·00039	·00063	·00045	1848

Woolwich, March 1852.

EDWARD SABINE.

VAN DIEMEN ISLAND, 1843.

MAGNETICAL OBSERVATIONS.

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0' 71. Increasing Numbers denote increasing Easterly Declination.													
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8.	9h.	10h.	11h.	
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	—	—	—	84' 4	83' 5	83' 1	76' 1	78' 9	80' 4	79' 3	78' 4	—
	2	73' 1	77' 4	77' 4	78' 0	76' 0	75' 3	82' 2	79' 9	75' 4	76' 5	72' 3	74' 0
	3	76' 6	79' 5	81' 0	80' 3	80' 6	79' 3	85' 5	80' 6	78' 5	76' 6	76' 2	73' 7
	4	81' 8	81' 8	81' 8	81' 1	80' 8	80' 4	79' 7	79' 7	78' 0	76' 5	75' 2	73' 3
	5	81' 6	80' 4	79' 5	80' 6	80' 0	80' 0	80' 4	80' 8	79' 4	78' 2	76' 0	75' 2
	6	82' 2	82' 0	82' 0	80' 9	80' 8	81' 7	81' 4	81' 4	79' 3	78' 5	76' 2	74' 1
	7	83' 8	81' 9	81' 0	—	—	—	—	—	—	—	—	—
	8	—	—	—	81' 4	79' 6	78' 8	81' 0	79' 3	79' 0	77' 0	75' 6	75' 4
	9	82' 0	83' 0	81' 2	79' 0	80' 7	80' 3	80' 3	81' 4	79' 1	77' 8	77' 8	77' 0
	10	82' 7	82' 3	81' 2	80' 9	81' 5	81' 2	79' 0	79' 9	79' 1	75' 7	73' 6	70' 2
	11	83' 5	82' 7	82' 0	82' 4	82' 4	80' 3	80' 6	79' 5	88' 0	77' 4	73' 3	72' 0
	12	81' 6	82' 2	82' 1	81' 7	81' 2	81' 0	80' 5	80' 2	78' 0	76' 3	73' 0	72' 9
	13	82' 3	82' 0	81' 6	82' 6	81' 9	81' 0	80' 9	79' 2	—	76' 5	74' 6	72' 9
	14	82' 3	82' 5	82' 2	—	—	—	—	—	—	—	—	—
	15	—	—	—	83' 0	82' 7	83' 4	81' 0	80' 3	77' 5	75' 9	73' 1	—
	16	81' 5	78' 6	80' 3	79' 2	—	78' 6	78' 1	77' 0	75' 2	70' 4	70' 0	71' 5
	17	82' 0	81' 2	80' 8	81' 0	79' 3	79' 4	77' 1	77' 0	—	74' 7	73' 0	71' 9
	18	80' 8	80' 1	79' 9	78' 6	78' 7	80' 1	78' 9	78' 7	75' 8	75' 9	75' 1	75' 2
	19	81' 2	80' 8	81' 6	80' 4	80' 9	80' 5	80' 0	80' 4	79' 5	78' 9	77' 3	75' 0
	20	82' 2	81' 5	79' 4	79' 3	81' 6	80' 8	80' 3	80' 4	78' 0	76' 6	73' 8	73' 6
	21	81' 4	81' 5	81' 4	—	—	—	—	—	—	—	—	—
	22	—	—	—	—	80' 1	79' 2	78' 9	79' 3	79' 3	77' 0	74' 8	74' 5
	23	80' 2	80' 4	81' 0	81' 1	80' 2	81' 0	79' 8	80' 0	80' 3	78' 2	76' 4	74' 2
	24	82' 2	81' 9	81' 3	81' 3	—	—	80' 8	80' 5	79' 1	77' 4	75' 8	77' 2
	25	81' 5	81' 5	82' 0	79' 9	80' 6	80' 6	81' 2	80' 1	79' 3	75' 8	72' 4	71' 9
	26	82' 4	82' 4	82' 4	81' 0	81' 3	81' 5	81' 7	82' 7	82' 1	78' 9	76' 6	75' 8
	27	81' 8	81' 8	82' 0	81' 8	80' 2	79' 7	79' 2	78' 8	76' 7	74' 7	73' 1	71' 7
	28	80' 2	82' 7	82' 1	—	—	—	—	—	—	—	—	—
	29	—	—	—	80' 0	81' 4	81' 0	80' 7	76' 9	77' 8	75' 9	72' 1	73' 5
	30	82' 6	80' 6	82' 5	81' 6	81' 5	81' 4	81' 3	82' 1	80' 1	78' 1	77' 9	76' 4
31	80' 1	82' 0	83' 0	81' 7	—	81' 0	82' 0	80' 1	—	—	73' 3	72' 8	
Hourly Means	81' 29	81' 33	81' 26	80' 89	80' 73	80' 41	80' 32	79' 82	78' 95	76' 72	74' 70	73' 84	
FEBRUARY.	1	81' 6	81' 2	81' 2	80' 7	81' 1	80' 9	80' 7	80' 8	79' 9	77' 0	75' 0	73' 6
	2	81' 9	81' 4	81' 7	80' 8	84' 8	80' 7	80' 9	80' 1	79' 1	77' 7	76' 2	75' 0
	3	82' 5	81' 5	82' 0	81' 4	81' 3	81' 6	81' 5	81' 5	80' 7	79' 8	77' 2	75' 7
	4	82' 6	82' 4	81' 8	—	—	—	—	—	—	—	—	—
	5	—	—	—	88' 6	82' 0	82' 3	82' 5	82' 6	82' 5	80' 8	77' 1	73' 6
	6	83' 3	81' 2	77' 0	77' 3	81' 9	80' 1	80' 9	83' 2	84' 8	84' 0	83' 4	73' 3
	7	78' 2	78' 2	76' 6	80' 2	80' 0	83' 5	85' 1	87' 5	81' 5	79' 3	78' 4	77' 1
	8	82' 4	81' 6	82' 1	81' 9	80' 6	80' 7	81' 2	81' 5	80' 4	78' 7	77' 2	75' 2
	9	83' 4	83' 1	82' 0	78' 5	79' 0	78' 7	78' 7	80' 6	80' 0	79' 0	77' 9	77' 8
	10	83' 4	81' 2	—	80' 7	82' 4	82' 1	81' 7	81' 2	81' 7	80' 2	78' 2	76' 4
	11	82' 9	82' 8	82' 0	—	—	—	—	—	—	—	—	—
	12	—	—	—	83' 0	81' 9	81' 5	81' 5	81' 4	80' 0	78' 9	76' 9	74' 0
	13	84' 0	83' 5	83' 0	81' 0	80' 9	79' 9	78' 4	79' 0	78' 2	77' 6	75' 2	78' 4
	14	81' 1	77' 4	75' 7	82' 8	82' 3	81' 0	82' 3	85' 0	83' 2	85' 1	81' 5	—
	15	83' 5	82' 0	78' 6	80' 3	83' 3	86' 0	85' 3	85' 1	83' 3	81' 4	79' 2	77' 5
	16	82' 5	82' 5	83' 4	82' 2	84' 0	83' 6	84' 2	84' 2	90' 3	84' 4	80' 1	77' 9
	17	83' 6	83' 2	83' 0	82' 4	82' 8	82' 6	87' 7	82' 0	—	79' 5	79' 0	76' 7
	18	84' 7	84' 2	88' 3	—	—	—	—	—	—	—	—	—
	19	—	—	—	84' 2	83' 8	85' 1	86' 4	82' 4	82' 2	80' 7	78' 9	78' 2
	20	84' 5	83' 0	82' 8	83' 2	84' 1	86' 2	86' 8	84' 2	83' 9	83' 3	80' 0	78' 8
	21	85' 0	84' 6	82' 9	83' 3	84' 1	83' 9	84' 2	84' 5	—	84' 3	82' 8	81' 3
	22	84' 4	84' 7	82' 7	81' 0	82' 8	84' 2	84' 8	85' 0	84' 2	83' 7	82' 6	79' 6
	23	85' 3	84' 6	83' 1	82' 8	83' 9	84' 0	84' 7	84' 2	85' 4	83' 7	81' 4	78' 8
	24	81' 4	78' 6	74' 1	67' 4	69' 1	82' 4	—	78' 2	81' 3	79' 2	80' 3	78' 8
	25	82' 4	84' 6	85' 2	—	—	—	—	—	—	—	—	—
	26	—	—	—	85' 2	85' 1	86' 0	86' 4	85' 8	84' 3	82' 6	80' 1	77' 8
	27	85' 8	85' 7	85' 0	84' 2	84' 2	83' 7	84' 3	83' 9	84' 0	81' 8	80' 0	78' 9
	28	86' 2	85' 2	84' 7	84' 8	84' 7	85' 0	84' 9	84' 5	84' 5	83' 5	81' 5	78' 5
Hourly Means	83' 19	82' 43	81' 47	81' 58	82' 09	82' 74	83' 22	82' 85	82' 52	81' 09	79' 17	77' 08	

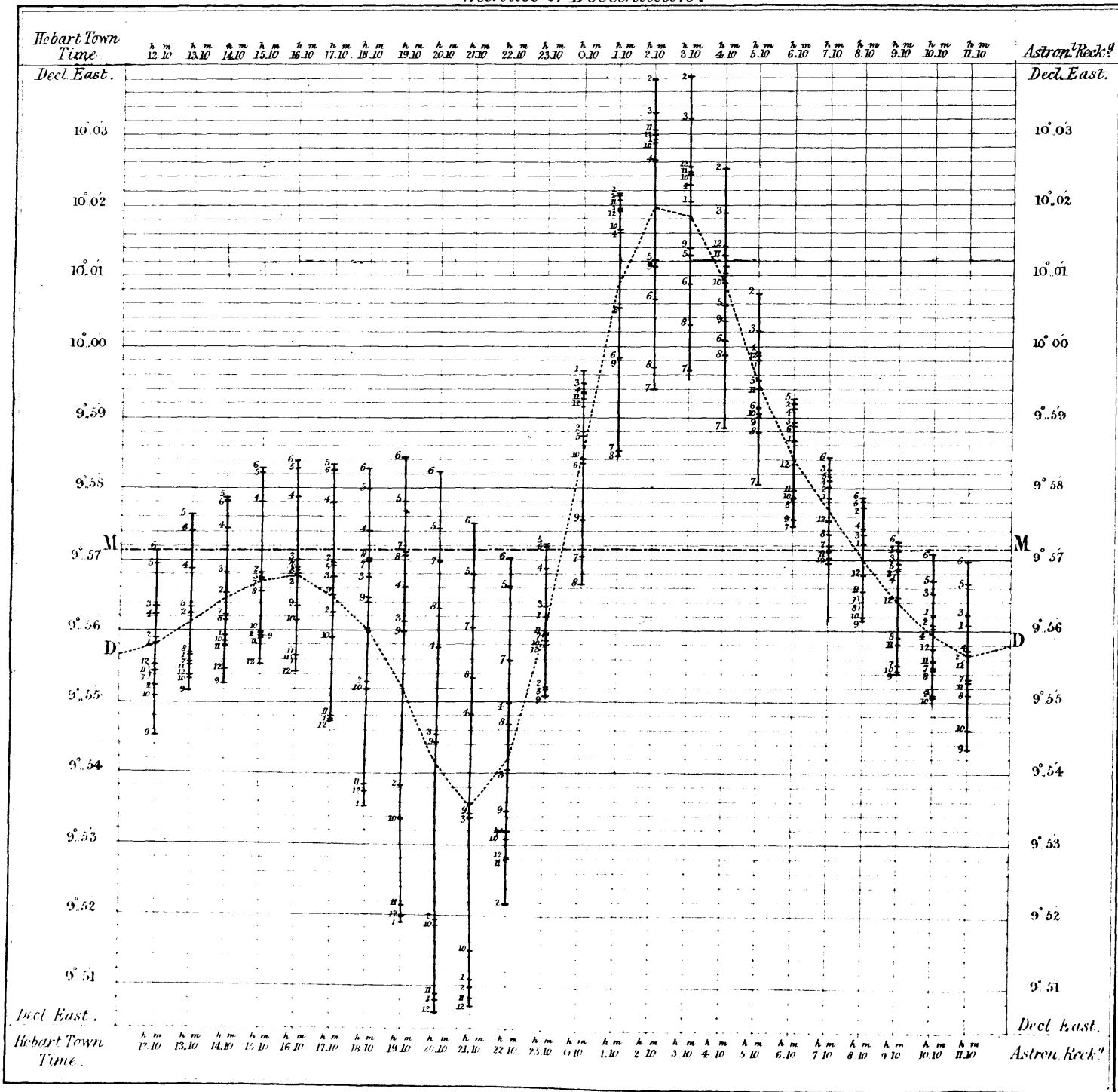
DECLINATION.

Angular Value of one Scale Division of the Declinometer = 0'.71. Increasing Numbers denote increasing Easterly Declination.

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.
—	—	81.5	86.3	90.0	90.5	90.1	88.1	86.2	83.2	82.8	81.1	83.55
76.7	80.2	82.5	87.3	90.1	89.1	87.9	87.1	84.8	82.4	81.8	80.2	80.32
74.3	76.2	80.0	84.9	89.3	90.7	89.4	87.2	84.7	82.8	82.3	81.9	81.34
70.4	73.2	76.9	82.1	86.6	88.3	87.6	87.2	84.6	82.8	82.0	80.8	80.53
75.1	77.7	79.5	82.6	87.0	87.1	84.7	85.0	84.4	83.2	82.6	82.4	80.98
73.4	75.0	77.7	82.2	86.5	89.2	89.6	87.9	86.6	85.9	84.7	84.1	81.80
—	—	—	—	—	—	—	—	—	—	—	—	—
75.9	78.7	81.4	82.6	85.0	86.9	86.4	85.5	82.7	82.6	82.5	82.2	81.09
77.3	79.7	81.8	83.3	85.4	86.5	85.5	84.6	82.9	82.8	82.8	82.8	81.43
74.5	77.0	79.7	84.8	87.2	86.5	86.1	84.8	84.8	83.8	83.8	83.7	81.00
74.1	77.9	80.9	84.3	87.7	86.8	85.5	83.7	82.5	82.1	82.0	82.3	81.41
74.3	79.2	83.7	86.0	89.9	89.6	88.2	85.7	84.2	83.5	82.9	82.8	81.70
74.1	77.1	81.4	86.5	89.4	90.0	89.0	86.4	83.7	82.7	82.7	82.7	81.79
—	—	—	—	—	—	—	—	—	—	—	—	—
—	78.3	83.7	87.1	89.7	89.1	86.3	82.8	81.6	81.3	81.4	81.3	82.11
73.5	77.2	81.9	84.9	88.1	87.0	86.6	83.8	80.8	81.8	81.5	82.5	79.56
73.7	77.3	81.6	86.0	89.8	91.1	89.9	85.2	—	81.6	81.1	79.7	80.65
75.6	76.7	79.6	84.1	87.0	87.7	85.8	84.0	83.3	82.5	82.3	81.2	80.32
75.7	77.5	81.9	85.3	88.1	90.8	89.5	86.8	84.7	83.1	82.6	82.8	81.89
75.1	76.8	79.0	80.7	82.7	84.1	85.5	85.5	83.6	82.8	82.4	82.1	80.32
—	—	—	—	—	—	—	—	—	—	—	—	—
76.8	76.3	77.5	80.0	83.8	83.8	82.6	81.5	80.6	81.2	81.4	81.8	79.77
75.0	80.0	79.8	83.3	88.5	87.7	83.3	86.5	86.1	83.8	84.2	82.8	81.41
77.8	79.2	81.5	83.6	86.2	87.1	87.8	84.5	83.3	81.9	79.8	80.8	81.41
73.5	76.5	78.8	82.1	84.7	87.3	86.8	85.6	83.4	81.9	82.8	82.1	80.51
76.8	79.0	82.2	85.6	88.2	87.1	85.9	84.5	83.5	82.4	82.5	82.4	82.04
73.0	75.8	82.0	85.8	87.1	88.3	86.2	84.8	83.7	82.0	83.2	83.0	80.68
—	—	—	—	—	—	—	—	—	—	—	—	—
78.7	82.1	86.5	89.5	91.8	89.7	87.7	85.9	84.3	84.2	84.1	80.9	82.07
77.4	80.5	82.6	85.0	87.4	86.3	85.2	85.3	83.4	82.0	81.4	80.7	81.80
—	77.7	80.7	86.2	88.2	87.1	85.5	85.4	85.2	82.9	82.6	81.5	81.95
75.11	77.80	80.97	84.52	87.61	87.98	86.84	85.38	83.83	82.71	82.43	81.95	81.21
74.8	77.7	84.0	89.6	92.2	91.0	88.1	87.2	85.2	82.8	82.6	82.0	82.12
76.3	79.0	81.4	84.9	87.6	88.2	87.7	86.2	83.9	82.7	82.6	83.2	81.83
75.2	77.5	82.6	86.6	89.2	88.6	87.8	86.0	84.3	83.8	82.8	82.7	82.24
—	—	—	—	—	—	—	—	—	—	—	—	—
73.6	75.6	78.3	84.1	88.0	90.3	89.4	88.3	85.9	83.9	84.4	83.6	82.67
71.2	74.5	77.6	84.1	86.8	90.2	91.4	89.2	86.8	85.5	82.8	82.0	82.20
76.1	79.6	82.0	83.5	87.4	89.5	89.1	87.0	85.0	84.1	83.2	82.7	82.28
75.6	77.0	78.5	81.0	85.9	87.9	88.5	88.4	86.4	84.6	84.1	83.7	81.88
78.5	82.0	83.7	85.6	87.2	87.8	87.9	87.4	87.1	85.5	84.5	84.7	82.53
77.5	80.6	82.5	85.6	87.4	—	87.6	86.4	84.1	82.7	82.7	82.8	82.23
—	—	—	—	—	—	—	—	—	—	—	—	—
75.9	79.5	83.2	88.8	91.3	92.0	90.4	89.2	87.8	85.0	84.9	84.6	83.31
75.8	80.1	84.3	88.3	92.9	94.9	93.8	87.1	87.4	86.3	84.6	83.0	83.23
—	80.4	81.8	85.4	87.7	89.2	89.8	88.0	86.5	85.4	84.1	83.8	83.61
75.7	76.7	86.8	84.3	88.7	91.2	91.1	89.8	87.8	86.0	84.8	84.0	83.85
75.7	76.7	79.5	84.8	90.4	94.0	94.7	91.6	89.0	86.6	85.0	84.2	84.65
77.4	77.4	79.3	84.5	88.6	90.9	91.8	90.4	88.1	86.6	86.0	85.4	83.87
—	—	—	—	—	—	—	—	—	—	—	—	—
76.2	78.6	81.0	86.7	90.5	91.9	91.9	90.3	89.5	86.8	85.6	85.1	84.51
77.2	82.0	83.8	86.4	89.6	90.5	91.6	91.3	89.3	87.1	84.9	84.0	84.94
79.0	79.9	83.6	87.3	89.8	90.3	89.5	88.5	87.0	86.4	86.0	85.8	84.96
79.0	80.3	83.2	85.0	88.9	90.3	90.0	88.7	87.0	85.7	85.8	85.6	84.55
77.5	77.2	81.0	85.3	90.0	93.3	93.0	92.4	90.6	87.5	82.3	82.9	84.79
—	80.9	86.4	89.0	93.6	95.1	93.5	91.7	89.7	87.7	86.5	86.8	83.26
—	—	—	—	—	—	—	—	—	—	—	—	—
76.3	77.5	82.8	87.1	91.1	94.4	93.8	91.8	89.6	87.2	87.3	86.8	85.47
77.0	79.9	85.0	91.3	95.6	97.0	95.0	92.6	88.7	87.0	87.4	87.1	86.05
76.4	78.5	84.6	90.1	93.8	—	—	—	91.3	89.5	89.5	88.6	85.25
76.27	78.71	82.37	86.22	89.76	91.30	90.76	89.11	87.42	85.68	84.77	84.38	83.59

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'71. Increasing Numbers denote increasing Easterly Declination.													
Mean Göttingen Time. } 0h. 1h. 2h. 3h. 4h. 5h. 6h. 7h. 8h. 9h. 10h. 11h.													
MARCH.	1	88°8	88°5	88°4	87°6	87°5	87°2	87°0	88°1	86°5	85°8	84°8	81°8
	2	90°0	88°8	88°1	88°6	88°1	88°0	87°9	87°8	86°7	85°7	84°1	81°5
	3	88°6	88°7	88°8	88°3	87°3	87°1	87°8	87°7	87°3	86°1	84°4	81°6
	4	88°2	88°6	88°0	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	87°4	87°9	87°5	87°7	90°2	87°5	85°9	81°6
	6	88°9	87°3	87°8	87°7	87°1	88°5	91°8	87°4	86°3	85°9	83°4	83°0
	7	86°1	80°3	82°7	81°4	81°4	89°4	78°1	76°3	81°2	85°8	84°4	82°3
	8	89°0	88°5	88°5	88°5	87°9	87°5	87°8	87°6	87°3	87°0	86°3	82°2
	9	83°7	87°2	87°4	88°3	87°9	87°1	89°4	87°0	—	85°5	84°9	82°2
	10	89°0	88°5	87°2	86°9	87°1	87°5	86°3	87°1	87°7	88°0	86°1	83°0
	11	89°3	88°8	88°5	—	—	—	—	—	—	—	—	—
	12	—	—	—	82°6	82°5	83°8	88°5	84°1	90°4	85°4	85°2	83°8
	13	83°3	85°5	87°6	87°1	91°6	91°9	88°8	87°7	—	83°7	81°0	84°5
	14	88°6	89°0	88°5	88°4	93°4	88°5	85°8	88°2	87°6	88°6	87°9	86°3
	15	88°6	88°8	89°0	88°2	88°2	88°5	88°4	88°2	89°4	89°2	—	—
	16	89°3	89°0	88°9	89°3	87°9	89°6	87°5	86°9	87°1	87°4	88°0	87°6
	17	89°5	89°3	89°7	89°8	89°7	89°8	90°8	87°8	85°7	87°4	86°8	85°9
	18	89°0	87°5	87°4	—	—	—	—	—	—	—	—	—
	19	—	—	—	89°2	89°4	89°8	90°4	91°3	88°6	88°5	86°9	87°5
	20	88°2	87°1	87°0	87°6	88°4	88°6	89°2	89°5	90°3	89°8	90°4	88°0
	21	88°9	88°9	89°0	89°3	88°8	90°1	91°4	90°1	89°5	94°0	89°6	—
	22	91°8	89°6	88°4	88°2	82°7	91°8	84°6	86°1	87°1	87°2	87°9	86°3
	23	90°0	89°9	89°5	87°4	89°1	90°2	90°5	91°0	90°3	88°2	88°4	85°7
	24	90°2	90°8	90°8	91°2	89°8	89°7	89°1	89°8	—	88°6	86°7	85°0
	25	90°9	90°4	90°0	—	—	—	—	—	—	—	—	—
	26	—	—	—	90°0	89°4	90°2	88°9	89°2	88°5	88°6	87°8	86°5
	27	89°8	90°6	89°2	90°3	89°4	90°2	89°5	89°1	88°7	88°8	83°4	87°4
	28	90°1	90°0	90°0	89°5	90°3	89°8	89°6	88°9	89°2	90°0	88°6	86°3
	29	91°0	90°0	82°0	80°5	82°5	89°9	90°5	94°5	90°5	91°6	94°7	92°9
	30	90°3	89°3	89°2	90°2	89°7	89°3	—	88°9	90°3	89°9	88°2	87°4
	31	92°3	91°9	90°6	91°6	90°6	89°7	90°2	90°2	90°1	90°0	—	—
Hourly Means	89°01	88°62	88°23	87°99	87°97	89°12	88°36	88°08	88°19	87°93	86°63	85°01	
APRIL.	1	88°5	88°1	88°6	—	—	—	—	—	—	—	—	—
	2	—	—	—	—	89°1	88°9	89°1	88°4	—	—	86°6	85°3
	3	87°2	85°6	83°4	84°5	93°6	87°8	87°7	88°5	—	90°9	89°2	87°0
	4	88°6	88°8	88°4	88°7	88°5	89°1	89°8	89°3	89°3	88°8	88°3	85°8
	5	90°6	88°6	87°7	79°1	76°3	93°2	71°6	77°0	75°9	94°3	93°1	95°2
	6	69°5	77°3	66°0	69°3	81°8	87°2	92°8	87°3	—	87°1	94°7	96°5
	7	80°3	84°4	84°3	82°7	87°5	95°5	94°0	88°3	93°7	96°5	92°3	88°8
	8	84°4	88°1	84°6	—	—	—	—	—	—	—	—	—
	9	—	—	—	—	85°8	85°7	87°9	89°1	91°2	89°2	89°2	87°5
	10	87°6	89°0	89°0	89°2	89°4	89°8	90°3	90°3	89°6	89°3	89°0	88°0
	11	89°0	90°4	90°0	90°1	90°1	90°5	90°8	90°6	93°4	89°9	94°5	87°4
	12	89°6	89°6	89°6	90°3	90°0	87°2	95°7	85°7	86°0	91°9	89°4	85°0
	13	86°9	88°0	88°7	89°5	94°7	86°5	90°4	90°1	89°5	89°2	89°1	89°5
	14	85°5	85°7	93°7	88°3	—	88°5	88°9	88°3	90°7	88°3	89°1	88°7
	15	87°6	89°9	90°3	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	89°5	92°1	92°0	91°3	90°5	90°0	88°3	87°1
	17	90°1	89°8	89°6	89°6	90°5	90°3	89°7	89°6	90°3	89°5	88°7	87°3
	18	87°7	90°2	89°9	89°3	89°0	89°9	92°7	88°6	87°5	87°9	88°6	86°8
	19	89°9	88°2	89°2	89°7	89°9	89°7	92°6	90°6	90°5	90°4	89°4	88°1
	20	89°3	89°1	89°0	89°0	89°2	90°2	91°5	91°2	91°0	90°4	89°5	—
	21	91°0	89°3	87°9	88°0	91°0	89°2	88°9	89°9	90°2	89°4	89°2	88°1
	22	90°7	90°5	90°5	—	—	—	—	—	—	—	—	—
	23	—	—	—	90°3	90°2	89°8	90°4	89°9	90°5	90°3	90°6	88°5
	24	90°7	90°0	90°1	90°3	90°2	90°7	91°5	90°5	89°6	89°1	88°3	87°2
	25	90°6	90°5	90°1	90°4	90°7	91°0	90°8	90°8	90°5	90°0	89°9	87°5
	26	89°0	89°2	88°8	89°7	89°9	90°0	90°8	91°5	90°9	90°8	89°7	88°5
	27	89°0	88°2	89°3	89°0	—	90°0	89°9	90°0	89°7	89°5	89°2	88°6
	28	89°4	90°1	90°0	90°6	90°5	91°5	91°2	91°1	90°0	90°0	90°5	89°1
	29	90°3	89°8	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	87°4	90°1	90°9	90°7	91°0	91°4	90°8	90°3	89°4
	Hourly Means	87°72	88°34	87°83	87°50	89°02	89°81	90°07	89°16	89°63	90°15	89°87	88°37

Annual Range of the Declination at the several observation hours in a mean or typical Year, commencing July 2nd 1845, and ending July 1st 1846. Scale $\frac{1}{2}$ an inch to one minute of Declination.



Printed by W. G. & Co. at the Press of the Government.

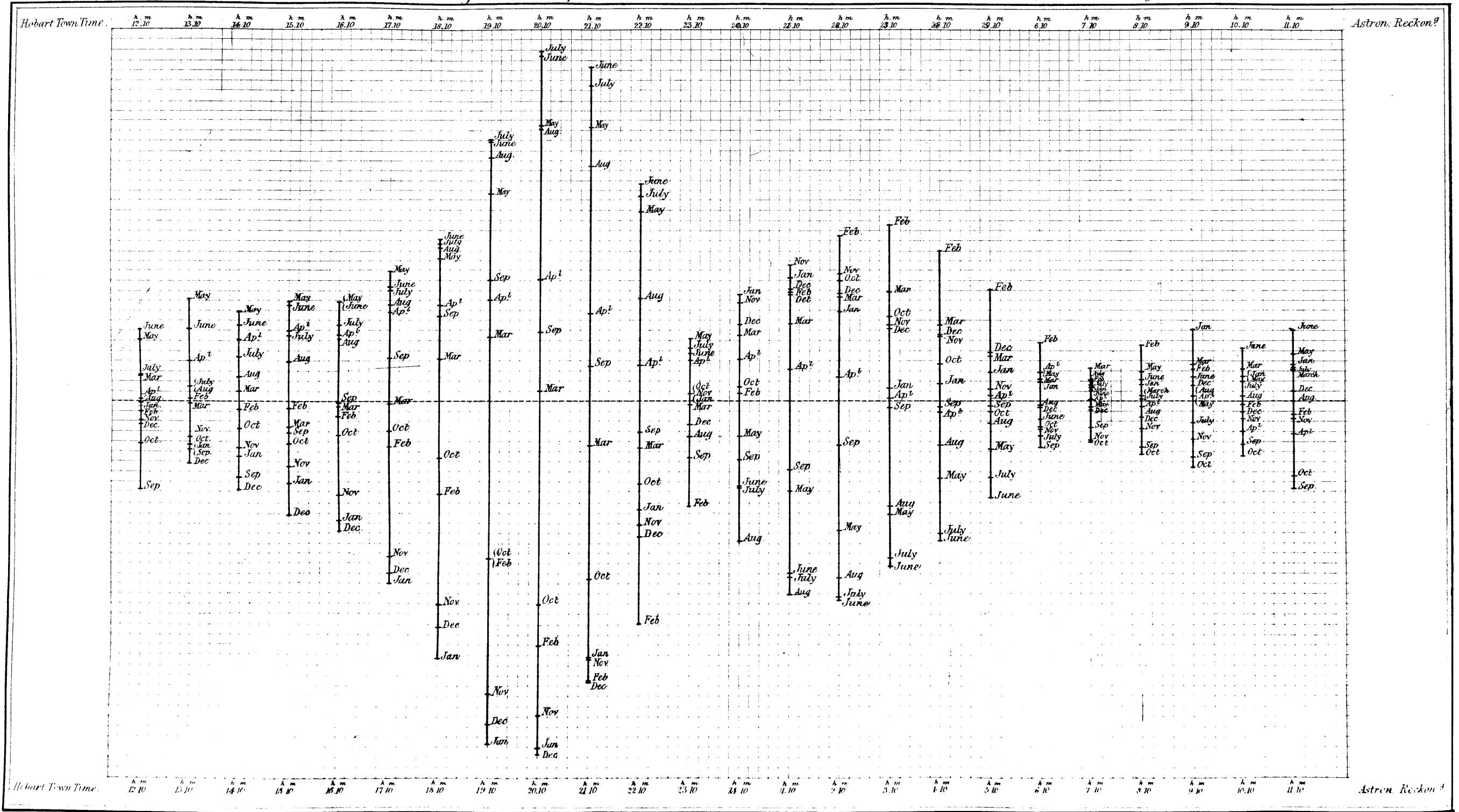
DECLINATION.												
Angular Value of one Scale Division of the Declinometer = 0°.71. Increasing Numbers denote increasing Easterly Declination.												
12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 80.9	Sc. Div. 81.6	Sc. Div. 85.6	Sc. Div. 92.0	Sc. Div. 97.3	Sc. Div. 99.1	Sc. Div. 96.6	Sc. Div. 92.8	Sc. Div. 85.8	Sc. Div. 89.5	Sc. Div. 89.1	Sc. Div. 90.6	Sc. Div. 88.45
79.2	81.3	86.8	94.5	98.6	98.6	96.1	93.2	91.3	90.0	89.6	89.1	88.90
79.4	81.1	84.5	89.3	94.3	96.8	97.1	95.8	92.2	90.8	89.5	89.2	88.49
—	—	—	—	—	—	—	—	—	—	—	—	—
80.2	81.7	84.5	90.2	94.3	97.7	99.2	98.0	97.1	95.6	91.1	89.3	89.54
83.6	85.6	91.2	92.3	94.8	97.0	95.5	88.3	91.0	91.6	84.9	83.5	88.52
82.4	83.0	86.2	89.9	93.7	94.8	94.4	93.1	90.8	90.0	89.3	89.4	86.10
81.0	82.5	86.8	91.1	—	93.4	93.0	91.3	90.2	89.7	88.5	87.2	87.95
82.3	83.7	86.8	89.9	92.5	95.0	95.4	93.8	91.7	90.6	90.3	89.6	88.36
82.6	85.2	87.9	90.9	93.4	94.5	94.0	93.0	92.5	90.8	89.9	—	88.66
—	—	—	—	—	—	—	—	—	—	—	—	—
85.0	87.8	88.9	91.1	93.4	94.5	93.6	93.0	85.1	85.7	88.7	89.3	87.87
84.3	84.8	87.6	91.0	94.3	94.4	93.5	91.9	89.7	87.9	88.6	89.8	88.28
84.3	84.9	86.9	89.2	91.1	91.5	92.3	91.7	90.5	88.4	89.5	89.0	88.80
84.6	85.4	87.1	90.0	93.1	94.9	94.0	93.1	91.2	89.9	89.6	89.4	89.49
86.1	86.9	89.1	92.1	94.8	95.9	95.8	93.9	91.5	90.5	89.6	89.8	89.77
84.0	85.3	90.5	94.1	95.4	96.0	96.0	94.5	92.3	91.7	90.9	90.2	90.13
—	—	—	—	—	—	—	—	—	—	—	—	—
85.4	86.9	90.2	92.9	95.6	96.4	96.8	96.0	92.7	91.5	90.5	89.2	90.40
85.0	87.0	88.3	90.7	93.5	94.7	95.3	94.1	91.9	89.7	88.9	89.5	89.70
85.9	86.3	88.0	92.0	95.5	97.5	98.3	96.0	93.0	91.7	91.3	91.7	91.17
84.2	85.6	89.4	93.1	96.7	98.1	98.7	96.3	95.5	94.0	91.6	90.7	90.23
87.3	88.5	90.5	92.2	94.4	96.0	94.9	93.9	91.5	91.1	90.7	89.0	90.42
83.8	84.7	87.5	90.5	94.0	95.1	95.2	93.6	91.4	90.8	90.6	90.9	89.99
—	—	—	—	—	—	—	—	—	—	—	—	—
84.1	85.0	88.1	93.0	96.6	97.7	96.9	95.3	93.2	92.2	92.1	91.1	90.65
86.0	86.5	88.6	91.5	93.3	95.0	95.5	94.3	92.3	91.4	91.0	90.8	90.11
86.3	86.8	88.0	91.2	90.6	97.4	96.8	95.0	94.0	92.5	92.4	91.5	90.62
88.7	88.5	89.8	92.6	95.1	96.4	96.2	94.9	93.4	91.9	92.1	90.6	90.87
85.7	84.7	87.3	92.1	95.2	98.2	98.6	96.6	92.1	93.0	92.5	91.9	91.06
83.1	84.7	87.6	92.6	95.0	95.9	94.5	92.7	90.6	89.7	89.7	89.3	90.57
83.90	85.04	87.91	91.56	94.48	96.02	95.71	93.93	91.65	90.82	90.09	89.68	89.44
—	—	—	—	—	—	—	—	—	—	—	—	—
84.1	84.5	87.9	92.8	96.4	98.5	98.7	94.5	92.0	91.4	90.3	89.6	90.16
85.6	85.5	87.8	91.5	94.4	96.1	95.4	93.2	91.0	90.3	89.2	89.5	89.34
83.2	82.5	86.7	92.1	96.6	98.0	97.1	96.8	95.3	94.0	92.7	91.9	90.44
91.2	95.0	100.5	100.6	101.8	100.8	101.0	104.5	101.4	90.0	68.6	78.4	89.85
93.5	89.7	92.0	93.5	93.6	93.7	94.9	94.5	93.7	92.0	89.0	89.5	87.79
88.1	88.5	90.2	92.7	95.9	94.2	96.9	92.8	91.0	91.9	89.6	82.7	90.12
—	—	—	—	—	—	—	—	—	—	—	—	—
86.0	87.0	88.6	91.7	93.5	94.2	94.5	93.5	91.4	82.8	88.5	86.3	88.73
86.0	87.4	89.6	91.3	92.5	93.1	93.3	92.1	90.3	90.4	90.5	91.3	89.93
85.8	85.7	88.4	91.5	93.8	95.8	95.7	94.4	93.0	91.3	90.6	90.0	90.95
86.0	87.5	91.2	93.7	95.7	96.5	93.7	93.0	91.9	89.9	90.1	87.7	90.29
87.9	87.4	89.3	91.9	93.8	95.3	98.6	97.9	94.5	92.2	90.7	90.1	90.90
85.3	87.1	89.4	92.6	95.8	95.3	96.0	93.6	89.0	91.1	84.9	86.2	89.65
—	—	—	—	—	—	—	—	—	—	—	—	—
86.3	87.8	90.2	94.2	97.0	98.0	95.1	93.2	92.0	91.4	91.1	90.2	91.09
86.0	84.6	89.2	93.6	96.1	97.5	96.6	96.2	94.0	90.4	92.2	89.6	90.88
87.4	86.7	88.5	93.5	94.0	94.2	94.1	92.9	91.9	91.8	90.0	89.6	90.11
86.9	86.4	87.6	90.3	93.7	96.1	95.8	93.9	92.5	91.5	90.5	90.1	90.56
87.8	86.9	87.3	90.0	92.5	94.4	93.7	93.2	92.2	91.4	91.5	90.4	90.46
87.0	87.1	88.9	91.4	93.5	94.4	94.3	93.3	92.4	92.1	91.6	91.1	90.38
—	—	—	—	—	—	—	—	—	—	—	—	—
87.0	87.7	88.9	91.3	93.3	94.0	93.7	92.5	91.7	91.5	91.2	90.1	90.63
86.3	86.5	88.4	92.5	94.7	94.9	93.2	92.3	91.9	91.3	90.8	90.9	90.50
86.4	86.3	87.3	90.1	92.7	94.3	94.5	93.5	92.0	91.1	90.6	90.5	90.50
88.0	86.6	88.1	90.6	93.3	95.1	95.3	94.0	92.2	91.8	91.4	90.8	90.67
87.6	87.8	88.5	90.5	92.5	94.2	93.4	92.8	92.3	92.2	91.2	90.2	90.24
87.1	86.5	88.0	90.7	92.5	93.3	93.1	92.7	91.9	91.4	90.7	90.5	90.52
—	—	—	—	—	—	—	—	—	—	—	—	—
88.3	87.2	87.6	89.1	91.6	93.7	94.5	93.9	92.3	91.3	90.8	90.5	90.56
86.99	87.04	89.20	92.15	94.45	95.42	95.32	94.21	92.55	91.06	89.53	89.11	90.21

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0' 71. Increasing Numbers denote increasing Easterly Declination.													
Mean Göttingen Time. } }	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
MAY.	1	Sc. Div. 90° 4	Sc. Div. 90° 2	Sc. Div. 89° 7	Sc. Div. 86° 9	Sc. Div. 89° 3	Sc. Div. 90° 3	Sc. Div. 90° 2	Sc. Div. 90° 3	Sc. Div. 90° 7	Sc. Div. 89° 9	Sc. Div. 89° 9	Sc. Div. 90° 7
	2	89° 6	89° 9	89° 8	90° 2	90° 5	90° 6	91° 2	90° 6	90° 8	90° 3	89° 8	88° 8
	3	90° 3	90° 0	89° 9	90° 0	90° 1	90° 4	90° 2	90° 0	90° 6	90° 7	89° 9	89° 0
	4	90° 1	90° 0	89° 9	90° 1	90° 1	91° 4	91° 0	90° 1	90° 2	90° 1	89° 3	89° 0
	5	90° 5	90° 6	90° 4	90° 4	90° 6	90° 8	—	91° 3	91° 0	90° 6	90° 3	89° 2
	6	90° 8	89° 7	89° 9	—	—	—	—	—	—	—	—	—
	7	—	—	—	90° 7	90° 5	91° 5	91° 6	93° 1	94° 3	91° 5	89° 9	91° 8
	8	87° 9	90° 2	90° 3	90° 4	90° 3	90° 7	91° 0	91° 7	90° 7	90° 8	90° 8	89° 9
	9	84° 9	87° 0	90° 0	89° 7	92° 2	91° 0	90° 5	89° 6	91° 5	92° 2	90° 8	90° 3
	10	90° 7	87° 8	83° 3	82° 9	84° 9	91° 0	93° 5	94° 1	—	91° 0	90° 5	90° 1
	11	86° 8	87° 3	89° 6	90° 1	90° 9	91° 4	92° 5	92° 5	91° 6	90° 7	90° 1	89° 1
	12	91° 7	87° 6	89° 3	90° 2	89° 9	91° 2	90° 4	91° 3	—	91° 1	90° 1	89° 2
	13	89° 9	89° 8	90° 2	—	—	—	—	—	—	—	—	—
	14	—	—	—	90° 0	91° 7	91° 6	91° 7	91° 4	90° 8	91° 1	90° 6	90° 3
	15	86° 7	89° 2	88° 5	88° 5	91° 0	90° 5	91° 4	91° 1	90° 9	94° 9	88° 3	89° 0
	16	89° 9	87° 6	88° 9	85° 1	87° 7	89° 3	90° 7	91° 1	91° 2	91° 1	91° 6	90° 0
	17	88° 7	—	87° 7	87° 5	92° 7	91° 5	91° 5	91° 3	91° 4	91° 8	90° 3	89° 8
	18	89° 6	89° 6	89° 9	90° 4	90° 0	91° 0	90° 8	90° 8	92° 2	90° 4	90° 4	89° 8
	19	90° 2	88° 7	88° 4	89° 7	90° 5	90° 8	91° 2	91° 2	91° 0	90° 7	90° 4	89° 7
	20	90° 3	90° 6	90° 4	—	—	—	—	—	—	—	—	—
	21	—	—	—	90° 5	90° 6	90° 9	90° 8	90° 9	90° 8	90° 6	90° 7	90° 8
	22	90° 3	90° 5	90° 1	89° 7	90° 0	89° 3	91° 7	—	—	90° 2	90° 1	89° 0
	23	90° 6	90° 3	89° 8	90° 3	90° 5	91° 0	—	91° 5	91° 4	91° 1	90° 6	89° 8
	24	90° 8	90° 8	90° 6	90° 8	91° 1	91° 6	90° 8	91° 3	91° 2	90° 8	90° 1	88° 8
	25	90° 3	90° 4	90° 5	91° 0	91° 5	91° 6	91° 8	91° 1	90° 4	90° 3	90° 3	90° 1
	26	89° 8	88° 9	90° 5	91° 9	91° 1	91° 0	91° 5	92° 5	91° 0	90° 3	91° 9	91° 0
	27 ^a	90° 8	91° 0	91° 2	—	—	—	—	—	—	—	—	—
	28 ^a	—	—	—	91° 0	91° 2	91° 9	92° 2	92° 0	91° 9	91° 8	90° 8	89° 5
	29 ^a	91° 0	90° 4	89° 7	89° 3	91° 6	90° 8	89° 9	91° 1	89° 8	91° 1	90° 6	89° 8
	30 ^a	89° 8	90° 4	90° 1	90° 2	90° 2	90° 3	91° 0	90° 6	90° 6	90° 7	90° 6	—
	31 ^a	89° 8	90° 2	90° 4	90° 5	91° 0	91° 2	91° 5	92° 3	91° 9	90° 9	90° 5	88° 8
Hourly Means	89° 60	89° 39	89° 46	89° 43	90° 33	90° 89	91° 24	91° 31	91° 17	90° 97	90° 29	89° 79	
JUNE.	1 ^b	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	—	—	—	—	—	—	—	—	—	—	—	
	4	—	—	—	—	—	—	—	—	—	—	—	
	5	—	—	—	—	—	—	—	—	—	—	—	
	6	—	—	—	—	—	—	—	—	—	—	—	
	7	—	—	—	—	—	—	—	—	—	—	—	
	8	—	—	—	—	—	—	—	—	—	—	—	
	9	—	—	—	—	—	—	—	—	—	—	—	
	10	—	—	—	—	—	—	—	—	—	—	—	
	11	—	—	—	—	—	—	—	—	—	—	—	
	12	—	—	—	—	—	—	—	—	—	—	—	
	13	—	—	—	—	—	—	—	—	—	—	—	
	14	—	—	—	—	—	—	—	—	—	—	—	
	15 ^c	—	—	—	—	—	—	—	—	—	—	—	
	16	87° 4	87° 4	87° 6	88° 1	88° 0	89° 0	88° 9	89° 7	89° 1	88° 9	88° 6	87° 6
	17	88° 1	87° 7	88° 2	—	—	—	—	—	—	—	—	—
	18	—	—	—	88° 7	88° 8	89° 4	89° 5	88° 6	89° 0	89° 0	89° 0	89° 1
	19	88° 7	88° 4	88° 2	88° 3	88° 4	89° 2	89° 4	—	90° 0	89° 1	89° 4	89° 3
	20	88° 4	88° 2	87° 2	88° 3	89° 5	89° 9	89° 5	89° 7	89° 4	91° 6	89° 0	88° 9
	21	88° 5	88° 8	88° 7	88° 9	88° 8	89° 3	89° 5	89° 2	89° 1	89° 2	89° 3	89° 0
	22	88° 5	88° 5	88° 8	89° 0	89° 4	89° 5	89° 7	89° 5	89° 4	89° 0	88° 4	88° 2
	23	88° 5	88° 5	88° 9	88° 8	89° 1	89° 7	89° 7	89° 8	—	89° 9	89° 1	88° 8
	24	88° 5	88° 4	88° 5	—	—	—	—	—	—	—	—	—
	25	—	—	—	89° 0	89° 9	90° 3	90° 2	90° 1	90° 0	89° 8	89° 4	89° 0
	26	88° 3	88° 4	88° 8	89° 3	—	90° 2	92° 0	90° 3	90° 0	89° 9	89° 3	88° 6
	27	88° 7	88° 7	88° 8	89° 4	89° 8	89° 8	90° 0	89° 6	89° 5	89° 5	89° 4	88° 8
	28	88° 2	88° 7	86° 3	87° 8	89° 7	89° 6	90° 4	89° 7	89° 8	89° 5	89° 4	88° 8
	29	88° 8	85° 2	88° 1	89° 0	89° 3	89° 4	89° 6	89° 7	89° 8	89° 3	89° 0	88° 2
	30 ^c	88° 7	88° 9	89° 1	89° 6	—	97° 6	88° 5	92° 4	92° 8	90° 1	89° 3	87° 1
Hourly Means	88° 58	88° 07	88° 18	88° 72	89° 16	89° 61	89° 87	89° 63	89° 55	89° 56	89° 11	88° 69	

^a Not included in the means. Workmen employed in and about the Observatory.^b From the 1st to the 15th workmen employed in and about the Observatory.

Annual Variation of the Declination at each of the 24 Observation hours derived from five Years of observation.

Scale, one inch to one minute of Arc. The dotted horizontal line represents the mean Declination at each hour as obtained from Observations throughout the five years at that hour only.



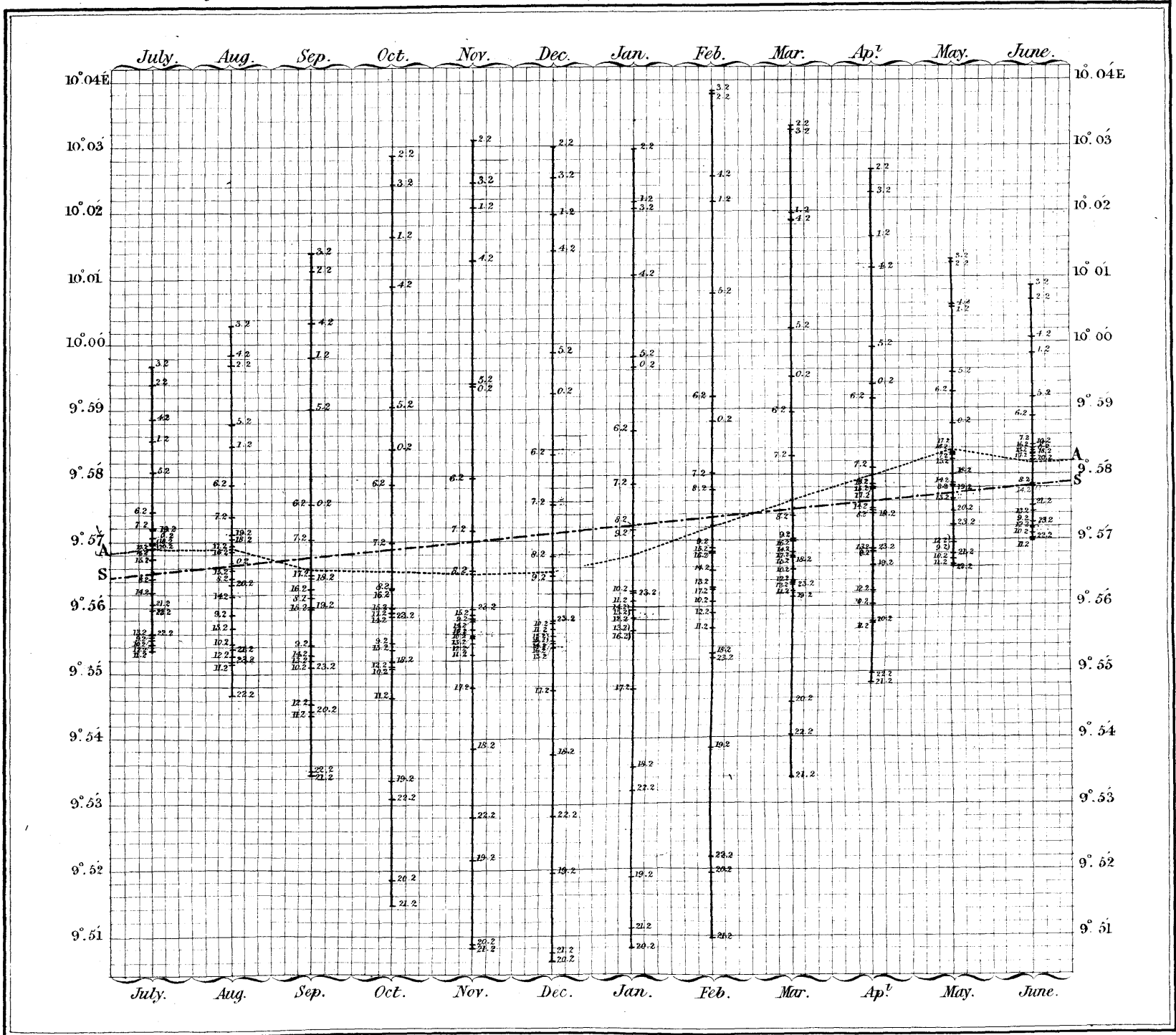
DECLINATION.												
Angular Value of one Scale Division of the Declinometer = 0'71. Increasing Numbers denote increasing Easterly Declination.												
12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 88'2	Sc. Div. 87'0	Sc. Div. 87'2	Sc. Div. 89'8	Sc. Div. 92'8	Sc. Div. 93'5	Sc. Div. 94'5	Sc. Div. 93'8	Sc. Div. 91'8	Sc. Div. 90'8	Sc. Div. 90'5	Sc. Div. 90'2	Sc. Div. 90'36
87'1	86'5	86'6	88'8	91'8	93'5	94'3	93'3	91'9	91'4	91'0	90'4	90'36
87'0	86'7	88'1	91'4	94'8	96'5	95'8	93'8	92'2	91'0	90'5	90'4	90'80
87'0	86'3	87'3	89'7	94'0	95'1	95'6	93'9	91'7	—	91'0	90'5	90'58
87'6	86'9	87'1	88'3	91'5	93'6	93'9	93'0	—	91'7	91'2	91'2	90'53
—	—	—	—	—	—	—	—	—	—	—	—	—
92'8	90'7	90'6	90'7	92'8	92'6	89'6	92'2	92'3	91'9	85'5	92'6	91'23
88'2	88'7	89'7	91'6	94'0	95'4	94'5	95'0	91'8	92'0	91'3	88'1	91'04
87'5	86'8	87'6	89'2	91'7	94'2	94'5	87'4	93'2	90'7	91'3	90'4	90'17
89'0	89'4	90'1	91'7	92'2	93'7	93'9	89'5	90'6	91'1	90'6	90'9	90'11
87'1	86'7	88'4	90'0	93'5	95'0	95'0	93'2	91'7	90'9	91'0	90'2	90'64
88'6	88'1	90'2	91'7	94'5	95'0	95'1	93'4	90'4	83'8	90'2	90'3	90'58
—	—	—	—	—	—	—	—	—	—	—	—	—
88'1	88'4	88'8	90'4	92'5	94'0	95'0	94'1	92'6	91'0	90'4	90'1	91'02
88'5	89'3	90'4	92'4	94'4	95'7	98'5	93'2	94'2	92'1	89'6	86'3	91'02
90'4	88'9	88'8	89'1	91'9	93'5	95'3	92'8	91'2	91'9	90'9	90'4	90'39
89'0	89'3	88'7	89'9	93'7	93'8	93'9	92'9	92'8	91'7	91'0	89'0	90'87
88'9	88'1	88'9	90'6	91'8	93'7	94'1	93'3	91'9	91'2	90'8	90'5	90'78
89'2	88'9	88'6	89'9	91'9	93'2	93'8	92'9	91'6	92'3	90'5	90'5	90'66
—	—	—	—	—	—	—	—	—	—	—	—	—
89'2	87'3	88'7	91'0	93'5	93'6	93'3	92'9	92'0	91'9	91'5	91'3	91'00
87'6	86'9	87'5	91'1	95'0	95'6	94'8	93'4	92'2	91'7	91'7	91'3	90'90
89'1	88'4	88'4	90'8	94'6	94'9	94'3	92'9	91'8	91'0	90'8	90'7	91'07
88'7	88'5	89'2	91'0	92'9	93'8	93'9	92'0	91'6	90'9	90'5	90'0	90'90
88'7	87'9	—	—	—	—	—	—	91'8	91'0	90'5	90'5	90'54
90'2	93'3	91'2	93'3	95'4	96'3	96'1	93'8	92'1	91'5	90'8	90'5	91'91
—	—	—	—	—	—	—	—	—	—	—	—	—
89'1	88'6	—	—	—	—	—	—	92'0	91'4	91'3	91'0	—
—	—	—	—	—	—	—	—	93'0	91'2	90'1	90'4	—
—	—	—	—	—	—	—	—	91'8	90'9	90'6	90'4	—
89'0	—	—	—	—	—	—	—	—	—	—	—	—
88'59	88'22	88'73	90'56	93'24	94'37	94'53	92'85	91'97	91'07	90'57	90'27	90'76
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
87'5	86'5	86'9	89'9	91'4	91'8	91'9	90'5	89'2	89'1	88'3	87'8	—
—	—	—	—	—	—	—	90'6	89'2	89'0	88'6	88'3	88'83
87'4	86'5	87'2	88'6	89'5	89'7	91'3	90'5	89'5	89'4	89'2	89'0	88'87
88'5	87'2	87'7	88'6	91'0	92'3	91'8	90'5	89'8	89'5	88'7	88'4	89'23
88'4	88'3	87'7	88'4	90'2	90'8	91'6	90'9	89'9	89'4	88'7	88'7	89'27
87'4	87'2	88'3	90'2	92'0	92'1	91'9	91'0	89'8	90'1	89'3	88'4	89'42
87'9	87'8	88'7	90'3	91'2	91'1	92'0	90'8	89'5	88'9	88'3	88'5	89'29
87'7	86'3	87'3	89'8	91'2	91'2	91'3	90'2	89'3	88'9	88'9	88'5	89'19
—	—	—	—	—	—	—	—	—	—	—	—	—
88'2	86'6	88'0	90'0	91'9	93'4	93'5	92'1	91'0	90'0	89'4	88'8	89'83
87'9	87'3	88'8	90'6	91'5	91'9	92'5	91'1	89'4	88'9	88'7	88'8	89'63
87'3	87'3	89'3	90'5	91'0	91'8	92'0	90'9	89'9	89'2	89'2	89'0	89'56
87'5	86'0	88'6	90'5	91'8	93'5	92'9	92'0	92'0	93'8	91'3	89'0	89'87
86'3	86'7	87'7	90'0	91'9	94'5	94'5	92'4	90'4	89'9	89'1	88'8	89'48
89'6	90'0	91'9	—	—	—	—	—	—	—	—	—	—
87'67	86'97	88'02	89'78	91'22	92'01	92'27	91'08	89'97	89'75	89'12	88'68	89'38

^c Not included in the means.

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'71. Increasing Numbers denote increasing Easterly Declination.													
Mean Götting- gen 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	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	—	—	—	—	—	—	—	—	—	—	—	
	4	—	—	—	—	—	—	—	—	—	—	—	
	5	—	—	—	—	—	—	—	—	—	—	—	
	6	—	—	—	—	—	—	—	—	—	—	—	
	7	—	—	—	—	—	—	—	—	—	—	—	
	8	—	—	—	—	—	—	—	—	—	—	—	
	9	—	—	—	—	—	—	—	—	—	—	—	
	10	—	—	—	—	—	—	—	—	—	—	—	
	11	—	—	—	—	—	—	—	—	—	—	—	
	12 ^a	—	—	—	—	—	—	—	—	—	—	—	—
	13	71°0	73°3	72°4	72°3	74°7	74°7	74°7	75°2	74°3	74°3	74°3	74°5
	14	73°8	69°9	71°6	73°4	72°9	74°7	74°4	74°3	74°6	75°7	75°1	—
	15	72°7	67°1	70°7	—	—	—	—	—	—	—	—	—
	16	—	—	—	73°2	72°8	74°0	74°7	74°3	74°5	74°2	73°9	72°9
	17	72°8	72°0	65°8	72°2	74°1	74°1	74°9	75°0	74°2	73°2	73°2	72°3
	18	73°0	72°7	72°8	73°8	73°8	73°9	74°2	73°9	—	73°7	73°8	73°1
	19	73°0	72°4	—	73°2	73°3	74°7	73°3	73°5	73°8	73°5	73°4	72°4
	20	72°8	72°9	72°8	72°9	73°4	73°2	73°8	73°6	73°7	73°9	73°7	73°5
	21	72°2	72°3	70°9	72°8	—	73°8	73°8	73°6	73°2	73°2	73°5	72°4
	22	71°2	68°7	70°8	—	—	—	—	—	—	—	—	—
	23	—	—	—	71°1	72°6	73°9	73°9	73°7	73°6	73°2	73°1	71°7
	24	71°4	73°1	73°3	73°3	73°4	73°2	75°3	74°0	73°0	67°3	71°7	72°0
	25	63°6	57°5	60°0	59°9	56°8	54°5	60°4	65°8	76°9	81°8	81°8	84°4
	26	72°0	72°0	72°6	73°2	71°8	73°3	77°2	73°7	73°3	73°8	73°8	72°0
	27	71°2	71°8	68°9	68°7	71°2	73°1	73°3	77°0	—	73°6	73°2	72°4
	28	72°4	72°8	71°8	69°8	73°0	73°0	73°5	73°2	73°4	73°6	73°3	76°5
	29	72°8	71°8	72°4	—	—	—	—	—	—	—	—	—
	30	—	—	—	72°7	73°2	73°7	73°9	74°6	76°0	73°0	73°0	72°8
	31	70°4	71°6	70°6	71°5	72°8	75°7	73°6	73°6	—	—	73°4	72°3
Hourly Means	71°64	70°74	70°49	71°50	71°99	72°72	73°43	73°69	74°19	73°87	74°01	73°68	
AUGUST.	1	72°6	72°4	72°7	72°9	73°4	73°3	73°8	73°8	—	73°2	72°8	72°6
	2	73°1	73°1	73°1	73°4	72°9	73°4	73°7	73°6	73°1	72°9	73°1	72°3
	3	70°0	72°8	73°0	72°8	73°1	73°5	73°9	73°4	—	72°6	72°4	72°0
	4	63°4	67°7	66°4	68°1	69°7	68°9	70°1	69°9	73°3	74°0	74°6	75°9
	5	72°9	72°5	72°3	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	70°2	72°8	71°6	73°3	73°1	73°9	72°5	71°1
	7	72°0	71°2	71°7	72°5	73°0	73°2	73°2	75°1	74°2	73°7	71°9	69°7
	8	67°7	68°7	71°3	72°5	73°7	75°8	77°8	78°8	—	—	71°2	70°0
	9	71°4	71°2	74°8	72°9	73°8	74°3	73°2	73°2	73°1	72°9	72°3	71°5
	10	71°9	71°9	72°8	73°8	75°4	74°3	72°9	73°0	72°3	72°4	71°4	69°6
	11	73°9	71°4	72°1	76°7	72°3	73°1	71°7	75°6	71°9	72°8	71°7	71°6
	12	73°2	70°8	69°2	—	—	—	—	—	—	—	—	—
	13	—	—	—	70°0	71°9	74°8	71°5	71°8	74°4	76°0	72°5	70°4
	14	72°6	72°4	71°1	69°8	68°2	—	74°0	72°7	73°2	73°0	73°3	72°1
	15	71°6	71°9	71°8	72°2	72°2	73°1	73°1	73°0	73°0	73°3	72°8	70°4
	16	72°8	72°8	72°8	72°3	73°6	75°0	72°2	72°9	—	72°8	72°6	71°1
	17	72°1	72°4	72°0	72°0	72°9	72°8	72°9	72°9	73°0	73°0	72°2	70°2
	18	72°9	72°9	72°6	72°8	72°6	72°8	72°8	75°5	—	73°3	72°2	70°8
	19	72°8	72°8	71°0	—	—	—	—	—	—	—	—	—
	20	—	—	—	73°0	73°1	73°1	73°0	73°1	73°0	72°2	71°8	71°0
	21	72°8	72°8	72°8	73°0	72°8	72°9	73°0	73°0	73°0	72°5	72°3	71°4
	22	75°2	70°0	66°8	70°0	72°3	73°1	73°2	73°2	76°3	75°4	74°1	70°5
	23	70°8	70°2	71°0	73°2	—	75°5	73°2	75°1	74°7	75°6	75°5	75°0
	24	69°3	70°2	70°0	71°1	76°7	74°6	72°8	73°9	73°2	73°4	73°7	72°4
	25	73°7	73°0	67°0	69°8	—	74°9	74°0	74°2	73°8	73°5	74°2	72°1
	26	71°4	72°6	72°9	—	—	—	—	—	—	—	—	—
	27	—	—	—	72°1	71°8	71°3	72°1	76°0	74°2	75°4	73°8	69°8
	28	72°7	72°1	72°2	73°1	72°5	73°2	73°6	73°7	73°9	72°8	72°4	71°0
	29	72°8	72°7	72°8	73°2	73°2	73°5	73°7	74°3	73°8	74°2	74°0	72°9
	30	72°1	72°4	72°8	73°1	73°7	74°0	74°4	74°2	74°0	73°8	72°6	71°5
	31	71°8	70°8	72°0	70°6	71°0	71°5	72°6	76°6	73°5	73°0	71°5	71°0
Hourly Means	71°83	71°69	71°52	72°19	72°64	73°41	73°11	73°92	73°55	73°52	72°79	71°48	

^a Not included in the means; a new adjustment.

Shewing the Mean Declination at every Observation hour in each month of a Mean Year, derived from five years of Observation, commencing July 1843, and ending June 1848.



DECLINATION.												
Angular Value of one Scale Division of the Declinometer = 0' 71. Increasing Numbers denote increasing Easterly Declination.												
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.
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
72° 5	70° 9	72° 1	—	77° 7	80° 0	78° 1	75° 8	74° 6	74° 6	74° 2	71° 7	—
71° 4	71° 2	72° 0	74° 8	78° 0	80° 6	78° 8	77° 0	75° 9	74° 6	74° 5	71° 8	74° 38
—	—	—	—	—	—	—	—	—	—	—	—	—
70° 8	69° 8	72° 4	76° 8	80° 0	79° 0	78° 5	76° 0	74° 9	76° 2	73° 4	73° 9	74° 03
70° 4	70° 4	72° 0	76° 0	77° 1	77° 5	76° 5	75° 1	74° 0	73° 8	73° 3	73° 5	73° 48
72° 0	71° 2	—	74° 4	77° 4	79° 8	78° 8	78° 4	75° 5	74° 6	74° 2	73° 8	74° 49
71° 8	71° 4	72° 2	74° 2	76° 3	78° 4	77° 5	75° 7	74° 8	74° 1	74° 2	73° 4	73° 93
72° 9	72° 0	72° 8	74° 2	76° 2	78° 8	79° 0	78° 4	76° 7	75° 3	73° 9	73° 5	74° 33
70° 8	70° 2	70° 8	73° 7	77° 1	79° 2	78° 0	76° 4	75° 4	75° 2	74° 8	72° 9	73° 75
—	—	—	—	—	—	—	—	—	—	—	—	—
71° 1	71° 7	73° 1	75° 0	75° 9	75° 8	76° 0	75° 2	74° 0	73° 7	73° 4	73° 8	73° 17
71° 0	72° 0	73° 1	74° 8	76° 7	77° 0	77° 0	76° 2	74° 4	74° 4	72° 2	64° 8	73° 11
71° 9	77° 0	78° 8	79° 5	77° 0	78° 0	76° 8	76° 2	75° 3	74° 8	73° 2	72° 8	71° 45
71° 8	71° 9	74° 3	—	76° 1	76° 7	77° 4	79° 7	77° 3	74° 6	73° 3	71° 8	74° 07
73° 5	71° 0	72° 8	73° 9	75° 6	77° 2	78° 3	74° 8	74° 4	73° 9	73° 2	73° 2	73° 31
71° 7	71° 3	72° 4	72° 8	75° 2	76° 5	77° 2	77° 2	76° 4	76° 0	73° 4	72° 4	73° 70
—	—	—	—	—	—	—	—	—	—	—	—	—
71° 7	72° 4	73° 1	73° 9	76° 5	76° 5	77° 8	76° 8	73° 4	72° 7	70° 2	71° 9	73° 62
71° 5	70° 4	70° 4	71° 4	74° 0	74° 8	75° 6	75° 0	74° 0	73° 9	73° 3	72° 7	72° 84
71° 68	71° 55	72° 82	74° 67	76° 67	77° 86	77° 58	76° 55	75° 13	74° 54	73° 41	72° 52	73° 63
71° 8	71° 2	71° 9	73° 3	75° 6	76° 4	76° 1	75° 0	74° 1	73° 8	73° 4	73° 2	73° 45
71° 5	71° 4	72° 8	74° 7	76° 7	76° 8	77° 2	77° 2	75° 6	74° 6	74° 1	73° 2	73° 90
71° 0	71° 4	72° 2	76° 2	77° 7	78° 3	77° 7	78° 2	78° 5	77° 0	74° 7	76° 4	74° 30
73° 2	71° 9	72° 8	73° 6	75° 5	76° 4	76° 1	75° 5	75° 7	73° 6	74° 0	71° 9	72° 18
—	—	—	—	—	—	—	—	—	—	—	—	—
70° 1	—	—	73° 2	75° 6	76° 9	77° 0	76° 4	75° 0	74° 8	73° 4	72° 5	73° 39
69° 2	69° 4	70° 7	72° 9	77° 2	79° 9	77° 4	76° 3	74° 5	75° 0	73° 2	65° 6	73° 03
71° 6	73° 1	75° 0	76° 8	75° 8	80° 6	75° 0	78° 1	75° 1	74° 4	71° 7	66° 9	73° 71
72° 4	74° 6	75° 3	75° 8	76° 4	76° 6	77° 0	75° 2	74° 0	74° 2	71° 0	72° 5	73° 73
70° 3	71° 9	73° 3	74° 5	76° 4	77° 4	77° 2	75° 9	74° 4	74° 6	74° 4	73° 9	73° 58
71° 7	73° 0	73° 0	73° 1	74° 5	76° 3	76° 0	76° 0	76° 1	75° 4	74° 7	69° 0	73° 48
—	—	—	—	—	—	—	—	—	—	—	—	—
69° 9	70° 1	72° 2	72° 7	75° 8	78° 9	77° 4	76° 0	74° 6	74° 6	73° 8	73° 4	73° 16
71° 2	70° 9	72° 4	73° 0	74° 3	75° 6	—	76° 6	76° 2	74° 9	75° 6	73° 0	73° 00
70° 8	71° 1	73° 2	73° 8	75° 5	77° 8	78° 6	77° 8	75° 2	74° 2	73° 8	69° 8	73° 33
70° 1	70° 0	71° 4	73° 0	74° 7	76° 6	78° 0	76° 2	74° 8	74° 5	73° 6	73° 2	73° 35
69° 9	70° 2	72° 0	74° 2	76° 6	79° 1	79° 7	78° 5	75° 7	75° 1	74° 1	73° 6	73° 63
70° 2	70° 7	72° 1	74° 1	75° 3	75° 8	75° 5	74° 8	74° 1	73° 9	74° 0	73° 6	73° 27
—	—	—	—	—	—	—	—	—	—	—	—	—
71° 8	71° 2	72° 7	73° 8	74° 6	77° 2	77° 8	77° 2	74° 7	74° 2	73° 8	73° 4	73° 43
70° 8	71° 0	70° 9	71° 8	74° 2	76° 4	77° 6	77° 4	77° 0	80° 1	82° 2	79° 9	74° 23
71° 2	74° 7	77° 6	75° 8	77° 8	79° 8	77° 7	77° 8	75° 3	73° 7	73° 9	69° 4	73° 95
71° 2	69° 5	69° 6	73° 0	74° 4	75° 6	77° 0	75° 3	74° 5	73° 1	71° 0	70° 1	73° 22
71° 5	70° 2	72° 4	74° 7	75° 9	76° 3	76° 6	75° 1	73° 2	73° 4	70° 3	73° 2	73° 09
71° 8	72° 0	72° 2	74° 3	76° 4	75° 7	75° 4	75° 9	72° 9	73° 9	71° 3	71° 5	73° 20
—	—	—	—	—	—	—	—	—	—	—	—	—
68° 7	69° 5	70° 7	72° 7	75° 7	76° 9	76° 2	75° 7	74° 4	73° 7	73° 6	73° 0	73° 09
69° 2	69° 0	70° 9	72° 4	74° 1	75° 3	77° 1	76° 0	74° 1	73° 7	73° 2	73° 0	72° 97
69° 3	67° 8	69° 8	72° 6	75° 7	78° 0	78° 4	77° 0	74° 8	74° 2	73° 7	73° 0	73° 56
69° 0	68° 0	70° 4	73° 8	76° 5	79° 2	79° 5	78° 6	76° 8	76° 2	75° 8	69° 9	73° 85
70° 1	69° 9	71° 1	73° 8	75° 9	78° 2	79° 9	80° 1	79° 2	76° 8	77° 3	73° 4	73° 82
70° 72	70° 91	72° 25	73° 84	75° 73	77° 33	77° 27	76° 66	75° 20	74° 73	73° 91	72° 28	73° 44

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0' 71. Increasing Numbers denote increasing Easterly Declination.													
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
SEPTEMBER.	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	72°0	73°0	70°9	63°8	66°8	71°4	66°4	72°2	74°5	73°0	70°9	69°8
	2	73°4	72°2	67°1	—	—	—	—	—	—	—	—	—
	3	—	—	—	72°2	72°7	73°9	73°1	73°1	74°9	76°8	73°1	70°5
	4	73°3	72°5	69°9	72°3	—	71°7	72°1	72°4	71°8	75°0	76°2	72°5
	5	72°8	72°2	69°3	72°4	70°2	71°0	72°8	73°2	72°8	71°7	71°5	69°4
	6	70°9	72°0	73°0	73°0	74°1	73°9	74°2	73°8	73°2	72°1	70°6	69°1
	7	70°8	71°1	72°3	72°8	73°5	—	74°1	74°4	73°6	72°9	71°4	70°3
	8	71°9	68°8	70°6	71°5	—	74°5	71°6	74°2	72°9	72°3	72°4	70°8
	9	73°2	71°5	72°9	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	72°2	71°6	73°7	72°7	71°5	71°0	71°8	70°7
	11	68°2	71°8	71°4	71°1	71°7	73°4	72°9	73°0	72°7	71°7	70°7	69°0
	12	73°0	70°0	71°6	70°7	70°8	72°3	71°0	72°8	73°5	74°5	72°1	68°8
	13	73°0	72°7	72°7	72°7	71°7	73°6	73°5	73°4	72°3	72°0	71°6	69°3
	14	73°1	72°9	72°1	72°1	73°1	72°9	73°9	73°9	72°8	73°7	72°0	69°5
	15	72°8	72°0	68°8	70°2	72°0	73°3	73°6	73°3	73°1	72°4	71°1	68°9
	16	73°3	74°2	72°3	—	—	—	—	—	—	—	—	—
	17	—	—	—	—	71°9	71°8	71°4	70°3	72°2	69°4	69°5	69°4
	18	72°8	72°8	68°7	71°1	72°3	73°7	75°7	74°7	73°6	72°7	72°0	71°3
	19	68°7	67°5	71°1	72°1	73°4	74°4	76°1	77°9	74°2	73°0	72°8	70°9
	20	72°3	73°0	73°0	71°9	—	74°3	74°0	73°0	72°4	72°5	71°5	69°0
	21	69°3	70°6	71°1	71°5	73°8	76°9	79°1	76°3	79°0	73°6	70°3	69°6
	22	69°1	68°9	72°0	65°5	72°4	72°6	72°0	74°2	74°1	75°7	72°5	69°2
	23	69°2	67°3	66°4	—	—	—	—	—	—	—	—	—
	24	—	—	—	73°2	73°5	73°9	73°1	73°2	72°7	72°2	71°0	68°9
	25	72°9	73°1	72°2	73°1	73°2	73°5	73°4	72°1	71°3	71°2	69°6	68°2
	26	71°0	72°0	72°4	72°2	72°2	72°6	71°8	71°1	70°4	69°0	68°7	66°8
	27	71°9	72°0	72°3	72°3	72°7	72°7	72°7	72°8	72°3	70°0	68°5	66°4
	28	66°0	—	71°3	67°9	69°7	71°4	72°8	72°4	71°8	70°3	69°1	67°7
29	73°2	72°6	72°0	71°9	—	70°7	73°5	70°8	71°6	69°9	69°2	67°4	
Hourly Means	71°52	71°53	71°10	71°20	72°09	73°00	73°14	73°20	73°04	72°28	71°12	69°34	
OCTOBER.	Sept. 30	69°6	68°9	70°9	—	—	—	—	—	—	—	—	
	1	—	—	—	—	—	71°3	71°7	71°6	72°5	71°6	70°8	69°0
	2	73°8	72°5	71°6	71°4	75°0	71°0	71°0	73°2	72°3	71°1	70°1	67°9
	3	60°9	72°1	73°5	73°3	73°6	73°0	72°7	72°7	72°3	72°3	69°3	67°5
	4	72°7	72°8	73°4	75°8	72°0	72°5	72°9	72°2	71°0	70°4	68°8	67°0
	5	66°8	69°7	70°8	71°8	71°2	71°0	71°5	70°1	74°0	71°9	69°9	67°6
	6	68°3	69°7	71°0	72°5	72°6	72°9	73°2	72°5	71°9	71°1	68°9	66°7
	7	71°8	69°9	72°0	—	—	—	—	—	—	—	—	—
	8	—	—	—	71°0	72°2	72°5	73°3	73°2	73°1	71°6	69°0	67°8
	9	72°4	72°2	72°4	72°4	72°2	73°3	74°2	73°0	72°4	71°6	69°1	66°8
	10	72°6	73°1	71°9	71°9	70°4	71°6	72°0	73°7	73°1	71°8	70°7	69°8
	11	72°6	70°8	70°9	72°2	72°3	72°7	73°0	73°0	72°2	72°1	70°0	66°3
	12	72°0	69°5	69°0	72°0	71°3	72°0	72°2	72°2	71°2	70°7	68°7	67°1
	13	69°9	69°1	69°1	66°8	68°4	71°2	71°8	71°8	70°9	69°7	67°9	65°8
	14	71°0	71°8	72°8	—	—	—	—	—	—	—	—	—
	15	—	—	—	69°2	73°3	74°1	72°1	70°2	71°0	70°5	72°4	71°8
	16	63°4	68°4	69°0	70°2	73°4	73°4	73°5	73°2	73°9	75°7	75°0	71°5
	17	71°5	69°0	68°6	70°3	75°2	74°2	70°3	74°0	71°6	70°1	69°1	66°6
	18	69°1	72°6	71°5	69°0	74°0	73°6	73°5	72°1	70°8	70°0	68°9	68°2
	19	71°5	72°2	71°2	71°6	71°5	72°0	74°4	72°5	72°3	73°4	69°6	67°4
	20	71°5	72°7	69°8	71°8	72°2	73°2	73°0	—	71°2	70°3	68°1	66°2
	21	73°0	73°0	73°0	—	—	—	—	—	—	—	—	—
	22	—	—	—	72°8	73°2	72°7	72°5	72°6	71°9	71°6	68°9	67°0
	23	73°4	73°4	73°2	73°1	—	72°9	73°0	73°0	—	70°3	67°7	65°2
	24	72°0	69°0	70°4	72°4	73°3	73°3	72°9	71°8	70°8	67°8	66°5	64°7
	25	72°8	72°8	72°8	71°3	72°6	68°8	72°0	71°4	70°4	69°5	67°3	66°0
	26	64°2	67°8	68°9	69°2	71°6	66°2	68°7	71°8	70°3	70°8	67°5	66°0
	27	69°0	67°0	69°8	71°6	75°5	69°9	70°4	71°6	71°8	70°6	68°9	67°8
	28	70°3	71°8	71°8	—	—	—	—	—	—	—	—	—
	29	—	—	—	72°0	71°8	71°8	73°0	71°9	73°0	70°5	70°6	68°4
	30	73°1	73°0	67°4	67°0	70°2	68°8	72°6	71°8	70°0	69°8	70°1	66°8
	31	68°3	67°1	67°3	71°1	—	72°7	72°5	74°4	71°8	70°2	68°1	66°4
Hourly Means	70°28	70°81	70°89	71°30	72°46	71°95	72°37	72°37	71°83	71°00	69°33	67°38	

DECLINATION.												
Angular Value of one Scale Division of the Declinometer = 0' 71. Increasing Numbers denote increasing Easterly Declination.												
12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 69°6	Sc. Div. 69°5	Sc. Div. 71°6	Sc. Div. 74°7	Sc. Div. 77°9	Sc. Div. 79°6	Sc. Div. 80°0	Sc. Div. 81°3	Sc. Div. 74°1	Sc. Div. 79°5	Sc. Div. 61°9	Sc. Div. 72°1	Sc. Div. 72°35
—	—	—	—	—	—	—	—	—	—	—	—	—
69°7	69°3	71°5	74°3	77°5	78°5	77°2	77°2	76°6	74°5	74°4	73°5	73°63
70°0	70°2	71°5	73°3	75°8	77°9	80°7	81°8	80°0	76°8	70°6	71°2	73°89
69°5	70°5	72°9	76°0	77°2	77°9	78°7	79°1	77°7	76°0	74°5	72°0	73°39
67°5	68°9	72°2	75°9	78°8	80°7	79°2	77°4	75°3	73°6	73°3	72°2	73°54
68°7	70°0	71°8	74°6	77°0	78°0	78°1	77°1	74°9	74°9	73°6	73°3	73°44
70°0	70°5	72°7	75°3	76°4	77°0	77°8	77°8	75°8	72°4	73°2	73°3	73°20
—	—	—	—	—	—	—	—	—	—	—	—	—
70°5	70°1	71°4	74°1	77°0	80°1	80°4	79°2	77°1	73°6	74°2	69°6	73°48
67°9	67°8	71°3	75°5	78°8	81°4	81°6	79°5	76°3	74°9	72°0	73°8	73°27
66°6	67°7	69°8	73°9	78°3	79°7	79°1	78°3	77°2	76°1	74°7	72°5	73°12
68°3	70°0	72°8	75°6	78°1	79°2	78°6	76°9	75°2	74°9	74°2	73°7	73°58
70°1	70°4	—	76°6	78°3	79°0	78°0	76°2	74°8	73°8	73°2	72°8	73°53
69°0	71°6	73°6	77°6	79°9	80°7	79°1	76°6	75°0	74°4	74°2	73°6	73°62
—	—	—	—	—	—	—	—	—	—	—	—	—
69°8	71°3	74°0	75°9	77°6	77°8	76°2	75°3	74°6	75°7	74°9	69°0	72°95
71°3	71°7	73°1	75°6	75°0	77°1	77°5	76°2	76°2	74°2	68°2	60°6	72°84
70°4	72°0	72°7	75°0	76°4	77°0	76°3	75°1	74°1	67°7	72°3	72°4	73°06
68°2	71°2	72°9	77°0	76°9	77°3	75°8	75°8	74°7	73°6	71°9	64°5	72°90
69°5	69°4	71°3	75°6	80°0	79°2	79°0	78°3	75°0	72°2	70°5	70°4	73°81
68°5	68°1	70°9	74°1	78°2	79°2	77°8	76°8	72°9	72°4	73°1	69°8	72°50
—	—	—	—	—	—	—	—	—	—	—	—	—
68°0	69°0	72°4	76°7	78°6	78°9	77°7	76°8	75°2	74°7	73°6	73°0	72°88
67°6	68°1	72°4	76°5	80°4	81°8	80°8	77°0	74°3	74°1	73°7	73°1	73°48
66°2	68°8	74°3	77°8	79°5	79°6	77°8	75°0	73°8	73°1	73°1	72°8	72°58
66°5	69°9	73°6	78°8	81°0	81°7	83°8	77°4	79°0	76°3	69°2	69°8	73°48
68°5	69°9	72°5	75°4	77°2	78°2	77°4	76°1	75°4	75°2	74°4	73°7	72°36
67°7	68°3	70°5	73°3	75°7	77°5	78°1	77°3	76°3	75°3	74°0	69°2	72°43
68°78	69°77	72°24	75°56	77°90	79°00	78°67	77°42	75°66	74°40	72°48	71°28	73°17
—	—	—	—	—	—	—	—	—	—	—	—	—
66°6	69°4	72°7	75°5	78°0	79°7	79°2	78°2	76°0	72°8	74°9	74°0	72°95
68°0	69°4	73°0	76°7	80°2	82°0	81°5	79°2	76°4	77°2	73°5	61°0	73°29
67°4	69°4	72°0	76°7	79°6	80°8	79°4	76°8	74°0	72°9	74°2	73°9	72°93
67°2	67°3	71°8	75°4	79°0	81°0	81°2	80°3	78°5	75°0	72°1	47°3	72°40
66°1	68°0	70°6	76°2	78°8	80°6	79°2	77°0	75°2	72°9	72°3	70°8	72°25
67°5	68°4	73°6	77°5	81°1	81°2	77°7	77°0	75°4	70°8	73°1	72°8	72°81
—	—	—	—	—	—	—	—	—	—	—	—	—
67°3	69°4	73°7	77°8	80°8	81°4	81°4	78°0	75°6	73°7	74°2	72°8	73°48
65°8	67°1	71°3	76°6	80°5	82°0	80°8	79°6	78°6	75°4	76°7	74°0	73°77
68°9	68°8	71°5	75°7	78°9	80°1	79°5	77°8	75°9	73°8	73°2	73°2	73°33
64°6	65°6	70°2	76°0	79°6	80°4	79°6	76°8	74°8	74°0	73°8	72°3	72°74
66°4	68°2	73°2	78°6	81°2	81°3	80°5	79°0	76°3	75°0	73°7	70°8	73°00
66°5	68°0	73°1	76°2	80°7	81°9	80°7	77°4	76°5	73°2	70°1	72°2	72°04
—	—	—	—	—	—	—	—	—	—	—	—	—
72°0	72°1	73°9	74°9	76°5	77°2	76°2	75°8	71°7	73°6	72°2	70°9	72°80
70°0	71°3	73°2	74°7	77°8	78°1	76°7	75°7	73°9	73°7	72°8	73°6	73°00
70°6	71°6	74°8	77°7	79°2	78°9	76°2	75°4	70°3	73°6	73°2	72°5	72°69
67°2	68°6	70°8	73°9	77°9	77°6	77°2	75°8	74°8	73°9	73°2	73°1	72°39
65°6	68°0	72°4	76°6	80°4	77°5	77°3	80°0	77°5	75°0	68°5	69°6	72°83
67°2	69°0	74°2	78°4	80°4	80°8	78°2	76°0	74°3	73°4	73°2	73°2	72°97
—	—	—	—	—	—	—	—	—	—	—	—	—
65°4	67°7	71°8	76°9	81°4	82°4	80°1	76°8	74°5	73°8	73°7	73°6	73°35
64°3	67°8	73°2	79°1	84°1	84°2	82°2	78°8	76°2	74°4	73°8	73°7	73°95
66°1	69°2	75°3	81°0	84°2	—	82°0	80°3	78°0	77°0	75°1	74°2	73°36
67°1	69°5	73°1	77°4	79°8	79°8	79°8	80°0	78°3	—	74°8	68°2	72°85
65°5	67°5	72°3	75°4	78°2	81°2	81°8	79°8	78°4	75°6	71°0	72°2	71°74
68°4	71°2	72°6	75°8	77°2	77°5	76°6	76°8	75°8	74°8	74°0	73°3	72°41
—	—	—	—	—	—	—	—	—	—	—	—	—
68°8	71°4	75°0	77°2	80°2	81°8	80°2	78°2	76°7	74°8	74°2	72°1	73°65
67°4	69°9	72°7	76°0	78°3	78°4	79°7	77°8	75°8	74°3	72°5	68°8	72°18
66°8	68°9	73°2	76°5	79°2	80°1	79°2	77°7	75°7	73°9	73°2	73°2	72°50
67°21	68°99	72°79	76°68	79°75	80°30	79°41	77°85	75°74	74°02	73°23	71°01	72°87

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'71. Increasing Numbers denote increasing Easterly Declination.													
Mean Göttingen Time. } 0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.		
NOVEMBER.	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	72°6	72°4	69°8	71°4	71°8	71°8	71°8	71°4	70°7	69°6	68°3	66°5
	2	73°8	73°6	74°9	72°4	73°3	70°8	71°8	72°8	71°0	70°2	66°9	67°4
	3	70°0	72°3	74°4	74°2	72°9	73°2	73°2	73°8	72°6	71°0	67°8	66°6
	4	69°8	71°8	72°4	—	—	—	—	—	—	—	—	—
	5	—	—	—	72°9	72°6	72°3	71°0	73°3	69°6	70°0	69°2	68°2
	6	72°7	72°1	71°6	71°2	69°8	71°6	71°8	72°1	70°0	69°0	68°0	66°3
	7	72°4	71°4	71°2	71°3	69°8	69°2	72°6	73°7	70°0	70°3	68°6	67°3
	8	72°2	72°6	75°0	68°4	—	67°8	71°5	71°2	69°0	69°0	66°5	65°9
	9	69°6	70°2	71°3	72°3	72°2	72°2	72°4	72°2	71°3	70°8	68°6	66°7
	10	72°8	73°0	72°5	72°6	73°4	72°0	72°2	72°0	70°5	69°8	67°1	65°8
	11	71°8	72°2	71°8	—	—	—	—	—	—	—	—	—
	12	—	—	—	72°3	72°6	72°4	72°4	72°3	73°0	72°2	69°1	66°0
	13	73°0	72°8	72°2	72°2	70°8	69°9	68°0	72°2	75°0	76°6	70°3	65°8
	14	69°2	71°2	72°0	71°8	72°0	73°7	74°5	73°2	73°1	70°4	69°0	69°5
	15	72°1	70°4	70°4	74°4	68°7	70°4	71°3	74°0	73°4	71°6	68°3	66°8
	16	73°3	72°8	72°6	72°7	71°9	71°3	71°2	75°0	72°9	70°3	69°3	68°1
	17	73°0	73°0	73°2	72°6	72°8	73°9	73°2	72°2	71°8	71°0	69°5	67°4
	18	73°7	73°6	72°6	—	—	—	—	—	—	—	—	—
	19	—	—	—	73°3	73°9	73°5	73°4	73°1	71°8	69°3	65°5	62°2
	20	72°8	72°8	73°6	73°4	73°2	73°1	73°2	72°5	—	67°9	64°5	62°9
	21	73°1	72°5	73°0	73°1	72°5	72°5	73°9	72°8	72°7	71°0	68°8	65°8
	22	72°8	71°4	—	72°2	73°0	73°0	73°2	73°2	72°3	70°2	67°8	65°2
	23	72°6	72°2	73°3	70°1	71°7	72°2	72°3	71°6	—	67°8	66°0	63°4
	24	72°0	60°1	69°8	69°4	69°5	70°8	71°4	69°4	68°5	68°0	65°8	62°9
	25	73°7	73°2	72°4	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	71°3	70°8	72°2	71°8	70°0	68°4	66°8	65°2
	27	73°7	73°3	73°1	72°9	72°4	72°3	71°8	71°7	—	69°9	68°8	68°0
	28	73°8	73°8	73°0	70°8	71°8	70°0	71°4	68°6	67°3	67°8	66°5	66°3
	29	73°6	68°7	69°7	66°8	67°2	69°6	70°8	71°0	69°8	69°3	67°4	64°6
30	73°7	73°6	72°5	73°3	71°8	71°7	70°4	70°0	69°6	69°1	68°2	65°8	
Hourly Means	72°45	71°81	72°33	71°92	71°72	71°62	72°03	72°20	71°13	70°02	67°79	66°02	
DECEMBER.	1	72°2	71°4	—	72°2	71°5	70°4	70°1	69°8	68°2	67°8	67°9	66°2
	2	69°4	70°0	67°5	—	—	—	—	—	—	—	—	—
	3	—	—	—	72°8	73°4	73°4	73°1	73°2	71°2	69°3	66°3	63°9
	4	73°4	73°2	72°8	71°4	71°9	72°6	71°8	70°8	68°8	66°3	63°5	61°6
	5	72°4	72°7	70°3	72°2	71°2	73°1	73°6	70°9	69°8	67°2	64°7	63°8
	6	72°3	70°1	69°9	71°9	72°1	72°0	72°0	71°2	70°1	67°8	65°2	64°8
	7	74°2	72°7	72°9	73°4	73°2	73°0	72°3	71°2	—	—	67°0	64°6
	8	73°7	73°0	72°8	72°8	68°1	64°7	69°7	73°5	—	64°8	68°6	64°8
	9	73°6	72°8	69°2	—	—	—	—	—	—	—	—	—
	10	—	—	—	70°0	72°8	86°3	72°3	74°8	71°0	69°7	66°4	64°6
	11	73°6	72°2	72°8	72°1	74°8	74°7	75°4	70°7	76°6	71°6	69°8	67°2
	12	73°8	71°6	63°0	71°0	70°9	71°2	74°8	75°2	74°8	72°2	70°3	65°7
	13	73°9	73°9	72°6	71°1	73°1	73°3	74°6	77°6	76°0	72°9	69°3	66°1
	14	72°9	73°0	73°0	72°0	72°6	72°8	72°8	72°3	71°8	70°8	70°0	68°0
	15	74°3	73°5	73°3	74°7	—	71°5	71°8	72°0	72°0	71°3	69°6	67°4
	16	74°4	74°0	73°7	—	—	—	—	—	—	—	—	—
	17	—	—	—	73°4	72°3	72°0	72°2	71°7	70°8	69°8	69°0	66°4
	18	74°3	73°9	72°2	72°0	70°7	70°0	70°2	69°9	70°8	69°8	68°2	66°1
	19	74°4	74°2	73°1	73°0	—	—	—	—	—	68°3	65°4	64°0
	20	72°0	71°1	71°8	71°0	71°0	70°4	70°8	70°3	69°0	67°3	65°2	64°4
	21	73°5	73°5	72°6	72°3	72°3	72°5	72°3	71°2	70°0	69°7	67°3	64°8
	22	73°7	73°4	73°4	73°3	73°2	73°6	74°1	73°4	72°4	70°1	68°6	65°7
	23	73°8	73°2	73°0	—	—	—	—	—	—	—	—	—
	24	—	—	—	73°0	73°5	73°5	73°0	72°8	72°4	72°2	71°7	68°3
	25	72°7	68°0	72°4	73°0	72°8	72°2	72°7	72°3	71°9	71°5	70°5	68°3
	26	72°8	71°8	71°8	71°6	72°3	71°7	72°3	72°7	72°8	71°8	70°2	67°7
	27	74°2	71°8	72°8	72°7	72°3	74°5	68°8	66°0	68°6	68°0	69°2	65°6
	28	73°0	72°5	65°2	64°2	69°2	70°7	71°3	69°0	71°9	71°4	70°1	68°2
	29	74°0	74°4	73°4	72°0	71°3	72°0	71°1	70°8	69°4	69°8	71°8	67°7
	30 ^a	74°1	73°9	72°8	—	—	—	—	—	—	—	—	—
	31 ^a	—	—	—	72°2	75°4	72°6	71°8	71°0	—	69°3	68°8	67°3
Hourly Means	73°30	72°48	71°48	71°96	72°02	72°59	72°21	71°80	71°38	69°64	68°23	65°84	

^a Not included in the means.

DECLINATION.												
Angular Value of one Scale Division of the Declinometer = 0'' 71. Increasing Numbers denote increasing Easterly Declination.												
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.
66·2	68·7	72·2	76·8	80·2	80·8	78·0	77·0	74·8	72·6	73·2	73·8	72·60
72·3	75·8	76·2	80·7	82·5	82·8	80·2	79·7	76·0	74·0	74·3	69·8	74·30
66·4	68·6	75·8	76·5	79·8	80·8	79·8	78·5	76·8	74·9	74·0	74·2	73·67
—	—	—	—	—	—	—	—	—	—	—	—	73·40
68·6	71·3	74·1	77·3	79·7	80·3	79·3	78·1	76·2	74·7	74·1	74·7	72·57
66·2	68·0	71·2	74·6	78·8	80·8	79·8	78·1	76·6	74·2	74·2	72·9	73·27
66·9	69·4	73·2	79·0	82·8	82·9	80·8	78·6	76·0	74·0	73·8	73·4	73·27
65·4	69·9	73·7	79·5	82·4	84·2	83·3	80·4	78·0	75·4	73·9	69·9	72·86
67·0	69·0	72·6	77·4	80·1	79·8	79·8	78·8	77·0	74·8	70·3	72·2	72·66
65·0	68·8	71·5	74·7	77·6	78·2	78·0	77·2	75·8	74·8	74·2	74·2	73·17
—	—	—	—	—	—	—	—	—	—	—	—	73·13
64·2	66·7	69·2	73·3	78·8	82·1	82·2	81·2	77·6	75·0	74·4	73·2	72·90
65·5	68·9	72·1	75·3	80·2	80·5	79·0	78·0	76·2	74·0	74·3	72·6	72·18
68·0	67·3	69·0	72·6	75·7	79·3	80·5	80·2	75·7	74·8	74·1	72·8	73·10
65·5	67·9	71·5	75·4	—	78·5	76·7	76·2	75·5	74·4	73·9	72·8	72·97
68·0	69·0	70·8	74·8	77·5	78·8	79·0	77·8	76·0	74·2	73·8	73·4	72·79
66·5	68·0	71·5	75·8	78·2	79·6	78·0	76·8	74·7	72·6	72·7	73·2	73·40
—	—	—	—	—	—	—	—	—	—	—	—	73·63
62·9	66·1	71·9	77·3	81·0	81·8	80·0	77·3	73·8	72·7	73·0	73·2	73·88
63·1	66·8	70·7	76·2	81·6	85·0	84·2	80·9	78·1	75·1	—	73·1	73·80
66·1	68·8	72·8	76·9	81·1	82·7	81·4	78·8	76·8	73·8	73·3	72·8	72·34
64·8	68·1	72·0	78·4	84·3	85·3	83·8	81·2	77·2	74·2	73·4	72·2	73·28
63·3	69·1	75·1	81·2	85·1	84·9	83·8	81·0	77·8	75·0	74·1	73·7	73·80
63·9	68·2	74·1	80·2	83·1	83·9	82·8	80·0	77·8	75·6	74·8	74·2	72·59
—	—	—	—	—	—	—	—	—	—	—	—	72·80
65·2	69·2	74·0	78·9	81·2	81·7	80·3	79·0	76·7	75·0	74·3	74·1	72·82
67·1	70·3	74·4	77·9	81·1	80·6	79·0	78·0	77·2	75·4	74·4	74·2	73·12
65·6	67·2	70·8	75·6	80·4	80·2	80·0	78·9	77·0	75·5	75·2	74·7	—
65·2	69·1	74·0	78·1	80·9	83·3	83·8	81·6	78·7	75·9	73·8	74·3	—
65·5	68·0	71·2	77·6	79·4	80·8	80·2	79·2	77·2	75·0	73·1	70·7	—
65·95	68·78	72·52	77·00	80·54	81·52	80·53	78·94	76·58	74·52	73·78	73·07	—
65·8	68·7	73·9	78·2	79·8	80·8	82·6	80·0	78·1	74·8	73·0	70·0	72·76
—	—	—	—	—	—	—	—	—	—	—	—	73·38
65·5	69·2	75·9	81·2	85·1	83·7	81·0	79·0	76·6	74·0	73·2	73·2	72·21
62·4	66·5	72·4	77·2	81·2	82·0	80·4	77·6	75·6	73·7	73·2	72·7	73·55
65·0	71·2	77·1	82·0	84·5	84·0	81·9	79·2	77·7	74·9	74·1	71·8	72·69
65·0	67·2	72·7	76·0	79·2	81·9	81·5	80·0	78·2	75·4	74·2	73·8	74·04
66·2	68·5	73·8	78·0	80·5	81·4	81·7	81·0	78·7	76·2	74·2	74·2	74·31
62·8	66·1	71·8	77·2	81·4	84·2	88·9	91·3	88·2	79·7	76·6	74·5	73·32
—	—	—	—	—	—	—	—	—	—	—	—	73·82
62·7	67·5	68·7	75·3	80·5	81·3	82·5	82·0	—	77·3	72·4	74·6	72·91
65·1	70·2	72·5	72·4	77·2	79·0	79·6	79·8	77·9	76·5	75·0	75·0	73·60
67·6	68·5	72·4	75·4	77·8	78·1	77·9	77·9	76·2	76·0	73·5	74·1	73·61
66·1	68·1	72·0	75·1	77·8	79·4	78·1	77·0	76·2	74·4	74·0	73·7	73·46
69·2	71·5	73·5	76·2	78·2	78·4	78·4	77·6	76·6	75·8	74·8	74·4	73·33
67·5	71·3	74·3	76·1	77·2	77·4	77·2	75·8	75·5	75·5	75·4	75·0	73·33
—	—	—	—	—	—	—	—	—	—	—	—	73·33
67·0	69·2	72·1	75·8	78·3	80·1	78·9	77·6	76·2	75·5	74·7	74·8	73·33
66·9	68·8	71·7	76·7	79·5	81·8	81·8	80·6	78·7	76·0	74·7	74·7	73·14
64·2	67·8	71·2	75·8	79·0	81·0	80·4	79·0	77·3	74·8	75·1	71·6	72·55
63·6	65·6	69·2	75·8	80·7	83·4	83·2	82·0	78·9	76·3	74·4	73·9	72·92
63·9	65·0	67·8	72·9	79·4	81·7	82·8	81·8	79·1	75·7	74·2	73·8	73·87
63·8	64·8	68·5	74·9	81·0	83·8	84·0	83·2	80·0	76·4	73·7	73·8	74·40
—	—	—	—	—	—	—	—	—	—	—	—	73·60
65·2	65·9	69·9	75·2	80·0	83·7	83·8	83·7	81·1	77·9	74·5	74·4	74·24
66·2	66·7	69·8	74·9	79·0	81·8	81·6	81·4	79·5	77·7	76·0	—	72·52
67·7	68·6	73·3	76·1	79·3	82·1	82·6	82·2	80·7	79·0	76·4	74·2	72·70
65·5	66·4	68·7	72·3	75·7	78·2	79·2	79·8	79·9	79·4	76·5	74·3	73·06
68·4	69·1	72·6	75·4	79·2	81·2	80·2	79·0	77·5	76·3	75·2	74·0	—
66·6	68·4	70·1	73·8	76·5	78·2	78·5	79·1	79·5	78·0	73·2	73·8	—
—	—	—	—	—	—	—	—	—	—	—	—	—
65·4	66·1	67·5	—	—	—	—	—	—	—	—	—	—
65·60	68·03	71·84	76·00	79·52	81·14	81·15	80·30	78·50	76·29	74·49	73·76	73·33

HORIZONTAL FORCE.													
One Scale Division = '000120 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah° = '000234.													
Mean Götting- gen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
JANUARY.	1	—	—	—	68·0	67·8	73·7	73·4	72·1	73·7	71·8	73·5	
	2	74·2	67·8	71·2	81·4	73·6	66·0	65·7	63·2	66·1	65·0	65·2	
	3	65·5	66·0	67·6	67·7	70·5	71·4	71·9	71·7	75·4	72·4	70·3	
	4	62·6	63·3	62·8	69·5	64·7	65·6	65·8	66·6	69·3	70·0	71·4	70·4
	5	63·8	63·0	63·8	63·8	64·4	66·3	69·4	68·8	60·7	70·7	70·1	67·5
	6	66·7	66·5	67·2	68·6	69·0	71·9	72·0	72·4	72·8	71·9	71·1	70·3
	7	76·9	78·1	75·4	—	—	—	—	—	—	—	—	—
	8	—	—	—	78·3	78·4	78·3	78·5	79·6	80·4	81·6	81·1	77·9
	9	77·8	79·8	78·5	77·2	76·3	77·7	79·0	81·8	81·3	79·1	80·1	78·8
	10	73·4	73·5	71·8	72·8	74·5	77·8	75·3	77·2	77·4	76·8	73·1	69·7
	11	73·2	73·6	74·1	74·2	75·0	72·0	71·2	69·1	73·4	71·6	73·0	72·1
	12	67·6	69·4	70·9	70·1	69·3	69·6	70·9	72·1	72·7	71·4	68·7	65·9
	13	65·4	67·1	65·5	72·4	65·3	62·6	63·8	64·2	—	64·5	63·6	62·2
	14	69·4	70·3	72·1	—	—	—	—	—	—	—	—	—
	15	—	—	—	72·5	72·3	73·1	72·0	75·1	74·5	73·1	69·9	65·4
	16	78·6	77·3	76·3	74·4	—	79·8	80·8	80·2	80·1	79·5	77·9	70·0
	17	76·0	73·6	75·4	75·7	79·5	80·9	79·5	78·0	—	78·7	75·1	68·1
	18	74·4	75·9	76·2	79·4	76·5	76·4	76·0	77·7	78·0	77·3	74·3	71·5
	19	62·3	62·4	65·8	64·0	65·0	65·0	66·9	67·9	69·2	70·4	70·2	67·2
	20	65·3	74·2	64·4	68·0	69·7	71·8	76·7	76·8	77·3	78·0	78·9	79·4
	21	75·0	77·1	77·9	—	—	—	—	—	—	—	—	—
	22	—	—	—	—	83·7	90·8	90·4	87·3	87·4	85·0	86·5	83·3
	23	71·7	72·8	73·0	73·6	76·2	75·1	75·3	76·4	75·4	80·4	82·1	78·2
	24	61·4	61·7	62·7	62·1	—	—	66·1	66·6	65·9	66·5	65·0	63·2
	25	53·5	55·1	57·5	60·3	62·6	62·7	62·0	61·3	61·8	60·6	66·6	66·3
	26	67·3	68·2	68·4	68·6	69·3	70·6	71·8	72·7	71·0	70·6	69·0	67·9
	27	66·5	66·9	68·6	69·5	71·0	73·2	72·1	68·6	74·6	71·8	70·6	69·8
	28	67·7	71·5	72·0	—	—	—	—	—	—	—	—	—
	29	—	—	—	70·2	71·4	71·3	72·4	73·6	77·6	76·3	66·0	62·8
	30	75·6	72·3	78·1	74·1	75·2	76·3	77·4	77·7	78·2	75·2	74·8	72·1
	31	77·4	77·4	80·4	80·7	—	79·3	76·6	78·7	—	—	80·3	75·8
Hourly Means	69·58	70·18	70·68	71·43	71·72	73·05	73·11	73·24	73·93	73·47	72·90	70·08	
TEMPERATURE OF THE BIFILAR MAGNET.													
JANUARY.	1	—	—	—	65·8	65·4	65·0	64·2	63·6	62·8	63·0	62·6	63·4
	2	67·0	66·5	66·2	65·8	65·0	64·5	64·0	64·0	63·4	63·0	62·8	62·6
	3	66·6	66·0	65·0	65·0	64·0	63·2	62·6	62·0	61·2	61·2	61·0	61·4
	4	69·0	68·4	67·6	67·4	66·2	66·0	65·5	65·2	64·5	64·0	64·0	64·0
	5	69·5	68·6	68·0	67·6	67·0	66·0	65·8	65·0	64·8	64·6	64·4	64·4
	6	68·0	67·2	66·6	66·2	65·4	64·5	64·0	63·0	62·0	62·2	62·2	62·4
	7	64·6	64·2	63·8	—	—	—	—	—	—	—	—	—
	8	—	—	—	60·0	60·0	60·0	59·6	59·0	59·0	58·6	58·4	58·2
	9	61·0	60·2	60·0	61·0	60·0	59·2	58·8	58·2	57·8	57·8	57·8	58·0
	10	64·0	63·6	63·0	63·2	62·0	61·5	61·4	61·0	61·0	61·0	60·5	61·0
	11	65·8	65·6	65·6	65·6	65·0	64·2	64·0	63·5	63·2	63·0	62·8	62·6
	12	65·0	64·5	64·0	64·5	64·2	63·6	63·4	62·8	62·4	62·4	62·5	63·0
	13	68·0	67·8	67·6	67·6	67·5	67·6	67·4	67·6	—	67·0	67·0	67·0
	14	64·8	64·0	64·0	—	—	—	—	—	—	—	—	—
	15	—	—	—	63·2	63·0	62·8	62·2	62·0	61·5	61·5	61·5	61·8
	16	62·0	61·8	61·6	61·8	—	60·8	60·6	60·6	60·2	60·0	60·0	60·0
	17	64·0	63·8	63·2	63·5	61·8	61·0	60·2	60·0	—	59·4	59·2	59·2
	18	63·2	62·2	62·2	62·2	62·0	61·4	60·8	60·4	59·8	59·8	60·8	61·0
	19	71·5	70·8	70·5	70·0	69·0	68·2	67·6	67·6	66·2	66·0	66·2	66·5
	20	69·0	68·0	67·0	66·4	65·0	64·0	63·0	62·0	61·0	60·5	59·8	60·0
	21	64·0	63·0	62·2	—	—	—	—	—	—	—	—	—
	22	—	—	—	—	58·2	58·0	57·6	57·4	57·2	56·2	56·0	56·0
	23	63·0	62·8	62·5	62·2	61·0	60·8	60·0	59·5	59·0	58·8	58·6	59·0
	24	71·2	70·6	70·0	70·0	—	—	67·6	67·2	66·8	66·6	66·8	67·2
	25	74·2	73·2	71·8	71·2	69·4	68·5	67·8	67·8	67·4	66·5	65·8	65·4
	26	67·2	66·8	66·0	66·0	65·2	64·6	64·2	63·6	63·2	63·2	63·8	63·8
	27	70·0	69·0	68·5	68·0	66·8	66·2	65·4	65·0	64·0	63·8	63·5	63·2
	28	65·6	65·0	64·6	—	—	—	—	—	—	—	—	—
	29	—	—	—	63·0	63·2	63·8	63·5	62·8	62·0	61·4	61·2	61·2
	30	62·9	62·0	61·2	61·0	60·2	59·6	59·2	58·8	58·6	58·2	57·8	58·0
	31	61·5	60·6	60·2	60·2	—	59·2	59·0	58·5	—	—	57·2	57·8
Hourly Means	66·22	65·62	65·11	64·94	64·02	63·24	62·94	62·52	62·04	61·91	61·64	61·78	

HORIZONTAL FORCE.

One Scale Division = '000120 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. 60·5	Sc. Div. 56·6	Sc. Div. 54·2	Sc. Div. 57·4	Sc. Div. 68·7	Sc. Div. 70·4	Sc. Div. 68·0	Sc. Div. 63·0	Sc. Div. 67·7	Sc. Div. 60·1	Sc. Div. 63·0	Sc. Div. 65·8	Sc. Div. 66·42
52·1	51·3	56·3	57·7	61·4	65·0	62·6	63·2	60·1	60·7	62·8	65·6	64·22
65·1	62·3	58·0	55·7	61·7	63·7	64·4	68·3	60·1	59·2	61·6	62·4	65·88
68·1	62·6	57·4	54·2	58·4	62·0	65·5	62·8	63·8	62·4	63·7	61·6	64·35
64·9	63·9	60·5	61·1	63·0	70·5	69·9	68·4	64·6	64·0	65·2	67·0	65·85
68·4	67·8	69·2	66·9	70·9	68·6	70·6	71·9	73·5	74·2	75·1	76·6	70·59
—	—	—	—	—	—	—	—	—	—	—	—	—
76·9	76·2	75·5	76·6	77·7	79·1	81·8	82·8	81·0	78·0	79·1	75·8	78·54
77·4	73·5	70·3	68·7	69·3	73·1	73·8	73·7	71·2	71·2	71·1	72·7	75·14
68·4	61·4	72·7	70·3	72·0	73·8	74·4	74·4	74·6	73·1	71·9	74·6	73·12
73·1	68·0	62·0	58·4	60·0	65·4	67·7	68·3	68·4	68·9	68·6	67·5	69·53
65·7	64·5	63·1	62·4	63·1	65·9	66·0	66·0	67·5	62·5	65·5	65·8	67·36
58·1	50·8	46·9	48·6	56·8	64·1	69·8	69·0	67·1	66·5	67·1	69·0	63·06
—	—	—	—	—	—	—	—	—	—	—	—	—
63·1	64·0	66·8	68·8	72·0	74·9	79·7	76·1	74·7	71·9	74·4	75·3	71·73
74·5	74·8	74·2	74·8	82·8	80·8	78·9	77·4	78·7	78·3	77·4	76·8	77·58
66·7	64·7	67·7	71·8	76·1	80·2	78·6	72·5	—	73·4	74·2	73·4	74·54
67·0	66·4	65·7	67·3	67·3	66·0	66·3	63·6	59·8	60·9	59·1	61·5	70·19
67·0	63·9	61·3	59·3	58·2	58·4	61·3	60·7	59·2	59·8	61·6	65·0	63·83
77·3	78·9	78·5	77·0	77·3	76·1	73·5	74·2	76·6	74·2	73·6	73·7	74·64
—	—	—	—	—	—	—	—	—	—	—	—	—
85·0	92·5	80·1	76·9	78·8	71·4	72·2	72·2	69·2	70·3	70·3	72·3	79·81
71·5	70·2	69·2	65·4	57·4	60·5	60·6	60·2	60·7	60·6	59·5	61·4	69·48
62·3	60·5	58·3	51·6	49·3	51·8	49·7	53·6	51·0	51·3	50·5	52·0	58·32
66·0	65·0	65·6	63·4	62·5	61·2	62·0	63·7	63·8	65·8	64·9	66·4	62·53
65·8	64·3	60·9	60·4	61·6	64·0	64·2	62·2	61·5	61·2	63·6	65·2	66·26
69·6	66·7	65·2	65·8	65·0	69·2	72·1	71·6	71·3	69·6	72·0	71·2	69·69
—	—	—	—	—	—	—	—	—	—	—	—	—
64·9	70·1	69·9	71·9	65·0	72·7	75·5	71·8	70·8	72·2	73·0	71·6	70·93
68·8	69·8	72·6	75·7	77·1	79·5	80·6	77·4	76·1	76·0	77·3	75·5	75·56
72·8	68·8	76·3	66·3	67·8	68·5	69·2	72·1	72·5	70·3	70·3	70·0	73·88
68·19	66·65	65·87	64·98	66·90	68·77	69·59	68·93	67·90	67·28	68·01	68·73	69·76

TEMPERATURE OF THE BIFILAR MAGNET.

64·4	64·8	66·2	67·0	67·2	68·0	68·0	68·0	68·2	68·0	68·0	67·4	65·76
63·2	63·5	64·8	65·8	67·0	68·0	68·5	69·0	68·8	68·8	68·2	67·2	65·73
61·8	62·0	63·0	65·2	66·6	67·6	68·4	69·2	70·0	70·4	70·0	69·6	65·13
64·0	64·6	65·6	67·2	68·0	68·8	69·5	69·0	70·0	70·2	70·0	69·8	67·02
64·2	64·6	65·4	66·0	66·4	67·4	68·6	68·8	68·8	68·8	69·0	68·8	66·77
62·6	63·0	63·2	64·2	65·2	65·8	66·0	66·0	66·0	65·8	65·4	65·0	64·66
—	—	—	—	—	—	—	—	—	—	—	—	—
58·0	58·8	58·5	58·8	59·0	59·2	60·0	60·8	61·0	61·2	61·0	61·0	60·11
58·0	59·0	59·4	61·0	62·0	62·2	63·0	63·6	64·0	64·0	64·4	64·2	60·19
61·6	62·4	63·6	64·8	65·0	65·5	66·2	66·6	67·2	67·0	66·6	66·2	63·58
63·0	63·8	65·0	65·8	66·5	67·0	67·0	67·5	67·0	67·0	66·0	65·5	65·04
63·0	63·0	63·4	64·0	64·6	65·0	65·4	65·8	66·8	67·6	68·0	68·0	64·45
67·4	67·4	68·4	69·0	68·6	68·0	68·0	68·0	68·0	67·0	66·4	65·6	67·56
—	—	—	—	—	—	—	—	—	—	—	—	—
62·8	62·6	62·0	63·0	62·6	62·6	62·4	62·2	62·2	62·4	62·2	62·0	62·55
60·0	60·4	61·0	62·0	62·4	63·6	64·0	64·5	65·0	65·0	64·5	64·5	62·13
59·5	60·0	60·8	62·0	62·4	63·0	63·6	64·0	—	64·0	64·0	64·0	61·94
62·0	63·0	64·4	65·2	66·8	68·2	69·8	71·0	72·0	72·6	72·2	72·0	64·79
66·6	67·0	68·5	70·2	71·5	72·0	72·8	72·0	72·5	72·2	71·5	70·0	69·45
59·8	60·2	60·8	61·6	62·2	63·8	64·8	65·0	65·2	65·2	65·4	65·0	63·55
—	—	—	—	—	—	—	—	—	—	—	—	—
56·8	57·2	58·6	60·0	60·8	62·0	63·4	64·5	64·5	64·8	64·4	63·8	62·87
60·2	61·2	63·0	64·5	66·2	67·2	69·0	70·5	71·8	72·2	72·0	71·8	64·03
68·0	68·2	69·0	71·0	72·0	73·5	75·8	75·8	75·8	76·0	76·0	75·2	70·92
64·8	64·8	64·8	65·8	66·8	68·0	68·0	69·2	69·0	68·5	68·0	67·6	66·43
64·5	66·0	67·0	68·8	70·0	71·0	71·8	72·0	72·2	71·8	71·0	70·5	67·26
64·2	65·5	66·8	68·0	67·8	67·4	67·8	67·2	66·8	66·6	66·5	66·2	66·43
—	—	—	—	—	—	—	—	—	—	—	—	—
61·0	60·8	61·2	62·2	63·0	64·0	64·2	64·2	64·0	63·8	63·0	62·5	62·97
57·6	58·0	58·0	59·0	59·4	60·0	61·0	61·6	62·0	62·0	62·0	62·0	59·97
58·4	59·4	60·8	61·8	63·0	64·6	65·6	66·8	67·2	67·0	66·8	66·4	62·00
62·50	62·64	63·45	64·59	65·30	66·05	66·76	67·14	67·54	67·40	67·33	66·73	64·56

HORIZONTAL FORCE.												
One Scale Division = '000120 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah° = '000234.												
Mean Göttingen Time. } FEBRUARY.	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	70·5	70·2	69·7	69·7	72·1	73·6	75·3	76·9	75·6	76·7	73·1	68·3
2	61·2	62·5	63·5	62·9	67·3	65·7	67·2	68·1	69·4	68·7	69·3	67·5
3	65·5	65·4	65·9	66·2	66·3	67·6	67·6	68·8	69·0	69·5	68·4	65·0
4	61·8	62·0	62·0	—	—	—	—	—	—	—	—	—
5	—	—	—	73·1	72·3	74·0	74·7	75·4	76·7	75·3	75·0	73·4
6	69·2	66·7	77·5	62·4	66·5	69·1	69·8	68·2	75·8	76·2	77·0	72·7
7	62·4	64·1	62·1	65·5	65·8	66·1	67·2	64·5	70·0	72·1	70·0	66·5
8	56·7	58·8	61·0	62·7	59·4	60·3	61·6	62·3	63·4	62·7	62·9	59·5
9	68·6	69·2	68·2	72·5	65·1	65·2	67·5	69·3	69·7	68·6	66·9	63·5
10	66·2	65·8	—	64·4	65·4	66·7	68·3	67·2	67·9	68·7	68·8	65·2
11	66·5	67·0	68·8	—	—	—	—	—	—	—	—	—
12	—	—	—	57·2	59·4	60·2	60·4	60·7	63·9	63·5	64·2	59·3
13	58·2	62·2	61·8	73·4	80·2	68·6	64·2	67·3	72·0	71·4	68·7	70·2
14	73·7	80·2	70·5	72·4	80·9	77·0	78·0	80·3	80·8	76·8	79·3	77·3
15	76·5	75·6	77·0	79·0	79·2	79·5	78·7	79·0	78·0	77·3	77·2	73·9
16	66·7	69·1	71·3	71·5	73·9	73·3	72·2	73·2	75·6	73·0	72·0	70·1
17	71·8	72·9	72·5	75·5	82·1	78·1	79·4	77·6	—	82·2	81·0	75·5
18	74·0	74·4	74·9	—	—	—	—	—	—	—	—	—
19	—	—	—	73·9	72·8	75·6	77·8	74·0	74·1	75·3	76·7	76·4
20	68·7	69·4	70·6	70·5	70·9	74·2	75·4	72·6	72·6	73·8	74·6	69·5
21	67·9	69·6	70·9	68·9	70·1	70·3	70·4	71·2	—	72·1	71·8	70·5
22	59·2	60·9	62·1	62·0	62·3	63·5	65·4	68·1	69·3	69·8	73·2	67·9
23	62·1	63·3	64·0	64·4	64·5	66·3	68·1	68·8	69·9	71·4	69·7	67·7
24	49·8	53·5	49·4	42·1	50·7	56·1	—	59·3	59·3	54·4	52·2	52·1
25	67·4	65·2	68·9	—	—	—	—	—	—	—	—	—
26	—	—	—	76·5	77·5	79·3	81·7	81·8	83·5	83·0	82·2	80·9
27	80·7	82·1	82·9	82·1	82·8	83·0	83·3	84·7	84·3	84·8	82·1	79·5
28	77·7	77·3	76·8	77·0	78·6	78·1	79·0	79·4	80·2	82·3	81·7	79·8
Hourly Means	66·79	67·81	68·36	68·58	70·25	70·47	71·88	71·61	72·77	72·90	72·42	69·68
TEMPERATURE OF THE BIFILAR MAGNET.												
FEBRUARY.	°	°	°	°	°	°	°	°	°	°	°	°
1	66·0	65·2	64·4	64·2	63·2	63·0	62·0	61·2	61·0	60·6	60·4	60·4
2	71·2	70·5	70·0	70·0	68·8	67·8	67·0	66·6	65·2	65·0	64·8	64·8
3	69·8	69·0	68·6	68·6	68·0	67·8	67·6	67·0	66·5	66·2	66·5	67·0
4	73·5	73·0	73·0	—	—	—	—	—	—	—	—	—
5	—	—	—	62·8	62·6	62·4	62·0	61·8	61·8	61·6	61·5	61·5
6	67·2	66·6	66·0	66·2	65·6	65·2	64·5	64·0	64·0	63·0	62·5	62·2
7	69·0	68·4	68·0	67·8	67·0	66·0	65·0	65·0	64·4	64·8	63·6	63·6
8	72·5	72·0	71·5	71·0	71·2	70·6	70·2	69·6	69·0	68·2	68·2	67·8
9	66·6	66·2	65·8	65·8	65·2	64·8	64·2	64·2	64·2	64·0	63·5	63·8
10	68·0	67·2	—	66·5	66·2	66·0	65·7	65·2	64·8	64·6	64·4	64·4
11	68·8	68·2	68·0	—	—	—	—	—	—	—	—	—
12	—	—	—	74·0	73·0	71·8	71·6	71·2	70·2	69·6	69·2	69·6
13	73·0	72·2	71·8	70·8	70·0	69·0	68·0	67·0	65·4	64·4	63·5	63·0
14	62·4	61·5	60·0	60·0	59·0	58·4	57·8	57·6	57·2	57·2	57·4	58·0
15	61·6	61·2	60·6	60·4	60·2	59·8	59·2	60·0	59·0	59·0	58·5	59·4
16	66·5	66·0	65·6	65·5	65·0	65·0	64·4	64·2	64·2	64·0	63·6	63·6
17	64·0	64·0	63·5	63·2	63·0	62·4	62·0	61·6	—	61·0	60·6	60·8
18	63·4	63·0	62·8	—	—	—	—	—	—	—	—	—
19	—	—	—	65·0	64·5	64·0	64·0	63·5	63·6	63·4	63·0	63·2
20	67·0	66·6	66·0	65·5	65·4	64·6	64·4	64·0	63·8	63·8	63·8	63·2
21	66·8	66·4	66·4	66·4	65·5	65·4	65·2	65·0	—	64·5	65·0	65·0
22	71·0	70·5	70·0	70·0	69·2	69·0	68·0	67·2	66·6	66·2	65·8	65·6
23	71·0	70·5	70·0	70·0	69·4	68·8	68·2	68·0	67·5	67·0	67·0	67·0
24	73·0	72·0	71·6	71·2	71·0	70·0	—	71·2	69·0	69·0	69·2	69·2
25	67·4	66·0	65·2	—	—	—	—	—	—	—	—	—
26	—	—	—	60·0	59·8	59·4	59·0	58·6	58·0	57·8	57·5	58·0
27	59·2	59·0	58·6	58·8	58·5	58·5	58·2	57·8	58·0	57·8	58·0	58·0
28	61·6	61·2	61·0	61·2	61·0	61·0	60·6	60·7	60·2	60·0	59·6	59·8
Hourly Means	67·52	66·93	66·45	66·04	65·51	65·03	64·30	64·26	63·80	63·45	63·21	63·29

HORIZONTAL FORCE.												
One Scale Division = '000120 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.
65.0	62.5	61.6	61.9	64.4	65.1	64.5	63.2	63.3	62.6	61.4	61.8	67.88
66.1	63.6	61.0	58.8	61.2	63.7	63.1	62.8	63.4	63.6	64.0	64.2	64.53
59.5	55.8	54.7	57.5	50.0	62.3	60.4	60.8	57.8	58.2	60.0	61.5	62.65
—	—	—	—	—	—	—	—	—	—	—	—	70.14
71.0	68.0	63.3	64.9	68.5	72.4	73.2	73.0	69.8	67.8	68.3	67.4	65.93
61.8	61.0	58.0	52.7	56.1	57.0	60.9	64.4	65.8	65.3	68.1	60.0	61.25
63.2	60.4	58.7	57.4	57.3	57.9	52.7	53.0	53.1	52.2	53.5	54.3	59.83
59.1	55.5	53.5	49.7	45.4	54.1	58.2	63.4	66.2	65.5	66.9	67.1	65.40
61.9	64.6	66.4	66.4	65.0	64.6	61.6	58.7	56.7	61.8	63.0	64.7	66.36
62.0	62.4	61.5	64.5	68.7	—	71.6	67.3	66.5	66.7	67.3	66.9	59.92
—	—	—	—	—	—	—	—	—	—	—	—	67.27
55.6	52.0	53.4	60.5	50.0	54.4	58.2	61.7	62.7	60.0	58.0	60.5	74.45
67.9	57.3	61.8	62.3	66.8	70.0	67.9	65.9	62.5	65.0	73.3	75.5	71.70
72.7	67.7	65.8	64.3	67.0	71.0	74.2	70.6	77.8	77.1	76.0	75.4	69.60
67.9	64.9	56.1	62.5	64.7	66.4	68.2	68.0	67.3	68.8	68.5	66.4	73.93
65.6	63.5	60.6	59.3	63.5	62.1	71.8	75.7	76.7	69.4	69.4	71.0	69.54
73.1	69.4	64.6	62.7	64.6	70.8	74.6	76.5	75.9	72.8	72.9	73.8	68.63
—	—	—	—	—	—	—	—	—	—	—	—	64.91
72.3	70.3	59.7	53.0	56.1	59.7	64.6	64.7	66.5	67.0	67.2	67.9	62.76
60.8	54.8	62.1	66.9	66.7	65.2	66.5	67.5	69.2	67.9	68.9	67.9	60.27
66.7	62.8	59.7	60.5	60.7	59.5	59.9	57.9	56.8	56.2	59.1	59.5	55.14
64.7	62.7	57.9	56.9	57.3	59.3	61.9	61.0	61.2	59.8	59.6	60.2	77.23
63.0	57.4	50.7	48.8	51.2	53.5	57.7	61.4	57.5	53.5	49.3	42.3	78.36
47.5	43.7	50.0	53.9	55.0	56.3	59.1	63.5	63.6	64.2	67.0	65.5	72.42
—	—	—	—	—	—	—	—	—	—	—	—	—
75.8	73.0	73.0	72.3	71.9	75.6	78.9	80.2	81.2	81.1	81.7	80.8	67.12
75.6	70.1	65.0	64.9	69.5	77.0	79.1	81.1	80.0	74.8	75.6	75.7	66.03
73.8	67.2	62.1	60.5	63.8	66.6	66.1	65.6	65.5	65.9	66.3	66.8	65.71
65.94	62.11	60.05	60.13	61.06	63.67	65.62	66.16	66.13	65.30	66.05	65.71	67.12
TEMPERATURE OF THE BIFILAR MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
60.6	61.8	63.2	65.0	67.0	69.0	70.5	72.0	72.0	72.0	72.0	72.0	65.36
65.0	65.0	—	68.0	69.0	69.6	70.4	70.8	70.8	70.8	70.6	70.2	68.34
67.2	68.2	69.4	71.0	72.0	74.0	74.8	74.8	74.8	75.0	74.2	73.8	70.07
—	—	—	—	—	—	—	—	—	—	—	—	65.46
62.0	62.0	63.5	65.0	65.8	66.6	67.6	68.0	68.5	68.5	68.2	67.8	66.11
62.5	63.4	64.4	65.8	67.0	68.2	69.0	70.0	69.8	70.0	70.0	69.6	68.05
64.4	66.0	66.8	68.8	69.5	70.0	71.0	72.0	73.0	73.0	73.0	73.0	69.87
68.0	69.0	69.5	70.5	71.0	71.0	71.0	71.2	69.4	68.5	68.4	67.5	66.69
64.2	64.8	66.8	68.2	69.2	70.0	70.4	70.7	70.2	69.8	69.4	68.6	66.26
64.2	64.0	64.0	64.8	65.2	—	66.4	69.0	69.0	69.8	69.4	69.0	72.02
—	—	—	—	—	—	—	—	—	—	—	—	66.20
69.8	71.5	72.2	73.2	73.5	74.4	75.0	75.0	75.0	75.0	74.6	74.0	59.88
63.0	63.2	64.2	64.8	64.8	65.0	65.0	65.2	64.8	64.0	63.5	63.0	62.55
58.5	59.0	59.2	60.0	60.6	61.0	61.6	62.0	62.2	62.2	62.2	62.2	64.90
60.2	61.2	63.2	63.4	65.2	65.8	66.2	67.0	67.5	67.4	67.8	67.4	62.62
63.5	63.8	64.4	65.0	66.0	66.0	66.0	65.8	65.4	65.0	64.8	64.2	65.29
61.2	61.0	61.2	62.0	62.6	63.2	63.6	63.8	64.0	64.0	64.0	63.6	65.01
—	—	—	—	—	—	—	—	—	—	—	—	67.99
63.0	64.2	64.5	66.5	67.2	68.0	68.5	68.8	69.0	68.6	68.0	67.2	69.21
63.5	63.5	63.4	64.0	64.2	64.6	65.2	66.0	66.8	67.0	67.0	67.0	70.31
65.0	65.8	67.0	68.0	69.2	70.8	72.0	73.0	73.5	73.5	72.6	71.8	69.57
65.8	66.5	67.5	69.5	70.0	71.4	71.6	72.2	72.0	72.2	72.0	71.2	59.93
67.0	68.2	69.4	70.6	71.8	72.4	73.2	74.0	74.6	74.4	74.0	73.5	59.57
69.4	69.4	69.4	68.8	68.8	68.6	68.4	68.8	68.6	68.2	67.8	67.4	59.57
—	—	—	—	—	—	—	—	—	—	—	—	59.93
57.5	58.0	58.0	59.0	59.6	60.0	60.2	60.0	60.0	60.0	59.8	59.5	59.57
57.8	58.4	59.0	59.8	60.4	60.6	61.0	62.2	62.8	62.6	62.6	62.0	63.73
60.4	62.0	63.5	64.4	66.0	67.2	69.0	70.0	70.0	70.0	70.0	69.0	66.03
63.49	64.16	64.94	66.09	66.90	67.71	68.23	68.85	68.90	68.81	68.58	68.10	66.03

HORIZONTAL FORCE.													
One Scale Division = '000120 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.													
Mean Göttingen Time. } 0h. 1h. 2h. 3h. 4h. 5h. 6h. 7h. 8h. 9h. 10h. 11h.													
MARCH.	1	67.6	68.0	68.0	68.7	69.4	71.5	71.5	74.2	75.1	73.9	74.0	70.7
	2	66.2	68.3	68.9	70.6	73.3	72.4	74.9	75.4	79.6	78.5	78.9	76.5
	3	80.5	82.1	79.5	79.6	80.8	80.9	82.1	82.2	83.0	84.2	84.7	82.0
	4	74.8	74.7	77.1	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	76.5	75.6	75.2	74.9	80.8	79.9	82.9	84.3
	6	73.3	75.2	74.2	72.5	76.1	74.6	81.3	78.9	79.6	80.2	72.1	71.9
	7	54.8	73.1	60.9	57.0	60.5	69.5	65.1	70.8	67.4	62.3	—	61.1
	8	62.7	63.5	65.8	66.2	67.4	66.6	65.9	67.2	67.8	68.6	69.2	67.0
	9	62.2	63.6	66.1	66.8	68.3	69.0	75.0	72.2	—	70.0	74.1	72.4
	10	73.9	74.1	75.1	75.2	73.6	76.7	75.8	76.4	77.2	76.9	79.1	78.0
	11	82.7	84.9	82.7	—	—	—	—	—	—	—	—	—
	12	—	—	—	73.8	78.4	73.0	73.8	76.9	69.7	76.4	68.4	67.3
	13	82.9	76.8	78.1	75.7	80.3	83.8	82.3	82.8	—	81.8	82.9	79.0
	14	78.0	78.4	78.8	79.0	88.0	86.9	81.6	80.3	83.6	81.8	81.8	81.9
	15	77.5	77.7	78.8	79.6	79.3	79.5	79.5	79.9	82.9	82.9	82.2	80.1
	16	65.4	67.4	68.6	69.0	68.0	71.1	72.3	73.6	76.8	76.6	76.9	72.3
	17	64.1	64.2	65.2	65.4	66.3	66.6	70.5	72.2	72.3	69.5	71.2	68.3
	18	67.5	62.1	68.4	—	—	—	—	—	—	—	—	—
	19	—	—	—	77.8	79.3	79.9	81.5	82.3	81.6	83.6	80.6	77.5
	20	68.1	69.2	72.3	72.0	71.3	71.0	72.7	74.2	76.3	76.1	73.6	74.1
	21	72.2	73.1	72.3	72.3	72.6	74.2	74.7	73.6	72.8	70.5	74.4	—
	22	69.9	71.8	71.6	81.1	69.4	71.1	73.5	74.8	75.0	77.2	74.5	75.3
	23	61.6	62.3	59.7	63.5	62.4	64.6	66.0	60.7	65.4	63.5	63.3	66.5
	24	78.8	77.2	75.9	78.0	81.0	82.5	82.1	81.7	—	83.5	82.8	81.3
	25	79.0	78.8	77.3	—	—	—	—	—	—	—	—	—
	26	—	—	—	78.2	78.7	78.3	77.2	77.2	76.9	78.4	77.6	75.6
	27	78.9	80.7	79.8	79.0	81.8	80.7	82.0	83.1	87.6	88.5	88.2	84.6
	28	70.8	70.7	70.6	69.5	70.7	72.4	72.7	73.2	73.4	73.3	73.1	70.9
	29	62.2	59.6	64.8	62.9	53.2	61.7	63.1	62.4	63.5	60.3	56.9	62.3
	30	63.3	66.5	64.3	62.7	62.8	67.3	—	61.9	59.5	62.0	63.4	61.5
	31	71.3	71.3	72.7	73.2	74.0	75.1	77.5	77.8	78.6	77.2	77.4	75.2
Hourly Means	71.07	71.17	71.18	71.19	71.23	71.39	71.50	71.48	71.53	71.55	71.55	71.38	
TEMPERATURE OF THE BIFILAR MAGNET.													
MARCH.	1	69.0	68.0	68.0	68.0	67.0	66.2	65.4	64.8	64.0	63.5	63.5	64.5
	2	67.0	66.4	66.2	65.6	64.5	63.4	62.8	62.2	61.0	61.0	61.0	60.5
	3	61.2	60.2	60.0	60.2	60.0	60.0	59.5	59.2	59.0	58.6	58.6	58.8
	4	65.2	65.0	64.6	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	62.2	62.0	61.8	61.5	61.0	60.8	60.5	60.0
	6	64.2	63.8	63.0	63.2	62.0	62.0	62.0	61.0	60.6	60.2	60.0	60.2
	7	68.0	68.0	68.0	67.4	66.6	65.6	64.8	64.6	63.8	63.6	—	63.5
	8	68.5	68.2	67.6	67.4	66.8	66.2	66.0	65.5	65.2	65.0	65.4	65.0
	9	68.8	68.5	67.8	67.5	66.5	66.0	65.8	66.0	—	64.4	63.4	63.0
	10	62.8	62.5	62.2	—	62.4	62.0	62.0	61.6	61.2	61.0	61.0	61.0
	11	59.6	59.0	58.6	—	—	—	—	—	—	—	—	—
	12	—	—	—	60.0	60.0	59.4	59.0	58.6	58.4	58.2	58.0	58.0
	13	59.0	59.0	58.0	58.0	57.4	56.6	56.0	55.4	—	54.2	53.8	54.8
	14	59.0	58.2	57.6	57.2	56.8	56.2	55.8	56.0	55.8	54.5	55.0	55.0
	15	60.0	59.8	59.8	59.6	59.0	59.0	58.6	58.0	57.2	56.4	56.2	56.6
	16	66.8	66.0	65.0	65.0	64.6	63.8	63.0	62.5	61.5	61.8	61.0	61.0
	17	69.4	68.6	68.4	68.4	68.0	68.0	67.8	67.5	67.0	67.0	67.0	67.0
	18	64.2	63.0	63.0	—	—	—	—	—	—	—	—	—
	19	—	—	—	60.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	20	63.8	63.4	63.2	63.2	62.8	62.2	62.4	62.2	62.0	62.0	62.0	62.0
	21	64.8	64.4	64.0	64.2	63.8	64.0	64.0	64.0	63.5	63.7	62.2	—
	22	64.8	64.4	64.2	64.0	63.8	63.8	63.2	62.8	62.0	61.2	61.2	61.2
	23	72.0	71.8	71.6	71.2	70.8	70.2	70.0	69.8	69.8	69.8	69.6	68.0
	24	61.8	60.8	60.5	60.2	59.5	59.0	58.5	58.0	—	57.0	57.0	57.0
	25	61.2	61.4	61.8	—	—	—	—	—	—	—	—	—
	26	—	—	—	62.8	62.5	62.5	62.5	62.8	62.2	62.2	62.0	62.0
	27	62.2	61.4	60.6	60.0	59.6	59.2	59.0	58.0	57.4	57.0	56.8	57.0
	28	67.5	67.5	67.0	67.0	66.5	66.2	65.8	65.6	65.8	65.2	65.6	66.0
	29	74.2	73.0	72.0	71.5	70.2	69.8	69.2	68.5	68.0	67.6	67.0	67.0
	30	68.8	69.0	69.0	69.5	69.4	70.0	—	69.0	69.2	68.6	68.4	68.0
	31	64.8	64.0	63.8	63.4	62.8	62.2	61.8	61.4	61.0	61.0	61.5	61.5
Hourly Means	65.13	64.64	64.28	64.20	63.54	62.80	62.49	62.46	62.36	61.69	61.45	61.48	

HORIZONTAL FORCE.

One Scale Division = '000120 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. 65·8	Sc. Div. 61·9	Sc. Div. 59·5	Sc. Div. 61·0	Sc. Div. 67·7	Sc. Div. 72·1	Sc. Div. 73·7	Sc. Div. 72·3	Sc. Div. 71·7	Sc. Div. 71·8	Sc. Div. 70·8	Sc. Div. 67·4	Sc. Div. 69·51
71·3	66·5	62·7	63·8	68·3	73·4	78·9	78·3	78·3	77·7	79·0	81·7	73·48
77·3	73·5	68·7	65·5	66·3	70·7	72·7	74·7	75·4	75·8	74·2	75·0	77·14
—	—	—	—	—	—	—	—	—	—	—	—	—
80·3	74·0	67·7	66·0	68·9	74·8	74·4	69·4	70·4	60·5	68·4	71·0	74·02
75·1	65·4	56·5	52·2	52·9	47·7	52·3	56·3	51·6	53·2	56·3	62·0	66·31
60·7	59·7	57·6	59·5	58·3	62·5	65·9	65·6	63·1	63·2	63·4	63·7	62·86
64·7	62·5	62·0	60·2	—	62·0	63·4	63·4	62·4	63·6	62·2	58·5	64·47
69·1	65·7	63·9	62·1	62·9	68·0	71·8	72·6	71·8	72·3	73·6	73·5	69·00
72·3	69·0	68·1	67·2	67·8	71·3	73·6	76·1	78·2	76·6	80·4	—	74·46
—	—	—	—	—	—	—	—	—	—	—	—	—
67·9	53·2	55·8	53·4	54·7	66·4	69·8	66·4	71·5	63·2	67·4	74·8	69·69
76·7	74·2	68·3	63·8	67·4	71·1	77·1	71·4	71·7	75·7	77·2	79·0	76·52
79·1	78·2	76·2	76·0	74·0	75·0	76·7	75·8	73·1	73·4	75·5	76·4	78·73
77·1	73·3	69·3	66·6	68·8	69·2	67·8	67·5	65·6	65·0	64·8	64·1	74·13
68·5	66·0	62·5	61·4	64·1	64·4	63·8	64·8	64·0	64·8	64·7	64·4	67·98
62·2	53·1	53·0	57·5	64·7	68·1	68·3	68·8	69·6	71·6	71·9	72·7	66·55
—	—	—	—	—	—	—	—	—	—	—	—	—
75·5	73·1	69·0	65·5	65·9	65·3	64·0	65·7	66·9	66·7	68·0	64·9	72·19
69·4	62·1	64·1	63·0	64·6	65·1	66·8	67·4	67·0	67·1	67·6	70·6	69·40
68·8	67·2	66·7	68·1	70·0	73·2	74·2	70·6	71·6	72·0	73·3	72·9	71·80
72·1	67·8	61·6	62·9	63·6	66·0	62·8	60·1	62·1	61·2	59·9	63·1	68·68
67·0	62·8	61·6	61·2	61·2	65·8	69·0	71·3	70·0	71·5	74·0	76·1	65·46
79·4	75·2	73·1	72·4	74·1	75·4	74·4	75·6	77·0	79·3	79·2	78·4	78·19
—	—	—	—	—	—	—	—	—	—	—	—	—
71·7	70·0	68·8	70·0	70·1	70·6	71·0	71·9	72·1	74·2	75·5	76·7	74·83
82·3	77·5	74·7	71·9	70·1	67·9	68·2	68·2	68·1	69·1	70·3	70·7	77·25
68·4	64·0	59·0	53·8	54·0	55·9	57·3	58·4	60·3	61·6	61·4	61·5	65·70
60·9	55·9	52·1	50·9	51·6	54·7	56·9	57·2	59·2	59·5	59·5	59·1	58·77
59·0	52·7	50·8	50·0	50·3	57·1	59·5	62·9	66·9	66·5	69·6	70·5	61·35
70·4	65·9	64·4	62·0	61·1	64·9	66·2	69·8	69·3	69·3	69·0	69·6	70·97
71·09	70·63	63·62	62·51	60·40	60·66	60·82	60·82	60·85	60·84	60·95	60·99	71·03

TEMPERATURE OF THE BIFILAR MAGNET.

64·2	64·5	65·0	65·0	65·6	66·0	66·8	67·0	67·2	67·0	67·0	67·0	66·01
60·6	60·8	61·2	62·0	62·6	63·0	63·0	63·0	63·0	63·0	62·4	61·6	62·83
58·8	59·0	60·8	61·8	63·0	64·0	65·0	65·2	66·0	66·0	66·0	66·0	61·54
—	—	—	—	—	—	—	—	—	—	—	—	—
60·5	60·8	61·6	62·8	63·5	64·0	65·2	66·2	66·5	66·0	65·5	65·0	63·14
61·0	63·5	64·5	66·0	68·0	70·0	70·8	71·0	70·0	69·8	69·5	69·0	64·80
63·2	64·0	65·0	66·8	67·4	68·4	68·6	68·8	68·8	69·0	69·0	69·0	66·60
65·0	65·4	65·8	67·0	—	67·8	68·0	68·5	69·0	69·5	69·8	69·2	67·03
62·8	63·0	63·5	63·5	64·0	64·0	64·0	65·0	64·8	64·2	63·8	63·2	64·93
61·5	61·0	61·0	62·0	62·4	62·4	62·6	62·4	62·4	61·6	60·8	—	61·81
—	—	—	—	—	—	—	—	—	—	—	—	—
58·0	58·0	58·5	59·6	60·5	61·0	61·4	61·2	60·8	60·2	60·8	59·0	59·41
55·0	55·4	57·0	58·0	58·0	58·0	58·0	59·0	59·0	59·2	59·0	59·0	57·25
54·6	54·8	55·5	57·2	58·0	58·6	59·8	60·2	60·6	61·0	60·5	60·4	57·43
57·0	58·2	59·0	60·2	62·0	63·0	65·0	66·2	67·0	67·2	67·2	67·2	60·81
61·0	62·0	63·0	65·0	66·6	67·4	68·2	68·6	69·0	69·2	69·0	69·8	65·03
66·6	66·0	65·6	65·6	65·5	65·2	65·0	65·0	65·0	65·0	64·2	64·6	66·56
—	—	—	—	—	—	—	—	—	—	—	—	—
60·0	60·0	60·2	62·2	63·4	64·0	64·4	64·8	65·0	65·0	64·2	64·0	61·99
61·6	62·0	62·2	63·2	64·4	65·0	66·0	66·0	66·0	66·0	65·8	65·2	63·52
62·0	61·8	62·0	62·8	62·8	63·8	64·6	65·6	65·6	65·5	65·5	65·2	63·90
61·3	62·2	63·0	65·0	66·0	68·0	68·4	70·0	72·0	72·8	72·8	72·2	65·43
67·4	66·8	66·4	66·4	66·4	66·4	66·4	65·2	65·2	64·8	63·8	63·0	68·03
57·0	57·5	58·8	59·2	60·0	61·0	61·6	62·0	61·8	61·6	61·0	61·0	59·64
—	—	—	—	—	—	—	—	—	—	—	—	—
62·0	62·4	62·6	63·4	64·2	64·8	65·0	65·0	65·0	64·8	63·8	63·0	63·00
58·0	59·6	61·2	62·8	64·0	66·0	66·4	67·4	68·5	68·5	68·0	67·5	61·92
66·2	67·0	68·4	71·6	73·4	74·0	75·0	75·2	75·5	75·0	75·0	75·0	69·46
67·0	67·2	68·0	69·0	69·5	69·8	70·2	70·4	71·0	70·5	70·0	69·8	69·60
68·2	69·8	70·0	71·0	69·6	69·0	69·0	67·6	66·4	66·0	65·6	65·0	68·53
62·2	63·0	64·8	66·0	66·6	67·0	67·6	67·6	67·4	67·0	66·4	65·6	64·18
61·58	62·06	62·76	63·89	64·36	65·24	65·78	66·08	66·24	66·13	65·79	65·63	63·86

HORIZONTAL FORCE.													
One Scale Division = '000120 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.													
Mean Göttingen Time. } 0h. 1h. 2h. 3h. 4h. 5h. 6h. 7h. 8h. 9h. 10h. 11h.	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	70.2	70.6	72.2	—	—	—	—	—	—	—	—	
	2	—	—	—	—	89.3	87.3	88.6	89.5	—	—	96.9	
	3	83.3	81.0	79.0	78.0	85.8	83.0	82.9	84.3	—	89.5	91.0	
	4	81.1	81.1	81.1	80.8	82.6	81.1	82.0	82.6	84.1	84.5	85.8	85.4
	5	87.6	87.5	82.6	78.0	71.3	66.8	80.1	96.6	88.0	70.4	67.2	61.6
	6	51.3	56.4	70.1	55.9	59.1	64.4	66.7	70.7	—	79.3	73.3	74.9
	7	77.9	75.3	72.7	72.6	72.4	72.3	78.7	75.3	78.1	80.2	82.2	77.0
	8	68.9	68.1	71.6	—	—	—	—	—	—	—	—	—
	9	—	—	—	—	66.5	61.5	60.8	61.7	61.5	65.2	63.1	61.4
	10	63.9	66.3	64.8	65.6	66.4	66.7	68.8	69.9	70.3	71.4	72.2	70.7
	11	75.8	78.7	80.5	81.1	81.9	83.5	85.2	82.5	83.2	88.3	88.3	85.7
	12	79.7	81.7	82.3	81.4	80.5	83.4	85.8	83.5	78.4	75.5	77.7	78.1
	13	68.4	65.9	66.2	65.4	70.3	72.0	65.8	67.0	67.5	68.4	68.5	67.3
	14	77.5	77.0	83.3	80.4	—	86.0	90.7	80.6	80.7	83.8	83.8	82.9
	15	79.4	83.1	88.2	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	87.5	88.5	89.0	89.4	90.2	91.9	90.5	88.1
	17	86.1	85.4	84.5	83.7	84.6	85.3	88.2	85.5	85.6	86.4	87.0	87.7
	18	79.0	79.5	81.2	79.6	80.5	80.2	80.7	76.5	84.7	80.7	80.4	79.8
	19	78.5	81.4	80.3	78.9	80.6	79.6	82.2	81.5	83.3	84.6	84.3	83.3
	20	70.3	72.2	73.5	73.6	73.4	70.6	71.5	72.5	74.3	74.9	75.9	—
	21	81.4	83.6	84.5	82.7	91.3	88.2	87.4	86.6	91.6	91.2	90.3	91.5
	22	92.6	93.3	92.4	—	—	—	—	—	—	—	—	—
	23	—	—	—	96.1	96.5	97.0	98.1	99.6	98.8	99.6	98.1	97.2
	24	97.0	97.5	97.5	98.1	98.1	98.1	100.6	101.9	101.2	103.4	101.8	99.3
	25	100.5	100.0	100.0	100.6	100.1	100.4	100.8	101.3	102.7	102.0	101.7	101.3
	26	92.3	92.9	92.7	93.6	93.4	93.7	94.0	94.1	95.2	95.6	96.4	96.0
	27	91.5	90.0	90.4	90.8	—	95.6	94.9	94.5	97.1	96.4	97.5	97.6
	28	94.2	94.1	93.0	93.8	95.0	94.5	94.2	94.9	97.3	99.4	101.4	99.8
	29	86.2	85.7	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	83.2	82.0	82.5	85.4	86.0	88.3	87.1	88.8	89.6
Hourly Means	80.58	81.13	81.86	81.54	82.13	82.49	84.12	84.34	85.55	85.40	85.76	84.79	
TEMPERATURE OF THE BIFILAR MAGNET.													
APRIL.	1	65.0	64.4	64.2	—	—	—	—	—	—	—	—	
	2	—	—	—	—	55.0	55.0	55.0	55.0	—	—	53.8	
	3	58.8	58.8	58.0	57.8	57.0	56.6	56.4	56.2	—	55.2	54.8	
	4	60.0	59.5	59.4	59.2	58.6	57.2	58.0	57.6	57.0	57.0	56.2	
	5	58.2	58.2	58.0	58.0	57.8	58.0	58.3	57.8	57.8	57.4	56.8	
	6	61.4	61.0	60.8	60.5	59.8	59.4	58.6	58.0	—	55.2	55.2	
	7	60.4	60.0	59.6	59.6	59.0	58.2	58.2	58.0	57.4	56.6	56.8	
	8	65.8	65.0	64.8	—	—	—	—	—	—	—	—	
	9	—	—	—	—	69.2	69.0	68.8	68.6	68.2	68.0	68.2	
	10	67.8	67.4	66.6	66.8	66.0	65.8	65.2	65.0	64.4	63.8	63.0	
	11	58.8	58.8	58.5	58.5	58.0	57.0	56.5	56.7	56.6	56.0	55.5	
	12	59.6	59.0	58.5	58.8	58.4	57.8	57.2	57.0	57.2	57.5	56.8	
	13	67.8	67.4	67.0	67.2	66.8	66.2	66.5	66.0	65.5	65.0	64.0	
	14	59.0	58.8	58.5	58.4	—	—	57.4	57.0	57.0	56.4	55.8	
	15	55.0	54.0	53.0	—	—	—	—	—	—	—	—	
	16	—	—	—	—	53.8	53.5	53.5	53.5	53.0	53.0	53.0	
	17	56.5	56.6	56.8	57.5	57.4	57.0	56.8	56.6	56.4	56.5	56.5	
	18	60.0	59.0	59.0	60.0	60.4	59.8	59.8	59.6	59.2	59.0	59.0	
	19	60.4	60.0	59.8	60.2	59.6	59.0	58.8	58.4	58.6	58.6	58.4	
	20	65.4	65.0	65.0	64.8	64.8	65.2	65.2	64.5	64.2	64.2	64.0	
	21	58.5	58.0	57.5	56.8	56.2	55.4	54.8	54.4	54.2	53.0	53.0	
	22	53.4	53.0	52.2	—	—	—	—	—	—	—	—	
	23	—	—	—	50.4	50.0	50.0	50.0	50.0	49.8	49.6	49.4	
	24	49.8	49.4	49.0	48.8	48.6	48.6	48.4	48.0	47.4	47.0	47.0	
	25	49.6	49.5	49.6	49.8	49.4	49.2	49.0	48.5	48.0	48.5	49.2	
	26	53.5	53.5	53.2	53.2	53.2	53.0	52.8	52.7	52.5	52.2	52.0	
	27	52.7	52.8	52.6	52.5	—	51.6	51.4	51.0	50.8	50.8	51.0	
	28	52.4	51.8	51.5	51.6	51.0	50.6	50.5	50.0	49.8	49.3	48.8	
	29	57.8	57.5	—	—	—	—	—	—	—	—	—	
	30	—	—	—	59.0	58.6	58.0	57.4	56.6	56.0	56.0	56.0	
Hourly Means	58.70	58.34	58.05	57.70	57.77	57.14	56.96	56.68	56.41	56.07	55.81		

HORIZONTAL FORCE.												
One Scale Division = '000120 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.
87°0	82°1	74°4	72°6	75°8	81°3	83°0	82°7	82°5	83°5	84°5	83°2	82°30
84°4	79°0	73°6	74°0	72°8	73°9	75°9	77°3	77°3	78°2	79°0	79°9	80°47
84°2	79°1	75°3	73°3	75°1	75°1	76°5	80°3	79°7	82°8	83°0	87°4	81°00
62°0	58°7	55°4	58°5	63°9	60°9	66°6	55°2	52°2	47°8	43°9	42°5	66°89
78°7	76°0	60°8	56°5	60°9	61°3	66°7	65°1	67°1	68°0	69°4	71°9	66°28
73°0	67°7	67°2	64°0	53°2	64°3	62°4	54°9	61°6	56°5	60°9	74°4	69°78
57°9	54°2	47°8	45°4	46°7	45°8	55°9	50°3	56°2	60°5	55°0	58°2	58°44
70°6	70°0	68°1	68°9	71°1	74°5	74°1	75°2	76°4	71°1	72°5	74°9	70°18
82°4	79°4	74°5	71°7	71°9	76°2	78°3	77°4	79°4	78°3	79°0	79°3	80°10
76°2	69°8	66°1	65°6	68°0	65°2	62°5	67°5	63°3	61°7	64°6	62°1	73°36
67°1	65°3	65°5	67°4	68°0	68°9	70°6	51°9	70°2	75°5	78°9	78°9	68°37
78°8	78°4	78°3	79°3	83°3	81°0	83°0	75°8	73°4	75°8	80°0	76°6	80°45
86°5	85°3	83°9	83°3	84°2	84°8	86°1	86°1	85°2	86°4	87°0	86°2	86°56
84°3	76°5	75°3	77°2	75°5	79°3	74°3	78°0	76°8	75°2	78°4	81°7	81°77
76°5	75°3	71°7	70°6	73°9	77°6	78°1	78°6	78°2	77°4	78°5	76°7	78°16
80°9	78°1	75°4	73°3	70°7	72°7	70°3	70°9	72°3	72°1	72°6	72°1	77°50
75°3	73°6	73°1	69°8	69°3	72°1	73°9	75°1	90°4	80°5	81°2	81°0	74°70
88°9	86°6	84°4	82°1	82°4	83°5	85°1	87°1	88°6	88°6	89°4	89°4	86°93
94°7	92°4	91°3	89°7	91°0	92°8	93°6	94°6	97°2	97°3	97°6	96°8	95°35
95°7	92°5	92°4	91°7	93°0	95°4	98°0	99°5	100°0	100°3	100°5	99°5	98°04
99°7	95°4	90°9	89°0	88°4	89°0	88°1	90°5	92°5	93°3	93°0	92°8	96°42
92°5	91°1	88°9	85°9	86°0	88°1	91°2	92°4	92°5	93°8	93°9	92°7	92°45
95°0	92°2	89°5	87°8	88°8	90°3	91°4	92°1	91°7	91°7	91°6	93°5	92°69
99°0	96°2	92°1	88°3	85°4	84°0	84°4	85°4	86°4	87°0	85°8	86°1	92°15
90°1	87°4	82°0	79°3	77°8	77°4	78°1	79°3	80°7	81°5	82°2	81°3	83°56
82°46	79°29	75°92	74°61	75°08	76°62	77°92	76°93	78°87	78°59	79°30	79°96	80°58
TEMPERATURE OF THE BIFILAR MAGNET;												
°	°	°	°	°	°	°	°	°	°	°	°	°
53°5	54°2	55°0	56°0	57°3	57°4	57°4	58°0	58°0	58°6	58°6	58°6	57°31
55°2	56°0	57°0	58°0	58°8	59°6	60°5	60°2	61°2	61°0	61°0	60°5	57°99
57°2	57°6	58°4	59°4	60°2	60°5	60°8	61°0	60°6	60°0	59°2	58°6	58°73
56°5	57°5	58°0	58°8	59°5	59°8	60°0	60°6	61°0	61°4	61°4	61°5	58°70
55°0	55°4	56°5	58°0	59°4	60°2	60°8	61°5	61°8	61°8	61°4	61°0	59°03
56°5	57°0	58°2	59°8	61°6	64°2	65°2	66°8	67°2	67°2	67°0	66°5	60°74
69°5	69°6	70°5	71°0	71°2	71°2	71°0	70°6	70°0	69°2	69°2	68°6	68°97
62°6	62°0	61°5	61°2	61°0	61°0	61°5	60°8	60°6	60°3	59°8	59°4	63°20
55°8	56°2	57°2	58°0	58°5	58°8	59°0	59°2	59°7	59°8	59°8	59°6	57°81
57°0	57°0	58°5	59°4	60°6	61°8	63°6	65°2	66°6	67°2	68°0	68°0	60°32
63°4	63°0	62°6	62°6	62°0	61°5	61°0	60°6	60°2	60°0	59°5	58°8	63°73
55°2	55°5	55°4	56°0	56°5	56°8	56°8	57°2	57°0	56°8	56°4	55°8	56°80
54°2	53°8	53°6	54°5	54°6	55°2	55°6	56°2	56°8	56°8	56°4	56°6	54°48
57°5	58°4	59°4	60°0	60°4	60°5	60°4	60°4	60°4	60°4	60°2	59°8	58°29
58°8	59°0	59°5	59°6	60°2	60°4	60°6	60°8	60°8	61°0	61°2	60°8	59°85
58°6	58°8	59°4	60°4	61°3	62°6	63°6	64°0	65°0	65°0	65°6	65°4	60°83
62°0	61°8	61°4	61°8	61°8	61°6	61°5	61°0	60°2	60°2	60°0	59°4	62°83
51°8	52°0	54°0	55°5	55°8	55°6	55°6	55°5	55°0	55°0	55°0	54°2	54°94
49°0	49°8	50°8	50°4	50°6	50°8	51°2	51°2	50°8	50°4	50°2	50°0	50°51
47°2	47°5	47°5	49°5	49°8	49°4	49°0	49°2	49°0	49°0	49°5	49°8	48°57
49°4	50°2	51°6	52°2	52°4	52°8	53°8	54°2	54°2	54°0	54°2	54°0	50°95
52°4	52°5	51°4	52°2	52°4	52°6	52°8	52°8	53°2	53°2	52°8	52°8	52°70
50°2	50°2	50°5	51°0	51°4	51°8	52°2	53°0	53°2	53°2	53°0	52°6	51°74
49°0	50°0	51°4	53°0	54°0	55°0	55°5	57°0	58°0	58°4	58°2	58°0	52°65
55°7	56°5	58°0	58°5	59°2	60°2	61°2	62°0	62°4	—	62°0	62°0	58°46
55°73	56°06	56°69	57°47	58°02	58°45	58°82	59°16	59°32	59°16	59°18	58°89	57°59

HORIZONTAL FORCE.													
One Scale Division = '000120 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = '000234.													
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
MAY.	1	80.7	80.9	80.0	79.1	79.1	79.9	80.4	81.6	82.0	84.3	87.2	84.9
	2	72.9	74.0	73.8	75.2	76.2	76.5	77.3	77.8	79.9	80.8	84.4	82.1
	3	79.0	79.5	80.3	80.8	81.2	81.6	82.1	83.0	83.5	83.5	84.1	83.2
	4	76.3	74.6	75.5	73.7	72.7	74.9	76.7	77.8	81.1	82.2	84.7	83.1
	5	81.3	81.5	83.0	81.2	84.4	82.4	—	80.5	86.5	90.4	92.1	92.2
	6	90.0	91.3	92.7	—	—	—	—	—	—	—	—	—
	7	—	—	—	73.2	72.1	72.2	70.5	73.7	74.8	73.6	73.0	72.0
	8	77.6	77.6	80.0	79.3	81.2	82.5	83.8	83.5	84.3	85.5	85.9	87.4
	9	79.5	79.2	80.1	82.3	88.0	83.5	83.6	84.8	85.3	87.8	84.5	86.1
	10	84.7	82.6	80.8	83.5	87.6	83.5	81.5	83.4	—	87.3	89.1	88.1
	11	91.7	88.3	83.0	82.4	83.1	84.1	85.1	86.0	83.3	84.5	86.5	88.1
	12	80.4	76.4	78.1	79.8	80.0	82.0	83.6	86.6	—	88.7	91.0	90.1
	13	85.4	85.2	85.2	—	—	—	—	—	—	—	—	—
	14	—	—	—	87.0	87.6	88.6	89.9	89.5	89.7	91.6	95.1	96.7
	15	83.2	85.5	85.9	85.9	88.6	89.7	90.0	95.2	88.9	95.7	93.1	91.2
	16	88.7	83.7	82.5	82.8	82.6	83.3	80.9	82.2	82.4	82.3	83.3	85.3
	17	83.2	—	81.0	78.6	85.9	86.0	85.5	82.3	83.0	83.0	82.6	82.9
	18	78.6	79.6	80.3	80.7	81.7	83.6	84.7	85.4	87.3	86.7	88.5	90.3
	19	87.6	85.8	87.7	86.8	86.4	87.6	87.7	88.5	90.4	90.3	92.0	92.1
	20	90.7	90.5	90.1	—	—	—	—	—	—	—	—	—
	21	—	—	—	95.5	95.4	95.6	95.5	95.4	96.4	97.9	98.5	100.3
	22	95.5	95.0	95.1	94.4	95.2	95.8	99.3	—	—	101.3	100.4	99.2
	23	92.7	91.7	91.3	90.9	91.8	92.1	—	92.1	92.1	93.0	94.5	95.8
	24	88.4	87.9	88.3	88.3	88.6	89.1	89.6	90.3	91.8	92.0	92.8	93.3
	25 ^a	86.8	87.6	87.3	87.2	87.5	89.2	91.5	90.0	90.3	91.8	91.1	90.1
	26	91.5	93.2	92.5	93.3	96.8	96.7	97.2	97.6	97.4	97.7	93.8	101.7
	27 ^a	83.0	83.2	83.9	—	—	—	—	—	—	—	—	—
	28 ^a	—	—	—	90.3	91.5	92.2	94.5	95.0	95.9	97.1	98.2	99.7
	29 ^a	94.6	95.5	94.2	93.6	92.7	92.5	96.0	97.0	99.0	98.9	99.5	99.2
	30 ^a	94.9	91.9	91.4	—	89.5	90.0	91.0	90.2	90.6	90.8	90.2	—
	31 ^a	86.3	85.8	86.2	85.7	85.9	86.5	88.0	88.2	88.4	90.2	91.3	87.8
Hourly Means	84.53	84.00	83.96	83.40	84.83	85.05	85.24	85.58	86.32	88.20	88.96	89.37	
TEMPERATURE OF THE BIFILAR MAGNET.													
MAY.	1	61.8	61.6	61.4	61.2	60.8	60.4	60.0	59.5	59.5	59.0	58.6	58.8
	2	65.4	65.0	65.0	64.8	64.5	64.0	64.0	63.5	62.5	62.0	61.4	61.2
	3	63.2	62.5	61.5	61.2	61.2	60.6	60.4	60.2	60.0	60.0	60.0	60.0
	4	66.2	65.8	65.4	65.6	65.0	64.4	63.6	62.8	62.4	62.0	61.6	60.6
	5	61.8	61.2	60.4	60.0	59.2	58.8	—	58.2	57.2	56.4	55.6	55.0
	6	55.5	55.2	55.2	—	—	—	—	—	—	—	—	—
	7	—	—	—	53.6	53.6	53.8	53.6	53.4	53.5	53.5	53.4	53.7
	8	53.6	53.4	53.2	53.0	52.8	52.5	52.2	52.2	52.0	51.6	51.5	51.5
	9	56.4	56.0	55.4	55.4	54.6	53.8	53.2	52.8	52.4	51.7	51.8	51.8
	10	54.8	54.0	53.6	53.8	53.0	52.8	52.8	52.0	—	51.0	50.5	50.7
	11	54.5	54.5	54.5	55.2	55.0	54.8	54.5	54.6	54.2	53.7	53.3	53.0
	12	57.5	57.5	57.5	57.5	56.6	56.0	55.4	54.8	—	53.6	53.2	53.0
	13	55.2	54.6	54.2	—	—	—	—	—	—	—	—	—
	14	—	—	—	53.5	53.5	53.7	53.5	53.5	53.0	52.2	51.4	50.6
	15	57.0	56.4	56.2	56.2	55.5	54.8	54.4	54.0	53.8	53.2	53.2	53.2
	16	55.1	55.1	55.2	56.2	56.2	56.2	56.2	56.6	56.5	56.2	56.0	56.2
	17	58.0	—	58.0	58.6	58.0	57.4	56.8	56.2	57.2	57.0	57.0	57.2
	18	60.0	59.4	59.0	58.4	57.2	57.0	56.6	56.0	55.0	54.8	54.0	54.0
	19	55.1	54.8	54.6	54.9	54.8	54.2	54.0	53.8	53.0	53.0	53.0	53.0
	20	54.0	53.4	53.0	—	—	—	—	—	—	—	—	—
	21	—	—	—	50.6	50.6	50.6	50.4	50.0	49.6	49.4	49.5	50.0
	22	51.8	51.6	51.6	52.2	51.8	51.6	51.2	—	—	50.2	50.6	50.0
	23	52.4	52.6	52.8	53.0	53.0	53.0	—	53.0	53.0	52.5	52.2	51.8
	24	55.4	55.5	55.4	55.6	55.4	54.8	54.2	54.0	54.0	54.2	53.8	53.4
	25 ^a	57.3	57.1	57.0	57.0	56.5	56.2	56.0	56.0	56.0	56.0	56.0	56.0
	26	55.1	54.4	53.7	53.7	53.0	52.2	52.0	51.5	51.5	51.4	51.5	52.2
	27 ^a	57.0	56.6	56.5	—	—	—	—	—	—	—	—	—
	28 ^a	—	—	—	52.7	52.5	52.2	51.8	51.5	50.2	50.0	49.2	49.0
	29 ^a	53.3	52.7	53.0	52.8	52.0	51.4	51.0	50.8	49.4	48.8	48.6	48.0
	30 ^a	52.0	52.2	53.0	53.0	53.7	53.6	53.6	53.6	53.5	53.5	53.5	—
	31 ^a	57.2	57.2	57.0	56.8	56.5	56.2	55.8	56.4	56.0	55.0	55.0	54.0
Hourly Means	57.26	56.88	56.67	56.55	56.15	55.79	55.45	55.36	55.28	54.48	54.23	54.13	

* Not included in the means, workmen employed in the Observatory.

HORIZONTAL FORCE.

One Scale Division = '000120 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fab. = '000234.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 85°6	Sc. Div. 81°4	Sc. Div. 74°8	Sc. Div. 67°2	Sc. Div. 63°2	Sc. Div. 64°7	Sc. Div. 67°2	Sc. Div. 69°2	Sc. Div. 71°6	Sc. Div. 72°2	Sc. Div. 72°7	Sc. Div. 72°1	Sc. Div. 76°75
79°1	75°9	72°2	68°3	66°1	68°1	70°1	72°7	75°1	76°5	77°3	78°5	75°45
80°1	77°0	75°5	71°2	70°6	70°5	71°1	71°5	73°4	74°1	74°6	74°9	77°76
79°2	75°8	71°6	70°5	70°1	70°2	73°2	75°3	77°8	—	78°6	79°7	76°32
91°6	89°2	86°9	83°5	82°6	83°4	85°8	88°5	—	91°1	90°9	90°2	86°33
—	—	—	—	—	—	—	—	—	—	—	—	—
73°0	62°6	60°0	66°0	68°4	65°7	66°7	70°5	76°3	73°7	72°6	83°1	73°65
83°6	72°5	70°3	67°9	68°2	66°8	67°0	67°5	76°1	76°8	78°8	77°7	77°57
88°1	84°4	81°6	77°3	76°7	75°0	74°0	68°2	76°3	80°3	80°6	82°4	81°23
80°1	84°3	81°7	77°9	77°8	79°7	81°5	71°4	80°9	81°9	84°0	82°7	82°43
77°9	79°7	73°8	71°5	71°8	72°8	73°8	77°2	78°9	79°6	77°5	77°5	80°75
88°1	84°8	82°5	78°3	76°5	76°9	81°7	82°0	81°1	81°8	86°1	85°5	82°70
—	—	—	—	—	—	—	—	—	—	—	—	—
95°0	92°4	91°7	86°7	84°9	85°3	85°3	86°9	87°2	87°8	88°0	85°2	88°66
88°2	89°6	81°8	78°4	73°6	79°1	82°8	79°5	85°4	88°8	80°0	75°8	85°66
85°6	83°1	79°2	78°0	75°4	73°5	74°7	76°7	82°0	81°9	82°7	82°7	81°48
79°4	76°6	75°4	72°8	72°6	71°5	73°3	75°2	77°1	77°7	77°2	79°4	79°23
91°0	87°3	84°6	83°0	82°7	83°4	84°6	85°4	86°3	87°3	87°5	87°6	84°92
91°9	89°7	86°9	81°8	79°7	81°7	84°8	88°0	87°5	87°4	88°5	90°5	87°55
—	—	—	—	—	—	—	—	—	—	—	—	—
99°4	96°7	94°1	89°6	89°2	90°3	93°4	95°3	95°0	94°6	94°7	94°5	94°53
97°1	94°4	90°5	86°2	86°9	88°8	91°2	92°0	91°5	91°6	92°4	92°8	93°94
95°9	91°6	86°5	81°3	82°1	84°4	87°6	89°8	89°4	89°5	88°9	89°2	90°18
91°7	90°7	87°8	85°2	83°7	84°6	86°1	88°2	88°0	87°5	87°4	86°5	88°67
88°7	86°0	—	—	—	—	—	—	86°6	87°9	87°5	89°4	—
97°3	88°9	87°2	81°6	83°6	83°5	86°1	87°7	87°2	87°4	86°1	83°9	91°25
—	—	—	—	—	—	—	—	—	—	—	—	—
98°8	96°2	—	—	—	—	—	—	91°0	92°2	92°5	93°2	—
—	—	—	—	—	—	—	—	88°3	93°0	94°5	92°8	—
—	—	—	—	—	—	—	—	86°1	85°8	85°4	86°0	—
93°0	—	—	—	—	—	—	—	91°3	90°9	92°1	92°2	—
87°22	84°03	80°75	77°46	76°65	77°27	79°18	79°94	82°10	83°31	83°05	83°29	83°46

TEMPERATURE OF THE BIFILAR MAGNET.

58°6	59°4	60°6	62°4	63°4	65°0	65°6	66°4	66°4	66°4	66°2	65°6	62°03
61°6	62°8	63°4	64°8	65°0	65°0	65°2	65°2	64°8	64°5	64°0	63°5	63°88
60°5	61°0	61°5	62°5	63°8	65°4	66°0	67°0	67°5	67°2	67°2	66°8	62°80
60°2	60°4	60°6	61°2	62°4	63°5	64°2	64°2	64°0	—	63°2	62°6	63°14
54°8	55°6	56°0	56°5	56°4	56°0	56°2	56°4	—	56°0	55°8	55°6	57°23
—	—	—	—	—	—	—	—	—	—	—	—	—
53°6	53°5	53°7	54°5	54°4	54°2	54°4	54°4	55°0	54°8	54°4	53°8	54°11
52°0	53°4	54°4	55°8	56°5	56°7	56°8	57°0	57°0	56°8	56°2	56°4	54°10
51°8	52°6	53°5	53°8	54°3	55°0	55°3	56°0	56°5	56°4	56°0	55°4	54°25
50°6	51°0	52°4	53°3	53°7	53°9	55°0	55°0	55°0	55°0	54°9	54°6	53°19
54°0	55°5	56°2	57°5	57°5	58°0	58°4	58°5	58°6	58°5	58°0	58°0	55°85
52°4	51°8	52°2	53°0	53°8	54°6	55°4	55°8	56°0	56°0	55°8	55°8	55°01
—	—	—	—	—	—	—	—	—	—	—	—	—
51°0	52°0	52°0	53°4	54°5	55°2	55°8	56°6	57°0	57°2	57°2	57°0	54°08
53°2	53°4	53°8	54°5	54°6	54°3	54°4	54°6	54°8	55°0	55°0	55°0	54°60
56°6	56°6	56°6	57°4	57°7	58°0	58°0	58°2	58°4	58°2	58°0	58°0	56°81
57°0	58°0	58°4	59°8	60°2	60°8	61°2	61°4	61°4	61°2	61°0	60°2	58°78
53°0	54°0	55°0	55°2	55°4	55°4	55°7	55°8	56°0	56°0	55°9	55°6	56°02
53°0	53°4	54°2	55°3	55°4	55°4	55°8	55°8	56°2	55°8	55°3	54°8	54°53
—	—	—	—	—	—	—	—	—	—	—	—	—
50°0	50°8	51°0	51°2	51°6	51°6	51°8	52°0	52°1	52°1	52°0	51°8	51°21
50°0	50°3	50°7	51°6	52°0	52°0	52°4	52°4	52°6	52°8	52°8	52°6	51°58
51°5	52°2	53°2	54°0	54°5	54°4	54°8	55°0	56°0	55°5	56°0	55°4	53°56
53°2	53°0	53°2	54°8	55°3	55°8	56°1	56°2	57°1	57°3	57°2	57°2	55°09
55°8	56°4	—	—	—	—	—	—	58°0	57°6	56°7	56°0	—
52°7	55°8	55°0	55°8	56°2	56°4	57°1	57°4	57°7	57°2	57°4	57°0	54°50
—	—	—	—	—	—	—	—	—	—	—	—	—
49°6	50°3	—	—	—	—	—	—	55°2	55°0	54°8	54°0	—
—	—	—	—	—	—	—	—	51°8	51°8	51°2	52°0	—
—	—	—	—	—	—	—	—	57°0	57°5	57°5	57°2	—
54°0	—	—	—	—	—	—	—	54°5	54°3	53°8	53°8	—
54°10	54°84	55°35	56°29	56°75	57°12	57°53	57°79	58°10	57°61	57°70	57°40	56°20

HORIZONTAL FORCE.													
One Scale Division = '000120 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.													
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
JUNE.	1 ^a	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	—	—	—	—	—	—	—	—	—	—	—	
	4	—	—	—	—	—	—	—	—	—	—	—	
	5	—	—	—	—	—	—	—	—	—	—	—	
	6	—	—	—	—	—	—	—	—	—	—	—	
	7	—	—	—	—	—	—	—	—	—	—	—	
	8	—	—	—	—	—	—	—	—	—	—	—	
	9	—	—	—	—	—	—	—	—	—	—	—	
	10	—	—	—	—	—	—	—	—	—	—	—	
	11	—	—	—	—	—	—	—	—	—	—	—	
	12	—	—	—	—	—	—	—	—	—	—	—	
	13	—	—	—	—	—	—	—	—	—	—	—	
	14	—	—	—	—	—	—	—	—	—	—	—	
	15	—	—	—	—	—	—	—	—	—	—	—	
	16	91·1	92·0	93·0	92·2	94·1	92·3	93·9	95·1	96·8	97·0	98·4	98·6
	17	94·2	93·8	92·8	—	—	—	—	—	—	—	—	—
	18	—	—	—	97·3	97·6	98·1	98·0	96·9	100·7	99·4	100·4	102·1
	19	93·8	93·5	93·7	93·3	93·4	93·7	94·1	—	94·2	96·8	96·2	98·6
	20	92·6	91·5	91·4	92·7	94·0	94·5	94·1	95·0	95·5	94·0	96·1	98·3
	21	93·0	93·3	94·1	94·6	96·9	96·5	97·0	97·9	98·2	98·4	98·4	99·0
	22	92·0	91·0	90·4	90·2	90·1	90·4	91·4	92·0	92·4	92·7	93·4	97·5
	23	92·7	93·0	93·4	94·3	95·1	96·0	97·4	98·9	—	100·7	102·3	102·1
	24	96·5	96·1	95·9	—	—	—	—	—	—	—	—	—
	25	—	—	—	97·2	97·4	98·3	98·2	99·0	98·9	99·5	99·9	100·2
	26	93·1	95·0	95·5	96·7	—	101·7	98·9	99·9	100·1	100·7	101·0	100·2
	27	97·0	97·5	97·2	97·3	97·6	97·9	98·4	100·1	101·0	101·3	101·5	101·7
	28	96·2	96·1	95·1	96·3	96·5	97·0	96·6	97·8	97·7	98·3	99·0	100·0
	29	96·1	100·3	96·3	97·1	96·6	97·5	98·0	98·5	101·1	100·8	101·0	103·1
	30	98·2	98·0	98·3	98·4	—	102·3	96·4	100·5	98·8	99·8	102·0	96·0
	Hourly Means	94·35	94·70	94·39	95·20	95·39	96·63	96·34	97·63	97·95	98·42	99·20	99·80
TEMPERATURE OF THE BIFILAR MAGNET.													
JUNE.	1 ^a	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	—	—	—	—	—	—	—	—	—	—	—	
	4	—	—	—	—	—	—	—	—	—	—	—	
	5	—	—	—	—	—	—	—	—	—	—	—	
	6	—	—	—	—	—	—	—	—	—	—	—	
	7	—	—	—	—	—	—	—	—	—	—	—	
	8	—	—	—	—	—	—	—	—	—	—	—	
	9	—	—	—	—	—	—	—	—	—	—	—	
	10	—	—	—	—	—	—	—	—	—	—	—	
	11	—	—	—	—	—	—	—	—	—	—	—	
	12	—	—	—	—	—	—	—	—	—	—	—	
	13	—	—	—	—	—	—	—	—	—	—	—	
	14	—	—	—	—	—	—	—	—	—	—	—	
	15	—	—	—	—	—	—	—	—	—	—	—	
	16	53·2	52·8	52·0	51·8	51·4	51·4	51·2	51·0	50·7	50·2	49·9	49·5
	17	52·2	52·0	52·0	—	—	—	—	—	—	—	—	—
	18	—	—	—	49·8	49·8	49·6	49·8	49·7	49·2	49·2	49·0	48·8
	19	52·0	52·2	52·2	52·0	52·2	52·2	52·2	—	52·0	52·2	52·3	52·3
	20	53·2	53·0	53·0	52·8	52·7	52·6	52·6	52·5	52·4	52·2	52·0	52·0
	21	53·1	52·7	52·3	52·0	51·3	50·8	50·6	50·3	50·0	50·0	50·2	50·7
	22	54·1	55·0	55·2	55·2	55·3	54·5	55·4	55·0	55·0	55·0	54·8	54·0
	23	53·2	53·0	53·0	52·2	52·2	51·7	51·3	51·0	—	50·1	49·8	49·6
	24	50·7	50·7	50·5	—	—	—	—	—	—	—	—	—
	25	—	—	—	50·0	50·2	50·2	50·2	50·6	50·7	50·8	50·8	50·8
	26	50·4	50·5	50·2	50·2	—	50·0	49·9	49·8	49·7	49·4	49·5	49·4
	27	50·1	50·0	50·0	50·0	49·6	49·6	49·6	49·5	49·5	49·5	49·5	49·8
	28	50·4	50·4	50·4	50·4	50·2	50·4	50·2	50·2	50·5	50·5	50·3	50·3
	29	51·0	50·8	50·8	50·4	50·4	50·3	50·2	50·0	49·8	50·0	49·8	49·2
	30	49·7	49·5	49·5	49·4	—	48·5	49·0	48·6	48·0	48·0	47·2	47·0
	Hourly Means	51·79	51·74	51·62	51·25	51·39	50·91	50·94	50·68	50·63	50·55	50·39	50·26

^a From the 1st to the 15th inclusive, workmen employed in the Observatory.

HORIZONTAL FORCE.

One Scale Division = '000120 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.

Table with 13 columns: 12h, 13h, 14h, 15h, 16h, 17h, 18h, 19h, 20h, 21h, 22h, 23h, and Daily and Monthly Means. Each column contains 'Sc. Div.' values. The bottom row shows the daily means: 99°35, 96°87, 92°95, 90°49, 90°67, 91°60, 93°08, 94°82, 94°90, 94°47, 94°67, 94°49, 95°33.

TEMPERATURE OF THE BIFILAR MAGNET.

Table with 13 columns. The first 12 columns contain temperature readings in degrees Fahrenheit. The last column contains the daily means. The bottom row shows the daily means: 50°27, 50°39, 50°52, 50°61, 50°72, 51°18, 51°58, 51°72, 51°82, 51°76, 51°68, 51°52, 51°08.

HORIZONTAL FORCE.																															
One Scale Division = '000120 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = 000234.																															
Mean Göttingen Time } JULY.	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 a	94'6	93'0	92'0	—	—	—	—	—	—	—	—	—																			
2 a	—	—	—	91'4	93'0	93'8	95'4	97'9	97'4	100'4	99'1	99'4																			
3 a	95'7	95'0	96'3	98'5	94'7	94'6	94'4	95'4	96'1	96'5	98'3	94'9																			
4 a	95'9	93'3	92'0	91'8	94'3	93'4	94'0	93'5	93'9	92'8	95'9	95'4																			
5 b	—	—	—	—	—	—	—	—	—	—	—	—																			
6 b	—	—	—	—	—	—	—	—	—	—	—	—																			
7 b	—	—	—	—	—	—	—	—	—	—	—	—																			
8 b	—	—	—	—	—	—	—	—	—	—	—	—																			
9 b	—	—	—	—	—	—	—	—	—	—	—	—																			
10 b	—	—	—	—	—	—	—	—	—	—	—	—																			
11 b	—	—	—	—	—	—	—	—	—	—	—	—																			
12 b	—	—	—	—	—	—	—	—	—	—	—	—																			
13 b	—	—	—	—	—	—	—	—	—	—	—	—																			
14 b	—	—	—	—	—	—	—	—	—	—	—	—																			
15 c	—	—	—	—	—	—	—	—	—	—	—	—																			
16 a	—	—	—	—	—	—	—	—	—	—	—	—																			
17	52'1	52'5	54'0	52'5	53'7	53'1	53'4	54'6	55'3	55'4	55'8	55'5																			
18	55'5	55'7	56'5	56'6	56'6	55'9	56'1	56'9	—	57'5	58'0	58'0																			
19	56'2	56'3	—	56'6	56'9	58'2	58'0	58'2	58'8	59'2	60'0	59'8																			
20	56'8	57'5	57'4	57'3	57'7	58'1	58'1	58'4	58'6	59'3	59'3	60'0																			
21	58'7	59'3	59'3	59'5	—	60'0	60'5	60'4	60'7	60'4	61'2	62'0																			
22	56'1	55'2	56'9	—	—	—	—	—	—	—	—	—																			
23	—	—	—	63'6	61'4	62'4	62'8	63'8	64'6	64'9	65'1	65'6																			
24	64'0	62'5	62'7	63'4	63'3	63'8	66'1	65'6	70'2	66'1	61'0	63'6																			
25	44'4	39'8	38'8	56'8	47'8	54'4	54'5	61'1	61'4	55'3	53'1	51'0																			
26	56'8	57'1	57'4	56'9	58'1	57'4	58'1	58'4	59'8	59'7	59'9	59'6																			
27	50'6	51'8	53'0	52'6	52'7	52'9	53'2	55'1	—	55'3	55'3	54'9																			
28	52'8	51'2	50'8	49'8	50'9	50'9	51'3	51'9	53'9	53'1	52'3	51'3																			
29	50'3	50'6	51'0	—	—	—	—	—	—	—	—	—																			
30	—	—	—	53'9	53'8	54'4	54'2	55'0	55'3	55'2	55'6	55'3																			
31	54'2	56'0	54'7	56'0	56'0	57'0	57'3	57'7	—	—	58'0	58'9																			
Hourly Means	54'50	54'27	54'37	56'58	55'74	56'81	57'20	58'24	59'86	58'45	58'05	58'12																			
TEMPERATURE OF THE BIFILAR MAGNET.																															
JULY.	1 a	2 a	3 a	4 a	5 b	6 b	7 b	8 b	9 b	10 b	11 b	12 b	13 b	14 b	15 c	16 a	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	49'0	49'0	49'0	—	—	—	—	—	—	—	—	—	—	—	—	—	49'0	49'5	49'8	49'8	46'8	46'8	—	43'8	44'8	47'8	47'6	52'0	55'0	—	49'4
	—	—	—	48'6	—	—	—	—	—	—	—	—	—	—	—	—	50'6	49'5	49'8	49'8	46'9	46'6	—	43'7	45'2	48'0	47'4	52'2	54'8	—	49'0
	—	—	—	49'8	—	—	—	—	—	—	—	—	—	—	—	—	50'3	49'5	49'8	49'8	46'8	46'4	—	43'5	46'0	48'0	47'2	52'2	54'8	—	48'8
	—	—	—	51'4	—	—	—	—	—	—	—	—	—	—	—	—	50'2	49'5	49'8	49'8	46'8	46'4	—	43'1	46'0	48'0	47'2	52'6	54'8	—	48'2
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49'7	48'4	48'4	48'4	46'2	46'0	—	42'7	46'0	47'3	47'0	52'5	—	—	48'0
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	49'5	48'4	48'4	48'4	46'2	46'0	—	42'3	46'3	47'2	47'0	52'2	—	—	48'0
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48'8	48'4	48'0	48'0	46'0	46'0	—	42'0	46'6	46'9	47'0	52'2	—	—	48'0
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48'5	48'2	47'2	47'2	46'0	46'0	—	42'0	46'4	46'9	47'0	52'2	—	—	47'2
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48'8	48'2	47'2	47'2	46'0	46'0	—	42'0	46'6	46'9	52'2	52'2	—	—	47'0
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48'5	48'0	47'2	47'2	46'0	46'0	—	42'2	46'4	46'9	52'6	52'6	—	—	47'0
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48'2	48'0	46'8	46'8	45'6	45'6	—	41'8	46'4	47'0	52'6	52'6	—	—	52'0
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48'0	48'0	46'8	46'8	45'6	45'6	—	41'2	46'4	47'0	52'6	52'6	—	—	51'5
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48'0	48'0	46'8	46'8	45'6	45'6	—	41'4	46'5	47'0	52'8	52'8	—	—	51'2
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48'0	47'2	46'5	46'5	45'2	45'2	—	41'6	46'5	46'5	53'0	53'0	—	—	46'7
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	47'8	47'2	46'5	46'5	45'0	45'0	—	41'0	46'7	46'5	53'0	53'0	—	—	51'0
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	47'8	47'2	46'5	46'5	45'0	45'0	—	41'0	46'7	46'5	53'0	53'0	—	—	46'7
Hourly Means	48'79	48'68	48'57	48'04	47'90	47'62	47'23	47'24	47'01	46'90	46'75	46'57																			

* Not included in the means.

b Experiments made to ascertain the temperature coefficient of the Magnet.

c New adjustment.

HORIZONTAL FORCE.												
One Scale Division = '000120 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.
100'1	97'5	87'9	91'5	92'2	87'4	101'2	97'5	96'2	97'4	98'1	95'0	95'39
93'1	90'5	87'5	78'5	84'1	83'0	89'6	92'0	93'0	93'0	93'4	92'9	92'54
95'1	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	50'7	49'9	51'3	—
55'0	53'7	53'5	52'7	53'2	53'9	55'4	56'1	56'1	56'0	57'0	56'3	54'45
57'8	—	—	52'5	53'5	53'1	55'7	56'6	56'5	56'4	56'7	56'5	56'12
59'9	58'8	57'2	55'4	55'0	55'9	57'8	59'0	58'0	57'6	57'4	56'6	57'69
60'5	60'0	58'4	57'7	58'2	60'0	60'8	60'2	60'3	60'5	60'8	60'0	59'00
62'5	63'1	61'4	58'0	57'3	58'4	59'7	60'6	59'6	58'3	57'9	57'9	59'86
—	—	—	—	—	—	—	—	—	—	—	—	—
65'2	65'1	64'3	63'9	64'1	65'3	65'5	64'6	64'5	63'9	62'9	62'8	63'10
63'2	61'4	60'0	59'1	62'4	63'7	65'7	65'5	64'3	57'4	56'0	40'5	62'15
53'1	51'2	48'3	47'1	50'7	56'7	56'1	54'4	57'6	57'0	55'4	56'0	52'58
58'2	58'0	56'5	—	—	—	48'4	48'5	47'0	49'7	51'8	49'3	55'55
55'0	53'6	50'0	42'9	46'7	50'8	51'7	51'8	54'2	53'9	53'6	53'4	52'39
51'8	50'5	49'3	47'7	47'7	48'6	49'8	50'8	51'3	49'9	51'0	50'8	50'81
—	—	—	—	—	—	—	—	—	—	—	—	—
52'1	50'9	52'4	53'3	49'6	50'4	50'5	52'3	55'0	53'4	56'2	53'9	53'11
60'0	60'6	59'5	56'1	56'5	56'2	57'4	57'6	58'0	58'0	58'4	58'0	57'37
58'02	57'24	55'90	53'87	54'57	56'09	56'50	56'77	57'11	56'31	56'55	54'77	56'48

TEMPERATURE OF THE BIFILAR MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
48'0	48'2	48'8	48'8	48'8	49'0	49'4	49'4	49'6	49'6	49'6	49'6	48'63
50'6	51'6	52'3	51'9	51'2	5'12	51'0	51'0	51'5	51'6	51'6	51'6	50'57
50'4	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
48'0	48'0	48'2	48'4	48'8	49'0	49'5	49'5	49'6	49'7	49'8	49'6	49'16
47'4	46'5	—	49'2	49'8	49'8	50'0	50'2	50'6	50'7	50'5	50'2	49'18
—	—	46'8	47'2	48'0	48'6	49'0	49'5	49'4	49'4	49'6	49'5	48'26
46'3	46'0	46'0	46'0	46'2	46'3	46'8	47'6	47'5	47'2	47'0	47'0	47'51
45'0	45'3	45'6	45'7	46'0	46'0	46'4	47'0	47'0	47'0	47'2	47'2	46'21
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
41'0	41'6	42'0	42'0	42'0	42'5	43'1	44'0	44'1	44'2	44'0	44'0	43'10
41'0	41'0	41'3	41'9	41'8	42'2	43'0	43'4	43'6	44'2	44'5	44'6	42'55
45'6	45'4	45'0	45'6	46'0	46'2	47'0	47'5	48'0	48'2	48'0	48'0	46'32
46'5	46'8	47'2	—	—	—	50'5	49'6	48'9	48'4	48'0	47'7	47'55
46'8	47'5	48'5	49'0	49'0	49'8	50'2	50'4	51'0	51'2	51'2	51'4	48'40
52'8	53'0	53'2	53'6	54'0	54'0	54'8	55'0	55'0	55'0	54'8	54'8	53'30
—	—	—	—	—	—	—	—	—	—	—	—	—
50'6	50'7	50'9	51'2	51'1	51'0	50'0	50'6	50'8	50'2	50'2	49'9	50'16
46'5	47'0	47'4	48'0	48'8	49'0	49'0	49'0	49'3	49'0	48'7	48'4	48'14
46'46	46'57	46'84	47'32	47'63	47'87	48'41	48'72	48'43	48'80	48'73	48'64	47'78

HORIZONTAL FORCE.													
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = '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.	
AUGUST.	1	58.1	57.8	57.8	57.6	58.5	58.3	58.9	59.3	—	60.0	60.4	
	2	58.9	58.6	58.1	59.4	58.0	58.3	58.8	58.9	59.3	59.4	60.6	
	3	56.8	59.0	61.2	60.3	60.9	60.5	60.2	59.6	—	59.0	59.1	
	4	56.2	68.7	56.4	52.9	53.8	53.1	54.5	54.7	57.0	56.1	55.4	54.0
	5	56.5	58.2	57.5	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	58.2	59.7	59.3	58.5	57.9	59.8	60.3	59.9
	7	57.8	57.6	58.8	57.5	57.6	58.2	57.9	58.9	58.5	58.5	58.6	59.0
	8	53.3	55.4	53.7	55.4	56.2	57.6	56.9	58.7	—	—	55.4	55.6
	9	55.8	54.0	59.5	56.5	55.6	55.9	55.7	56.8	56.7	56.9	56.0	55.1
	10	56.6	60.2	56.9	58.0	57.1	57.5	57.7	58.0	58.2	58.5	59.2	58.6
	11	60.5	59.6	58.3	64.7	60.2	58.6	59.6	60.0	60.4	60.7	60.7	60.2
	12	57.6	57.2	59.9	—	—	—	—	—	—	—	—	—
	13	—	—	—	58.8	58.5	62.5	59.8	60.6	60.2	61.4	61.6	61.9
	14	59.4	59.9	59.6	58.9	60.7	—	61.2	61.2	61.7	60.1	62.0	62.5
	15	60.1	60.3	60.8	60.6	60.7	61.7	62.0	62.6	63.0	62.1	62.7	63.7
	16	62.8	63.0	63.1	62.8	63.6	63.9	63.3	63.3	—	63.7	64.9	66.1
	17	63.4	63.4	63.7	64.2	64.1	64.3	65.0	65.9	65.7	66.0	66.8	68.1
	18	63.3	63.4	63.9	63.9	63.2	63.7	63.5	65.2	—	66.1	66.7	66.8
	19	64.0	63.6	62.2	—	—	—	—	—	—	—	—	—
	20	—	—	—	64.0	64.2	64.3	64.5	64.9	64.9	65.2	65.9	67.1
	21	64.4	64.7	65.0	65.2	65.2	65.9	66.1	66.1	66.7	66.7	67.2	68.2
	22	62.7	62.6	63.6	63.3	63.3	63.5	65.0	66.2	69.7	68.5	68.3	65.8
	23	64.7	64.1	63.0	64.8	—	63.4	65.0	61.4	63.5	63.0	63.7	61.8
	24	66.8	64.2	66.5	64.1	65.9	65.9	64.8	65.9	66.4	67.2	67.3	67.3
	25	65.8	65.6	67.8	65.5	—	66.4	67.1	66.9	66.0	66.1	64.6	64.8
	26	63.1	62.4	61.6	—	—	—	—	—	—	—	—	—
	27	—	—	—	62.1	62.0	62.9	61.1	61.3	62.7	63.3	62.7	62.5
	28	63.8	63.5	64.3	64.0	63.9	64.5	65.0	65.8	66.0	66.5	66.7	66.8
	29	66.9	67.0	67.5	67.0	67.2	67.8	68.3	68.9	70.0	70.7	71.6	71.8
	30	71.7	71.4	71.5	71.7	71.9	72.2	72.4	72.4	72.5	73.1	73.9	73.7
	31	68.4	67.7	67.8	68.2	69.1	68.3	68.3	69.3	69.7	70.1	71.2	71.9
Hourly Means	61.46	61.97	61.85	61.98	61.58	62.27	62.29	62.64	63.49	63.41	63.46	63.53	
TEMPERATURE OF THE BIFILAR MAGNET.													
AUGUST.	1	48.0	48.0	47.7	47.6	47.5	47.2	46.6	46.2	—	45.6	45.5	
	2	48.3	48.3	48.2	48.5	48.2	48.0	47.4	47.2	47.0	46.2	46.0	
	3	48.8	48.8	48.8	49.2	49.8	49.6	49.4	49.8	—	49.5	49.5	
	4	50.0	50.0	50.6	51.5	51.3	51.1	51.0	50.7	50.4	50.2	50.2	
	5	50.2	50.0	49.6	—	—	—	—	—	—	—	—	
	6	—	—	—	—	48.0	48.0	48.0	47.5	47.7	47.7	47.6	
	7	51.5	51.5	51.5	52.0	52.3	52.2	52.1	52.0	52.0	51.8	52.0	
	8	55.0	55.3	55.1	55.2	54.6	54.6	54.6	54.2	—	—	53.2	
	9	54.8	54.8	54.5	55.0	55.0	54.8	54.6	54.2	54.0	54.0	53.8	
	10	55.0	54.8	54.8	54.8	54.7	54.4	54.2	54.2	53.6	53.0	53.0	
	11	53.0	52.7	52.6	52.8	52.6	52.4	52.0	51.8	51.6	51.2	51.0	
	12	54.0	53.6	53.6	—	—	—	—	—	—	—	—	
	13	—	—	—	52.8	52.6	52.5	52.2	52.0	51.6	51.4	51.5	
	14	54.0	54.0	53.6	53.8	53.4	—	52.8	52.4	52.0	51.5	51.0	
	15	53.1	52.8	52.4	52.4	52.0	51.0	50.6	50.4	49.8	49.4	49.2	
	16	52.0	52.0	51.5	52.0	51.6	51.2	51.0	50.8	—	50.4	50.4	
	17	50.2	50.0	49.7	49.8	49.5	49.2	48.8	48.5	48.2	48.0	48.0	
	18	52.2	52.0	52.0	52.0	52.0	51.8	51.6	51.0	—	50.6	50.2	
	19	51.0	51.0	51.0	—	—	—	—	—	—	—	—	
	20	—	—	—	51.8	51.8	51.8	51.7	51.6	51.2	51.0	51.0	
	21	52.2	52.0	51.8	51.6	51.0	51.0	50.2	50.0	49.8	49.6	49.2	
	22	51.0	50.6	50.4	50.4	50.4	50.2	49.9	49.6	49.5	49.3	49.2	
	23	51.7	51.8	51.7	52.0	—	51.8	51.8	51.8	51.5	51.0	51.0	
	24	51.2	51.0	50.8	50.7	50.2	50.0	49.8	49.5	49.3	49.0	48.8	
	25	50.7	50.8	51.0	51.4	—	51.2	51.2	51.2	51.5	51.4	51.4	
	26	56.2	56.5	56.7	—	—	—	—	—	—	—	—	
	27	—	—	—	57.0	57.0	57.0	57.0	57.0	57.3	57.2	57.2	
	28	56.0	56.0	55.2	55.4	55.4	55.0	54.6	54.3	53.8	53.0	52.8	
	29	53.0	53.0	52.6	52.0	51.8	51.6	51.4	51.2	51.0	50.2	50.0	
	30	47.2	47.0	46.8	46.6	46.2	46.0	46.0	46.0	46.3	46.7	46.0	
	31	48.0	48.0	48.0	48.0	48.2	48.3	48.3	48.3	48.2	48.2	48.2	
Hourly Means	51.79	51.71	51.56	51.78	51.48	51.23	51.07	50.87	50.79	50.27	50.26	50.19	

HORIZONTAL FORCE.

One Scale Division = '000229 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. 61'8	Sc. Div. 61'1	Sc. Div. 58'5	Sc. Div. 57'0	Sc. Div. 57'5	Sc. Div. 57'7	Sc. Div. 57'5	Sc. Div. 58'2	Sc. Div. 58'7	Sc. Div. 59'1	Sc. Div. 59'1	Sc. Div. 59'0	Sc. Div. 58'82
61'7	60'0	58'6	58'1	57'8	58'8	58'2	57'8	57'6	58'0	58'2	58'8	58'90
62'6	61'7	55'9	51'9	53'8	56'9	57'0	58'0	56'3	56'1	49'4	49'6	57'63
54'8	54'2	55'7	58'3	55'7	51'3	56'3	56'8	55'8	52'9	54'1	57'9	58'10
—	—	—	—	—	—	—	—	—	—	—	—	—
60'9	—	—	60'4	60'4	58'7	59'2	59'2	58'5	58'2	58'0	58'1	58'92
59'1	58'9	57'3	54'8	54'0	53'3	55'5	57'2	57'8	57'6	55'8	54'5	57'28
56'4	53'3	51'7	53'1	56'4	52'4	48'7	45'2	55'0	55'6	55'7	58'8	54'57
53'6	53'0	53'6	54'6	56'0	56'0	57'2	58'1	57'6	56'6	57'5	57'6	56'08
58'0	57'5	56'4	57'3	64'8	59'3	60'6	61'2	61'3	61'8	59'0	59'9	58'48
59'8	61'5	60'1	60'3	60'2	60'1	61'2	60'8	58'8	58'0	56'2	59'8	60'02
—	—	—	—	—	—	—	—	—	—	—	—	—
61'3	59'5	59'8	58'3	58'6	56'9	56'7	58'5	58'4	59'9	60'3	59'9	59'50
62'4	62'6	62'3	61'5	61'2	61'5	—	60'8	61'4	59'6	59'7	61'2	60'97
62'1	61'3	59'9	59'1	61'8	62'1	63'3	64'7	63'4	63'3	63'1	63'6	62'00
66'4	65'3	61'9	61'0	61'5	61'3	62'7	62'1	64'4	64'1	64'2	63'8	63'40
67'8	65'3	63'0	62'3	61'3	63'7	64'0	64'1	64'1	63'9	64'0	63'9	64'50
66'7	65'7	65'2	64'4	64'0	64'1	65'1	65'2	65'4	64'9	64'3	64'0	64'29
—	—	—	—	—	—	—	—	—	—	—	—	—
67'3	65'7	63'4	62'3	62'0	63'1	63'8	65'1	65'0	64'3	64'0	63'9	64'36
69'3	68'8	67'1	65'3	64'7	65'6	66'5	67'4	69'3	67'0	64'4	63'2	66'25
64'8	59'5	53'8	59'8	62'4	60'8	62'5	64'8	64'0	60'5	62'4	62'8	63'36
63'9	62'2	61'8	61'7	60'5	63'1	61'9	64'1	64'2	64'0	63'6	64'4	63'35
66'4	64'8	64'0	64'0	64'3	66'3	66'6	67'5	67'2	66'5	63'2	65'2	65'78
65'3	64'0	64'5	62'4	62'0	64'6	65'5	60'9	61'7	62'4	62'4	62'5	64'54
—	—	—	—	—	—	—	—	—	—	—	—	—
61'4	59'6	57'2	58'5	59'0	60'5	61'2	61'9	62'9	63'1	63'6	63'6	61'68
65'6	64'1	61'5	60'2	58'9	61'5	64'5	65'4	66'0	66'3	66'5	66'7	64'93
71'4	70'3	67'7	65'5	65'2	66'9	69'3	69'9	71'1	71'2	71'5	71'1	68'99
73'3	71'7	68'8	66'7	66'9	68'6	69'3	71'1	70'6	69'9	69'0	69'2	70'98
72'2	70'8	69'9	67'8	66'7	67'5	68'8	68'8	67'9	67'0	67'0	67'1	68'82
63'57	62'40	60'75	60'24	60'65	60'84	61'63	62'03	62'39	61'92	61'34	61'86	62'06

TEMPERATURE OF THE BIFILAR MAGNET.

45'4	46'0	46'6	47'0	47'3	48'0	48'3	48'6	48'8	48'8	48'7	48'4	47'27
45'6	45'7	46'6	47'0	47'6	47'5	47'8	48'2	48'8	48'4	48'8	48'9	47'51
49'0	49'0	50'0	50'0	50'0	50'0	50'0	50'0	50'4	50'4	50'2	50'0	49'63
49'4	50'0	50'2	50'6	50'8	51'0	51'0	51'0	51'0	51'0	50'6	50'6	50'59
—	—	—	—	—	—	—	—	—	—	—	—	—
47'7	—	—	48'6	49'2	50'0	50'2	51'0	51'0	51'0	51'0	51'2	49'18
52'0	52'0	52'6	53'0	53'6	54'0	54'4	54'7	54'8	55'0	55'0	54'8	52'87
54'0	54'3	54'7	54'9	54'8	54'6	54'6	55'0	55'0	55'2	55'3	55'1	54'70
53'4	53'4	53'6	53'8	54'0	54'2	54'6	54'8	55'0	55'2	55'0	55'0	54'38
53'0	52'2	52'0	52'0	52'2	52'3	52'5	52'5	52'7	53'0	53'0	53'0	53'33
50'6	50'8	52'0	52'4	52'7	52'8	53'2	53'5	54'8	54'6	54'6	54'3	52'52
—	—	—	—	—	—	—	—	—	—	—	—	—
51'0	51'0	51'2	52'0	52'5	53'0	53'4	53'9	54'2	54'4	54'0	54'3	52'66
50'5	50'7	51'0	51'4	51'4	52'0	—	53'2	53'2	53'8	53'7	53'5	52'43
49'0	48'7	48'4	48'6	49'0	49'8	50'2	51'0	51'2	51'5	51'6	51'4	50'52
50'0	50'0	50'0	50'0	50'3	51'0	51'0	51'0	51'0	50'8	50'6	50'2	50'84
47'6	48'1	48'3	49'0	49'8	50'2	50'7	50'8	51'4	52'0	52'4	52'2	49'59
50'0	49'8	49'8	49'8	50'0	50'0	50'5	51'0	51'0	51'0	51'0	51'0	50'88
—	—	—	—	—	—	—	—	—	—	—	—	—
50'8	50'7	51'0	51'1	51'3	51'5	51'8	52'2	52'4	53'0	52'5	52'3	51'52
49'0	48'8	48'8	49'0	49'0	49'2	49'8	50'0	50'5	50'9	50'8	50'8	50'02
49'0	49'0	49'0	49'0	49'3	49'6	50'0	50'5	50'9	51'2	51'4	51'6	50'01
51'4	51'4	51'3	51'3	51'2	51'2	51'0	51'3	51'5	51'5	51'3	51'3	51'43
48'2	48'0	48'3	48'4	48'6	49'0	49'2	49'6	50'0	50'0	50'0	50'2	49'52
51'6	51'8	52'0	52'2	52'8	53'5	54'0	54'9	55'3	54'2	56'0	56'0	52'50
—	—	—	—	—	—	—	—	—	—	—	—	—
57'2	57'2	57'2	57'4	57'2	57'0	57'0	56'8	56'7	56'6	56'5	56'0	56'92
53'0	53'0	53'0	53'0	53'1	53'3	53'6	53'5	53'7	53'7	53'2	53'2	53'91
49'4	49'2	48'8	48'6	48'4	48'2	48'0	47'8	47'2	47'0	47'3	47'4	49'78
46'0	46'0	46'0	46'2	46'5	47'0	47'0	47'5	47'8	47'8	47'8	48'0	46'68
48'0	48'0	48'8	49'0	49'6	50'0	50'3	50'3	50'6	50'6	50'6	50'6	48'93
50'07	50'18	50'43	50'57	50'82	51'11	51'31	51'65	51'89	51'95	51'96	51'90	51'12

HORIZONTAL FORCE.													
One Scale Division = '000229 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.	
SEPTEMBER.	1	66·3	66·7	68·0	76·1	68·0	67·8	68·6	65·2	66·5	68·4	66·9	
	2	64·1	64·6	66·5	—	—	—	—	—	—	—	—	
	3	—	—	—	67·4	68·0	68·5	68·6	68·8	68·6	67·8	68·2	68·8
	4	68·2	66·7	68·5	68·3	—	68·8	67·9	67·9	68·8	68·1	69·9	71·3
	5	67·2	66·7	68·7	68·3	66·5	68·4	68·2	67·2	67·3	67·4	67·4	67·0
	6	66·3	67·3	67·9	68·1	68·0	68·5	69·5	69·9	70·3	70·3	69·4	67·9
	7	70·5	69·8	69·5	69·9	70·3	—	71·4	71·3	71·0	71·2	72·5	71·6
	8	69·8	71·3	69·6	68·6	—	72·8	69·5	70·0	70·3	70·8	69·7	70·0
	9	67·4	66·0	68·7	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	67·1	67·4	69·5	69·1	68·9	68·5	68·5	68·7
	11	64·5	64·7	66·4	68·1	68·0	68·0	68·1	68·5	69·1	69·1	69·5	69·6
	12	70·1	72·9	74·2	70·2	69·5	70·8	70·3	71·0	71·3	71·8	71·9	72·0
	13	70·6	71·5	71·8	72·2	71·0	73·9	71·9	71·9	73·2	72·7	72·6	72·3
	14	72·8	72·9	73·5	74·0	73·3	73·1	73·9	73·8	74·4	74·1	73·9	71·2
	15	74·0	72·8	73·7	73·9	72·0	72·0	72·3	72·9	73·2	73·5	73·8	73·4
	16	72·2	73·2	72·8	—	—	—	—	—	—	—	—	—
	17	—	—	—	—	72·5	72·7	73·3	73·3	76·0	76·1	75·6	75·7
	18	71·8	71·5	74·5	72·0	72·3	72·4	73·4	76·6	74·4	72·2	70·8	73·7
	19	66·1	74·0	68·5	68·4	68·9	69·5	70·6	71·2	72·5	71·4	68·7	68·2
	20	71·3	70·6	70·1	70·5	—	71·3	71·5	71·0	71·6	72·5	70·8	70·4
	21	70·3	68·3	70·2	69·9	70·1	70·7	71·1	71·7	69·9	71·3	71·5	69·4
	22	69·0	67·5	68·9	75·1	72·4	70·2	68·9	69·2	70·3	69·5	70·8	67·4
	23	74·0	75·3	70·9	—	—	—	—	—	—	—	—	—
	24	—	—	—	71·8	72·1	72·8	73·1	73·1	73·2	73·4	74·0	73·0
	25	70·7	71·4	74·0	73·5	73·0	73·2	72·5	72·6	73·2	72·9	72·5	71·4
	26	69·6	69·6	69·4	72·5	69·5	70·3	68·8	68·7	68·5	69·1	69·5	69·5
	27	67·5	67·5	67·3	67·2	67·0	66·8	66·6	67·6	67·6	67·2	67·1	66·1
	28	57·7	—	65·2	62·6	63·8	64·1	64·8	65·2	66·7	66·6	66·0	64·8
	29	70·9	70·8	71·7	72·3	—	71·7	71·6	73·0	72·6	72·7	73·7	72·9
	30	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	68·92	69·73	70·02	70·47	69·68	70·65	70·24	70·43	70·78	70·74	70·61	70·14	
TEMPERATURE OF THE BIFILAR MAGNET.													
SEPTEMBER.	1	50·6	50·6	50·4	50·4	50·3	50·4	50·0	50·2	49·8	49·6	49·0	49·0
	2	51·4	51·6	51·6	—	—	—	—	—	—	—	—	—
	3	—	—	—	50·2	49·9	49·7	49·5	49·3	48·8	48·6	48·5	48·4
	4	51·0	51·0	50·9	50·8	—	50·2	50·0	49·8	49·6	49·2	49·0	49·0
	5	50·5	50·3	50·2	50·1	50·0	49·8	49·5	49·2	49·0	48·8	48·0	48·0
	6	50·0	50·0	50·0	50·0	49·8	49·6	49·3	48·9	48·7	48·4	48·0	47·8
	7	49·4	49·4	49·4	49·5	49·2	—	49·0	49·0	48·8	48·8	48·4	48·0
	8	49·3	49·2	49·2	49·2	—	49·0	49·0	49·0	48·6	48·5	48·3	48·3
	9	52·0	52·0	52·0	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	52·4	52·2	52·4	52·6	52·4	52·2	52·2	52·0
	11	55·0	54·8	54·6	54·3	54·0	53·5	53·2	53·0	52·9	52·6	52·3	52·0
	12	51·0	51·0	50·8	50·8	50·5	50·3	50·0	49·8	49·5	49·2	49·0	48·7
	13	49·5	49·5	49·3	49·4	49·3	49·2	49·0	48·8	48·5	48·0	48·0	48·0
	14	48·8	48·7	48·5	48·5	48·4	48·0	48·0	48·0	47·7	47·6	47·4	47·3
	15	48·8	49·0	49·0	49·0	49·0	48·9	48·7	48·6	48·5	48·3	48·2	48·2
	16	48·9	48·8	48·7	—	—	—	—	—	—	—	—	—
	17	—	—	—	—	49·0	48·5	48·4	48·0	48·1	47·9	47·7	47·5
	18	50·8	50·6	50·8	50·6	50·8	50·7	50·6	50·5	50·2	50·2	50·2	50·2
	19	52·5	52·9	53·0	53·2	53·0	52·8	52·6	52·5	52·0	52·0	52·0	52·0
	20	52·6	52·3	52·2	52·2	—	52·0	51·5	50·0	51·2	51·0	50·9	51·0
	21	55·0	55·0	55·0	54·8	54·7	54·5	54·2	54·2	54·2	54·0	54·0	53·8
	22	55·1	55·0	54·8	54·8	54·8	54·8	54·8	54·8	54·2	54·0	54·0	53·5
	23	53·2	52·8	52·8	—	—	—	—	—	—	—	—	—
	24	—	—	—	52·7	52·6	52·5	52·3	52·3	52·0	51·8	51·6	51·7
	25	54·2	54·3	54·2	54·3	54·2	54·0	54·0	54·2	54·2	54·2	54·2	54·2
	26	57·7	57·8	57·8	58·0	58·0	58·0	57·8	58·0	57·7	57·7	57·6	57·4
	27	61·8	62·0	62·0	62·0	62·7	62·8	62·8	62·8	63·0	63·0	63·0	63·2
	28	62·8	—	62·3	62·0	61·8	61·5	61·2	60·8	60·0	60·0	59·8	59·4
	29	57·2	56·8	56·5	56·2	—	55·0	54·8	54·0	53·7	53·3	52·8	52·4
Hourly Means	52·76	52·31	52·64	52·74	52·59	52·41	52·10	51·93	51·73	51·56	51·36	51·24	

HORIZONTAL FORCE.

One Scale Division = '00229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah. = '00234.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 67.1	Sc. Div. 66.6	Sc. Div. 65.3	Sc. Div. 63.2	Sc. Div. 66.5	Sc. Div. 66.1	Sc. Div. 68.7	Sc. Div. 63.0	Sc. Div. 63.7	Sc. Div. 64.8	Sc. Div. 73.4	Sc. Div. 62.5	Sc. Div. 66.95
69.3	67.7	66.0	65.5	64.5	65.0	67.2	68.5	67.0	68.2	67.7	68.0	67.27
71.2	69.3	67.2	66.4	66.7	67.8	67.0	60.8	61.7	66.0	66.0	66.8	67.45
67.1	66.2	65.0	63.5	67.0	69.0	69.5	65.8	65.2	63.8	63.2	60.5	66.50
67.1	66.5	65.2	63.8	64.1	65.0	67.5	68.9	69.3	70.3	71.2	69.7	68.00
70.6	68.6	66.5	67.5	67.5	67.6	68.8	69.1	71.0	70.4	71.4	70.9	69.96
68.9	67.4	67.0	66.5	66.5	67.7	69.1	67.6	69.0	67.6	67.9	67.6	68.92
67.7	68.4	66.3	65.0	65.7	65.4	65.1	65.5	64.6	63.9	64.8	66.3	66.89
67.7	67.4	65.7	65.1	66.2	68.2	69.4	69.9	71.1	70.2	71.0	69.7	68.13
71.1	69.2	68.1	67.8	68.7	66.5	69.9	70.4	70.7	70.7	70.5	70.4	70.42
72.4	70.7	69.5	68.7	69.6	71.3	72.2	73.1	73.4	72.1	71.9	72.6	71.80
71.2	70.9	—	69.4	70.0	72.2	73.3	74.1	74.0	74.1	73.8	73.8	72.94
71.3	69.0	68.0	68.1	69.4	71.7	73.5	73.6	73.4	73.2	72.9	73.1	72.28
74.7	76.5	75.5	75.5	76.2	76.0	74.3	74.7	73.5	73.2	71.6	71.1	74.18
71.2	70.6	72.0	67.3	64.9	66.9	67.1	71.0	71.6	72.1	63.7	72.2	71.15
69.4	68.6	67.0	66.3	66.6	68.0	69.3	70.0	69.0	63.7	64.4	68.9	68.72
69.7	68.4	66.5	64.9	67.8	68.6	66.8	66.5	67.6	69.8	66.6	68.8	69.29
66.2	66.1	65.8	65.9	66.3	63.3	65.6	63.9	66.5	68.6	66.1	67.2	68.16
65.6	65.9	65.1	66.1	68.0	69.1	68.5	70.3	68.9	69.9	70.6	69.5	69.03
71.3	70.1	70.0	69.6	70.7	72.7	72.6	73.8	74.0	73.2	71.7	70.7	72.38
69.8	68.6	66.7	67.0	68.8	70.2	71.7	70.7	70.5	70.6	70.0	69.1	71.03
67.3	65.5	65.1	66.1	67.3	69.0	69.7	69.6	68.9	68.5	67.9	68.2	64.50
63.9	61.9	60.3	61.7	62.7	64.0	65.8	61.1	62.7	63.3	59.7	60.2	64.70
64.4	63.3	63.3	64.1	65.7	67.1	68.0	68.9	68.1	69.0	70.2	70.5	65.66
71.3	70.3	70.0	68.3	68.3	70.3	72.4	71.3	71.2	73.7	73.4	73.0	71.63
69.10	68.11	66.96	66.53	67.43	68.35	69.32	68.88	69.06	69.24	68.86	68.85	69.29

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
48.8	48.8	48.8	49.0	49.2	49.2	49.6	50.0	50.8	50.8	51.2	51.4	49.91
49.0	49.0	49.0	49.6	50.0	50.4	50.5	51.0	51.2	51.2	51.3	51.3	50.04
49.0	49.2	49.3	49.4	49.4	49.6	50.0	50.4	50.4	50.6	50.8	50.7	49.97
48.2	48.2	48.2	48.5	49.0	49.0	49.0	49.5	50.0	50.3	50.2	50.2	49.32
48.0	48.0	48.0	48.0	48.0	48.4	48.7	48.7	48.8	49.2	49.0	49.2	48.85
48.3	48.2	48.3	48.5	48.5	48.8	49.0	49.0	49.2	49.3	49.5	49.6	48.92
48.2	48.2	48.7	49.2	49.8	50.0	50.8	51.0	51.2	51.8	51.8	52.0	49.58
52.2	52.3	52.8	53.2	53.8	54.0	54.7	55.0	55.2	55.0	55.3	55.2	53.18
51.8	51.9	51.8	51.8	51.6	51.5	51.2	51.6	51.5	51.4	51.0	51.0	52.51
48.2	48.5	48.6	49.0	49.1	49.3	49.6	49.7	49.7	49.7	49.4	49.6	49.62
48.0	47.8	47.8	47.8	48.0	48.2	48.4	48.5	48.8	49.0	49.0	49.0	48.62
47.2	47.3	—	47.4	47.7	48.0	48.0	48.2	48.2	48.5	48.5	48.8	48.03
48.0	48.0	48.0	48.0	48.3	48.4	48.5	48.7	48.8	48.8	49.0	49.0	48.57
47.5	47.7	48.2	48.5	49.0	49.0	49.8	50.0	50.5	50.7	50.6	50.8	48.86
50.0	50.0	50.2	50.8	50.8	51.2	51.5	51.7	52.0	52.2	52.3	52.3	50.88
51.5	51.5	51.5	51.5	51.7	51.7	52.0	52.2	52.4	52.6	52.8	52.8	52.28
51.2	51.5	52.0	52.0	52.7	53.3	53.7	54.2	54.5	54.7	55.0	55.0	52.47
53.8	53.8	53.8	54.0	54.2	54.5	54.7	55.0	55.1	55.0	55.0	55.0	54.47
53.4	53.3	53.3	53.2	53.2	53.2	53.2	53.3	53.4	53.5	53.5	53.3	53.93
52.0	52.0	52.0	52.2	52.6	53.2	53.4	53.7	53.9	54.1	54.0	54.0	52.72
54.5	54.7	55.0	55.4	55.7	56.3	56.4	56.8	57.2	57.5	57.7	57.8	55.22
57.2	57.3	57.5	57.8	58.3	59.0	59.2	60.0	60.6	61.0	61.0	61.5	58.50
63.2	63.4	63.8	64.0	64.0	64.0	64.1	64.0	63.8	63.6	63.2	63.0	63.13
59.3	59.0	58.8	58.7	58.6	58.5	58.5	58.5	58.2	58.0	57.8	57.6	59.70
52.2	52.0	51.8	51.8	52.0	52.0	52.0	52.0	52.0	51.9	52.0	52.0	53.32
51.25	51.26	51.55	51.57	51.81	52.03	52.26	52.91	52.70	52.82	52.44	52.88	52.11

HORIZONTAL FORCE.												
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '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.	
Sept. 30.	75·3	73·1	81·4	—	—	—	—	—	—	—	—	
1	—	—	—	—	—	76·0	76·7	77·4	77·9	78·2	78·0	
2	74·2	73·7	73·0	72·5	74·8	73·7	73·5	74·3	75·6	75·7	76·2	
3	68·0	70·0	71·0	71·4	71·7	71·8	72·0	72·0	72·5	73·0	72·0	
4	70·0	70·5	70·8	73·0	69·2	69·2	69·0	69·7	69·5	69·4	68·7	
5	67·1	67·7	70·5	68·8	69·9	71·4	74·5	70·0	71·8	71·8	71·4	
6	70·3	74·0	73·0	72·8	73·1	74·5	74·6	75·0	75·1	74·9	73·4	
7	73·4	74·8	73·0	—	—	—	—	—	—	—	—	
8	—	—	—	72·5	72·6	74·0	73·9	74·8	75·0	75·3	74·6	
9	73·0	72·3	72·4	72·6	72·3	73·1	73·5	73·9	74·7	74·4	74·2	
10	72·5	74·8	73·4	73·3	74·0	74·1	74·5	74·6	74·7	75·1	75·0	
11	75·0	75·0	74·9	74·5	74·3	74·5	74·8	75·5	75·7	76·5	77·2	
12	75·2	75·7	74·8	74·0	74·1	74·9	75·7	77·2	77·2	77·8	76·3	
13	73·3	72·9	73·7	76·8	73·6	73·7	73·8	74·6	75·7	76·2	76·9	
14	73·8	74·3	75·4	—	—	—	—	—	—	—	—	
15	—	—	—	75·6	76·1	76·9	78·2	77·6	75·4	75·9	72·1	
16	74·1	77·9	79·8	77·8	77·7	77·7	76·2	75·1	76·7	77·7	74·9	
17	73·8	79·3	83·1	72·5	73·3	74·5	73·0	71·8	74·0	74·9	74·5	
18	75·0	73·7	74·6	73·3	73·3	73·8	74·4	73·4	74·2	74·2	73·6	
19	74·0	73·3	73·5	73·0	75·1	73·3	74·1	75·0	75·1	75·1	74·4	
20	73·0	78·0	75·3	74·5	74·5	74·9	75·4	—	75·6	76·8	76·4	
21	75·8	75·6	75·5	—	—	—	—	—	—	—	—	
22	—	—	—	77·7	77·8	77·7	78·5	78·8	80·6	80·4	80·4	
23	79·2	78·8	78·6	78·4	—	78·9	79·0	79·3	—	80·0	79·1	
24	78·7	75·2	76·4	77·1	77·0	77·8	77·9	78·1	78·0	78·0	77·0	
25	75·8	75·6	75·3	75·2	75·7	75·4	74·4	75·8	76·3	76·9	76·5	
26	77·9	72·4	72·3	73·2	71·7	73·2	72·4	72·3	72·5	72·9	72·4	
27	78·0	79·8	73·0	72·7	73·8	73·8	73·3	74·2	75·7	75·7	76·1	
28	79·4	76·4	76·8	—	—	—	—	—	—	—	—	
29	—	—	—	80·5	80·5	80·7	82·9	81·0	81·5	82·6	81·0	
30	78·6	79·7	80·8	78·6	81·8	78·0	79·5	80·1	80·2	81·0	81·6	
31	76·9	76·3	76·7	72·5	—	79·0	78·1	77·9	77·6	78·8	78·7	
Hourly Means	74·49	74·84	75·15	74·42	74·50	75·06	75·33	75·36	75·72	76·27	75·65	
TEMPERATURE OF THE BIFILAR MAGNET.												
Sept. 30	51·4	51·2	51·0	—	—	—	—	—	—	—	—	
1	—	—	—	—	—	49·7	49·6	49·6	49·0	49·0	49·0	
2	53·2	53·2	53·2	53·2	53·0	52·8	52·0	52·0	51·9	51·4	51·1	
3	55·0	55·0	55·0	55·0	54·7	54·6	54·4	54·2	54·0	53·8	53·7	
4	59·9	60·0	60·0	60·2	60·3	60·3	60·2	60·2	60·0	59·8	60·0	
5	60·1	59·7	59·3	59·1	58·5	58·2	58·0	57·0	56·8	56·5	56·2	
6	55·0	54·6	54·2	54·4	54·3	53·8	53·4	53·2	53·0	52·6	52·4	
7	56·0	56·0	55·9	—	—	—	—	—	—	—	—	
8	—	—	—	57·2	57·0	57·0	56·8	56·5	56·3	56·1	55·8	
9	58·0	58·0	58·0	58·0	58·5	58·4	58·3	58·2	58·0	57·6	57·4	
10	57·6	57·4	57·3	57·0	56·4	56·0	55·8	55·4	55·0	54·8	54·0	
11	57·2	57·5	57·2	57·5	57·7	57·5	57·2	57·2	57·2	56·8	56·6	
12	56·8	56·4	56·2	56·0	56·2	55·6	55·3	54·8	54·0	53·5	53·2	
13	56·2	56·2	56·2	56·2	55·9	55·4	55·4	55·2	55·0	54·5	54·0	
14	55·0	54·8	54·5	—	—	—	—	—	—	—	—	
15	—	—	—	51·9	51·6	51·3	50·8	50·6	50·2	50·0	49·6	
16	52·3	52·6	52·9	53·1	53·0	53·0	53·0	53·2	53·2	53·2	53·2	
17	57·2	57·2	57·0	57·0	57·0	57·0	56·8	56·5	56·3	56·3	56·2	
18	59·0	59·0	59·0	58·8	58·7	58·6	58·3	58·0	57·8	57·5	57·5	
19	59·0	59·0	59·0	58·8	58·4	58·0	57·8	57·7	57·0	56·8	56·5	
20	57·7	57·5	57·0	57·0	57·0	56·8	56·2	—	55·9	55·6	55·3	
21	57·0	57·0	57·0	—	—	—	—	—	—	—	—	
22	—	—	—	54·8	54·5	54·5	54·0	54·0	53·5	53·5	53·0	
23	55·0	54·8	54·8	54·8	—	54·6	54·5	54·2	—	54·2	54·0	
24	55·0	55·2	55·2	55·6	56·2	56·3	56·4	56·5	56·5	56·8	57·2	
25	59·3	59·2	58·9	58·9	58·5	58·0	57·6	57·2	57·0	56·5	56·0	
26	60·5	60·5	60·6	60·6	60·2	60·0	60·0	60·3	60·3	60·0	59·8	
27	60·2	60·0	60·0	60·0	59·8	59·3	59·0	58·7	58·0	57·8	57·5	
28	57·3	57·3	57·2	—	—	—	—	—	—	—	—	
29	—	—	—	52·8	52·2	52·0	51·8	51·2	51·3	51·0	50·7	
30	52·0	52·0	51·8	52·0	52·0	51·8	51·7	51·6	51·0	51·2	51·4	
31	54·7	54·7	54·7	54·8	—	54·5	54·0	54·0	54·0	54·0	54·0	
Hourly Means	56·58	56·52	56·41	56·33	56·32	55·74	55·49	55·28	55·02	54·84	54·64	

HORIZONTAL FORCE.												
One Scale Division = '000229 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.
73.4	66.1	70.4	72.8	74.8	76.3	78.0	76.0	72.7	73.7	72.7	74.5	75.12
72.7	72.4	71.8	72.7	75.0	77.3	76.5	70.3	69.5	68.2	70.4	78.1	73.66
68.7	67.2	66.0	68.4	70.2	70.6	71.9	72.6	72.2	71.0	71.2	69.3	70.65
67.0	64.9	63.8	62.3	65.8	67.7	69.0	68.4	67.0	66.7	66.3	65.9	67.98
69.5	68.5	65.9	64.2	67.1	68.6	71.4	71.8	72.2	71.9	72.6	73.3	70.13
72.0	69.9	68.9	68.5	71.2	73.2	73.8	75.0	75.0	74.6	75.3	73.8	73.19
—	—	—	—	—	—	—	—	—	—	—	—	—
70.8	68.2	66.6	68.0	70.6	73.2	74.5	75.2	75.9	71.7	71.7	73.3	72.77
71.0	68.6	66.8	67.9	70.1	73.6	74.4	76.4	72.3	72.8	72.6	71.8	72.39
74.7	72.6	71.3	71.8	73.4	75.2	75.4	76.0	75.0	74.6	74.9	75.0	74.19
73.5	70.7	70.4	73.0	75.2	76.0	76.7	76.3	75.8	75.8	75.5	74.7	74.90
74.0	70.8	69.6	71.2	76.1	77.5	77.2	75.8	74.7	75.0	76.0	73.7	75.01
75.0	72.8	68.3	70.7	72.2	74.5	76.1	77.0	78.0	75.2	73.1	72.8	74.30
—	—	—	—	—	—	—	—	—	—	—	—	—
73.9	71.2	72.3	73.8	75.0	74.3	78.7	81.3	77.4	78.4	75.9	80.5	75.82
74.7	72.6	73.3	74.9	74.7	76.8	77.1	76.5	71.0	74.3	72.7	74.6	75.64
68.8	69.5	70.3	72.5	74.7	76.3	74.5	74.9	75.8	74.6	74.5	72.8	74.05
71.8	71.0	70.7	68.5	69.0	68.6	71.6	73.9	73.2	72.8	73.5	73.1	72.65
71.2	70.4	72.0	72.1	74.1	74.0	74.6	72.0	72.4	74.0	73.3	73.5	73.46
70.7	68.5	69.9	71.0	75.1	77.4	77.5	77.6	76.8	76.6	76.1	76.0	74.86
—	—	—	—	—	—	—	—	—	—	—	—	—
75.6	72.8	71.0	71.1	73.6	76.8	79.0	78.8	79.1	79.4	79.4	79.3	77.21
74.9	72.7	72.3	72.0	74.6	78.6	80.5	80.0	81.2	79.5	80.2	79.4	77.91
72.7	71.2	71.3	72.6	73.3	—	75.7	75.7	74.0	71.8	73.1	75.4	75.30
73.1	72.8	73.5	74.4	75.8	77.3	80.1	77.3	75.4	—	75.8	75.8	75.59
69.8	67.9	67.5	70.2	71.4	73.9	72.6	73.0	74.6	73.8	74.8	74.2	72.40
72.7	73.0	72.1	72.7	75.4	76.2	77.7	76.5	76.5	76.6	76.3	76.9	75.10
—	—	—	—	—	—	—	—	—	—	—	—	—
78.0	75.7	75.5	76.8	78.0	79.5	81.0	81.8	83.0	82.1	80.3	80.7	79.65
78.0	76.5	76.7	78.0	78.4	79.6	78.9	78.9	79.9	80.9	77.1	78.1	79.23
77.3	76.0	73.9	75.5	77.3	77.8	79.7	76.8	77.8	78.4	78.2	77.8	77.27
72.80	70.91	70.45	71.39	73.41	75.03	76.08	75.77	75.13	74.78	74.57	74.97	74.44
TEMPERATURE OF THE BIFILAR MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
49.4	49.7	50.3	50.6	51.0	51.6	52.0	52.4	53.0	53.0	53.2	53.3	50.82
51.0	51.0	53.0	51.6	52.0	52.5	53.0	53.5	53.9	54.3	54.5	54.5	52.62
53.8	54.0	54.2	55.0	55.7	56.6	57.3	57.8	58.5	59.0	59.5	59.7	55.59
59.8	59.7	59.8	59.8	59.8	60.0	60.2	60.4	60.5	60.7	60.6	60.3	60.11
55.8	55.7	55.6	55.7	56.0	55.8	56.0	55.8	55.6	55.5	55.2	56.0	56.83
52.0	52.2	52.5	53.0	53.2	53.5	54.0	54.6	55.1	55.4	55.7	55.8	53.75
—	—	—	—	—	—	—	—	—	—	—	—	—
55.3	55.3	55.3	55.5	56.0	56.0	56.6	57.0	57.5	57.8	57.8	58.0	56.43
57.5	57.5	57.5	57.6	57.7	57.9	58.1	58.2	58.2	58.0	58.0	57.8	57.90
53.8	53.8	54.0	54.4	54.6	55.2	55.5	56.0	56.5	56.8	57.1	57.3	55.65
56.0	56.2	56.0	56.2	56.7	57.0	57.0	57.0	57.0	57.2	57.0	57.0	56.93
53.2	53.2	53.2	53.5	54.0	54.4	54.8	55.3	55.6	55.8	56.1	56.2	54.85
54.0	54.0	54.0	53.8	53.8	54.0	54.0	54.4	54.5	54.6	54.9	55.0	54.80
—	—	—	—	—	—	—	—	—	—	—	—	—
49.5	49.5	49.2	49.2	49.6	49.8	50.3	50.7	51.3	51.5	51.9	52.2	51.02
53.5	53.8	54.2	54.5	55.3	55.5	56.2	56.5	56.8	57.0	57.3	57.4	54.32
56.0	56.0	56.0	56.3	56.4	57.0	57.5	58.0	58.5	58.7	58.8	58.8	57.03
57.8	58.0	58.0	58.4	58.6	58.8	59.2	59.4	59.4	59.4	59.0	59.0	58.54
56.4	56.2	56.1	56.2	56.0	56.5	57.1	57.2	57.4	57.4	57.7	57.8	57.35
55.3	55.2	55.2	55.2	55.5	56.1	56.4	56.6	56.8	57.0	57.0	57.0	56.29
—	—	—	—	—	—	—	—	—	—	—	—	—
53.2	53.2	53.4	53.5	53.4	53.8	54.0	54.0	54.2	54.5	54.9	55.0	54.29
53.8	53.7	53.7	53.8	53.8	54.0	54.0	54.0	54.6	54.8	55.0	55.0	54.32
57.8	58.2	58.2	58.5	59.0	—	59.3	59.4	59.4	59.5	59.4	59.4	57.50
56.0	56.0	56.3	56.8	57.0	57.5	58.2	58.8	59.2	—	60.0	60.4	57.80
59.3	59.4	59.5	59.8	60.0	60.5	61.0	61.0	61.0	61.0	60.6	60.6	60.25
57.2	57.0	57.0	56.8	56.8	57.0	57.1	57.2	57.3	57.3	57.4	57.4	58.05
—	—	—	—	—	—	—	—	—	—	—	—	—
50.4	50.4	50.4	50.5	51.0	51.0	51.0	51.2	51.8	51.9	51.8	52.0	52.03
51.4	51.5	51.8	52.0	52.6	53.0	53.4	53.7	54.0	54.4	54.6	54.7	52.37
53.8	54.1	54.3	54.5	54.7	55.0	55.5	56.2	57.2	57.5	58.3	58.6	55.09
54.56	54.61	54.77	54.91	55.19	55.38	55.88	56.16	56.47	56.54	56.79	56.90	55.66

HORIZONTAL FORCE.												
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fahr. = '000234.												
Mean Göttingen Time. } NOVEMBER.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
1	77·6	77·5	77·0	75·9	76·2	75·4	76·2	76·0	77·0	76·9	76·1	74·9
2	72·9	73·6	74·5	74·0	74·0	72·6	73·4	73·2	73·7	73·7	69·9	65·0
3	71·1	72·7	74·8	73·6	72·0	73·0	73·3	73·0	73·1	74·0	73·4	72·5
4	79·2	78·7	78·2	—	—	—	—	—	—	—	—	—
5	—	—	—	80·0	81·7	79·5	79·0	79·9	78·2	78·2	77·2	76·1
6	75·3	76·0	77·7	76·0	77·5	77·2	79·2	78·9	79·9	79·1	79·4	77·3
7	77·1	77·9	77·8	72·8	78·9	76·0	78·8	79·6	78·3	78·5	78·7	77·0
8	78·2	77·2	78·8	79·9	—	76·9	78·4	78·8	79·3	80·1	80·5	79·5
9	76·6	78·1	73·9	80·3	79·7	80·3	80·2	80·2	81·3	80·7	80·2	79·2
10	79·8	79·8	80·0	81·2	80·7	80·1	79·5	79·9	80·4	80·8	80·8	80·0
11	79·4	78·8	79·9	—	—	—	—	—	—	—	—	—
12	—	—	—	82·1	83·2	82·6	83·4	84·0	84·0	83·8	85·1	84·4
13	81·2	81·0	80·4	80·9	86·4	82·0	78·9	75·5	76·7	76·5	76·9	77·1
14	79·1	78·2	78·7	79·0	80·2	79·1	78·5	78·8	79·1	79·7	80·2	76·6
15	78·0	77·2	78·0	80·3	81·1	77·1	77·4	77·4	78·6	79·5	77·8	77·4
16	79·3	79·2	80·0	80·9	79·5	80·3	79·8	79·6	80·0	81·0	81·8	79·4
17	77·5	77·4	77·3	78·1	77·0	78·2	76·9	77·2	77·4	77·3	77·5	75·7
18	74·4	73·9	73·6	—	—	—	—	—	—	—	—	—
19	—	—	—	75·0	75·5	76·1	76·6	77·3	78·2	78·6	77·0	75·0
20	80·1	80·4	80·5	80·2	80·0	81·3	81·8	82·1	—	82·4	81·0	78·9
21	82·1	82·1	82·0	82·2	82·7	82·6	83·9	82·1	82·0	82·0	80·8	79·1
22	81·8	80·7	—	80·3	80·8	81·1	81·9	82·3	82·8	84·1	84·2	82·4
23	81·4	81·0	81·8	81·0	80·2	81·3	81·2	82·1	—	82·8	82·1	78·3
24	84·1	82·3	81·5	81·5	79·7	80·6	81·3	81·7	82·3	83·5	82·9	79·8
25	79·4	79·4	79·7	—	—	—	—	—	—	—	—	—
26	—	—	—	—	80·7	79·9	81·0	81·8	81·5	81·6	80·9	80·0
27	80·3	80·2	80·1	80·3	79·8	80·1	80·0	81·2	—	81·9	80·4	80·3
28	80·8	80·9	80·8	82·2	81·5	82·4	80·5	80·6	80·2	80·3	80·3	80·5
29	77·8	84·1	78·0	80·1	78·3	76·2	76·3	77·3	78·2	77·7	77·1	75·1
30	79·3	80·8	80·2	81·3	81·1	80·1	80·3	80·4	81·6	80·1	80·1	79·2
Hourly Means	78·61	78·81	78·61	79·16	79·54	78·92	79·14	79·27	79·30	79·80	79·32	77·72
TEMPERATURE OF THE BIFILAR MAGNET.												
1	58·8	59·0	59·0	59·2	59·5	59·0	59·0	59·0	59·1	59·0	58·9	59·0
2	67·0	67·0	67·0	66·8	66·4	66·3	65·7	65·4	63·8	64·0	64·2	64·0
3	63·0	62·8	62·7	62·8	62·6	62·0	62·0	61·5	61·0	60·6	60·0	60·0
4	59·8	59·7	59·0	—	—	—	—	—	—	—	—	—
5	—	—	—	57·5	57·3	57·2	57·0	56·8	56·5	56·2	56·4	56·4
6	58·2	58·1	57·8	57·8	57·5	57·5	57·5	57·4	57·0	57·0	56·8	56·5
7	59·6	59·5	59·4	59·4	59·4	59·2	59·0	58·8	58·6	58·4	58·2	57·9
8	60·0	59·8	59·6	59·4	—	59·3	58·8	58·6	58·0	57·8	57·5	57·5
9	56·6	56·6	56·5	56·4	56·3	55·5	55·5	55·2	55·0	55·0	55·0	55·2
10	57·5	57·4	57·2	57·4	57·4	57·2	57·0	57·0	57·2	57·2	57·0	56·8
11	58·0	58·0	57·2	—	—	—	—	—	—	—	—	—
12	—	—	—	55·2	55·2	55·0	55·0	55·0	54·8	54·2	54·0	54·0
13	58·2	58·2	58·2	58·4	58·5	58·4	58·2	58·0	58·2	58·0	57·8	57·7
14	59·6	59·5	59·4	59·4	59·7	59·6	59·4	59·4	59·0	59·0	59·0	59·0
15	61·3	61·2	61·2	61·0	60·4	60·4	60·0	60·0	60·0	59·4	59·2	59·2
16	60·7	60·5	60·2	60·0	59·6	59·2	59·0	59·0	58·7	58·3	58·2	57·9
17	63·0	63·0	63·0	63·2	63·6	63·4	63·3	63·2	62·8	62·6	62·8	62·5
18	70·7	71·1	71·3	—	—	—	—	—	—	—	—	—
19	—	—	—	67·0	66·7	66·4	66·0	65·2	65·2	64·8	64·5	64·3
20	62·0	61·5	61·2	61·0	61·0	60·7	60·4	60·0	—	59·0	59·0	58·8
21	59·6	59·5	59·3	59·2	58·6	58·6	58·5	58·3	58·0	57·8	57·5	57·4
22	58·8	58·8	—	58·8	59·0	58·8	58·7	58·7	58·5	58·4	58·2	57·8
23	60·0	60·0	60·0	60·0	60·2	60·1	59·9	59·7	—	60·0	58·8	59·0
24	60·8	60·7	60·6	60·6	60·5	60·0	59·8	59·4	59·0	59·0	58·8	58·8
25	62·2	62·5	62·5	—	—	—	—	—	—	—	—	—
26	—	—	—	—	62·5	62·3	62·2	62·0	61·6	61·2	61·0	61·0
27	64·6	64·5	64·3	64·2	63·8	63·5	63·2	63·0	—	62·5	62·2	62·2
28	64·5	64·2	64·4	64·0	63·4	63·2	63·0	62·5	62·2	61·8	61·6	61·6
29	68·5	68·4	68·2	68·2	67·8	67·4	67·0	66·4	65·8	65·4	65·2	65·0
30	65·4	65·0	64·8	64·7	64·2	64·0	64·0	63·8	63·4	63·0	63·0	63·0
Hourly Means	61·48	61·40	61·36	60·83	60·81	60·55	60·35	60·13	59·71	59·60	59·42	59·33

HORIZONTAL FORCE.												
One Scale Division = '000229 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. 73·0	Sc. Div. 70·7	Sc. Div. 70·0	Sc. Div. 70·6	Sc. Div. 70·6	Sc. Div. 72·6	Sc. Div. 74·7	Sc. Div. 74·3	Sc. Div. 73·6	Sc. Div. 73·4	Sc. Div. 72·6	Sc. Div. 72·5	Sc. Div. 74·39
66·3	65·7	67·4	69·7	68·3	70·5	70·1	72·9	71·0	73·5	72·4	72·5	71·28
70·5	68·4	67·4	68·9	70·7	73·5	75·1	76·0	75·2	74·8	76·0	76·0	72·88
—	—	—	—	—	—	—	—	—	—	—	—	—
74·3	73·6	73·3	74·1	76·9	78·1	78·1	79·5	79·2	79·7	78·0	77·8	77·85
76·0	74·1	74·9	75·8	76·7	79·0	78·5	78·4	78·8	77·6	78·3	77·4	77·46
75·3	72·7	72·1	73·4	75·4	76·6	77·8	78·0	78·0	78·2	78·3	78·2	76·89
76·6	74·6	74·5	74·0	79·6	80·5	78·2	77·6	78·1	79·1	79·4	77·2	78·13
77·7	76·2	76·0	77·5	80·2	82·2	82·2	81·4	81·9	80·8	82·1	80·4	79·55
77·7	75·9	75·2	77·0	79·3	81·4	81·5	81·4	81·2	80·0	79·4	79·4	79·68
—	—	—	—	—	—	—	—	—	—	—	—	—
82·2	81·2	80·1	80·2	81·2	82·8	76·4	79·8	81·6	80·8	77·3	80·0	81·43
75·3	74·3	70·7	72·1	76·3	78·9	79·0	80·0	79·1	79·7	78·4	79·0	78·18
76·2	75·4	72·9	73·1	74·3	74·7	78·4	78·6	78·2	78·3	77·4	78·2	77·62
—	74·7	73·4	74·6	—	78·4	79·9	80·7	79·8	79·7	78·1	79·0	77·64
76·8	76·7	76·0	78·9	77·9	80·5	77·2	78·8	77·4	77·8	78·2	78·4	78·98
74·0	72·5	71·4	71·1	73·4	75·7	76·5	75·8	75·7	75·2	74·5	74·7	75·75
—	—	—	—	—	—	—	—	—	—	—	—	—
73·5	72·0	72·2	74·4	76·6	78·3	79·4	79·0	78·7	80·0	79·7	80·0	76·46
77·1	75·2	75·1	75·4	78·0	81·0	79·9	82·1	81·0	79·3	—	81·9	79·76
77·5	76·3	76·7	79·5	81·5	83·1	83·3	84·6	83·4	82·8	81·8	81·9	81·50
79·6	77·0	74·5	78·8	83·5	84·8	86·0	85·2	83·4	82·2	82·5	81·6	81·80
73·7	71·3	73·1	77·4	81·3	83·1	84·1	83·6	83·4	82·9	83·3	84·6	80·65
76·9	75·7	75·7	77·8	80·8	82·2	82·5	82·0	80·9	79·9	80·3	80·3	80·68
—	—	—	—	—	—	—	—	—	—	—	—	—
77·8	76·5	76·5	78·7	81·0	84·1	84·9	82·6	81·2	81·4	81·1	80·4	80·53
78·6	75·9	76·0	78·0	79·8	80·0	80·4	79·0	79·2	80·2	80·8	81·0	79·72
77·3	75·9	77·0	78·7	79·5	80·7	81·4	81·2	80·0	80·6	78·8	80·0	80·09
72·5	71·9	72·7	76·1	78·5	77·9	80·6	78·6	79·7	79·5	78·6	79·5	77·60
76·5	74·5	75·3	76·7	78·3	79·0	78·4	79·2	79·8	79·0	79·5	77·2	79·08
75·71	74·19	73·85	75·48	77·58	79·22	79·40	79·63	79·21	79·09	78·67	78·81	78·29

TEMPERATURE OF THE BIFILAR MAGNET.												
59·0	59·2	59·5	60·4	61·4	62·5	63·5	64·0	65·0	65·8	66·0	66·6	60·89
63·8	63·5	63·2	63·2	63·2	63·5	63·5	63·5	63·5	63·3	63·3	63·3	64·52
60·0	58·9	58·9	59·9	60·0	60·0	60·0	60·1	60·2	60·2	60·0	60·0	60·80
—	—	—	—	—	—	—	—	—	—	—	—	—
56·4	56·5	56·7	56·8	57·2	57·3	57·4	57·5	57·8	58·0	58·0	58·2	57·40
56·5	56·7	57·0	57·3	57·6	58·1	58·4	58·8	59·0	59·5	59·7	59·7	57·81
57·8	57·8	58·0	58·2	58·0	59·0	59·0	59·2	59·8	59·8	60·0	60·0	58·92
57·4	57·3	57·4	57·2	57·0	57·1	57·1	57·1	57·2	57·0	57·0	56·8	57·91
55·2	55·3	55·2	55·4	56·0	56·4	56·4	56·8	57·2	57·4	57·6	57·6	56·05
56·6	56·5	56·6	57·0	57·0	57·5	58·0	58·0	58·2	58·2	58·2	58·0	57·34
—	—	—	—	—	—	—	—	—	—	—	—	—
54·0	53·8	54·2	58·2	56·5	56·6	56·4	57·0	57·5	58·0	58·3	58·4	56·02
57·8	57·8	58·0	58·2	58·0	58·8	59·0	59·0	59·2	59·7	59·6	59·6	58·44
59·0	59·0	59·2	59·4	59·5	59·7	60·0	60·3	60·6	60·8	61·2	61·2	59·66
59·3	59·3	59·3	59·5	—	59·4	59·5	59·6	60·0	60·2	60·4	60·6	60·02
57·8	58·0	58·5	59·0	59·8	60·0	61·0	61·4	62·0	62·2	62·5	63·0	59·85
62·8	63·0	63·7	64·0	64·9	65·8	66·7	67·5	68·4	69·0	69·6	70·3	64·67
—	—	—	—	—	—	—	—	—	—	—	—	—
64·0	63·7	63·5	63·3	63·0	63·0	63·0	63·0	62·8	62·7	62·2	62·0	64·98
58·8	58·6	58·7	58·7	59·0	59·1	59·3	59·5	59·6	59·8	—	59·7	59·79
57·5	57·5	57·5	57·7	58·2	58·0	58·2	58·5	58·5	58·8	59·0	59·0	58·36
58·0	58·2	58·3	58·7	59·0	59·0	59·4	59·8	60·0	60·0	60·0	60·0	58·91
59·0	59·0	59·0	59·2	59·6	59·8	60·0	60·3	60·5	60·7	60·8	60·8	59·84
58·8	59·0	59·3	59·4	59·6	60·0	60·4	60·5	61·1	61·4	61·8	62·0	60·05
—	—	—	—	—	—	—	—	—	—	—	—	—
61·2	61·2	61·5	61·8	62·3	62·7	63·3	63·5	63·8	64·3	64·5	64·5	62·42
62·4	62·5	62·7	62·8	63·2	63·5	64·0	64·2	64·4	64·2	64·5	64·5	63·52
61·5	61·7	62·0	62·5	63·0	64·0	64·8	65·5	66·4	67·3	67·7	68·2	63·79
64·7	64·7	64·7	64·7	64·7	64·9	65·1	65·3	65·4	65·5	65·4	65·5	66·00
62·8	63·0	63·2	63·8	63·2	65·4	66·0	66·4	66·4	67·0	67·0	66·7	64·59
59·31	59·30	59·45	59·86	60·08	60·43	60·75	61·01	61·33	61·55	61·77	61·78	60·49

HORIZONTAL FORCE.													
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '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.	
DECEMBER.	1	75.0	78.2	—	77.8	78.3	79.5	79.8	77.5	78.1	77.8	77.5	76.0
	2	76.5	79.7	85.8	—	—	—	—	—	—	—	—	—
	3	—	—	—	80.7	80.3	80.3	80.3	80.4	81.0	81.8	80.9	78.5
	4	80.0	79.6	79.2	81.5	80.1	79.7	79.9	80.5	82.1	81.9	80.7	78.1
	5	83.7	84.3	83.9	83.0	82.5	83.5	85.5	85.6	86.3	83.2	82.7	79.2
	6	84.5	83.7	84.8	86.0	85.2	85.1	85.7	86.4	85.7	85.9	85.0	82.5
	7	86.3	85.8	85.5	86.0	85.3	85.1	84.6	84.6	—	—	84.5	82.8
	8	86.0	85.1	85.0	85.7	87.9	84.3	83.8	86.2	—	81.4	81.0	78.5
	9	83.6	82.8	85.4	—	—	—	—	—	—	—	—	—
	10	—	—	—	81.9	83.9	85.9	82.7	82.6	81.1	82.6	82.4	81.5
	11	83.8	84.4	84.4	83.6	86.2	87.6	84.9	84.4	81.6	85.6	85.1	82.4
	12	84.1	86.4	83.3	88.5	82.8	82.5	83.0	82.9	82.8	81.5	83.2	77.9
	13	85.9	86.0	85.6	85.7	84.8	84.5	85.0	84.8	84.8	84.6	83.6	80.7
	14	85.5	86.0	86.7	84.9	84.5	84.9	85.2	85.7	85.9	82.8	82.7	82.3
	15	85.3	85.8	85.5	89.9	—	83.8	83.5	84.0	83.6	85.7	85.3	83.4
	16	85.5	84.8	85.8	—	—	—	—	—	—	—	—	—
	17	—	—	—	85.4	85.0	85.9	86.0	86.2	86.8	87.0	86.5	84.8
	18	83.8	84.2	83.3	82.6	83.5	82.4	82.8	82.7	84.8	85.0	85.0	83.8
	19 ^a	83.4	83.8	83.7	84.9	—	—	—	—	—	85.1	85.0	82.7
	20	80.2	80.6	80.5	80.8	81.2	81.7	82.8	83.9	84.6	85.1	84.8	82.7
	21	81.0	81.2	81.0	80.6	80.8	80.0	80.2	80.3	80.8	81.3	80.9	79.5
	22	81.0	81.4	81.7	81.4	81.9	82.7	83.6	83.9	84.1	84.8	84.9	83.0
	23	85.2	85.2	84.9	—	—	—	—	—	—	—	—	—
	24	—	—	—	83.6	84.0	85.3	86.4	86.3	86.8	87.4	87.4	86.2
	25	85.3	81.6	84.6	85.3	84.6	83.6	84.2	84.4	85.0	86.8	86.8	85.8
	26	82.9	82.8	82.2	82.6	81.8	81.8	82.5	83.5	84.0	84.1	83.8	82.7
	27	80.5	79.8	82.7	82.6	83.0	86.3	87.7	86.6	82.8	83.1	84.0	84.7
	28	82.8	84.3	80.4	77.7	82.1	82.7	84.5	83.9	84.4	83.8	84.3	83.4
	29	84.5	85.5	85.0	86.1	84.2	84.6	84.9	85.1	85.1	84.0	86.6	86.5
	30 ^b	86.2	86.0	87.1	—	—	—	—	—	—	—	—	—
	31 ^b	—	—	—	86.2	87.3	85.9	85.2	84.8	—	84.9	85.2	85.1
Hourly Means	83.16	83.41	83.93	83.60	83.38	83.58	83.79	83.89	83.74	83.84	83.79	82.80	
TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
DECEMBER.	1	66.0	66.0	—	65.5	65.5	65.3	65.0	64.8	64.5	64.2	64.8	64.0
	2	64.2	64.0	64.0	—	—	—	—	—	—	—	—	—
	3	—	—	—	63.0	63.0	63.0	62.8	62.8	62.5	62.4	62.0	62.0
	4	64.2	64.5	64.5	64.5	64.2	64.0	63.8	63.2	63.3	63.0	62.6	62.6
	5	60.6	60.4	60.2	59.9	59.8	59.4	59.0	59.0	58.5	58.2	58.0	58.0
	6	57.6	57.5	57.4	57.3	57.0	56.8	56.4	56.4	56.0	56.0	55.5	55.2
	7	58.7	58.7	58.5	58.6	59.0	58.8	58.8	58.5	—	—	58.2	58.2
	8	59.8	59.6	59.4	59.8	59.7	59.6	59.4	59.2	—	58.8	58.8	59.0
	9	62.6	62.6	62.5	—	—	—	—	—	—	—	—	—
	10	—	—	—	62.0	62.0	61.4	61.0	61.0	61.3	61.0	60.6	60.3
	11	60.8	61.0	61.0	60.8	60.6	60.3	60.0	59.7	59.2	59.0	58.8	58.6
	12	59.8	59.6	59.4	59.4	59.3	58.8	58.5	58.5	58.5	58.0	57.4	57.0
	13	59.3	59.0	59.0	59.0	59.0	59.0	58.8	58.5	58.3	58.1	57.9	57.8
	14	59.3	59.2	59.2	59.2	59.2	59.0	58.7	58.5	58.4	58.0	58.0	58.0
	15	59.5	59.5	59.4	59.4	—	58.8	58.4	58.0	58.0	57.5	57.2	57.0
	16	61.2	61.2	61.2	—	—	—	—	—	—	—	—	—
	17	—	—	—	61.3	61.0	60.7	60.5	60.3	59.8	59.5	59.8	60.0
	18	64.3	64.3	64.2	64.3	64.0	64.0	64.0	64.0	63.8	63.2	63.0	63.1
	19 ^a	65.0	65.0	64.8	64.8	—	—	—	—	—	62.8	62.7	62.7
	20	65.0	65.0	65.0	65.0	64.7	64.4	64.0	63.6	63.0	62.5	62.4	62.5
	21	69.2	69.4	69.2	69.5	69.5	69.3	69.2	69.0	68.8	68.6	68.4	68.5
	22	70.3	69.4	69.0	68.8	68.0	67.5	67.0	66.4	66.1	65.4	65.0	64.7
	23	65.0	64.8	64.2	—	—	—	—	—	—	—	—	—
	24	—	—	—	64.2	64.0	64.0	63.6	63.6	63.2	63.2	62.8	62.8
	25	64.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	63.8	63.8	63.8	64.0
	26	67.0	67.0	67.0	67.0	67.1	66.7	66.5	66.3	65.8	65.8	66.0	66.0
	27	68.1	67.8	67.6	67.4	66.8	66.4	66.0	65.8	65.2	65.0	64.5	64.0
	28	63.5	63.2	63.2	63.0	63.3	63.0	62.6	62.3	61.8	61.8	61.2	61.0
	29	64.0	64.0	63.8	63.8	63.6	63.3	63.0	62.7	62.0	62.0	61.8	61.5
	30 ^b	63.6	63.6	63.6	—	—	—	—	—	—	—	—	—
	31 ^b	—	—	—	63.5	63.5	63.4	63.4	63.2	—	63.3	63.3	63.4
Hourly Means	63.12	63.01	62.77	62.81	62.83	62.44	62.18	61.97	61.90	61.60	61.27	61.17	

^a Not included in the daily means; but from 15h. to 23h. included in the hourly means. ^b Not included in the daily means, but included in the hourly means.

HORIZONTAL FORCE.

One Scale Division = '000229 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. 74·3	Sc. Div. 74·2	Sc. Div. 74·7	Sc. Div. 77·0	Sc. Div. 81·0	Sc. Div. 81·7	Sc. Div. 80·8	Sc. Div. 79·0	Sc. Div. 78·7	Sc. Div. 79·2	Sc. Div. 78·1	Sc. Div. 77·6	Sc. Div. 77·90
75·8	75·2	77·7	79·5	82·8	83·2	83·0	82·5	79·7	78·8	79·5	80·4	80·18
76·0	74·4	76·7	79·2	81·0	82·3	84·2	83·9	84·3	84·1	85·1	85·1	80·82
77·0	76·6	78·9	80·9	84·1	86·3	86·8	87·2	86·5	86·2	85·7	84·2	83·49
81·6	81·0	83·2	85·0	85·4	85·7	83·7	86·1	87·3	86·8	86·6	86·1	84·96
80·2	78·1	78·4	79·5	83·4	85·5	86·3	86·4	86·9	86·2	85·8	86·4	84·25
76·0	75·8	79·3	84·2	87·0	87·6	92·9	92·1	88·9	82·6	84·3	84·3	84·34
75·6	76·3	70·3	74·5	78·9	78·5	78·0	80·6	81·0	81·4	84·1	83·7	80·80
79·1	77·6	75·3	80·2	82·5	82·8	81·3	84·6	83·6	84·1	84·6	85·3	83·13
77·0	77·8	79·9	82·4	84·4	84·8	85·0	85·9	84·9	86·0	84·9	85·9	83·24
81·0	80·2	80·5	81·9	83·7	85·4	86·3	85·7	83·8	85·7	86·4	85·0	84·23
81·8	82·3	83·6	83·6	85·7	86·1	87·3	86·4	86·0	86·3	85·8	85·6	84·90
81·1	81·7	84·5	86·2	87·7	88·9	89·1	87·0	86·5	86·1	86·0	86·0	85·50
83·8	82·8	82·8	84·3	87·5	89·1	88·2	87·0	86·5	85·5	84·3	84·0	85·65
82·1	80·4	78·8	78·5	80·1	81·8	83·8	84·2	84·7	84·6	83·7	83·8	82·93
80·4	79·4	78·2	80·4	82·7	83·3	84·0	85·3	84·0	84·8	84·4	80·5	—
81·1	80·4	79·7	79·8	80·7	82·5	84·4	83·5	83·0	82·2	81·2	81·2	82·03
78·1	77·1	76·4	76·4	78·4	80·2	80·7	80·4	80·2	79·7	80·1	80·8	79·84
80·7	79·3	78·8	78·6	81·0	84·0	85·3	84·8	85·4	84·2	83·5	84·2	82·68
83·9	81·8	80·3	80·1	82·0	85·6	87·9	86·5	87·0	87·8	88·5	85·4	85·23
83·6	81·8	81·1	80·6	80·4	81·5	82·5	82·8	83·4	83·0	83·9	—	83·59
82·0	81·9	82·0	82·4	80·1	81·9	82·8	84·5	83·5	84·3	83·7	81·8	82·73
83·2	88·2	84·2	82·8	82·1	84·1	84·2	83·2	82·9	87·4	84·9	82·3	83·89
82·9	83·4	84·5	85·6	86·7	87·5	87·4	86·7	85·6	84·9	85·3	84·8	84·15
86·3	85·9	84·4	82·5	83·0	83·8	85·0	85·4	85·7	86·3	85·5	86·0	85·08
85·0	84·4	84·9	—	—	—	—	—	—	—	—	—	—
80·37	79·94	80·04	81·04	82·89	84·16	84·84	84·87	84·40	84·33	84·24	83·77	83·20

TEMPERATURE OF THE BIFILAR MAGNET.

63·8	63·8	64·0	64·2	64·0	64·5	65·6	64·8	65·0	65·0	64·8	64·5	64·77
62·0	62·2	62·4	62·6	63·2	63·2	63·8	64·0	64·0	64·2	64·7	64·0	63·17
62·3	62·2	62·0	62·0	61·5	61·4	61·5	61·2	61·0	61·2	60·8	60·8	62·60
58·0	57·8	57·5	57·5	57·8	57·8	57·9	57·8	57·7	57·7	57·6	57·6	58·49
55·5	55·5	55·8	56·2	56·5	56·8	57·2	57·5	57·5	58·0	58·4	58·6	56·78
58·0	58·0	58·4	58·5	58·8	59·0	59·0	59·2	59·5	59·6	59·6	59·8	58·79
59·2	59·2	59·2	59·5	59·8	60·2	60·5	61·3	61·8	62·2	62·5	62·6	60·05
60·0	60·0	59·8	59·8	59·6	59·8	59·8	60·0	60·2	60·5	60·6	60·8	60·80
58·8	59·0	59·3	59·2	59·7	59·7	59·8	60·0	60·1	60·2	60·2	60·0	64·83
57·3	57·3	57·5	57·7	57·5	57·8	58·0	58·0	58·6	59·0	59·3	59·3	58·40
57·7	57·5	57·7	57·8	58·0	58·0	58·0	58·2	58·6	58·9	59·0	59·0	58·42
58·2	58·2	58·0	58·0	58·2	58·3	58·6	58·9	59·1	59·3	59·2	59·2	58·66
57·3	57·5	57·7	58·0	58·7	59·0	59·6	60·2	60·8	61·0	61·5	61·5	58·93
60·0	60·0	60·7	61·3	62·2	62·7	63·4	63·7	64·0	64·2	64·4	64·4	61·56
62·8	62·8	63·2	63·4	63·7	64·2	64·3	64·7	65·0	65·2	65·4	65·3	64·01
62·7	62·8	62·8	63·2	63·0	63·8	64·0	64·5	64·8	65·0	65·0	65·0	—
62·8	63·2	63·6	64·0	64·6	65·4	66·0	67·0	67·6	68·2	68·6	69·0	64·88
68·8	68·8	69·0	69·3	69·5	69·8	70·2	70·8	70·8	70·8	70·9	70·4	69·49
64·5	64·3	64·3	64·3	64·2	64·4	64·8	65·0	65·0	65·3	65·0	65·0	65·99
62·8	63·7	63·8	63·8	63·8	63·7	63·9	64·0	64·2	64·3	64·0	64·0	63·81
64·2	64·8	65·2	65·7	66·0	66·0	66·5	67·0	67·0	67·2	67·2	—	64·98
66·2	66·3	66·4	66·8	66·8	67·0	67·4	67·2	67·7	68·0	68·0	68·0	66·83
64·0	63·9	63·8	63·9	64·2	64·0	64·4	64·8	64·8	64·4	64·4	64·2	65·23
61·2	61·4	61·4	62·0	62·2	63·0	63·2	64·0	64·0	64·0	64·2	64·2	62·70
61·5	61·7	61·8	62·0	62·3	62·5	62·7	63·0	63·3	63·4	63·5	63·6	62·78
63·5	63·8	64·2	—	—	—	—	—	—	—	—	—	—
61·17	62·92	61·45	61·63	61·83	62·08	62·40	62·67	62·88	63·07	63·15	62·95	62·24

VERTICAL FORCE.													
One Scale Division = '000039 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah° = '00021.													
Mean Göttingen Time. } 0h. 1h. 2h. 3h. 4h. 5h. 6h. 7h. 8h. 9h. 10h. 11h.													
1842. Dec. 31	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	30·6	32·4	—	—	—	—	—	—	—	—	—	
	2	19·0	32·2	29·3	33·8	33·2	30·9	20·7	34·7	39·5	39·9	41·6	40·1
	3	25·6	32·1	35·2	35·2	36·3	39·4	42·4	43·6	40·9	44·0	40·9	41·2
	4	21·7	24·1	27·6	22·7	29·7	30·9	33·1	34·4	33·5	32·9	34·8	34·1
	5	22·6	23·5	26·2	28·5	29·1	30·0	30·8	32·8	27·5	33·5	33·7	32·7
	6	24·4	27·5	29·6	31·2	32·3	34·1	36·1	38·8	39·5	40·0	38·4	38·9
	7	32·2	33·1	37·4	—	—	—	—	—	—	—	—	—
	8	—	—	—	45·8	44·6	46·2	50·0	49·1	51·0	51·5	48·8	48·4
	9	49·7	51·3	54·1	45·9	50·3	56·6	54·3	60·6	61·1	50·1	52·1	51·4
	10	32·4	36·6	35·8	35·2	40·2	41·8	38·4	40·7	46·4	45·2	42·9	42·4
	11	30·9	34·8	33·1	34·8	33·3	35·5	39·1	39·2	45·8	30·6	28·7	31·3
	12	35·2	35·4	35·8	33·1	38·0	40·6	40·5	41·8	41·2	40·6	39·3	40·8
	13	25·4	26·1	27·5	21·0	25·4	28·9	29·9	27·6	—	27·1	27·4	28·3
	14	33·2	34·5	36·3	—	—	—	—	—	—	—	—	—
	15	—	—	—	40·9	41·9	43·6	42·8	37·1	42·5	43·3	40·8	49·7
	16	47·2	45·5	47·9	44·8	—	50·4	41·0	41·4	43·1	45·3	46·3	53·6
	17	40·7	41·6	47·8	40·7	41·1	41·2	43·0	46·6	—	47·8	49·1	50·7
	18	44·5	41·7	41·8	33·3	39·5	48·1	47·2	47·6	48·6	48·3	49·0	48·3
	19	12·5	14·0	13·8	16·2	17·5	18·5	22·1	25·4	27·3	26·6	26·7	25·6
	20	15·9	12·7	24·8	26·2	31·2	34·7	35·5	36·5	40·6	40·2	37·2	35·4
	21	32·6	33·5	35·9	—	—	—	—	—	—	—	—	—
	22	—	—	—	—	39·0	45·8	47·5	50·4	54·0	56·2	52·0	54·5
	23	35·4	37·8	38·5	40·1	43·0	44·5	46·3	48·7	49·9	44·7	40·8	42·1
	24	10·1	13·4	15·0	15·5	—	—	22·8	23·5	25·7	24·4	24·5	28·3
	25	2·3	5·8	8·0	8·8	16·0	17·1	23·3	23·6	24·0	22·5	21·2	23·8
	26	21·7	25·0	25·5	24·2	27·5	30·5	32·8	35·7	38·6	36·6	32·9	27·2
	27	15·2	17·3	18·7	17·1	20·7	22·2	26·1	28·3	31·2	33·8	31·9	28·0
	28	26·4	31·7	31·8	—	—	—	—	—	—	—	—	—
	29	—	—	—	38·4	34·9	31·5	34·1	34·3	38·2	35·2	37·1	44·5
	30	38·5	37·4	37·3	38·3	43·8	46·7	48·3	49·6	49·1	51·4	53·1	55·5
	31	37·4	42·8	45·3	35·2	—	44·7	49·2	46·5	—	—	45·9	47·9
Hourly Means	28·27	30·51	32·31	30·85	33·93	36·92	37·39	38·89	40·43	39·49	38·87	40·12	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
1842. Dec. 31	°	°	°	°	°	°	°	°	°	°	°	°	
JANUARY.	1	62·0	61·0	—	—	—	—	—	—	—	—	—	
	2	65·2	64·8	64·6	64·0	63·6	63·0	63·0	62·2	62·2	61·8	61·6	61·4
	3	65·0	64·2	64·0	64·0	62·6	61·8	61·2	60·6	60·0	60·0	60·0	60·4
	4	67·0	66·6	66·0	66·0	65·2	64·6	64·2	63·6	63·0	62·8	62·4	62·6
	5	67·0	66·5	66·0	65·8	65·2	65·0	64·2	64·0	63·6	63·2	63·0	63·0
	6	66·0	65·4	65·0	64·8	63·8	63·2	62·4	62·0	61·0	61·5	61·0	61·2
	7	62·8	62·4	62·2	—	—	—	—	—	—	—	—	—
	8	—	—	—	59·2	59·0	59·0	58·5	58·2	58·0	57·5	57·2	57·2
	9	59·0	59·0	58·8	59·5	58·4	57·8	57·6	57·0	56·5	56·5	56·5	57·0
	10	62·2	62·0	62·0	62·2	61·4	60·5	60·4	59·8	59·5	59·5	59·5	60·2
	11	64·2	63·8	63·5	64·0	63·4	63·0	62·5	62·0	62·0	61·6	61·6	61·6
	12	63·5	63·2	63·0	63·4	62·8	62·0	61·8	61·5	61·2	61·2	61·5	61·5
	13	65·8	65·8	65·8	66·2	65·6	65·6	65·4	65·4	—	65·0	65·0	65·4
	14	63·5	62·8	62·8	—	—	—	—	—	—	—	—	—
	15	—	—	—	61·6	61·4	61·0	60·8	60·6	60·2	60·2	60·5	60·2
	16	60·4	60·2	60·2	60·8	—	59·5	59·4	59·4	59·0	58·8	59·0	58·8
	17	61·8	61·5	61·4	61·5	60·2	59·6	59·2	59·0	—	58·4	58·2	58·4
	18	61·4	61·0	61·0	61·4	60·6	60·0	59·5	59·2	58·8	58·8	59·0	60·0
	19	70·0	69·8	69·5	69·2	69·0	68·2	67·6	67·6	66·0	65·8	65·5	65·2
	20	67·0	66·0	65·5	65·2	63·4	62·6	61·6	60·4	59·6	59·6	59·6	59·5
	21	62·4	61·6	61·2	—	—	—	—	—	—	—	—	—
	22	—	—	—	—	57·0	56·5	56·2	55·8	55·5	55·0	55·0	55·6
	23	61·5	60·8	60·5	60·5	60·5	59·6	59·0	58·2	58·2	58·0	58·2	58·8
	24	69·0	68·4	68·0	68·0	—	—	66·0	66·6	65·5	65·2	65·2	65·5
	25	72·0	71·0	70·4	70·0	68·2	67·5	66·5	66·4	65·6	65·0	64·2	64·0
	26	65·5	65·0	64·6	64·6	63·6	63·2	62·8	62·4	62·0	62·2	63·2	62·8
	27	67·2	67·0	66·4	66·4	65·2	64·6	64·0	63·4	62·5	62·5	63·0	63·0
	28	64·0	63·6	63·2	—	—	—	—	—	—	—	—	—
	29	—	—	—	61·4	61·5	61·8	62·0	61·0	60·6	60·4	60·4	60·2
	30	60·8	60·4	60·0	60·8	59·4	58·6	58·0	57·5	57·0	57·0	56·5	56·5
	31	59·5	59·2	59·2	59·8	—	58·0	57·6	57·5	—	—	56·8	57·4
Hourly Means	64·29	63·82	63·65	63·65	62·69	61·91	61·64	61·24	60·79	60·73	60·57	60·73	

VERTICAL FORCE.												
One Scale Division = '000039 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.												
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.
39·6	40·4	38·9	34·6	22·5	18·8	18·5	22·2	20·2	32·8	30·0	26·4	31·49
50·2	48·5	40·0	33·8	29·6	28·6	26·9	28·4	25·2	25·1	23·5	22·2	30·40
44·9	53·2	51·3	41·6	36·7	28·0	23·0	20·1	21·2	20·4	18·4	19·3	34·79
33·9	30·9	37·0	33·6	32·2	27·4	23·2	21·5	15·6	17·3	18·3	22·9	28·05
34·9	38·7	41·5	40·5	35·3	34·0	26·7	27·4	24·8	24·1	22·9	21·1	30·12
39·7	40·6	41·3	42·6	39·8	38·4	34·6	30·2	26·9	28·0	29·9	29·5	34·68
—	—	—	—	—	—	—	—	—	—	—	—	—
54·2	52·0	60·2	59·6	55·8	46·7	40·9	41·8	38·6	42·4	48·6	54·0	47·20
49·1	49·1	47·5	46·9	49·6	47·5	46·4	40·9	34·5	38·4	37·0	35·1	48·31
45·6	40·8	37·0	38·6	34·9	32·9	29·4	28·7	23·6	29·8	29·5	22·4	36·30
33·8	35·6	40·8	43·6	36·0	28·4	27·1	26·2	28·1	29·5	34·2	34·0	33·93
42·8	45·6	47·8	48·0	45·9	41·4	37·2	31·6	27·0	28·9	24·2	24·3	37·79
31·0	32·7	34·6	30·0	24·6	20·7	21·7	24·4	27·0	28·8	29·8	30·4	27·40
—	—	—	—	—	—	—	—	—	—	—	—	—
39·4	42·5	48·2	48·2	48·6	48·2	47·3	48·2	48·1	47·8	45·6	45·2	43·50
50·5	51·0	50·6	50·3	42·1	44·5	41·8	36·6	31·2	33·2	36·3	38·2	44·03
47·7	51·3	46·6	48·0	45·0	39·7	37·9	43·7	—	37·8	36·5	38·0	43·75
48·8	43·6	40·0	38·0	32·4	29·4	25·0	22·2	19·9	15·1	17·8	11·4	36·73
25·4	24·9	26·0	21·4	12·9	—	6·8	9·2	8·1	6·6	9·1	11·1	17·73
39·5	42·6	43·5	42·4	42·8	42·3	38·4	33·4	25·8	25·1	29·4	30·6	33·61
—	—	—	—	—	—	—	—	—	—	—	—	—
51·5	50·1	51·4	52·9	50·6	50·6	44·3	35·2	35·6	33·2	35·3	35·2	44·67
47·4	46·3	35·3	34·2	37·5	29·9	22·3	13·5	8·6	5·9	7·7	6·1	33·60
22·9	20·7	22·4	21·1	15·8	10·3	59·9	0·9	2·8	-2·1	-1·4	-1·0	14·80
26·6	28·0	27·3	30·9	31·0	29·0	24·5	19·6	18·1	15·6	20·3	20·2	20·31
24·5	21·2	24·7	20·3	17·5	15·2	15·3	14·7	12·1	11·1	12·7	13·1	23·36
23·5	20·4	23·3	25·4	31·2	27·0	19·6	21·1	20·0	22·4	21·8	24·9	23·80
—	—	—	—	—	—	—	—	—	—	—	—	—
47·9	40·9	41·2	38·0	43·0	38·3	31·1	33·8	33·1	32·8	34·8	33·7	36·11
59·0	61·0	60·0	54·8	53·5	49·0	43·5	42·6	40·7	39·4	39·7	41·0	47·22
52·7	54·3	a—	64·8	58·9	52·4	45·8	40·0	37·8	40·3	43·0	45·0	46·49
41·00	41·00	40·71	40·15	37·25	34·56	29·97	28·08	25·18	26·29	27·22	27·20	34·41

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
63·0	63·6	65·0	65·4	66·0	66·5	66·5	66·5	66·5	66·0	65·8	65·4	64·06
62·0	62·5	63·5	64·0	65·0	65·5	66·2	66·0	66·2	66·2	66·0	65·6	64·00
61·0	61·4	62·0	63·5	64·4	65·6	66·2	66·8	67·4	67·6	67·5	67·6	63·53
62·8	63·8	65·0	65·6	66·0	66·8	67·5	67·0	67·5	67·8	67·5	67·4	65·36
63·0	63·5	63·8	64·0	64·5	65·2	65·6	66·4	66·4	66·6	66·5	66·5	64·94
61·2	62·0	62·2	63·0	63·4	63·6	64·0	64·0	64·0	63·8	63·5	63·0	63·13
—	—	—	—	—	—	—	—	—	—	—	—	—
56·5	57·5	57·2	57·2	57·5	58·0	57·2	59·0	59·0	59·0	59·0	59·0	58·64
57·0	58·0	58·4	59·8	60·0	60·4	61·0	61·8	62·0	62·5	62·4	62·4	59·14
60·8	61·4	62·2	62·8	63·5	64·0	64·0	64·5	64·8	64·5	64·6	64·5	62·12
62·0	63·2	63·2	64·0	64·5	65·0	65·2	65·5	65·0	64·8	64·4	64·0	63·50
61·0	61·2	61·8	62·0	62·5	63·0	63·4	64·0	64·8	65·4	65·8	66·0	62·81
65·6	65·8	67·6	66·8	66·6	66·5	66·5	66·2	66·0	65·5	64·8	64·0	65·78
—	—	—	—	—	—	—	—	—	—	—	—	—
60·2	61·0	60·4	60·6	60·4	60·6	60·6	60·6	60·8	60·8	61·0	60·6	60·97
58·8	59·4	59·8	60·2	60·8	61·5	62·0	62·5	62·5	62·6	62·5	62·2	60·44
58·5	59·0	59·8	60·2	60·6	61·0	61·6	62·0	—	62·0	62·0	61·2	60·32
60·2	61·0	62·0	63·0	64·5	65·8	66·5	67·6	68·4	69·0	69·6	70·0	62·85
65·2	65·8	67·0	68·4	69·5	—	70·0	70·0	69·8	69·8	69·5	67·5	68·15
59·5	59·8	60·2	61·0	61·5	62·0	63·0	63·0	63·5	63·4	63·2	62·6	62·20
—	—	—	—	—	—	—	—	—	—	—	—	—
56·0	57·0	58·0	58·6	59·5	60·5	61·2	62·0	62·0	62·2	62·0	61·8	58·81
59·8	60·8	62·8	63·0	64·0	65·2	66·6	67·5	68·5	69·0	69·0	69·0	62·46
65·8	66·0	67·0	68·6	70·2	71·8	72·2	72·4	72·6	73·0	73·0	72·5	68·75
63·6	63·8	64·4	64·8	65·2	66·5	66·8	67·2	66·5	66·5	66·4	65·8	66·60
64·0	65·5	65·5	66·5	67·8	68·0	68·4	68·8	68·8	68·8	68·5	68·0	65·44
63·4	64·5	65·4	66·0	65·6	65·6	65·6	65·4	65·0	65·0	65·0	64·8	64·85
—	—	—	—	—	—	—	—	—	—	—	—	—
60·2	60·6	60·6	61·4	61·6	62·2	62·5	62·6	62·4	62·4	61·5	61·2	61·64
56·4	56·5	56·8	57·0	57·8	58·4	59·0	59·6	59·8	59·8	60·0	59·8	58·06
57·8	58·5	—	60·6	62·0	62·8	63·5	64·5	64·6	64·5	64·5	64·2	60·59
60·94	61·60	62·36	62·26	63·51	63·92	64·55	64·94	65·18	65·13	65·02	64·69	62·94

* Magnet vibrating.

VERTICAL FORCE.												
One Scale Division = '000037 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.												
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	46·7	50·3	51·5	51·8	54·3	54·7	56·7	57·4	58·6	59·3	58·6	58·1
2	30·7	31·7	34·7	36·5	40·4	40·2	41·8	44·0	44·9	45·7	48·1	47·1
3	34·0	34·9	37·5	36·7	40·1	41·5	42·3	43·4	44·3	44·4	44·0	43·9
4	21·0	23·6	24·7	—	—	—	—	—	—	—	—	—
5	—	—	—	53·2	54·9	55·6	57·9	58·6	58·3	59·4	58·1	53·9
6	42·8	43·7	32·2	47·6	50·5	46·9	48·6	55·1	53·1	51·9	50·5	40·7
7	33·9	36·1	38·9	41·8	43·5	44·6	49·6	57·7	47·2	46·0	42·6	43·4
8	23·7	26·7	28·8	29·6	26·7	31·7	32·6	34·0	35·3	35·4	35·4	35·3
9	39·5	43·0	44·7	34·1	48·6	47·6	48·3	51·5	52·3	53·1	53·8	53·3
10	37·5	39·6	—	45·4	46·4	46·8	48·0	49·6	50·9	50·9	49·9	51·7
11	39·2	40·8	40·1	—	—	—	—	—	—	—	—	—
12	—	—	—	20·5	21·9	23·7	25·0	28·7	32·1	33·4	34·0	35·3
13	25·6	25·1	28·5	20·0	25·2	31·5	34·3	38·7	40·1	46·2	53·7	52·1
14	52·3	46·0	62·7	65·7	55·4	64·3	69·4	71·3	68·5	74·9	66·5	64·2
15	57·8	60·0	54·5	58·0	59·2	59·6	60·3	60·7	60·4	64·8	61·7	61·8
16	41·1	42·2	44·2	43·0	43·4	45·2	47·7	47·9	51·4	48·1	44·5	45·9
17	49·1	49·9	51·4	49·0	52·9	51·6	50·7	52·0	—	53·5	54·1	57·4
18	52·1	53·4	53·3	—	—	—	—	—	—	—	—	—
19	—	—	—	47·0	49·4	52·1	52·2	48·2	48·0	49·6	46·7	47·0
20	44·0	40·6	47·7	48·0	47·1	49·5	50·0	47·9	52·6	51·6	48·0	54·2
21	42·4	43·7	41·7	43·1	45·9	47·8	48·0	49·6	—	51·7	50·4	50·2
22	30·2	33·2	33·7	30·5	36·2	38·8	39·8	41·2	41·8	43·9	40·2	41·7
23	31·5	31·7	33·1	32·7	35·4	36·6	37·6	39·4	41·0	39·2	39·5	39·3
24	33·7	27·3	30·9	29·1	22·3	36·2	—	26·7	34·2	37·9	41·6	40·9
25	35·9	43·2	45·2	—	—	—	—	—	—	—	—	—
26	—	—	—	64·3	63·2	65·0	64·8	67·0	69·4	67·9	65·2	65·2
27	62·1	63·0	61·5	60·2	62·6	56·7	65·7	65·8	66·6	66·8	69·9	70·1
28	57·4	60·2	59·0	56·3	56·7	60·0	60·4	60·4	61·4	61·4	57·8	59·6
Hourly Means	40·17	41·24	42·63	43·50	45·09	47·38	49·20	49·87	50·56	51·54	50·62	50·51
TEMPERATURE OF VERTICAL FORCE MAGNET.												
	°	°	°	°	°	°	°	°	°	°	°	°
FEBRUARY. 1	64·0	63·2	62·2	63·4	62·0	61·6	61·0	60·5	60·2	59·8	59·6	59·8
2	68·8	68·4	68·0	68·0	66·8	66·2	65·6	65·0	64·0	63·8	63·5	63·5
3	67·6	67·2	67·4	67·6	66·2	65·6	65·4	65·2	65·0	64·6	64·8	65·0
4	71·0	70·8	71·2	—	—	—	—	—	—	—	—	—
5	—	—	—	62·2	62·0	61·6	61·2	61·0	60·8	60·8	60·5	60·5
6	65·4	65·0	65·0	65·0	64·2	63·5	63·0	62·8	62·4	62·0	62·0	61·6
7	67·0	66·2	66·0	66·2	65·4	65·0	64·0	63·5	63·0	63·5	62·8	63·0
8	70·5	70·0	69·8	69·7	69·2	69·0	68·6	68·0	67·6	66·5	66·8	66·8
9	65·4	65·0	65·0	65·0	64·0	63·4	63·0	63·0	62·4	62·0	62·0	62·2
10	66·0	65·5	—	65·0	64·8	64·5	64·0	63·8	63·6	63·2	63·0	62·8
11	66·0	66·0	65·6	—	—	—	—	—	—	—	—	—
12	—	—	—	72·0	71·2	70·0	69·8	69·6	68·8	68·0	68·0	68·4
13	71·0	70·2	69·8	69·0	68·2	67·6	66·6	65·6	64·6	63·6	63·0	62·6
14	61·4	60·5	59·5	60·0	58·4	58·0	57·6	57·0	56·5	56·5	56·5	57·0
15	60·4	60·0	60·0	60·2	60·0	59·0	58·6	58·5	58·0	58·0	58·0	58·6
16	65·0	64·5	64·2	64·5	64·0	63·8	63·2	63·0	62·8	62·8	62·4	62·4
17	62·5	62·2	62·0	62·4	61·6	61·2	60·8	60·5	—	60·2	59·8	59·8
18	61·8	61·6	61·4	—	—	—	—	—	—	—	—	—
19	—	—	—	63·2	63·2	63·0	62·5	62·0	62·2	62·0	61·8	62·0
20	65·3	65·0	64·5	64·5	63·8	63·2	63·0	62·8	62·5	62·5	62·2	62·2
21	65·0	64·6	64·6	65·0	64·0	64·0	63·8	63·5	—	63·0	63·2	63·2
22	69·0	68·5	68·2	68·5	67·6	67·4	66·4	66·0	65·2	64·8	65·0	64·8
23	68·8	68·4	68·0	68·0	67·6	67·2	66·8	66·5	66·0	65·5	65·5	65·6
24	71·6	70·0	69·8	69·8	69·6	68·5	—	69·5	67·2	67·2	67·4	67·5
25	66·5	65·4	65·0	—	—	—	—	—	—	—	—	—
26	—	—	—	59·0	58·6	58·4	58·0	57·4	56·8	56·5	56·5	57·0
27	58·4	58·2	58·0	59·0	58·0	57·8	57·6	57·0	57·0	56·8	56·8	56·8
28	60·4	60·2	60·0	60·6	60·0	59·8	59·6	59·4	59·2	58·8	59·6	59·6
Hourly Means	65·78	65·28	65·01	64·91	64·18	63·72	63·05	62·96	62·54	62·18	62·11	62·19

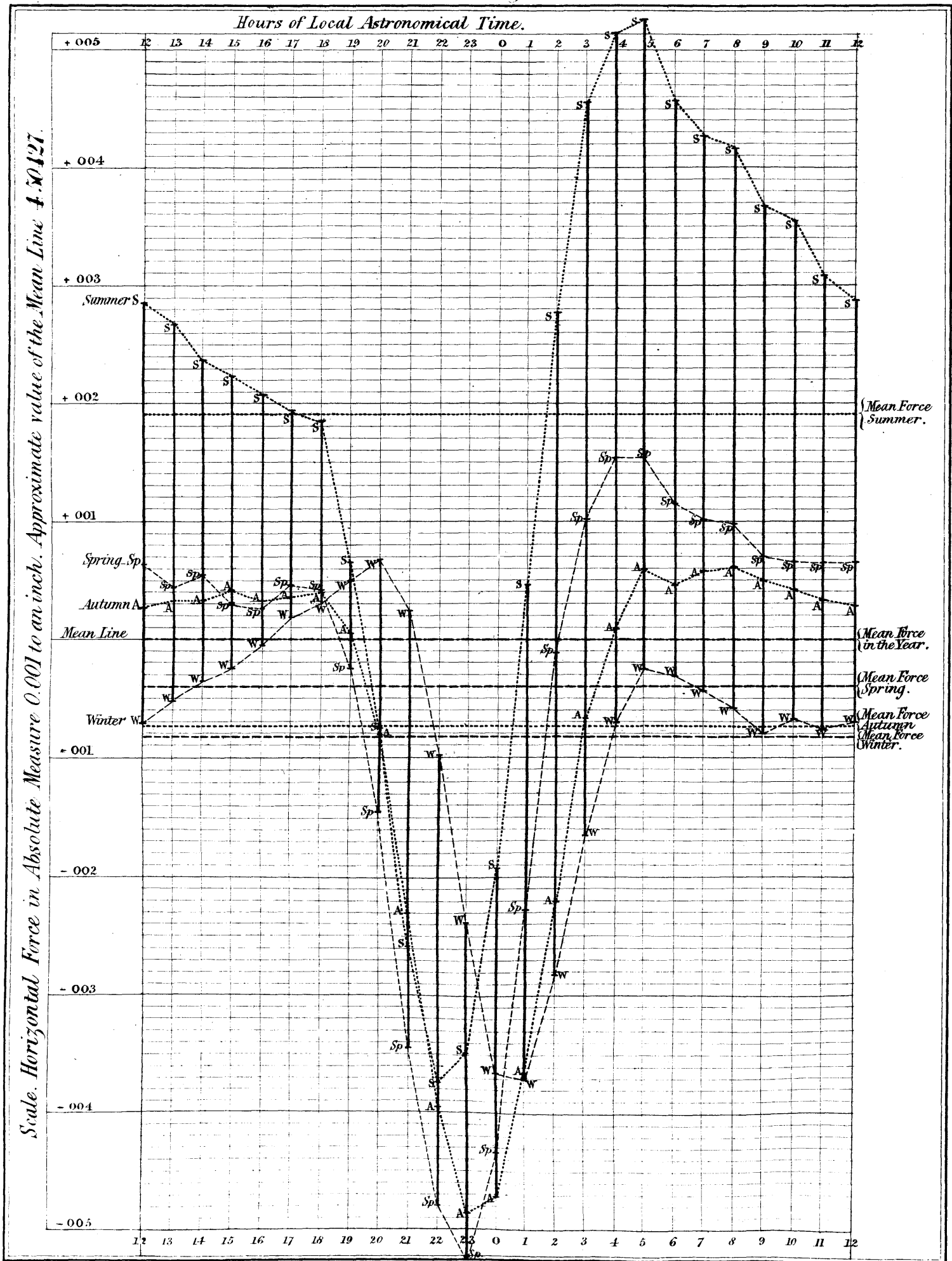
VERTICAL FORCE.												
One Scale Division = '000037 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.												
12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
59.5	54.6	52.0	47.2	42.1	38.1	34.0	29.2	26.7	25.8	26.7	29.4	46.80
55.0	53.3	51.6	46.0	41.1	36.9	35.5	32.3	28.4	28.0	29.2	31.4	39.79
42.3	39.1	35.0	30.1	25.0	22.8	21.6	20.0	19.9	19.5	19.2	19.4	33.37
—	—	—	—	—	—	—	—	—	—	—	—	—
56.2	57.0	58.0	53.7	52.6	50.4	44.9	41.2	41.2	39.5	41.6	41.7	48.22
41.6	47.8	49.0	53.1	46.1	40.4	37.0	29.3	30.7	31.4	32.2	35.6	43.24
39.4	41.4	41.4	37.2	35.7	33.4	31.5	26.7	21.7	21.7	21.9	22.0	37.47
35.9	31.8	33.3	29.7	36.6	28.8	29.2	33.6	33.8	35.7	37.8	39.3	32.53
49.6	44.4	39.6	34.4	34.1	36.0	38.9	39.8	38.8	32.5	36.1	37.1	42.96
54.6	54.8	56.8	53.7	48.6	—	41.7	40.7	35.2	34.7	35.2	36.3	45.86
—	—	—	—	—	—	—	—	—	—	—	—	—
37.3	36.2	32.7	34.1	31.6	24.3	18.8	16.7	15.1	18.6	21.4	22.1	28.48
53.2	63.1	57.7	54.0	55.0	57.5	58.6	59.4	63.3	57.2	52.3	51.9	46.01
64.0	72.2	71.9	72.8	68.7	61.8	57.2	58.5	50.5	51.5	54.4	56.7	62.56
62.1	61.7	60.2	50.7	46.7	44.8	43.4	40.1	38.9	36.7	36.4	39.1	53.32
47.6	54.2	57.1	56.5	52.5	50.8	47.9	41.3	42.5	50.4	50.1	49.1	47.69
60.0	61.7	64.9	68.0	63.3	55.9	49.2	45.1	47.2	50.5	52.2	51.6	53.97
—	—	—	—	—	—	—	—	—	—	—	—	—
49.4	53.0	52.4	53.0	46.3	42.0	40.1	37.8	34.7	36.0	37.0	38.6	46.64
58.5	69.0	55.1	49.7	51.0	52.3	50.9	48.2	44.3	41.8	38.8	41.6	49.27
48.9	47.7	47.1	42.8	38.9	35.0	30.7	28.2	25.3	25.3	25.6	23.4	40.80
43.9	43.8	46.3	40.0	35.1	32.8	29.8	29.3	28.7	28.4	29.5	30.7	36.23
39.1	40.1	41.6	38.4	31.5	29.4	22.4	17.9	19.2	23.2	27.7	37.6	33.53
43.9	44.7	42.7	36.8	40.4	45.5	40.9	33.6	35.1	35.9	37.5	38.0	36.34
—	—	—	—	—	—	—	—	—	—	—	—	—
67.2	70.6	70.0	67.8	65.3	63.6	62.3	61.6	59.6	59.7	59.6	62.0	61.90
70.6	70.4	72.2	70.3	65.3	60.0	54.9	50.0	50.8	56.1	56.2	57.2	63.08
59.3	60.7	59.3	55.8	49.1	40.3	39.5	36.8	31.5	31.1	33.4	35.7	51.80
—	—	—	—	—	—	—	—	—	—	—	—	—
51.63	53.05	52.00	48.99	45.94	42.73	40.04	37.39	35.96	36.30	37.17	38.85	45.08

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
60.0	61.6	62.5	63.5	65.2	66.4	67.8	68.2	68.5	69.0	69.0	69.0	63.66
63.4	64.0	—	66.0	66.6	67.4	67.8	68.0	68.2	68.4	68.2	68.0	66.42
65.6	66.6	67.6	68.6	69.8	71.0	71.5	71.8	71.8	71.5	71.5	71.4	67.93
—	—	—	—	—	—	—	—	—	—	—	—	—
60.8	61.2	62.0	63.0	63.6	64.4	65.4	65.8	66.1	66.0	66.0	65.6	63.90
61.8	62.6	63.4	64.6	65.2	66.5	67.0	67.8	67.2	67.5	67.5	67.2	64.59
64.6	65.0	65.2	66.2	68.0	69.0	69.0	70.0	71.0	71.0	71.0	71.0	66.53
67.0	68.0	68.4	68.5	68.8	68.8	68.6	68.2	67.6	67.0	66.4	65.7	68.15
62.8	63.8	65.0	66.0	67.0	67.5	67.6	68.0	67.5	67.5	67.0	66.6	64.95
63.0	62.6	62.2	63.2	63.5	—	65.0	66.0	66.2	66.6	61.4	66.8	64.44
—	—	—	—	—	—	—	—	—	—	—	—	—
68.6	69.4	70.2	70.6	71.5	72.2	72.2	72.5	72.5	72.5	72.0	71.5	69.96
62.5	63.0	63.2	63.4	63.0	63.4	63.2	63.2	63.0	62.6	62.0	61.6	64.83
57.4	57.8	58.0	58.8	59.4	59.8	60.2	60.4	60.6	60.8	60.8	60.6	58.90
59.4	60.2	61.8	62.6	63.6	64.0	64.5	65.2	65.5	65.2	65.0	65.0	61.30
62.5	62.8	63.0	63.5	64.0	64.0	64.0	64.0	63.8	63.5	63.2	63.0	63.50
60.0	60.0	60.0	60.6	61.2	61.5	61.8	62.2	62.2	62.2	62.0	62.0	61.25
—	—	—	—	—	—	—	—	—	—	—	—	—
62.0	63.5	64.0	66.0	65.8	66.4	66.5	66.8	66.4	66.2	66.0	65.8	63.84
62.0	61.8	62.0	62.2	62.4	62.8	63.4	64.0	64.5	64.8	65.0	65.0	63.39
64.0	64.6	65.6	66.0	67.6	69.0	69.5	70.4	70.2	70.0	70.0	69.6	66.10
65.0	66.0	66.8	67.5	68.0	69.0	69.5	69.4	69.5	69.2	69.2	68.5	67.46
65.8	67.0	68.2	68.6	69.2	70.0	71.0	71.6	72.0	71.8	71.0	71.0	68.38
67.6	67.6	67.6	67.5	67.4	67.0	67.2	67.2	67.2	67.0	66.6	66.5	68.20
—	—	—	—	—	—	—	—	—	—	—	—	—
57.0	57.4	58.0	58.4	58.8	59.0	59.0	59.0	59.0	59.0	59.0	58.8	59.06
57.0	57.6	58.0	58.6	58.0	59.5	60.0	60.4	61.0	61.0	61.0	60.6	58.50
60.4	61.4	62.5	63.5	64.2	65.4	66.4	67.2	67.5	67.5	67.2	67.0	62.39
—	—	—	—	—	—	—	—	—	—	—	—	—
62.51	63.15	63.70	64.48	65.08	65.73	66.17	66.55	66.63	66.58	66.38	66.16	64.49

VERTICAL FORCE.													
One Scale Division = '000040 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.													
Mean Götting- gen Time. }	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
MARCH.	1	Sc. Div. 37·7	Sc. Div. 39·3	Sc. Div. 40·5	Sc. Div. 40·1	Sc. Div. 41·8	Sc. Div. 42·5	Sc. Div. 46·7	Sc. Div. 48·1	Sc. Div. 48·4	Sc. Div. 51·3	Sc. Div. 47·4	
	2	46·7	47·0	46·3	45·0	47·3	51·2	52·7	53·5	56·2	56·4	57·9	57·4
	3	53·9	56·4	58·5	57·3	60·2	61·2	61·0	61·9	62·0	63·1	63·1	62·7
	4	45·1	45·9	47·4	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	55·4	56·8	58·3	59·2	59·1	57·8	55·6	51·6
	6	48·4	50·1	52·9	53·7	56·3	59·2	58·1	55·0	53·2	58·0	60·5	63·0
	7	46·9	28·5	40·8	40·1	40·1	30·7	23·2	25·1	32·1	44·7	—	48·3
	8	39·9	41·8	41·5	40·5	43·6	46·3	49·1	49·5	49·1	49·2	47·3	45·9
	9	36·4	38·5	40·6	40·6	43·6	44·1	44·9	41·2	—	47·6	42·4	48·1
	10	50·2	52·8	54·5	51·7	57·0	54·2	55·9	57·5	59·2	59·5	55·3	55·6
	11	60·1	60·7	65·4	—	—	—	—	—	—	—	—	—
	12	—	—	—	57·3	56·9	60·4	51·6	33·5	39·5	36·2	50·8	59·5
	13	58·4	61·2	67·7	60·6	69·1	65·5	68·8	72·1	—	73·2	75·1	76·5
	14	65·7	69·1	70·9	69·9	70·2	68·1	69·5	73·9	70·0	76·2	80·0	79·9
	15	62·5	63·3	64·1	63·5	65·5	65·2	66·9	68·0	70·2	72·6	66·7	74·0
	16	46·6	47·5	48·0	49·3	49·9	51·8	50·8	53·0	54·6	54·3	56·3	60·6
	17	36·4	38·0	40·2	39·0	39·5	39·4	38·3	35·0	35·8	41·8	39·6	41·6
	18	57·7	61·5	56·7	—	—	—	—	—	—	—	—	—
	19	—	—	—	63·6	63·2	63·5	63·0	62·6	59·8	60·8	62·4	67·4
	20	54·6	55·1	55·6	54·2	56·9	58·6	58·1	58·7	58·2	59·3	63·9	60·7
	21	47·1	48·4	50·9	51·1	51·6	52·3	54·2	54·5	54·6	62·8	54·6	—
	22	52·9	50·6	49·9	49·5	49·7	57·6	51·6	49·1	52·6	54·1	57·1	55·9
	23	17·3	24·9	28·6	17·2	24·2	27·1	26·3	23·7	20·7	24·9	30·4	36·1
	24	54·3	56·7	60·2	60·9	63·4	64·4	65·3	66·8	—	67·9	68·5	67·0
	25	58·0	57·6	58·5	—	—	—	—	—	—	—	—	—
	26	—	—	—	52·3	52·9	53·4	54·0	55·7	55·1	55·5	55·2	56·6
	27	53·5	55·4	58·5	60·6	61·6	64·1	63·7	65·1	67·4	68·4	68·1	67·7
	28	39·1	39·6	40·8	42·0	44·1	42·8	43·4	43·5	44·9	45·1	43·8	43·3
	29	18·1	25·7	12·3	17·5	37·0	34·2	35·1	40·7	38·5	38·1	47·3	37·4
	30	36·4	33·2	33·8	35·1	36·6	31·4	—	33·4	39·8	37·9	35·5	36·4
	31	48·2	50·6	51·1	51·3	52·8	53·1	55·2	56·0	55·6	56·4	56·6	53·8
Hourly Means	47·11	48·13	49·49	49·00	51·50	51·82	52·53	51·71	51·53	54·56	55·44	56·04	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
MARCH.	1	66·8	66·2	66·0	66·2	65·5	64·6	64·0	63·6	63·0	62·8	63·0	63·5
	2	65·0	64·6	64·6	64·6	63·0	62·4	61·8	61·0	60·0	60·0	59·6	59·8
	3	60·0	59·8	59·5	60·0	59·2	59·0	58·8	58·5	58·4	58·0	58·0	58·0
	4	63·8	63·8	63·0	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	60·8	60·6	60·5	60·0	59·4	59·0	59·0	59·0
	6	62·6	62·2	61·8	62·0	61·0	60·5	60·0	60·0	59·6	59·2	59·4	59·6
	7	66·2	66·0	66·0	65·5	64·6	64·0	63·6	63·6	62·5	62·2	—	62·0
	8	66·0	66·0	65·6	66·2	66·2	64·8	64·2	64·0	63·6	63·4	64·0	63·6
	9	66·8	66·5	66·0	66·0	65·0	65·0	64·2	64·0	—	63·2	62·6	62·0
	10	61·8	61·5	61·2	62·0	61·0	61·0	61·0	60·6	60·0	60·0	60·2	59·5
	11	58·4	58·0	57·6	—	—	—	—	—	—	—	—	—
	12	—	—	—	59·0	59·0	58·2	58·0	57·8	57·6	57·2	57·0	57·0
	13	57·6	57·2	57·0	58·8	56·4	55·6	55·0	54·8	—	54·2	53·8	54·2
	14	57·0	56·6	56·4	56·8	55·5	55·2	55·2	55·0	53·8	53·5	53·0	53·5
	15	58·0	58·2	58·0	58·0	57·8	57·0	57·2	56·6	56·0	55·6	55·5	55·6
	16	64·0	63·8	63·2	63·6	63·0	62·2	61·6	61·2	60·5	60·5	60·4	60·5
	17	66·8	66·6	66·4	66·4	66·0	66·0	65·8	65·5	65·0	65·2	65·2	64·8
	18	63·0	61·5	61·2	—	—	—	—	—	—	—	—	—
	19	—	—	—	59·2	59·2	59·0	58·8	59·0	58·5	58·5	58·0	58·5
	20	62·0	61·8	61·6	62·0	61·5	61·0	60·6	60·4	60·0	60·0	59·6	60·0
	21	62·0	62·0	63·0	63·0	62·2	62·0	62·0	61·4	61·3	61·5	61·0	—
	22	63·0	62·8	63·8	63·2	62·6	62·7	61·8	61·2	60·6	60·0	60·0	60·2
	23	70·6	70·6	70·4	70·0	70·5	69·6	69·6	69·6	69·8	69·0	68·0	66·6
	24	60·4	60·0	59·5	59·5	58·6	58·0	57·5	57·5	—	56·8	56·4	56·8
	25	59·4	59·6	59·6	—	—	—	—	—	—	—	—	—
	26	—	—	—	61·5	61·5	61·2	61·0	61·0	60·5	60·6	60·8	60·4
	27	60·6	60·0	59·5	59·2	58·2	57·8	57·0	56·6	56·2	56·0	56·0	56·4
	28	65·5	65·4	65·0	65·0	64·6	64·6	64·4	64·0	64·0	63·8	64·0	64·5
	29	71·6	70·6	70·0	70·0	68·8	68·0	67·5	67·0	66·0	66·4	65·8	65·4
	30	67·0	67·0	67·0	67·0	67·4	67·2	—	67·0	67·0	66·8	66·6	66·6
	31	62·6	62·0	62·0	62·4	61·6	61·0	60·6	60·4	60·0	59·8	59·8	60·5
Hourly Means	63·28	62·97	62·77	62·97	62·25	61·78	61·22	61·16	60·97	60·49	60·26	60·33	

Annual and Diurnal Variation of the Horizontal Force in the four Seasons of the Year.



VERTICAL FORCE.

One Scale Division = '000040 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fabt. = '00021.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 51.2	Sc. Div. 56.2	Sc. Div. 56.5	Sc. Div. 53.5	Sc. Div. 48.1	Sc. Div. 45.4	Sc. Div. 42.6	Sc. Div. 40.7	Sc. Div. 40.2	Sc. Div. 40.5	Sc. Div. 41.9	Sc. Div. 45.8	Sc. Div. 45.68
60.8	64.7	65.1	64.5	58.8	53.0	51.7	52.2	51.1	50.7	50.6	54.4	53.97
64.0	64.0	62.1	60.7	58.7	49.7	51.1	46.6	42.9	41.6	41.6	41.2	56.06
—	—	—	—	—	—	—	—	—	—	—	—	53.81
52.5	52.6	57.8	58.8	54.1	53.1	52.8	54.6	56.2	56.7	49.3	46.9	51.08
51.9	55.9	59.9	51.3	45.8	46.8	39.9	39.6	49.2	45.2	42.8	29.3	37.84
51.0	48.3	49.2	40.7	37.9	34.1	31.3	33.1	35.1	35.1	35.4	38.6	42.67
46.6	47.5	43.9	45.9	—	40.6	37.0	34.2	33.7	34.1	35.6	38.7	46.22
49.4	48.2	53.1	54.1	53.8	50.0	45.0	45.7	47.2	48.7	49.4	50.4	56.40
60.2	61.4	60.5	59.7	61.0	56.1	53.6	54.3	55.0	56.7	55.2	—	58.78
—	—	—	—	—	—	—	—	—	—	—	—	70.51
60.2	76.4	70.1	65.1	64.5	53.9	57.5	63.4	65.0	68.8	70.0	63.9	69.43
77.8	76.2	77.7	83.1	81.5	75.6	67.0	69.6	70.2	65.5	62.8	66.6	59.40
79.4	76.4	72.4	69.5	67.7	63.2	60.3	62.4	64.5	62.2	62.4	62.6	46.56
67.8	66.0	62.0	56.6	50.1	46.8	46.1	45.2	47.7	44.5	44.8	45.6	46.56
60.3	54.5	49.4	46.9	40.2	36.6	35.5	34.8	34.7	33.8	33.5	34.5	43.46
44.0	53.3	59.7	49.6	42.7	42.3	45.6	46.5	48.1	48.1	47.5	51.1	59.57
—	—	—	—	—	—	—	—	—	—	—	—	54.69
65.2	64.7	62.4	62.1	60.9	57.9	54.6	53.0	50.1	51.0	51.2	54.3	52.05
60.8	68.9	60.0	56.6	49.9	46.9	47.2	46.6	46.6	44.6	44.6	46.0	44.95
58.4	59.1	59.1	55.2	55.0	51.0	50.0	48.1	44.9	44.3	43.6	46.4	35.82
56.1	56.3	59.0	49.0	40.2	35.2	32.2	31.1	27.4	22.9	23.3	15.4	63.71
42.8	46.6	46.8	45.8	47.1	47.0	43.7	44.9	46.4	47.5	49.6	50.0	53.23
68.1	70.7	72.1	71.8	69.6	66.3	64.3	61.2	58.3	54.9	56.1	56.6	54.91
—	—	—	—	—	—	—	—	—	—	—	—	31.92
57.6	54.3	50.8	50.4	53.2	47.1	48.4	49.9	49.9	49.2	50.0	52.0	32.30
64.5	61.1	57.4	54.8	48.8	46.0	43.8	40.8	37.9	35.8	36.6	36.2	36.68
43.5	39.3	29.1	19.7	16.0	15.9	15.9	15.9	12.8	12.8	16.1	16.8	49.41
34.2	34.0	34.9	31.5	30.5	29.0	30.1	32.3	30.6	31.6	35.9	38.7	—
33.9	29.7	30.5	34.3	37.9	38.5	39.6	39.9	40.4	41.6	42.9	45.0	—
57.5	54.7	50.0	48.1	46.9	42.7	40.6	39.5	39.3	39.5	42.1	44.2	—
56.29	57.07	55.98	53.31	50.80	47.06	45.46	45.41	45.38	44.74	44.99	45.05	50.40

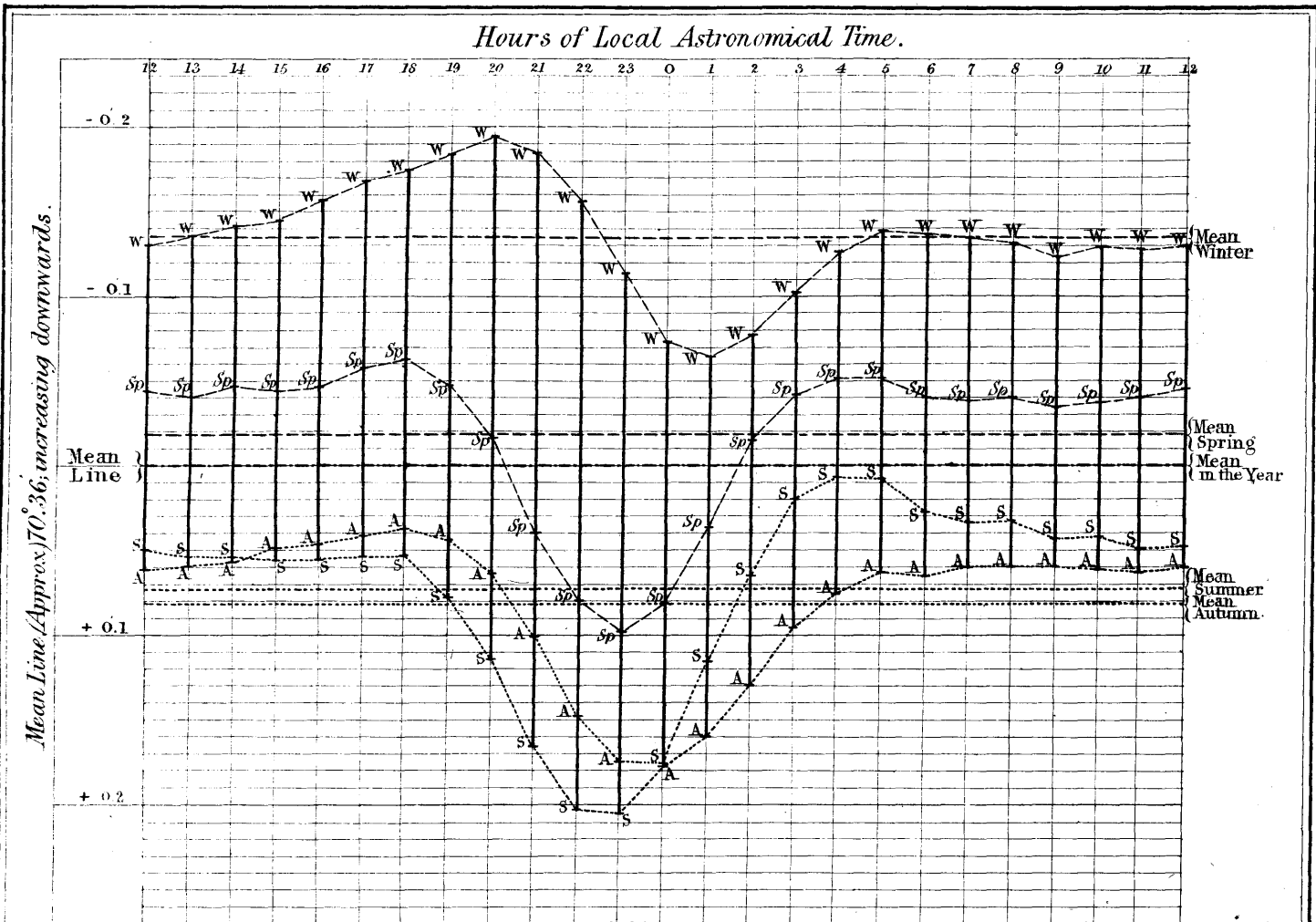
TEMPERATURE OF THE VERTICAL FORCE MAGNET.

63.2	63.2	63.8	63.8	64.0	64.2	64.6	65.0	65.2	65.2	65.0	65.0	64.48
60.0	60.2	60.6	61.0	61.5	62.0	62.0	61.6	61.8	61.6	61.0	60.6	61.68
58.5	58.8	59.8	60.8	61.6	62.4	63.0	63.5	63.8	64.0	63.5	64.0	61.33
—	—	—	—	—	—	—	—	—	—	—	—	61.69
59.6	60.6	61.0	61.6	62.4	63.0	63.5	64.0	64.0	63.6	63.6	63.0	63.13
60.8	62.0	63.2	64.5	66.0	67.0	67.6	67.8	67.5	67.2	67.0	66.5	64.77
62.0	63.0	64.0	64.8	65.2	65.6	66.2	66.6	66.6	66.8	66.4	66.2	65.37
63.6	64.0	65.0	65.2	—	66.2	66.0	66.8	67.5	67.5	67.0	67.0	63.82
62.5	63.0	63.2	63.2	63.4	63.4	63.5	63.5	63.4	63.0	62.4	62.0	60.64
60.2	59.6	60.2	60.5	60.6	61.6	61.0	61.0	60.6	60.0	59.6	—	58.24
—	—	—	—	—	—	—	—	—	—	—	—	56.26
57.4	57.5	58.0	58.8	59.0	59.0	59.0	59.0	59.0	58.8	59.5	58.0	56.19
54.6	55.0	55.5	56.0	56.2	56.8	57.2	57.4	57.8	57.8	57.8	57.2	59.14
53.8	54.6	55.0	56.0	57.0	57.6	59.0	58.5	59.0	59.0	58.8	58.8	63.46
56.4	57.5	58.6	59.5	60.4	61.8	62.5	63.2	64.0	64.0	64.0	64.0	64.71
60.5	61.5	62.2	63.6	64.6	65.6	66.2	66.6	66.8	67.0	67.0	67.0	60.43
64.6	65.2	64.0	63.8	64.0	64.0	63.5	63.5	63.0	63.0	62.6	62.2	61.62
—	—	—	—	—	—	—	—	—	—	—	—	62.02
58.4	59.0	60.0	60.6	61.6	60.2	62.6	62.6	63.0	63.0	62.6	62.2	63.54
60.0	60.2	60.5	61.2	62.2	62.8	63.2	63.6	63.8	63.8	63.6	63.4	66.96
60.4	60.4	60.8	61.0	61.4	62.2	62.6	63.0	63.2	63.4	63.4	63.2	58.48
60.6	61.6	62.2	63.4	64.0	68.0	67.0	67.0	67.8	70.0	70.2	71.4	61.19
66.0	65.4	65.0	65.0	65.2	65.2	65.2	64.4	63.8	63.2	62.6	61.8	60.69
57.0	57.2	57.5	58.0	58.4	59.0	59.0	59.4	59.6	59.6	59.8	59.6	67.29
—	—	—	—	—	—	—	—	—	—	—	—	67.68
60.4	61.2	61.6	61.6	62.2	62.5	62.6	62.8	62.0	62.0	61.6	61.0	66.59
57.6	58.8	60.0	61.2	62.2	63.2	64.0	64.8	65.2	65.5	65.0	65.5	62.55
64.4	65.5	67.0	69.0	70.2	71.0	71.8	72.2	72.5	72.5	72.2	72.0	—
65.6	66.0	66.8	67.2	67.5	67.8	67.8	68.2	68.0	67.8	67.4	67.0	—
67.2	68.2	68.8	68.0	67.2	67.0	66.2	66.0	65.0	64.5	64.0	63.0	—
61.4	62.2	63.8	64.0	64.6	65.0	65.0	65.0	65.0	64.6	64.2	63.8	—
60.62	61.16	61.78	62.34	62.79	63.48	63.77	63.96	64.03	64.01	63.77	63.67	62.33

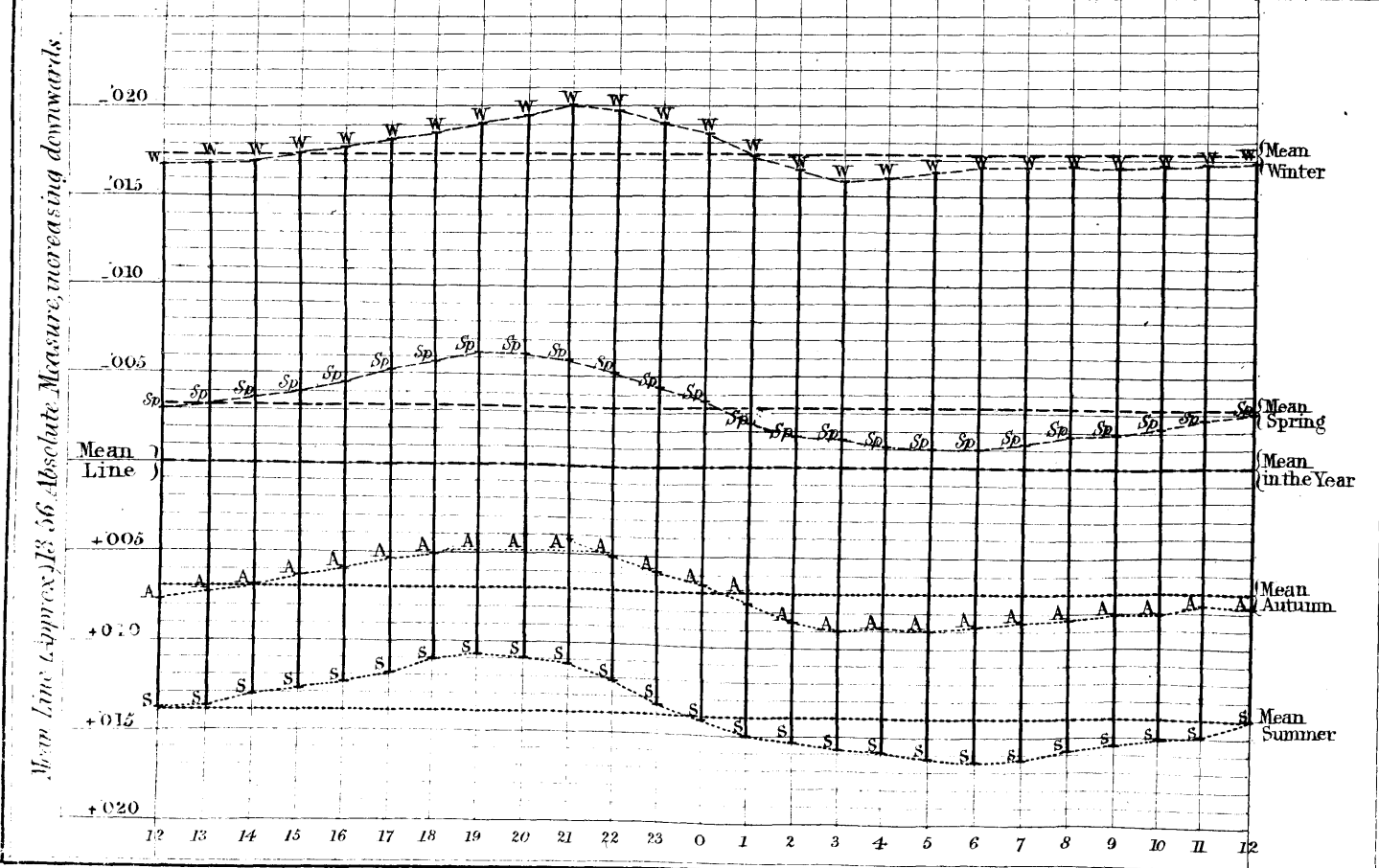
VERTICAL FORCE.												
One Scale Division = '000040 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.												
Mean Göttingen Time. } APRIL.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
1	46·8	49·5	50·6	—	—	—	—	—	—	—	—	—
2	—	—	—	—	74·2	75·5	75·4	74·7	—	—	76·0	75·5
3	62·6	66·5	65·5	68·4	68·8	68·0	68·7	70·8	—	73·6	69·7	69·0
4	55·8	54·4	59·9	60·8	62·1	65·1	66·6	67·1	67·3	67·9	67·7	68·9
5	58·7	61·8	68·1	48·4	61·9	73·3	29·5	28·1	24·8	56·2	56·7	63·9
6	50·9	60·9	28·2	48·4	56·7	60·2	60·9	50·6	—	67·2	83·9	74·8
7	49·4	57·8	60·0	58·2	66·9	71·2	58·9	60·3	63·2	75·6	61·3	64·6
8	41·2	49·0	43·6	—	—	—	—	—	—	—	—	—
9	—	—	—	—	27·9	34·7	38·9	38·3	40·8	32·5	34·4	34·1
10	42·4	41·4	43·5	40·9	46·5	47·9	50·2	51·2	52·1	53·0	54·9	54·3
11	68·4	67·8	70·0	68·3	71·0	72·7	73·5	73·5	76·8	72·1	72·3	70·6
12	65·5	65·5	67·0	66·9	67·7	65·9	71·9	56·9	62·0	74·4	66·7	64·8
13	37·8	43·9	45·6	43·8	49·9	36·7	47·2	48·9	49·0	50·4	53·2	56·3
14	68·4	a—	73·5	65·2	—	64·0	62·4	68·6	75·6	71·1	76·4	73·7
15	79·6	79·4	79·4	—	—	—	—	—	—	—	—	—
16	—	—	—	—	84·3	84·9	85·2	80·4	79·7	79·7	76·8	77·9
17	73·3	72·6	72·5	70·5	72·6	72·8	70·7	73·2	73·4	72·9	71·6	70·6
18	59·7	62·4	66·2	63·1	64·3	66·1	66·2	69·7	60·0	65·2	68·5	66·5
19	62·5	57·9	62·4	59·8	66·6	66·4	67·8	65·9	66·6	67·4	64·7	62·1
20	48·2	49·7	48·4	47·7	49·0	50·1	49·6	49·7	49·6	49·4	49·5	—
21	65·9	69·2	71·3	70·1	65·7	71·0	75·6	77·4	76·5	77·9	79·4	80·2
22	77·5	79·7	80·9	—	—	—	—	—	—	—	—	—
23	—	—	—	86·2	86·2	85·4	85·4	85·7	85·8	85·3	89·5	88·3
24	85·0	86·2	87·5	87·8	90·3	91·6	91·6	91·1	91·1	91·2	91·8	93·5
25	87·2	89·4	89·2	85·2	88·6	89·2	89·7	88·7	88·7	88·1	87·5	86·3
26	76·5	77·2	77·5	77·3	80·1	80·1	81·4	80·0	81·3	81·6	81·7	80·9
27	80·0	80·5	80·8	82·4	—	82·3	83·1	83·7	82·5	83·0	83·2	82·0
28	80·4	82·5	83·3	80·2	85·1	86·3	87·8	87·9	87·9	88·0	88·2	87·4
29	67·1	69·7	—	—	—	—	—	—	—	—	—	—
30	—	—	—	59·5	65·0	67·9	68·6	70·2	70·7	69·7	70·3	69·0
Hourly Means	63·63	65·62	65·62	65·41	67·45	69·17	68·27	67·70	68·42	70·56	71·04	71·47
TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
APRIL.	°	°	°	°	°	°	°	°	°	°	°	°
1	63·2	62·6	62·4	—	—	—	—	—	—	—	—	—
2	—	—	—	—	54·0	53·4	53·0	53·2	—	—	52·8	52·8
3	56·6	56·6	56·2	56·8	56·0	55·8	55·4	55·0	—	54·0	54·5	54·8
4	58·5	58·2	58·0	58·5	57·8	56·8	56·2	56·0	55·0	55·0	54·8	55·0
5	57·2	57·0	56·6	57·6	58·0	57·5	57·0	56·8	56·8	56·5	55·8	56·0
6	59·8	59·5	59·0	59·0	58·8	57·8	57·4	56·5	—	54·6	54·0	54·0
7	59·0	58·6	58·4	59·2	57·8	57·0	56·8	56·5	56·0	55·5	55·6	55·6
8	63·5	63·2	63·2	—	—	—	—	—	—	—	—	—
9	—	—	—	—	67·2	67·2	67·0	66·6	66·5	66·2	66·8	67·2
10	66·2	65·8	65·6	66·2	64·8	64·0	63·6	63·5	62·6	62·0	61·8	62·0
11	57·6	57·5	57·0	57·5	56·4	56·0	55·5	55·0	54·6	54·6	54·0	54·5
12	57·6	57·4	57·4	57·5	57·0	56·8	56·0	56·0	56·8	56·5	55·5	55·8
13	65·0	65·0	65·0	65·6	65·2	64·5	64·5	64·2	63·8	63·5	63·2	62·8
14	57·2	57·0	56·6	57·0	—	56·0	55·8	56·0	55·6	55·2	54·8	54·6
15	54·4	54·0	53·0	—	—	—	—	—	—	—	—	—
16	—	—	—	—	52·2	52·0	52·0	52·0	52·0	52·0	52·2	52·5
17	54·8	54·6	55·0	56·2	55·6	55·5	55·4	55·4	55·0	55·5	55·5	55·5
18	58·8	58·5	58·5	59·0	58·6	58·2	58·0	58·0	57·5	57·5	57·5	57·5
19	59·0	58·6	58·9	59·6	58·2	57·5	57·5	57·4	57·0	56·6	57·4	58·0
20	63·2	63·2	63·2	63·2	63·0	63·6	63·8	63·2	62·8	62·6	62·5	—
21	57·5	57·0	56·6	56·4	55·4	54·8	54·2	53·6	53·4	52·5	52·0	51·2
22	53·0	52·6	52·2	—	—	—	—	—	—	—	—	—
23	—	—	—	50·5	50·2	50·0	49·8	49·8	49·6	49·4	49·2	49·0
24	49·5	49·2	49·0	48·8	48·6	48·6	48·4	48·0	47·6	47·5	47·5	47·2
25	49·0	48·8	48·8	49·6	48·8	48·5	48·5	48·5	48·0	48·4	48·5	49·0
26	52·6	52·5	52·5	52·5	52·6	52·0	51·5	51·5	51·2	50·8	51·0	50·6
27	51·6	51·6	51·5	51·4	—	51·0	50·6	50·6	50·4	50·4	50·5	50·0
28	51·0	50·8	50·4	51·6	50·4	49·8	49·5	49·0	48·8	48·5	48·2	48·4
29	56·0	56·0	—	—	—	—	—	—	—	—	—	—
30	—	—	—	58·0	57·4	56·8	56·2	55·6	54·8	54·8	54·5	54·5
Hourly Means	57·27	57·03	56·88	56·89	56·69	56·04	55·74	55·52	55·26	55·00	54·80	54·52

^a Magnet vibrating.

Annual and Diurnal Variations of the Inclination at the different observation hours in the four Seasons.



Annual and Diurnal Variation of the Total Force at the different observation hours in the four Seasons.



VERTICAL FORCE.

One Scale Division = '000040 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.

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.
77.8	78.5	81.4	80.1	73.6	68.5	65.6	62.9	62.4	61.0	60.7	63.5	68.30
68.4	69.5	69.8	64.8	63.3	61.7	58.6	55.6	53.6	53.5	53.0	54.8	64.27
66.7	64.1	63.4	61.9	60.5	61.1	58.8	57.2	56.6	57.4	56.3	59.4	61.96
63.3	63.1	73.8	62.7	58.4	61.5	60.9	68.7	78.5	79.4	73.9	73.8	60.39
72.8	63.3	73.7	75.4	65.2	64.6	56.8	59.8	58.6	58.8	57.9	58.6	61.23
68.2	68.5	59.3	63.4	66.6	50.3	46.6	55.2	43.6	50.3	46.0	30.9	58.18
36.0	37.3	37.5	41.6	40.9	32.8	37.2	42.7	40.7	33.8	43.5	40.6	38.26
56.7	60.0	63.4	64.3	64.8	64.7	64.6	62.5	61.9	67.1	67.0	60.4	55.65
72.2	69.2	69.4	72.7	70.8	67.9	66.8	66.3	64.3	63.8	64.7	64.7	69.58
69.5	76.0	73.1	70.5	66.1	64.0	56.1	47.1	47.4	46.1	41.8	44.3	62.38
57.5	58.3	57.5	56.3	58.5	66.5	72.7	90.1	69.4	63.7	64.8	67.0	56.04
76.8	75.4	74.0	74.7	73.5	76.0	82.8	81.1	74.4	75.4	71.7	78.0	73.30
80.5	82.5	82.7	83.4	84.6	82.8	79.0	81.0	81.0	72.5	71.3	72.2	80.03
69.1	68.0	68.4	63.2	62.7	64.2	68.2	62.8	61.3	63.5	63.2	58.0	68.30
68.0	67.4	68.7	68.7	63.8	61.6	62.5	60.1	61.2	62.1	59.3	61.3	64.27
62.0	62.3	61.4	63.9	64.3	62.3	61.9	55.9	48.7	47.2	45.4	46.9	60.51
57.4	56.9	55.8	60.2	63.0	64.4	64.4	63.9	62.1	61.6	61.6	62.7	55.43
79.3	79.3	79.1	79.1	79.9	79.5	78.1	76.8	75.2	74.8	74.8	75.2	75.47
89.3	90.8	88.2	89.7	86.0	86.5	86.5	83.3	86.0	84.7	84.2	85.0	85.67
93.1	93.5	93.5	93.2	94.1	93.7	92.6	88.9	87.8	86.4	86.1	86.9	90.35
84.8	83.2	82.7	81.9	83.2	83.7	83.4	78.4	76.9	75.3	74.4	74.3	84.17
84.3	81.8	78.7	81.3	82.4	82.5	82.4	77.8	78.3	77.2	77.2	79.5	79.96
82.7	84.7	84.7	86.0	85.8	84.8	82.9	80.6	80.7	80.6	80.5	80.5	82.52
84.7	82.4	80.6	77.9	76.7	75.9	72.1	69.1	64.4	63.6	64.2	65.7	79.26
66.4	62.2	60.4	62.8	62.5	60.4	58.3	53.6	50.0	50.2	51.0	54.1	62.59
71.50	71.13	71.25	71.19	70.05	68.88	67.99	67.26	65.00	64.40	63.78	63.93	67.96

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
53.0	53.8	54.2	55.2	55.5	55.8	56.0	56.4	56.6	57.0	57.0	57.0	55.95
55.0	56.0	56.6	57.4	58.0	58.6	59.0	59.0	59.6	59.5	59.0	59.0	56.89
56.0	56.6	57.5	58.0	59.0	59.0	59.2	59.4	59.0	58.8	58.0	57.5	57.41
56.2	57.5	57.8	58.0	58.5	58.8	59.0	59.5	59.6	59.6	59.4	59.5	57.76
54.8	55.5	56.4	57.2	58.2	59.0	59.4	59.8	59.8	59.8	59.6	59.4	57.80
56.2	56.8	58.0	59.2	60.6	62.4	62.8	63.8	64.0	64.4	64.4	64.0	59.27
67.4	67.5	68.5	68.5	68.6	68.8	68.6	68.6	68.0	67.2	67.2	66.8	66.97
61.2	60.6	60.4	60.2	60.0	60.0	60.0	59.8	59.5	59.2	58.8	58.2	61.92
54.8	55.2	56.5	57.2	57.2	57.4	57.7	58.0	58.0	58.4	58.2	58.2	56.54
56.0	56.0	57.0	57.5	58.6	60.0	61.5	62.6	63.8	64.5	65.0	65.0	58.66
62.0	61.6	61.0	60.8	60.4	60.2	59.8	59.4	58.8	58.5	58.0	57.2	62.08
54.5	55.2	55.0	55.4	55.5	55.8	55.8	56.0	56.0	55.8	55.4	55.0	55.70
52.6	52.4	52.6	52.8	53.0	53.5	53.8	54.5	54.6	54.8	54.6	55.0	53.15
56.0	57.8	58.2	58.5	58.6	59.0	59.0	59.0	59.0	59.0	58.8	58.6	56.89
57.2	57.5	57.5	58.0	58.8	59.0	59.0	59.4	59.6	59.5	59.2	59.2	58.39
58.2	57.8	59.0	59.0	59.5	60.4	61.4	62.0	62.8	63.0	63.2	63.2	59.38
60.8	60.8	60.6	60.6	60.4	60.8	60.2	59.6	59.2	58.8	58.5	58.0	61.42
52.2	52.5	53.5	54.4	54.4	54.5	54.5	54.4	54.3	54.0	53.8	53.5	54.19
49.0	49.5	50.2	50.4	50.4	50.4	50.4	50.4	50.2	50.0	50.0	49.5	50.24
47.5	47.6	47.6	48.0	48.4	48.4	48.5	48.8	48.8	48.8	49.0	49.0	48.34
49.2	50.2	50.6	51.0	51.4	51.6	52.4	52.8	52.5	52.8	52.8	52.8	50.19
50.6	50.5	51.4	51.5	51.4	51.6	51.6	51.8	51.8	52.0	52.0	51.8	51.64
49.8	49.8	50.0	50.3	50.6	51.0	51.4	51.6	51.6	51.6	51.6	51.4	50.88
49.0	50.0	51.2	52.0	53.0	54.0	55.0	55.8	56.0	56.2	56.2	56.0	51.70
55.2	55.8	57.0	57.4	58.2	59.0	59.6	60.0	60.4	60.4	60.4	60.2	57.31
54.98	55.38	55.93	56.34	50.73	57.16	57.42	57.69	57.74	57.74	57.60	57.40	56.42

VERTICAL FORCE.												
One Scale Division = '000042 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.												
Mean Göttingen Time. } MAY.	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	54.9	56.4	59.0	51.0	59.6	62.5	63.1	62.6	64.6	63.6	63.2	65.3
2	47.4	48.3	49.6	46.4	48.0	49.0	50.0	51.8	54.2	54.2	55.1	53.6
3	51.1	54.9	59.8	57.1	59.0	60.0	60.3	60.5	60.2	60.7	61.1	59.3
4	40.2	44.2	45.7	42.0	49.4	50.6	52.3	51.8	52.0	53.7	55.0	56.2
5	52.7	54.7	58.0	59.5	62.4	63.2	—	65.8	66.5	67.8	67.9	67.5
6	70.8	70.8	69.5	—	—	—	—	—	—	—	—	—
7	—	—	—	86.2	89.5	88.4	89.5	88.6	85.0	86.0	85.9	86.8
8	83.6	87.7	86.5	85.5	85.9	86.3	86.6	88.6	87.9	87.8	86.8	85.8
9	73.6	78.1	82.3	77.3	82.2	82.1	83.2	84.1	84.1	84.1	87.3	82.2
10	79.2	83.1	82.4	72.0	78.3	85.9	89.8	88.3	—	88.2	88.0	85.5
11	79.5	74.5	80.4	79.9	80.6	81.5	82.0	82.5	82.3	82.4	81.0	79.0
12	68.3	75.5	76.2	77.0	75.5	76.6	77.1	78.5	—	80.2	80.0	79.9
13	79.8	81.4	82.4	—	—	—	—	—	—	—	—	—
14	—	—	—	80.2	80.2	80.5	80.7	78.5	81.0	82.4	84.0	84.5
15	74.0	76.9	76.3	74.8	77.3	77.0	79.8	75.3	86.5	84.2	73.3	76.5
16	69.3	78.9	80.1	67.7	77.2	78.4	78.8	77.4	77.4	77.7	77.8	71.1
17	71.1	—	70.5	73.9	66.3	69.7	69.7	73.9	74.2	74.5	73.9	72.8
18	65.0	66.2	69.0	70.1	70.9	72.6	74.0	75.2	76.2	75.7	75.7	76.8
19	76.0	78.4	78.5	78.3	79.8	81.3	81.7	82.1	81.9	82.6	81.7	81.0
20	86.1	86.7	85.2	—	—	—	—	—	—	—	—	—
21	—	—	—	86.4	86.7	87.2	87.5	88.1	86.5	84.6	86.9	85.3
22	83.3	84.1	83.5	79.9	83.8	83.7	85.1	—	—	85.1	85.6	84.9
23	82.8	83.3	83.1	82.5	83.9	84.2	—	83.3	83.8	83.7	83.4	82.2
24	74.8	76.9	76.8	69.7	75.0	77.1	78.4	78.0	77.5	78.1	78.1	77.3
25 ^a	70.7	71.0	71.2	70.3	72.7	72.7	72.7	72.9	72.8	73.3	73.3	73.1
26	67.1	69.7	71.5	72.6	75.4	76.3	78.3	80.1	80.1	80.1	85.9	63.5
27 ^b	68.5	69.8	70.3	—	—	—	—	—	—	—	—	—
28 ^b	—	—	—	78.4	78.4	78.8	79.0	79.2	82.7	81.8	81.8	82.0
29 ^b	71.5	72.4	71.0	68.7	77.5	79.4	79.4	80.0	79.7	82.6	83.4	85.0
30 ^b	75.5	74.9	74.8	74.9	74.0	74.1	72.7	72.6	72.6	73.1	73.3	—
31 ^b	60.8	62.7	64.6	66.3	66.4	66.4	66.7	64.4	66.3	66.4	67.4	67.1
Hourly Means	69.57	71.94	73.01	71.36	73.95	75.19	76.39	75.95	75.89	77.16	77.16	75.32
TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
MAY.	1	2	3	4	5	6	7	8	9	10	11	12
1	60.0	60.0	60.2	61.2	59.5	59.0	58.6	58.2	58.0	57.8	57.5	57.3
2	63.5	63.2	63.2	63.5	63.0	62.6	62.0	61.5	61.0	61.0	60.0	60.2
3	61.6	61.0	60.5	60.0	59.6	59.4	59.2	59.0	58.8	58.5	58.5	58.5
4	64.2	64.0	64.0	64.8	63.5	62.8	62.0	61.6	61.0	60.8	60.5	59.3
5	60.6	60.2	59.4	59.0	58.0	57.5	—	56.5	56.0	55.4	55.0	54.6
6	54.5	54.4	54.4	—	—	—	—	—	—	—	—	—
7	—	—	—	53.0	53.0	52.8	52.6	52.6	52.7	52.5	52.5	52.5
8	52.8	52.5	52.2	52.2	52.0	51.8	51.6	51.8	51.4	51.0	51.0	51.2
9	54.6	54.5	54.2	54.4	53.3	52.8	52.2	51.8	51.4	51.0	50.8	51.0
10	53.5	53.0	53.0	53.2	52.5	52.0	51.8	51.2	—	50.5	50.0	50.0
11	53.5	53.5	53.4	54.2	54.0	53.5	53.2	53.2	53.0	52.8	52.4	52.7
12	56.0	56.2	56.0	55.8	55.4	54.6	54.2	54.0	—	52.8	52.5	52.2
13	53.8	53.4	53.5	—	—	—	—	—	—	—	—	—
14	—	—	—	53.0	53.0	53.0	52.8	53.2	52.4	51.8	51.2	50.8
15	55.0	54.8	55.2	55.2	54.3	53.8	53.6	53.2	53.0	52.6	52.6	52.4
16	53.7	53.7	54.6	55.8	55.2	54.8	54.8	55.0	55.0	54.8	54.6	54.8
17	56.4	—	56.2	56.4	56.2	56.0	56.0	55.6	55.6	55.6	55.6	55.7
18	58.5	58.0	57.4	58.0	56.6	56.0	55.4	55.0	54.0	53.6	52.8	52.8
19	54.1	53.8	54.0	54.5	53.8	53.0	52.8	52.4	52.0	52.5	52.4	52.6
20	53.0	52.6	52.0	—	—	—	—	—	—	—	—	—
21	—	—	—	50.5	50.5	50.3	50.2	49.9	49.6	49.4	49.5	49.8
22	51.0	51.0	51.3	52.2	51.8	52.0	51.4	—	—	50.0	50.2	50.0
23	51.8	51.8	51.6	52.2	52.0	52.0	—	52.2	51.8	52.3	51.0	51.0
24	54.6	54.5	54.1	56.2	54.6	54.0	53.6	53.2	53.0	52.8	52.5	52.4
25 ^a	55.7	55.5	55.7	56.0	55.2	55.0	54.8	55.0	54.8	54.8	54.5	54.5
26	54.2	53.7	53.3	53.3	52.0	51.6	51.4	51.2	51.0	51.0	51.0	51.6
27 ^b	56.0	55.7	55.5	—	—	—	—	—	—	—	—	—
28 ^b	—	—	—	52.0	51.8	51.4	51.0	50.5	49.0	50.0	49.4	49.2
29 ^b	52.2	52.0	52.4	52.8	51.2	51.0	50.5	50.2	49.2	48.6	48.0	47.6
30 ^b	51.0	51.6	51.6	52.0	52.2	52.2	52.2	52.4	52.2	52.0	52.0	—
31 ^b	56.7	55.8	55.6	55.4	55.0	55.0	54.8	55.0	54.6	54.0	54.0	53.4
Hourly Means	55.95	55.70	55.63	55.85	55.17	54.79	54.47	54.39	54.25	53.66	53.37	53.34

^a Not included in the means.

^b Workmen employed in the Observatory; not included in the means.

VERTICAL FORCE.												
One Scale Division = '000042 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.												
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.
63·0	60·4	58·1	59·7	58·6	53·5	49·8	46·2	43·8	41·6	41·2	43·8	56·06
51·0	48·7	47·4	47·8	50·8	51·0	50·6	49·0	46·4	46·8	47·7	49·4	49·76
56·7	55·6	54·0	53·6	51·4	48·2	44·6	40·3	36·8	37·2	37·1	37·3	52·37
57·1	56·9	59·4	57·3	55·6	53·8	52·7	50·8	53·0	—	47·3	49·3	51·58
66·7	67·4	70·0	71·3	72·3	74·5	74·5	71·7	—	68·2	67·8	70·6	66·41
84·1	—	89·4	85·7	84·2	85·7	88·6	86·1	81·6	82·5	80·1	80·1	83·70
85·0	89·2	85·1	82·4	83·1	84·6	81·8	84·4	75·0	75·4	73·5	73·1	83·82
78·9	78·9	80·3	82·4	83·3	86·8	86·7	86·4	83·9	74·7	79·0	79·5	81·73
86·9	85·7	85·6	83·9	82·0	82·3	82·5	88·5	79·5	79·6	78·4	79·9	83·28
75·9	80·5	76·6	75·3	74·6	74·6	76·1	76·3	68·8	67·9	70·5	72·9	77·32
82·3	87·2	85·9	85·6	85·6	85·6	81·1	78·4	77·0	72·7	76·5	78·0	79·16
80·6	82·3	78·2	78·0	79·0	78·3	77·1	73·4	69·4	69·4	69·7	72·8	78·49
78·9	78·9	83·2	84·2	86·8	84·6	84·8	82·9	81·6	73·5	86·1	80·5	79·91
70·2	69·9	73·4	72·1	74·4	78·0	77·2	74·0	68·8	70·0	69·1	70·6	74·15
76·4	75·3	69·4	65·7	66·3	66·3	64·1	60·6	60·6	58·7	62·2	60·0	68·53
78·6	78·6	78·5	78·7	79·2	79·7	78·6	76·9	74·2	73·3	73·7	75·2	74·69
79·7	78·2	79·5	80·4	82·8	82·2	79·9	77·3	76·9	78·0	77·1	77·1	79·68
85·3	85·7	—	89·0	91·2	90·5	88·0	85·4	83·8	84·1	83·9	83·9	86·43
85·0	86·2	86·6	87·2	86·7	86·8	85·1	84·6	82·8	83·3	82·2	82·4	84·45
81·2	80·8	80·5	83·9	85·0	83·4	81·5	78·0	75·0	75·1	73·4	74·9	81·26
78·2	78·8	79·2	77·9	78·0	77·9	76·4	72·9	70·4	69·4	68·7	69·0	75·60
73·2	69·0	—	—	—	—	—	—	60·3	60·9	64·2	65·6	69·99
71·7	70·4	69·2	70·4	68·8	69·1	67·7	65·0	57·5	47·3	61·2	64·8	70·15
81·5	81·0	—	—	—	—	—	—	67·3	67·1	68·9	71·2	—
—	—	—	—	—	—	—	—	—	73·9	73·7	75·2	—
—	—	—	—	—	—	—	—	61·1	61·0	61·9	62·8	—
67·7	—	—	—	—	—	—	—	—	—	—	—	—
75·15	75·03	74·74	75·11	75·44	75·33	74·06	72·23	68·90	68·03	68·47	69·32	73·52

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
57·4	58·4	59·6	61·0	61·8	63·0	63·5	64·0	64·0	64·0	64·0	63·6	60·48
60·8	62·0	62·6	63·0	63·5	63·5	63·5	63·4	63·2	62·8	62·5	62·2	62·15
59·0	60·0	60·8	61·5	62·4	63·6	64·4	64·8	65·0	65·0	64·6	64·5	61·26
59·5	59·6	59·6	60·4	61·4	62·0	62·5	62·5	62·0	—	61·6	61·2	61·77
54·6	55·4	55·5	55·5	55·4	55·0	55·2	55·3	—	55·0	55·0	54·8	56·31
52·6	—	53·5	53·5	53·5	53·6	53·8	53·5	53·6	53·5	53·2	53·0	53·23
52·0	53·0	54·0	54·8	55·2	55·3	55·4	55·5	55·6	55·5	54·8	54·8	53·23
51·8	52·3	53·0	53·5	53·7	54·0	54·3	54·5	54·6	54·5	54·2	54·0	53·18
50·2	51·0	52·0	52·4	52·7	53·1	53·5	53·5	53·5	53·5	53·6	53·5	52·31
53·0	54·5	55·6	55·5	56·0	56·5	56·7	56·8	57·0	56·8	56·5	56·4	54·61
51·4	51·5	52·2	52·5	53·2	53·7	54·0	54·4	54·6	54·4	54·2	54·4	53·92
51·2	51·8	52·6	52·8	54·0	54·5	55·0	55·2	55·4	55·2	55·2	55·0	53·33
52·2	52·4	52·4	52·4	52·8	53·0	53·2	53·5	53·4	53·6	53·6	53·6	53·41
54·8	54·8	54·8	55·4	55·6	55·8	56·0	56·2	56·4	56·4	56·4	56·5	55·25
56·0	56·4	57·2	58·0	59·0	59·0	59·4	59·6	59·6	59·5	59·2	59·0	57·27
52·5	53·0	—	54·0	54·4	54·4	54·4	54·5	54·6	54·6	54·5	54·3	54·93
52·6	53·0	53·8	54·1	54·6	54·8	54·8	54·5	54·8	54·4	53·8	53·4	53·60
49·5	50·0	—	50·4	50·5	51·0	51·0	51·0	51·1	51·1	51·0	51·0	50·65
50·0	50·1	50·4	50·7	51·2	51·4	51·6	51·8	51·8	51·8	51·7	51·6	51·14
51·0	51·6	52·4	52·6	53·0	53·2	53·6	54·0	54·0	54·0	54·6	54·2	52·52
52·5	52·5	53·0	53·5	54·0	54·4	54·6	55·0	55·3	55·5	55·5	55·6	54·04
54·6	55·6	—	—	—	—	—	—	56·8	56·1	55·6	55·0	—
51·7	54·0	53·4	54·0	54·4	54·5	54·6	55·4	57·3	57·6	56·8	56·4	53·56
49·6	50·3	—	—	—	—	—	—	53·3	53·2	52·9	52·6	—
—	—	—	—	—	—	—	—	—	51·0	51·0	51·0	—
53·2	—	—	—	—	—	—	—	55·3	55·6	55·2	55·5	—
53·47	54·16	54·92	55·07	55·56	55·88	56·14	56·31	56·51	56·13	56·20	56·05	55·31

VERTICAL FORCE.													
One Scale Division = '000034 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.													
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 ^a	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	—	—	—	—	—	—	—	—	—	—	—	
	4	—	—	—	—	—	—	—	—	—	—	—	
	5	—	—	—	—	—	—	—	—	—	—	—	
	6	—	—	—	—	—	—	—	—	—	—	—	
	7	—	—	—	—	—	—	—	—	—	—	—	
	8	—	—	—	—	—	—	—	—	—	—	—	
	9	—	—	—	—	—	—	—	—	—	—	—	
	10	—	—	—	—	—	—	—	—	—	—	—	
	11	—	—	—	—	—	—	—	—	—	—	—	
	12	—	—	—	—	—	—	—	—	—	—	—	
	13	—	—	—	—	—	—	—	—	—	—	—	
	14	—	—	—	—	—	—	—	—	—	—	—	
	15	—	—	—	—	—	—	—	—	—	—	—	
	16	55·0	57·0	59·1	60·6	59·4	61·0	62·5	63·7	62·7	63·7	63·3	64·5
	17	65·9	66·0	67·0	—	—	—	—	—	—	—	—	—
	18	—	—	—	71·9	72·4	71·3	70·8	71·4	70·9	70·7	70·6	70·6
	19	67·6	68·1	67·5	70·5	71·2	65·7	64·8	—	64·7	66·1	63·5	59·3
	20	62·6	64·7	64·7	66·4	65·4	65·9	65·5	65·4	64·6	69·4	61·5	59·9
	21	61·3	63·5	63·9	63·7	64·6	65·4	65·9	65·8	66·6	68·4	69·6	67·6
	22	66·8	66·6	66·1	66·9	65·5	65·4	64·1	63·2	62·5	61·9	60·3	57·0
	23	65·6	66·4	66·7	68·0	67·2	67·9	68·5	69·5	—	69·6	69·3	68·6
	24	76·1	76·5	76·8	—	—	—	—	—	—	—	—	—
	25	—	—	—	79·3	79·6	78·2	77·9	77·2	77·0	76·3	75·1	74·6
	26	78·4	77·6	78·6	79·0	—	73·0	80·5	77·2	77·2	77·5	78·1	78·6
	27	80·9	82·4	82·5	82·5	82·3	82·1	82·0	80·7	77·4	79·7	79·9	80·1
	28	83·4	83·5	82·0	81·9	82·9	82·2	82·9	82·1	81·9	81·5	80·4	78·5
	29	81·2	76·9	83·5	79·0	84·6	84·2	84·6	84·5	83·1	81·5	81·6	81·1
	30	86·2	87·2	87·1	87·8	—	95·6	86·9	86·0	90·5	86·9	84·1	84·9
Hourly Means	71·62	72·03	72·73	73·65	72·28	73·68	73·61	73·89	73·26	73·32	72·10	71·18	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
JUNE.	1 ^a	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	—	—	—	—	—	—	—	—	—	—	—	
	4	—	—	—	—	—	—	—	—	—	—	—	
	5	—	—	—	—	—	—	—	—	—	—	—	
	6	—	—	—	—	—	—	—	—	—	—	—	
	7	—	—	—	—	—	—	—	—	—	—	—	
	8	—	—	—	—	—	—	—	—	—	—	—	
	9	—	—	—	—	—	—	—	—	—	—	—	
	10	—	—	—	—	—	—	—	—	—	—	—	
	11	—	—	—	—	—	—	—	—	—	—	—	
	12	—	—	—	—	—	—	—	—	—	—	—	
	13	—	—	—	—	—	—	—	—	—	—	—	
	14	—	—	—	—	—	—	—	—	—	—	—	
	15	—	—	—	—	—	—	—	—	—	—	—	
	16	52·8	52·6	52·2	51·8	51·8	51·4	51·2	50·8	50·7	50·3	50·2	50·0
	17	50·7	50·8	50·8	—	—	—	—	—	—	—	—	—
	18	—	—	—	49·5	49·4	49·4	49·4	49·4	49·0	49·0	49·0	48·8
	19	50·4	50·4	50·4	50·5	50·6	51·0	51·0	—	51·0	51·0	51·0	51·0
	20	52·2	52·2	52·0	52·0	51·7	51·7	51·6	51·4	51·4	51·4	51·2	51·4
	21	52·1	52·0	51·8	51·6	51·2	51·0	50·7	50·5	50·2	50·0	49·8	49·8
	22	51·4	51·8	52·0	52·2	52·3	52·5	52·7	52·8	52·8	53·0	53·0	53·0
	23	52·6	52·4	52·2	52·0	51·7	51·4	51·1	50·9	—	49·9	49·6	49·6
	24	49·5	49·7	49·6	—	—	—	—	—	—	—	—	—
	25	—	—	—	49·0	49·0	49·2	49·2	49·4	49·3	49·4	49·5	49·5
	26	49·8	50·8	49·8	49·8	—	49·4	49·3	49·2	49·0	49·0	48·8	48·7
	27	49·1	49·0	49·0	49·0	49·0	49·0	48·8	48·8	48·8	48·8	48·8	48·8
	28	49·4	49·4	49·4	49·5	49·4	49·4	49·6	49·6	49·3	49·4	49·3	49·3
	29	50·0	50·0	50·0	49·8	49·5	49·5	49·5	49·4	49·4	49·2	49·0	48·8
	30	48·8	48·8	48·7	48·6	—	48·5	48·5	48·2	48·0	48·0	47·8	47·4
Hourly Means	51·45	50·70	50·61	50·41	50·51	50·26	50·20	50·03	49·91	49·88	49·77	49·70	

^a From 1st to 15th Workmen employed in and about the Observatory.

VERTICAL FORCE.												
One Scale Division = '000085 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.												
Mean Göttingen Time. } JULY.	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	91·2	91·7	94·7	—	—	—	—	—	—	—	—	—
2	—	—	—	98·0	94·3	95·7	95·0	93·4	96·7	91·7	95·2	92·4
3	95·1	95·6	94·2	93·0	93·0	96·4	95·1	94·5	93·5	93·5	96·2	100·2
4	88·4	86·6	93·8	95·3	91·8	92·9	91·5	91·4	91·6	95·9	88·5	88·6
5	90·2	88·9	90·3	91·4	91·0	92·4	90·7	91·0	91·5	89·2	90·4	89·5
6	93·3	95·4	96·6	96·7	96·8	97·6	96·6	96·2	95·8	95·1	95·1	95·1
7	99·1	98·4	99·0	98·3	100·2	97·6	102·7	102·9	—	94·8	91·9	91·8
8	107·2	109·1	113·8	—	—	—	—	—	—	—	—	—
9	—	—	—	111·6	113·6	115·8	113·5	114·3	—	114·6	114·6	114·6
10	116·9	111·0	110·5	115·1	122·4	124·6	121·2	114·5	116·6	117·0	116·9	117·8
11	118·9	121·5	121·5	117·5	119·0	118·6	117·1	116·9	116·5	112·4	114·6	118·3
12	119·1	119·8	119·6	120·0	119·3	118·2	118·3	118·3	118·2	118·2	117·6	118·5
13	118·4	124·5	123·4	119·5	123·6	123·6	124·3	124·3	125·9	126·0	125·6	126·9
14	—	110·5	118·8	127·7	127·8	128·4	127·5	126·2	126·2	126·5	125·1	—
15	66·6	56·8	71·7	—	—	—	—	—	—	—	—	—
16	—	—	—	71·0	70·1	68·4	70·0	69·4	69·5	68·5	67·8	66·6
17	68·6	69·7	65·8	73·6	73·7	74·6	73·4	73·6	73·7	73·4	73·5	73·3
18	75·1	74·5	74·7	74·8	75·5	76·6	76·6	75·2	—	74·7	75·6	75·3
19	75·0	76·3	—	76·9	78·0	78·0	77·8	78·7	79·6	80·2	79·9	78·9
20	80·5	80·6	81·5	82·1	82·7	82·2	82·9	82·8	83·3	83·5	82·9	81·3
21	94·4	94·6	93·5	94·4	—	93·6	95·4	95·5	94·7	95·7	94·6	92·1
22	103·1	102·1	103·3	—	—	—	—	—	—	—	—	—
23	—	—	—	102·4	108·0	108·1	107·4	108·2	109·1	109·7	109·4	108·6
24	111·6	113·8	114·3	112·9	113·2	112·5	109·1	112·8	101·1	106·3	119·9	104·2
25	—	—	—	—	114·8	99·7	94·3	86·2	85·8	97·8	100·9	111·5
26	114·8	115·7	—	117·6	110·3	114·8	114·6	113·0	113·0	113·0	112·5	113·3
27	115·4	115·2	110·1	113·1	115·7	117·3	117·3	114·8	—	112·3	112·5	114·1
28	103·1	105·7	105·6	107·7	103·3	102·0	102·5	99·8	99·4	98·6	99·6	104·2
29	94·0	94·4	95·6	—	—	—	—	—	—	—	—	—
30	—	—	—	94·2	96·8	95·5	94·9	94·8	93·5	91·4	93·7	94·1
31	99·0	98·5	102·7	98·2	104·0	105·3	102·8	102·9	—	—	103·7	102·0
Hourly Means	97·46	98·04	99·78	100·12	101·56	101·17	100·48	99·68	98·82	99·20	99·93	98·93
TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
JULY.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
1	47·5	47·5	47·5	—	—	—	—	—	—	—	—	—
2	—	—	—	47·7	47·8	47·8	47·6	47·6	47·5	47·5	47·4	47·2
3	48·5	48·5	48·5	48·8	48·8	48·6	48·5	48·5	49·0	48·8	49·0	49·0
4	50·4	50·2	50·3	50·4	50·4	50·4	50·2	50·4	50·3	50·3	50·2	50·2
5	51·8	51·6	51·6	51·4	51·4	51·3	51·3	51·1	51·1	50·8	50·6	50·4
6	50·2	50·2	50·2	50·2	50·2	50·2	50·2	50·0	50·0	50·0	50·0	50·0
7	49·4	49·4	49·4	49·4	49·4	49·6	49·2	49·4	—	49·2	49·2	49·1
8	49·4	49·4	49·4	—	—	—	—	—	—	—	—	—
9	—	—	—	47·0	46·8	46·6	46·4	46·4	—	45·8	45·6	45·6
10	46·2	46·0	46·0	45·8	45·9	45·8	45·8	45·7	45·3	45·4	45·3	45·2
11	48·0	48·0	48·2	48·2	48·6	48·6	48·7	48·0	48·5	48·5	48·4	48·4
12	48·6	48·7	48·6	48·7	48·6	48·5	48·5	48·4	48·2	48·0	48·0	48·0
13	47·6	47·5	47·5	47·2	47·0	47·0	46·8	46·6	46·2	46·0	45·8	45·7
14	—	47·2	47·2	47·2	47·2	47·2	47·2	47·0	46·8	46·6	46·8	—
15	50·5	50·4	50·2	—	—	—	—	—	—	—	—	—
16	—	—	—	49·0	49·0	48·8	48·4	48·2	47·7	47·7	47·6	47·5
17	49·5	49·4	49·2	49·2	49·2	49·0	49·0	48·6	48·5	48·2	48·0	47·8
18	48·5	48·5	48·5	48·5	48·6	48·4	48·5	48·2	—	48·0	48·0	47·4
19	48·8	49·0	—	48·8	48·6	48·4	48·0	48·0	47·6	47·2	47·0	46·8
20	48·4	48·5	48·5	48·5	48·5	48·2	48·0	48·0	47·5	47·4	47·2	46·8
21	46·3	46·3	46·3	46·3	—	46·0	46·0	45·3	46·0	45·8	45·4	45·4
22	46·2	46·4	46·2	—	—	—	—	—	—	—	—	—
23	—	—	—	43·8	43·5	43·2	43·0	43·0	43·0	42·4	42·2	42·1
24	43·2	43·1	43·1	43·0	42·8	42·8	42·7	42·5	42·2	42·2	42·0	42·0
25	—	—	—	—	44·4	44·4	44·8	—	45·0	45·0	45·2	45·2
26	46·4	46·8	—	47·0	46·7	46·7	46·6	46·3	46·2	46·0	46·0	46·2
27	47·0	46·8	46·7	46·7	46·5	46·5	46·4	46·4	—	46·2	46·2	46·0
28	50·8	51·0	50·8	50·8	51·2	51·2	51·2	51·2	51·2	51·3	51·5	51·6
29	53·5	53·2	53·4	—	—	—	—	—	—	—	—	—
30	—	—	—	50·8	51·4	51·2	51·0	51·0	51·0	50·8	50·5	50·2
31	49·0	48·6	48·4	48·0	47·4	47·4	47·2	47·0	—	—	46·4	46·5
Hourly Means	48·57	48·49	48·51	48·10	47·99	47·84	47·74	47·71	47·56	47·40	47·29	47·21

^a Magnet vibrating.

^b Out of the field of view.

VERTICAL FORCE.												
One Scale Division = '000035 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah. = '00021.												
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.
89.7	a—	105.1	101.1	100.7	101.7	101.0	96.0	92.0	92.3	97.8	94.8	95.75
93.6	88.7	89.0	100.2	97.6	101.4	94.9	91.7	89.3	91.2	89.7	91.5	94.13
88.0	87.8	a—	a—	a—	a—	a—	90.5	88.2	87.9	88.3	90.0	90.37
92.4	91.8	95.8	101.9	102.5	100.5	97.3	95.7	94.2	92.7	92.5	93.6	93.23
95.4	96.5	99.6	105.3	106.6	104.7	102.1	99.1	97.7	97.7	98.1	98.3	97.97
90.1	98.3	112.6	112.6	107.2	108.6	114.9	111.9	109.4	101.5	99.6	94.5	101.65
—	—	—	—	—	—	—	—	—	—	—	—	—
110.4	119.5	120.9	113.5	119.2	117.4	116.8	122.6	120.8	119.1	120.1	112.2	115.44
112.1	120.9	121.0	120.1	120.0	123.0	123.0	124.2	121.8	119.8	117.7	107.1	118.13
118.8	113.1	113.0	116.2	114.3	117.0	117.4	116.2	117.2	117.6	117.6	117.6	117.03
119.3	—	120.0	123.8	a—	a—	118.3	118.3	118.5	119.8	121.7	120.9	119.32
123.3	127.1	125.0	—	132.5	—	128.8	123.0	a—	125.2	128.6	129.9	125.21
121.7	—	—	—	63.8	63.3	62.8	62.4	63.7	62.2	62.2	65.4	98.54
—	—	—	—	—	—	—	—	—	—	—	—	—
67.9	—	—	81.5	79.4	77.0	74.6	a—	a—	71.7	70.9	70.4	70.49
72.7	76.8	78.5	83.4	85.3	84.0	78.3	75.0	73.3	73.0	73.2	74.7	74.80
74.3	75.7	—	—	86.8	87.3	83.9	76.0	77.1	75.9	74.0	74.4	76.86
—	82.1	85.3	88.3	90.3	89.5	83.1	78.7	79.2	78.5	78.8	80.5	80.61
80.8	82.6	88.8	89.5	90.4	91.4	92.1	95.4	92.6	89.7	88.6	91.4	85.82
92.8	92.9	99.2	104.9	108.5	108.1	104.5	101.1	101.1	101.5	101.5	101.5	98.09
—	—	—	—	—	—	—	—	—	—	—	—	—
111.4	c—	113.9	117.7	118.3	116.2	115.4	115.5	114.0	114.4	116.1	116.0	100.80
104.7	112.2	115.1	116.1	114.5	114.9	114.3	114.8	114.7	132.4	b—	b—	112.97
94.0	101.0	112.3	116.0	110.0	105.9	108.5	—	113.0	113.4	115.2	114.8	105.01
116.9	119.4	—	—	122.0	120.9	114.9	118.9	121.1	114.2	111.9	117.6	115.73
117.2	113.0	118.2	126.2	115.8	103.6	108.9	105.0	101.8	101.9	104.7	103.1	112.05
98.8	98.6	98.0	97.3	100.1	97.0	97.0	94.9	91.6	93.2	94.0	94.0	99.42
—	—	—	—	—	—	—	—	—	—	—	—	—
100.8	100.1	94.9	98.1	101.8	192.8	104.4	100.7	93.3	97.3	89.6	101.9	96.61
—	—	—	82.9	80.5	81.8	80.1	80.7	80.0	78.9	78.5	81.5	91.79
98.70	99.91	105.31	104.60	102.83	100.78	101.49	100.35	98.57	98.58	97.24	97.50	99.97

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
47.2	—	47.4	47.4	49.5	47.7	47.7	48.0	48.2	48.3	48.4	48.6	47.70
48.8	49.2	49.5	49.7	49.8	49.8	50.0	50.0	50.2	50.2	50.3	50.2	49.26
50.2	50.2	—	—	—	—	—	51.4	51.5	51.6	51.4	51.4	50.60
50.4	50.2	50.3	50.5	50.4	50.4	50.3	50.3	50.3	50.3	50.5	50.4	50.78
49.8	49.6	49.6	49.5	49.4	49.4	49.4	49.4	49.4	49.6	49.4	49.4	49.80
49.2	49.3	49.2	49.4	49.4	49.6	49.6	49.8	49.8	49.7	49.5	49.4	49.42
—	—	—	—	—	—	—	—	—	—	—	—	—
45.0	45.0	45.0	45.1	45.2	45.5	45.4	45.5	45.7	46.2	46.2	46.2	46.28
45.4	45.5	45.6	45.5	45.8	45.8	46.2	46.7	46.9	47.2	47.5	47.6	46.00
48.2	48.2	48.2	48.5	48.2	48.2	48.2	48.2	48.2	48.4	48.4	48.5	48.31
47.8	—	47.7	47.8	—	—	47.7	47.7	47.8	47.8	47.6	47.6	48.11
45.6	45.5	45.5	—	45.2	—	46.0	46.0	—	46.8	47.2	47.0	46.46
46.8	—	—	—	—	51.0	50.6	50.7	50.8	50.7	50.8	50.6	48.47
—	—	—	—	—	—	—	—	—	—	—	—	—
47.5	—	—	48.5	48.4	48.6	—	—	—	49.6	49.4	49.4	48.76
48.0	47.6	47.8	47.6	47.8	47.8	47.9	47.2	48.2	48.3	48.4	48.6	48.37
47.5	47.2	—	—	47.5	48.0	48.0	48.2	48.6	48.8	48.8	48.9	48.22
—	46.5	46.4	46.8	47.0	47.0	47.6	47.8	48.0	48.2	48.4	48.5	47.75
46.8	46.6	46.2	46.2	46.0	46.0	46.2	46.0	46.3	46.2	46.5	46.4	47.12
45.2	45.1	45.1	45.1	45.0	45.4	45.4	45.2	45.4	46.0	46.0	46.1	45.66
—	—	—	—	—	—	—	—	—	—	—	—	—
42.0	—	41.8	41.8	41.8	42.0	42.1	42.2	42.5	42.7	42.8	43.0	43.03
41.8	41.7	41.6	41.7	41.6	41.8	42.2	42.4	42.4	42.8	—	—	42.35
45.0	45.2	45.0	45.2	45.2	45.4	45.6	—	46.0	46.2	46.4	46.4	45.31
46.0	46.0	—	—	46.6	47.0	47.6	47.4	47.3	47.2	47.0	46.8	46.66
46.2	46.8	47.3	47.8	48.2	48.8	49.4	49.4	49.8	50.2	50.2	50.4	47.65
51.6	51.6	52.0	52.4	52.8	53.0	53.0	53.2	53.4	53.4	53.4	53.5	51.96
—	—	—	—	—	—	—	—	—	—	—	—	—
50.2	50.2	50.3	50.5	50.4	50.4	50.3	50.2	50.0	50.0	49.6	49.4	50.81
—	—	—	47.6	48.0	48.2	48.4	48.8	48.5	48.4	48.4	48.0	47.91
47.18	47.36	47.07	47.36	47.27	47.69	47.54	47.99	48.13	48.26	48.50	48.49	47.79

° The Magnet was adjusted on the 14th day, at 13 hours.

VERTICAL FORCE.													
One Scale Division = '000036 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah° = '00021.													
Mean Göttingen Time. } 0h. 1h. 2h. 3h. 4h. 5h. 6h. 7h. 8h. 9h. 10h. 11h.													
AUGUST.	1	80.3	81.3	83.3	83.1	84.2	84.5	86.1	86.1	83.8	84.2	84.2	
	2	79.6	79.1	82.2	78.2	79.9	81.7	81.7	81.5	83.3	82.8	83.1	82.3
	3	77.6	78.0	76.4	74.8	73.5	74.9	76.6	74.4	—	75.9	74.8	72.1
	4	70.3	59.8	70.6	68.6	73.8	70.7	62.5	68.3	70.1	74.0	75.6	77.8
	5	72.7	72.9	75.1	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	77.5	79.2	75.8	81.7	81.6	76.8	74.6	73.4
	7	68.0	67.2	68.1	68.2	67.2	66.8	66.3	66.0	67.3	67.3	64.7	63.4
	8	59.8	55.7	64.1	62.6	62.2	61.3	67.2	59.2	—	—	59.2	55.4
	9	62.4	64.6	55.5	57.3	59.9	60.2	58.6	57.9	58.9	59.0	59.7	59.0
	10	58.7	56.0	61.2	58.5	58.7	57.1	57.2	58.8	59.4	59.4	59.2	58.5
	11	58.8	60.5	67.9	62.6	59.7	66.6	65.1	68.7	63.1	63.7	65.3	69.3
	12	64.4	63.3	61.1	—	—	—	—	—	—	—	—	—
	13	—	—	—	64.0	64.2	59.7	60.5	61.0	65.5	63.8	61.1	59.1
	14	57.5	56.2	59.3	59.3	54.2	—	62.5	61.7	62.4	66.3	62.8	62.6
	15	58.7	59.7	62.7	63.2	64.2	65.8	67.6	68.7	68.7	68.8	69.0	67.2
	16	62.3	63.1	63.7	64.1	64.2	65.0	63.1	64.2	—	64.8	63.9	60.8
	17	67.2	69.8	69.8	70.0	69.9	69.9	70.0	70.0	72.8	72.8	70.2	68.5
	18	62.7	63.5	63.0	63.2	64.8	63.6	65.2	65.7	—	63.2	61.5	61.5
	19	68.1	67.4	69.0	—	—	—	—	—	—	—	—	—
	20	—	—	—	65.8	65.5	65.5	65.5	65.7	64.7	65.6	64.3	62.9
	21	64.8	66.6	67.0	67.3	72.1	72.1	74.9	74.4	75.5	76.5	76.0	74.8
	22	94.9	96.2	91.2	92.6	93.1	89.4	91.7	89.6	82.5	83.9	85.3	88.2
	23	85.0	86.9	92.2	90.1	—	90.4	83.5	89.9	87.5	87.5	87.9	a—
	24	87.8	95.8	90.2	90.3	95.2	94.5	95.9	96.6	97.0	95.8	97.7	96.6
	25	98.6	98.9	91.8	97.2	—	96.4	91.6	91.1	98.7	98.7	95.0	91.5
	26	83.9	87.2	87.4	—	—	—	—	—	—	—	—	—
	27	—	—	—	84.7	83.0	80.6	85.3	87.7	82.0	85.0	82.5	82.5
	28	86.9	90.4	89.1	90.0	93.1	93.4	93.8	94.3	97.3	97.3	97.3	96.9
	29	111.1	111.7	111.0	111.0	111.1	111.1	111.0	111.0	111.0	119.8	119.8	122.6
	30 ^c	140.8	—	—	—	—	—	—	—	—	—	—	—
	31 ^c	b—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	73.68	74.07	74.92	74.45	73.53	75.85	75.17	75.77	77.46	77.19	75.79	74.63	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
AUGUST.	1	48.0	47.6	47.4	47.6	47.2	46.8	46.4	46.2	—	45.8	45.5	45.5
	2	47.7	47.7	47.9	48.1	47.6	47.4	46.9	46.7	46.4	46.0	46.0	45.8
	3	48.0	48.2	48.2	48.4	48.8	48.8	48.7	48.8	—	48.6	48.7	48.7
	4	49.6	49.2	49.9	50.8	50.8	50.7	50.3	50.0	49.8	49.5	49.5	49.2
	5	49.6	49.3	49.2	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	47.8	47.6	47.4	47.5	47.2	47.2	47.2	47.2
	7	50.5	50.5	50.5	51.0	51.0	51.0	51.0	51.0	50.8	50.8	51.0	51.0
	8	53.9	54.6	54.1	54.0	53.6	53.5	53.4	53.0	—	—	52.6	52.6
	9	53.6	53.4	53.4	53.6	53.8	53.8	53.5	53.2	53.1	52.8	52.8	52.7
	10	53.8	53.8	53.8	53.8	53.5	53.3	53.2	53.2	52.8	52.4	52.2	52.2
	11	51.8	51.7	51.7	51.8	51.8	51.5	51.0	50.8	51.0	50.6	50.4	50.2
	12	52.8	52.8	52.6	—	—	—	—	—	—	—	—	—
	13	—	—	—	51.8	51.8	51.7	51.5	51.3	50.8	50.6	50.5	50.4
	14	53.0	52.8	52.6	52.8	52.4	—	51.8	51.4	51.2	51.0	50.5	50.2
	15	52.1	52.0	51.7	51.7	51.2	50.4	50.2	50.0	49.5	49.2	49.0	48.6
	16	51.0	50.8	50.8	50.8	50.7	50.2	50.2	50.2	—	49.8	49.7	49.6
	17	49.3	49.1	48.8	48.9	48.8	48.4	48.0	47.8	47.4	47.2	47.2	47.0
	18	50.7	50.7	50.7	50.7	50.8	50.8	50.2	50.2	—	49.5	49.2	48.9
	19	50.0	50.0	50.0	—	—	—	—	—	—	—	—	—
	20	—	—	—	50.8	50.8	50.8	50.7	50.6	50.4	50.2	50.2	50.0
	21	51.0	50.8	50.6	50.5	50.2	50.0	49.8	49.2	48.7	48.4	47.9	47.7
	22	49.8	49.8	49.8	49.4	49.3	49.3	49.1	48.9	48.7	48.5	48.0	48.1
	23	50.7	50.7	50.9	51.0	—	51.0	51.0	51.0	50.8	50.8	50.8	—
	24	50.0	50.0	49.8	50.0	49.6	49.4	49.0	48.8	48.3	47.9	47.8	47.5
	25	49.6	49.8	50.0	50.2	—	50.8	50.8	50.8	50.8	50.8	50.7	50.7
	26	55.0	55.0	55.3	—	—	—	—	—	—	—	—	—
	27	—	—	—	56.0	56.0	56.0	56.0	56.0	55.7	55.6	55.6	55.6
	28	54.8	54.4	54.2	54.0	53.6	53.3	53.0	52.6	52.2	52.0	51.8	51.4
	29	51.7	51.0	51.3	51.0	50.8	50.6	50.2	50.0	49.8	49.2	48.8	48.2
	30	45.6	—	—	—	—	—	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	50.91	51.03	51.01	51.20	50.95	50.71	50.53	50.37	50.27	49.77	49.74	49.54	

^a Magnet vibrating.

^b Magnet vibrating out of the field of view. The Magnet was adjusted on the 31st.

VERTICAL FORCE.
One Scale Division = '000036 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 83'4	Sc. Div. 84'0	Sc. Div. 84'6	Sc. Div. 87'8	Sc. Div. 87'8	Sc. Div. 86'4	Sc. Div. 83'8	Sc. Div. 80'8	Sc. Div. 78'7	Sc. Div. 77'3	Sc. Div. 77'5	Sc. Div. 78'4	Sc. Div. 83'11
81'6	82'7	85'4	78'7	75'5	83'8	85'9	85'9	83'4	79'3	76'6	75'9	81'25
68'5	69'4	78'3	89'1	81'6	77'3	77'0	74'1	77'1	77'2	80'6	92'5	77'03
74'5	74'1	—	65'9	69'4	72'1	73'1	73'2	74'6	75'6	77'4	68'0	71'30
—	—	—	—	—	—	—	—	—	—	—	—	—
72'1	—	—	75'2	75'8	76'5	74'8	72'8	71'7	71'2	71'9	68'6	74'85
60'5	a—	59'5	63'4	68'0	69'4	62'8	57'1	56'1	57'3	62'0	57'1	64'07
52'4	60'9	62'0	61'7	54'9	67'9	73'7	83'2	53'9	52'8	52'9	46'2	60'42
60'1	63'5	a—	62'8	60'1	60'1	58'7	57'1	56'5	56'9	55'6	57'4	59'21
63'0	67'1	70'1	71'2	65'0	66'5	64'6	61'9	60'1	57'8	65'3	61'3	61'53
67'7	66'0	63'5	63'6	62'2	61'8	57'6	58'6	60'6	60'7	62'5	54'3	62'93
—	—	—	—	—	—	—	—	—	—	—	—	—
59'1	65'1	65'8	65'5	62'7	68'7	65'2	59'6	55'4	54'1	54'5	55'1	61'60
60'1	59'6	62'1	64'0	65'3	64'9	—	63'6	61'7	62'6	59'5	56'3	61'11
70'7	73'4	78'3	80'3	72'9	69'9	67'0	66'5	63'3	61'1	61'9	56'4	66'92
59'9	61'2	68'2	71'8	72'6	70'2	69'1	67'8	63'8	64'3	66'0	67'5	65'28
68'6	69'6	73'2	76'5	75'8	72'3	74'3	74'3	68'5	63'3	62'4	62'2	70'08
62'8	66'0	68'6	71'1	72'5	75'4	75'3	72'2	70'1	69'1	69'3	68'3	66'90
—	—	—	—	—	—	—	—	—	—	—	—	—
59'4	a—	69'4	69'3	70'8	71'1	71'7	70'2	68'4	68'5	66'9	66'1	67'03
73'4	74'8	77'9	80'3	82'7	83'7	85'0	85'5	82'2	87'7	92'4	93'3	77'54
89'9	103'7	111'4	94'4	91'6	96'8	94'6	90'7	93'0	96'2	93'3	89'6	92'66
89'5	89'7	87'9	92'3	93'2	89'5	96'0	92'2	92'0	92'5	92'5	89'9	89'91
99'0	101'1	101'9	103'0	105'8	105'1	101'6	101'6	101'1	100'4	101'9	101'9	98'24
90'6	93'9	95'1	99'3	100'7	95'0	93'5	97'7	90'7	88'2	86'7	85'5	94'19
—	—	—	—	—	—	—	—	—	—	—	—	—
84'3	87'7	87'7	85'6	88'9	88'3	88'3	87'8	85'3	86'2	85'9	86'5	85'60
97'8	100'3	105'8	106'7	108'3	107'1	107'1	107'1	104'9	108'7	108'1	108'1	99'58
125'4	128'8	127'0	130'1	130'1	130'1	130'1	b—	—	—	140'6	140'8	121'20
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	51'3	54'9	52'9	55'1	55'2	56'7	56'7	56'3	56'3	—
74'97	79'21	81'08	80'38	79'77	80'40	80'45	76'73	73'88	73'71	76'97	75'49	76'45

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

45°4	46°0	46°2	46°4	46°8	47°0	47°3	47°6	47°8	47°8	47°7	47°7	46°86
45'6	45'7	46'1	47'1	47'4	47'4	47'4	47'4	47'8	47'8	48'1	48'1	47'09
48'5	48'8	49'0	49'2	49'4	49'6	49'6	49'6	49'6	49'6	49'8	49'8	48'97
49'2	49'2	—	49'8	50'0	50'2	50'3	50'3	50'3	50'2	50'2	49'8	49'95
—	—	—	—	—	—	—	—	—	—	—	—	—
47'2	—	—	48'0	48'4	49'0	49'2	49'8	50'0	50'0	50'4	50'4	48'55
51'0	—	51'8	52'2	52'3	52'7	53'0	53'2	53'4	53'6	53'5	53'5	51'75
52'8	52'9	53'1	53'3	53'4	53'4	53'4	54'0	54'0	54'2	53'8	53'8	53'52
52'6	52'5	—	52'8	53'0	53'2	53'2	53'8	53'7	53'8	53'8	53'8	53'29
52'0	51'6	51'6	51'5	51'5	51'5	51'5	51'7	51'8	51'8	51'9	51'9	52'43
50'2	50'3	50'8	51'4	51'6	52'0	52'4	52'8	52'8	53'0	53'0	52'9	51'56
—	—	—	—	—	—	—	—	—	—	—	—	—
50'4	50'5	51'0	51'2	51'6	51'8	52'3	52'8	52'9	53'1	53'1	53'1	51'77
50'2	50'7	50'8	51'0	51'1	51'4	—	52'0	52'2	52'8	52'6	52'3	51'67
48'5	48'4	48'3	48'4	49'0	49'2	49'8	50'0	50'2	50'5	50'4	50'4	49'95
49'4	49'8	49'6	49'7	49'8	49'8	49'9	49'9	49'8	49'7	49'8	49'6	50'03
47'2	47'7	48'0	49'7	48'2	48'8	49'0	49'2	49'5	50'3	50'4	50'5	48'60
48'8	48'6	48'4	48'4	48'4	48'8	49'0	49'0	49'3	49'5	49'8	50'0	49'58
—	—	—	—	—	—	—	—	—	—	—	—	—
49'8	—	50'0	50'1	50'2	50'2	50'3	50'7	50'8	51'2	51'1	51'1	50'43
47'5	47'4	47'5	47'3	47'4	47'8	48'0	48'4	49'0	49'1	49'4	49'4	48'88
48'0	48'0	48'0	48'0	48'0	48'3	48'8	49'0	49'4	50'0	50'2	50'4	48'95
50'4	50'3	50'4	50'3	50'3	50'2	50'4	50'2	50'4	50'4	50'2	50'2	50'56
47'2	47'0	47'0	47'0	47'2	47'6	47'8	48'2	48'6	49'0	49'2	49'2	48'46
50'7	51'0	51'2	51'2	51'5	52'2	52'5	53'2	53'8	55'5	54'8	55'0	51'63
—	—	—	—	—	—	—	—	—	—	—	—	—
55'5	55'5	55'6	55'8	56'0	56'0	55'6	55'4	55'3	55'1	55'0	54'8	55'56
51'0	51'0	51'0	51'0	51'0	51'2	51'5	51'7	51'8	51'9	52'0	52'0	52'27
47'8	47'5	47'3	47'0	46'7	46'5	46'3	—	—	—	45'8	45'7	48'72
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
49'48	49'56	49'67	47'99	50'01	50'23	50'35	50'83	51'01	51'24	51'04	51'02	50'45

° Not included in the means.

VERTICAL FORCE.													
One Scale Division = '000035 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fahr ^t . = '00021.													
Mean Göttingen Time. } }	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
SEPTEMBER.	1	Sc. Div. 76·3	Sc. Div. 78·0	Sc. Div. 74·5	Sc. Div. 53·6	Sc. Div. 73·7	Sc. Div. 78·8	Sc. Div. 64·2	Sc. Div. 78·0	Sc. Div. 80·1	Sc. Div. 68·0	Sc. Div. 71·4	Sc. Div. 70·5
	2	80·3	75·1	69·6	—	—	—	—	—	—	—	—	—
	3	—	—	—	78·2	77·2	77·5	77·4	76·6	80·3	79·9	74·9	73·6
	4	71·1	75·2	68·3	74·2	—	68·7	74·6	74·8	72·1	79·6	70·2	65·4
	5	74·5	76·4	70·9	76·9	77·1	72·0	74·4	76·9	77·1	78·3	79·7	76·6
	6	76·8	76·4	77·1	77·5	78·1	77·9	77·7	77·8	77·4	79·0	80·3	78·5
	7	70·6	72·4	74·4	74·4	72·5	—	69·4	71·8	72·9	71·0	71·6	74·1
	8	72·5	67·7	73·5	78·6	—	72·4	73·4	76·1	72·6	72·6	75·4	73·2
	9	68·9	70·9	65·0	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	65·0	65·0	64·1	63·5	63·5	63·9	64·3	64·3
	11	57·4	63·9	61·0	57·4	64·5	62·0	61·1	61·8	60·7	61·5	62·1	61·6
	12	69·2	61·3	63·4	69·6	69·4	71·2	69·6	71·0	72·9	73·8	71·5	69·6
	13	73·8	72·4	73·2	72·3	73·1	70·9	73·0	74·5	72·5	73·2	74·5	73·1
	14	72·2	72·2	72·4	72·6	74·1	73·7	74·3	72·9	73·0	72·9	^a —	77·2
	15	70·9	72·8	67·5	71·4	75·7	75·7	74·0	72·7	72·4	71·6	70·7	70·1
	16	72·8	70·1	71·9	—	—	—	—	—	—	—	—	—
	17	—	—	—	—	71·6	72·0	70·7	70·7	66·0	65·2	65·8	65·7
	18	67·0	68·7	58·9	65·8	66·3	66·3	66·3	54·4	63·3	64·7	66·9	56·5
	19	70·6	69·1	61·0	62·0	62·0	61·7	62·1	63·1	50·1	53·3	57·5	57·5
	20	59·4	61·3	65·1	63·8	—	62·2	61·4	62·2	61·7	61·0	64·8	64·7
	21	51·0	56·3	54·3	54·2	54·9	55·9	55·4	50·7	53·3	45·8	48·7	54·8
	22	52·4	57·3	56·7	39·7	52·4	52·9	54·0	55·0	55·5	59·8	55·5	58·2
	23	54·1	48·2	58·6	—	—	—	—	—	—	—	—	—
	24	—	—	—	60·5	60·4	59·6	60·0	61·2	61·2	61·0	60·5	61·4
	25	57·1	56·7	54·6	52·2	52·2	53·1	53·5	53·3	51·6	52·8	54·3	55·0
	26	44·7	45·0	44·9	41·8	43·7	42·3	44·3	44·6	44·9	42·8	43·5	43·5
	27	34·7	33·1	34·1	34·0	32·3	32·5	31·9	29·6	28·8	28·1	27·4	26·7
	28	45·1	—	32·8	39·3	38·8	41·0	42·7	42·0	40·6	40·6	40·6	42·2
	29	49·7	51·1	51·1	52·0	—	52·7	59·3	53·7	57·6	58·9	60·1	61·8
	30 ^b	63·8	67·1	51·2	—	—	—	—	—	—	—	—	—
Hourly Means	63·72	63·82	62·19	61·83	63·57	63·25	63·55	63·56	63·28	63·17	63·01	63·03	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
SEPTEMBER.	1	50·1	50·0	48·9	49·8	49·8	49·8	49·6	49·2	49·0	49·0	49·8	48·0
	2	50·4	50·4	50·4	—	—	—	—	—	—	—	—	—
	3	—	—	—	49·2	49·0	48·8	48·5	48·2	47·8	47·6	47·5	47·4
	4	50·1	50·1	50·0	49·8	—	49·4	49·4	49·2	48·8	48·4	48·0	48·0
	5	49·5	49·4	49·2	49·2	49·0	48·7	48·4	48·0	48·0	47·4	47·4	47·0
	6	49·2	49·2	49·0	49·0	48·8	48·7	48·3	48·0	47·8	47·5	47·2	46·8
	7	48·7	48·7	48·7	48·7	48·5	—	48·3	48·2	48·0	48·0	47·8	47·6
	8	48·5	48·6	48·5	48·5	—	48·2	48·0	48·0	47·8	47·7	47·6	47·3
	9	51·2	51·2	51·2	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	51·4	51·3	51·2	51·4	51·4	51·6	51·2	51·0
	11	54·0	53·8	53·5	53·2	52·8	52·5	52·2	52·0	51·6	51·3	51·0	50·5
	12	50·0	49·6	49·8	49·8	49·3	49·0	48·8	48·6	48·4	48·0	47·8	47·5
	13	48·6	48·5	48·3	48·4	48·3	48·2	48·0	48·0	47·8	47·6	47·2	47·0
	14	48·0	48·0	47·8	47·8	47·8	47·4	47·2	47·0	46·8	46·7	—	46·4
	15	48·0	48·0	48·0	48·0	48·2	48·2	48·0	48·0	47·8	47·7	47·5	47·2
	16	48·2	48·0	48·0	—	—	—	—	—	—	—	—	—
	17	—	—	—	—	48·2	48·2	48·0	47·8	47·3	47·1	46·8	46·7
	18	50·2	50·2	50·2	50·2	50·1	50·0	49·9	49·8	49·5	49·3	49·2	49·2
	19	51·6	51·8	52·0	52·1	52·0	52·0	51·7	51·5	51·4	51·0	51·0	50·8
	20	51·4	51·3	51·2	51·1	—	50·8	50·5	50·2	50·0	49·8	49·7	49·7
	21	54·0	54·0	53·8	53·8	53·7	53·6	53·5	53·2	53·2	53·0	52·8	52·8
	22	53·8	53·8	53·7	53·6	53·5	53·5	53·5	53·4	53·0	53·0	52·5	52·2
	23	51·6	51·4	51·2	—	—	—	—	—	—	—	—	—
	24	—	—	—	51·8	51·7	51·5	51·3	51·2	51·0	51·0	50·6	50·6
	25	53·2	53·2	53·2	53·2	53·2	53·0	53·0	53·0	53·0	53·2	53·2	53·0
	26	56·7	56·8	56·8	56·8	57·0	57·0	57·0	57·0	56·6	56·5	56·3	56·2
	27	60·6	61·0	61·0	61·0	61·5	61·7	61·7	61·7	61·8	61·8	61·8	61·8
	28	61·2	—	60·5	60·2	60·0	59·6	59·2	58·8	58·4	58·0	57·8	57·3
	29	55·2	55·0	54·5	54·0	—	53·2	52·8	52·2	51·7	51·2	50·8	50·4
Hourly Means	51·76	51·33	51·58	51·70	51·61	51·43	51·12	50·94	50·72	50·54	50·52	50·10	

^a Magnet vibrating.^b Not included in the means.

VERTICAL FORCE.

One Scale Division = '000035 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 73·8	Sc. Div. 76·7	Sc. Div. 80·2	Sc. Div. 85·3	Sc. Div. 81·6	Sc. Div. 84·4	Sc. Div. 84·6	Sc. Div. 90·1	Sc. Div. 88·6	Sc. Div. 86·9	Sc. Div. 68·0	Sc. Div. 69·2	Sc. Div. 76·52
—	—	—	—	—	—	—	—	—	—	—	—	76·42
69·4	—	77·7	79·8	84·6	83·2	75·8	74·4	75·7	73·1	72·2	71·1	76·02
64·6	64·6	71·4	75·4	78·9	81·6	87·9	99·4	89·1	75·7	69·3	73·3	79·71
76·7	80·5	84·5	89·6	83·0	80·0	82·3	86·6	85·5	85·1	79·7	88·7	78·82
79·0	82·1	83·7	88·2	91·2	85·6	80·7	75·6	76·3	72·4	70·7	71·7	75·07
74·2	77·6	79·0	80·3	84·9	85·1	81·3	81·9	72·1	74·7	69·7	70·8	73·73
75·7	77·9	78·6	79·1	78·5	77·3	74·0	75·5	68·9	65·8	68·7	67·7	64·29
—	—	—	—	—	—	—	—	—	—	—	—	64·99
64·9	a—	66·9	66·5	65·0	66·6	65·0	62·8	62·6	61·0	59·9	54·9	73·08
62·8	62·5	68·5	71·9	72·9	73·1	74·0	71·8	65·0	66·7	65·0	70·5	75·01
70·0	74·0	78·5	81·4	84·2	88·2	77·4	76·1	73·5	73·2	72·9	71·9	71·71
72·7	72·2	79·8	82·6	83·3	80·1	78·4	75·7	74·3	74·8	74·8	a—	73·06
75·6	75·2	—	77·0	78·3	75·9	74·3	73·7	70·9	69·9	69·9	69·9	68·52
72·7	75·8	75·8	78·7	a—	76·7	74·8	73·7	72·3	72·8	70·9	70·6	64·80
—	—	—	—	—	—	—	—	—	—	—	—	62·59
66·1	62·3	68·2	69·5	68·3	69·8	72·4	68·7	68·9	68·8	68·0	62·5	63·43
61·5	63·9	65·0	70·8	76·3	74·7	70·7	61·4	62·6	61·9	71·5	49·9	56·65
—	62·1	61·9	66·3	70·7	68·4	66·0	63·2	67·2	70·3	70·9	62·5	57·40
63·0	67·5	71·4	78·2	66·9	65·5	66·7	67·5	58·7	56·0	60·1	49·7	59·81
57·4	56·5	58·2	60·2	65·6	71·3	64·0	64·2	58·7	53·7	59·1	55·5	53·17
60·5	53·3	56·8	58·7	66·0	63·7	64·7	64·7	59·0	59·5	60·1	61·1	43·80
—	—	—	—	—	—	—	—	—	—	—	—	33·78
63·1	65·5	67·4	66·6	65·7	62·4	59·9	55·2	53·9	54·8	57·0	57·2	43·51
53·6	57·3	61·0	a—	59·8	56·4	51·1	47·3	45·7	45·0	a—	46·1	62·61
46·0	49·0	52·4	52·8	50·9	46·9	43·9	40·2	37·0	36·3	35·2	34·7	—
30·6	36·6	37·9	38·2	35·5	37·0	35·2	40·3	36·0	36·0	36·0	38·1	—
44·3	48·8	50·4	53·0	50·8	51·4	50·3	49·3	50·4	49·2	48·7	51·9	—
65·5	66·6	69·7	76·2	78·0	71·8	70·2	71·1	69·8	68·1	63·6	61·5	—
—	—	—	—	—	—	—	—	—	—	—	—	—
64·32	65·59	68·54	71·93	71·70	71·08	69·02	68·42	65·71	64·47	64·25	61·71	65·21

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

47·8	47·8	47·8	47·8	48·0	48·4	48·6	48·8	49·5	49·4	50·0	50·2	49·05
—	—	—	—	—	—	—	—	—	—	—	—	49·01
47·4	—	48·2	48·6	48·8	49·2	49·5	49·8	50·0	50·2	50·2	50·2	48·95
47·7	47·7	47·9	48·1	48·4	48·4	48·8	49·0	49·4	49·8	49·7	49·7	48·29
47·0	47·0	47·0	47·2	47·8	48·0	48·2	48·8	49·0	49·3	49·2	49·2	47·99
47·0	47·0	47·0	47·2	47·5	47·4	47·7	48·0	48·0	48·2	48·4	48·8	48·16
47·3	47·2	47·2	47·4	47·5	47·8	48·0	48·0	48·2	48·5	48·7	48·5	48·69
47·2	47·4	47·7	48·0	48·7	49·0	49·8	50·0	50·5	50·8	51·0	51·0	52·16
—	—	—	—	—	—	—	—	—	—	—	—	52·20
51·2	—	51·7	52·2	52·7	53·2	53·5	53·8	53·8	54·0	54·1	54·0	48·50
50·5	50·3	50·2	50·2	50·0	50·0	50·0	50·0	50·0	50·0	50·0	50·0	47·66
47·2	47·2	47·3	47·6	47·8	48·1	48·4	48·6	48·7	48·8	48·8	48·8	47·30
46·9	46·8	46·8	46·8	47·0	47·2	47·4	47·5	47·8	48·0	48·0	—	47·79
46·2	46·3	—	46·5	47·0	47·0	47·2	47·6	47·8	47·8	48·0	48·2	48·15
47·4	47·2	47·2	47·2	—	47·5	47·7	47·9	47·8	48·2	48·3	48·2	50·08
—	—	—	—	—	—	—	—	—	—	—	—	51·22
46·6	47·2	47·3	47·6	48·0	48·5	49·0	49·2	49·7	49·9	50·0	50·2	51·26
49·2	49·2	49·8	49·8	49·8	50·2	50·5	50·7	51·0	51·2	51·3	51·4	53·35
—	50·5	50·3	50·4	50·5	50·6	50·8	51·0	51·2	51·4	51·6	51·5	52·55
49·8	50·2	50·5	51·0	51·2	51·8	52·0	52·7	53·0	53·3	53·8	54·0	51·62
52·6	52·4	52·5	52·6	52·8	53·2	53·4	53·7	53·8	54·0	54·0	54·0	53·91
52·0	51·8	51·7	51·7	51·7	51·8	51·8	51·8	52·0	51·8	51·8	51·7	57·33
—	—	—	—	—	—	—	—	—	—	—	—	61·85
50·6	50·8	51·0	51·4	51·6	52·0	52·2	52·5	52·7	53·0	53·0	53·2	57·70
53·2	53·4	53·7	—	54·4	54·6	55·0	55·4	56·0	56·2	—	56·7	51·39
56·0	56·0	56·2	56·4	57·0	57·4	58·0	58·8	59·2	59·8	60·0	60·5	—
62·0	62·0	62·2	62·2	62·4	62·6	62·6	62·7	62·4	62·2	62·0	61·6	—
57·0	56·8	56·6	56·5	56·4	56·4	56·5	56·4	56·2	56·0	55·7	55·5	—
50·2	50·0	49·8	49·8	50·0	50·0	50·0	50·2	50·2	50·2	50·4	50·2	—
50·00	50·10	50·36	50·16	50·71	50·81	51·06	51·32	51·52	51·68	51·58	51·97	51·03

VERTICAL FORCE.													
One Scale Division = '000035 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.													
Mean Göttingen Time. }	0h.	1h.	2h.	3 .	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.	
Sept. 30	43·8	47·1	31·2	—	—	—	—	—	—	—	—	—	
OCTOBER.	1	—	—	—	—	67·5	67·7	67·2	67·2	66·5	67·4	66·8	
	2	58·0	58·0	59·1	61·1	60·5	55·9	59·8	61·4	58·9	59·1	58·6	
	3	56·3	61·5	56·5	55·2	56·7	56·2	56·2	57·0	57·0	56·9	56·8	
	4	39·5	38·5	37·6	32·8	37·9	38·2	39·0	37·1	37·1	37·4	37·8	40·9
	5	40·8	44·3	44·0	46·7	46·4	42·3	33·8	45·4	48·1	47·5	46·9	48·4
	6	49·4	51·7	59·6	59·1	57·8	58·0	59·4	59·5	60·6	61·6	63·1	66·1
	7	52·8	48·6	54·5	—	—	—	—	—	—	—	—	—
	8	—	—	—	44·3	45·5	45·8	46·5	45·9	45·9	46·8	49·3	54·6
	9	44·6	45·0	45·2	45·2	44·2	43·7	43·8	41·7	41·4	42·3	41·5	44·4
	10	47·5	45·8	47·5	47·9	44·9	50·0	50·0	53·1	51·6	52·7	53·8	53·3
	11	44·6	42·3	41·2	45·0	42·9	43·6	44·0	43·1	42·8	43·6	42·3	42·0
	12	43·8	40·3	45·3	50·0	49·4	49·4	49·4	49·4	49·5	50·4	54·4	54·6
	13	49·6	49·8	49·6	39·0	47·3	49·8	49·7	49·3	48·9	47·5	47·1	48·1
	14	55·2	55·5	55·3	—	—	—	—	—	—	—	—	—
	15	—	—	—	63·7	64·9	59·1	55·9	56·4	65·0	65·0	75·1	67·6
	16	57·3	54·3	50·1	52·5	55·3	52·0	54·1	56·1	49·3	53·2	—	—
	17	42·4	35·9	18·9	43·5	45·7	36·7	36·7	46·6	38·8	38·5	48·8	45·4
	18	33·5	39·6	36·2	37·2	41·5	35·3	35·9	37·8	37·6	38·2	41·6	42·9
	19	34·4	37·2	36·5	39·0	36·0	41·1	38·9	37·0	39·5	—	42·3	43·1
	20	45·0	37·2	40·6	45·2	44·9	46·7	47·4	—	46·6	45·4	46·5	48·7
	21	43·0	43·2	43·2	—	—	—	—	—	—	—	—	—
	22	—	—	—	50·4	50·3	51·0	50·3	50·6	50·5	52·6	52·7	55·8
	23	48·3	48·8	48·7	48·9	—	49·1	49·1	49·4	—	48·5	49·1	51·6
	24	45·4	49·1	50·5	49·2	48·0	44·5	44·4	43·1	43·0	40·3	39·6	42·1
	25	33·0	34·4	36·6	34·3	37·5	36·5	40·9	40·9	41·5	42·2	44·3	49·1
	26	21·7	38·4	36·9	33·5	36·9	25·4	27·8	34·3	29·3	26·7	31·5	34·6
	27	21·1	10·9	37·3	35·5	36·3	33·2	37·4	37·4	37·6	36·4	37·7	41·5
	28	34·9	44·9	44·2	—	—	—	—	—	—	—	—	—
	29	—	—	—	54·6	56·2	56·6	57·7	57·7	60·2	56·1	—	62·7
	30	60·9	60·9	51·4	57·5	52·5	59·5	59·8	58·5	55·1	56·8	56·4	55·3
	31	49·5	49·5	—	53·3	—	50·2	48·0	47·9	50·3	47·5	47·7	47·5
Hourly Means	44·31	44·91	44·53	47·10	47·48	47·31	47·54	48·61	48·20	48·46	49·29	50·92	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
Sept. 30.	50·2	50·0	50·0	—	—	—	—	—	—	—	—	—	
OCTOBER.	1	—	—	—	—	49·0	48·8	48·8	48·8	48·8	48·6	48·8	
	2	52·6	52·0	52·0	52·2	52·2	52·0	51·8	51·2	50·7	50·5	50·0	
	3	54·0	54·0	54·2	54·0	53·8	53·7	53·5	53·2	53·0	52·8	52·7	
	4	59·0	59·2	59·3	59·4	59·5	59·5	59·5	59·3	59·2	59·0	59·0	
	5	58·7	58·3	57·8	57·5	57·0	57·4	56·2	55·5	54·8	54·5	54·0	
	6	53·2	53·0	53·0	52·8	52·7	52·2	51·9	51·6	51·4	51·2	50·8	
	7	54·6	54·7	54·7	—	—	—	—	—	—	—	—	
	8	—	—	—	56·4	56·2	56·0	55·8	55·5	55·1	54·8	54·5	
	9	57·0	57·0	57·0	57·0	57·2	57·2	57·0	56·8	56·6	56·4	56·4	
	10	56·0	55·8	55·5	55·3	55·0	54·6	54·0	53·5	53·0	53·0	52·5	
	11	56·0	56·2	56·2	55·8	55·7	56·0	56·2	56·0	55·8	55·6	55·2	
	12	55·4	55·4	55·0	55·0	54·7	54·3	53·8	53·2	52·6	52·5	51·8	
	13	54·8	55·0	54·9	55·0	54·9	54·6	54·5	54·2	54·0	53·4	53·0	
	14	53·6	53·8	53·6	—	—	—	—	—	—	—	—	
	15	—	—	—	50·7	50·3	49·8	49·6	49·3	48·8	48·5	48·2	
	16	51·2	51·5	51·7	52·0	52·0	52·2	52·4	52·2	52·2	52·2	—	
	17	56·5	56·5	56·4	56·4	56·2	56·0	56·0	55·6	55·3	55·2	55·0	
	18	58·0	58·0	58·0	58·0	57·7	57·2	57·2	57·0	56·6	56·4	56·2	
	19	58·0	58·0	57·8	57·4	57·2	56·8	56·5	56·2	56·0	55·2	55·0	
	20	56·0	56·0	55·8	55·6	55·5	55·2	55·0	—	54·2	53·9	53·7	
	21	55·8	55·8	55·8	—	—	—	—	—	—	—	—	
	22	—	—	—	53·4	53·4	53·1	52·6	52·4	52·0	52·0	51·8	
	23	53·5	53·6	53·8	53·7	—	53·6	53·5	53·4	—	53·0	52·8	
	24	54·0	54·2	54·6	54·6	54·9	55·0	55·1	55·3	55·5	55·5	56·2	
	25	58·2	58·0	57·8	57·6	57·4	57·0	56·4	55·8	55·5	55·0	54·8	
	26	59·2	59·3	59·4	59·4	59·8	59·2	59·2	59·2	59·2	58·8	58·4	
	27	59·2	59·0	58·8	58·8	58·2	57·8	57·4	57·0	56·4	56·0	55·6	
	28	55·6	55·5	55·4	—	—	—	—	—	—	—	—	
	29	—	—	—	51·2	51·0	50·8	50·2	50·0	49·6	49·3	—	
	30	51·0	51·0	51·0	51·0	51·0	50·8	50·7	50·6	50·4	50·4	50·4	
	31	53·8	53·8	—	53·8	—	53·5	53·4	53·2	53·0	53·0	53·0	
Hourly Means	55·37	55·36	55·37	55·15	55·15	54·61	54·38	54·08	53·83	53·59	53·54		

VERTICAL FORCE.

One Scale Division = .000035 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah° = 00021.

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.
71.4	88.4	74.1	67.1	65.2	63.0	59.9	65.4	67.1	60.4	62.9	56.6	63.36
62.9	62.9	65.6	66.0	62.9	60.8	62.9	72.4	71.1	66.1	56.2	35.6	60.68
58.5	61.9	61.2	60.2	60.0	57.9	52.3	46.4	42.5	42.3	39.6	41.3	54.44
40.0	42.9	a—	50.9	46.6	44.6	44.3	46.7	44.4	42.3	39.1	32.8	40.37
50.3	52.3	59.5	68.1	59.3	56.1	52.3	52.5	52.1	52.3	52.8	51.1	49.72
64.5	67.9	68.7	71.7	69.1	64.7	61.6	58.3	56.4	51.2	51.1	52.8	60.16
58.2	59.4	61.2	61.6	59.7	57.2	53.2	54.0	46.6	51.7	49.4	43.7	51.52
47.0	50.1	53.5	51.6	48.0	42.5	42.5	43.3	49.7	44.5	45.6	46.9	45.34
54.8	58.9	59.0	58.8	58.3	56.6	54.1	52.1	52.0	47.7	46.9	45.1	51.76
45.3	50.5	50.2	52.0	47.3	45.8	45.8	44.9	45.1	47.0	43.5	43.8	44.94
54.0	58.5	63.1	60.8	56.0	54.1	55.4	57.3	53.5	49.6	46.4	48.8	51.81
52.4	56.1	59.0	62.1	63.6	60.8	56.0	51.5	52.7	52.4	57.6	60.8	52.53
68.0	70.7	61.6	61.9	63.3	67.0	65.4	63.4	66.0	61.7	68.6	50.7	62.79
49.7	54.2	—	52.5	52.1	—	52.3	—	57.1	45.7	48.3	41.1	51.97
55.4	55.4	53.7	48.5	44.7	44.4	48.0	48.0	36.0	41.9	39.3	39.3	43.02
44.1	41.7	44.0	48.5	49.3	49.2	39.2	35.7	35.1	36.4	34.2	36.2	39.62
42.0	49.5	48.1	58.6	55.9	53.2	54.1	56.5	51.6	45.1	39.8	43.4	44.47
55.7	57.0	54.1	53.7	49.1	47.5	46.0	42.9	43.3	43.3	42.9	43.4	46.66
60.8	64.3	67.4	66.7	63.8	57.6	51.5	48.0	47.5	47.4	46.9	47.1	52.61
53.5	56.6	60.8	59.9	57.1	51.6	49.9	50.3	48.3	49.0	46.3	46.3	50.96
43.4	44.9	46.7	46.1	43.9	—	38.6	37.2	39.7	40.3	37.6	32.7	43.06
52.4	52.6	52.4	47.8	47.1	43.8	43.1	49.1	54.8	—	33.9	27.2	42.41
34.7	39.9	46.0	41.3	36.9	35.3	39.4	33.4	31.1	30.3	25.1	29.5	33.33
45.1	46.7	46.9	47.4	45.9	44.3	41.5	45.0	46.0	45.2	44.1	43.2	39.32
67.1	69.9	71.8	68.5	66.5	65.1	61.4	59.1	56.9	57.2	58.6	55.3	58.40
59.0	62.5	59.9	58.2	60.8	58.2	58.0	53.2	48.8	47.8	50.3	46.9	56.18
50.7	56.6	61.3	56.5	55.1	55.4	49.9	54.3	45.2	40.1	38.9	37.2	49.66
53.37	56.75	57.99	57.30	55.10	53.47	51.06	50.80	49.65	47.65	46.04	43.66	49.64

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

48.6	49.2	49.5	50.0	50.2	50.6	51.2	51.6	52.0	52.2	52.5	52.6	50.09
50.0	50.0	52.0	50.5	51.0	51.4	52.0	52.5	52.7	53.2	53.5	53.8	51.67
52.8	53.0	53.2	54.0	54.3	55.1	55.9	56.5	57.3	57.8	58.4	58.8	54.53
58.7	58.6	—	58.7	58.8	58.8	59.0	59.0	59.2	59.3	59.2	58.8	59.09
53.8	53.4	53.2	53.3	53.6	53.8	53.8	53.8	53.7	53.6	53.8	53.5	54.95
50.6	50.8	51.0	51.0	51.5	51.8	52.3	52.8	53.3	53.8	54.3	54.5	51.75
54.0	54.0	54.0	54.2	54.5	54.8	55.0	55.5	55.8	56.2	56.5	56.6	55.15
56.2	56.0	56.0	56.0	56.0	56.2	56.4	56.4	56.5	56.4	56.3	56.2	56.52
52.0	52.0	52.2	52.5	52.8	53.2	53.6	54.2	54.6	55.0	55.5	55.8	53.91
55.0	55.0	55.2	55.2	55.4	55.5	56.0	56.0	56.0	55.8	56.0	55.8	55.70
51.5	51.3	51.5	51.7	52.2	52.7	53.0	53.5	54.0	54.3	54.6	54.8	53.35
52.6	52.5	52.5	52.4	52.5	52.5	52.6	53.0	53.2	53.4	53.6	53.7	53.58
48.0	48.0	48.0	48.2	48.4	48.6	49.0	49.3	49.8	50.2	50.6	51.0	49.72
52.5	52.8	53.2	53.5	54.3	—	55.2	—	55.7	56.1	56.4	56.5	53.24
54.8	54.8	54.8	55.0	55.2	55.8	56.0	56.5	57.0	57.5	57.6	57.8	55.95
56.0	56.8	56.8	57.0	57.2	57.5	57.8	58.0	58.0	58.2	58.2	58.0	57.33
54.5	54.2	54.1	54.2	54.4	54.8	55.1	55.2	55.4	55.6	56.0	56.0	55.76
53.3	53.2	53.2	54.2	54.0	54.3	54.6	54.8	55.2	55.2	55.4	55.5	54.67
51.5	51.5	51.7	52.0	52.0	52.2	52.5	52.6	53.0	53.2	53.4	53.6	52.87
52.5	52.5	52.3	52.3	52.4	52.5	52.6	53.0	53.1	53.4	53.5	53.8	53.07
56.5	57.0	57.2	57.2	57.6	—	58.2	58.3	58.3	58.5	58.4	58.4	56.39
54.0	54.0	54.4	55.0	55.5	56.0	56.4	57.2	57.7	—	53.8	59.0	56.33
58.0	58.0	58.0	58.4	58.6	59.0	59.4	59.8	60.0	60.0	59.6	59.4	59.05
55.2	55.0	55.0	55.0	55.0	55.0	55.1	55.2	55.3	55.5	55.6	55.7	56.47
48.8	48.8	49.0	49.4	49.4	50.0	50.0	50.2	50.4	50.7	50.7	51.0	50.70
50.4	50.5	50.8	51.0	51.5	52.0	52.3	52.6	53.0	53.3	53.6	53.7	51.39
52.8	52.9	53.0	53.2	53.5	53.8	54.5	54.8	55.8	56.4	57.0	57.5	54.02
53.13	53.18	53.15	53.52	53.77	53.92	54.43	54.70	55.04	55.18	55.52	55.62	54.37

VERTICAL FORCE.													
One Scale Division = '000035 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.													
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	35·1	33·0	33·3	37·3	33·1	34·7	34·1	34·5	33·7	32·1	35·9	35·8
	2	10·2	8·1	7·7	6·0	8·8	11·4	13·6	17·2	17·2	16·1	23·1	35·1
	3	32·2	30·8	30·0	28·1	32·5	31·0	32·0	35·7	37·2	34·8	36·4	37·8
	4	26·8	32·2	36·2	—	—	—	—	—	—	—	—	—
	5	—	—	—	39·8	37·1	43·5	43·5	44·5	44·7	45·8	47·1	48·4
	6	45·0	44·0	39·5	41·4	37·9	42·6	39·7	41·6	39·0	41·2	42·9	44·0
	7	33·6	31·7	32·1	33·6	28·6	35·4	33·7	30·4	33·9	33·1	33·0	37·8
	8	30·6	34·4	a—	24·8	—	34·2	36·7	36·0	36·5	37·6	35·9	39·5
	9	50·1	45·9	46·1	42·9	46·3	46·6	48·6	48·6	46·7	46·4	48·3	49·4
	10	41·1	41·1	40·4	38·7	38·8	40·0	40·4	41·8	40·1	38·6	37·3	39·2
	11	37·1	40·8	40·2	—	—	—	—	—	—	—	—	—
	12	—	—	—	48·1	46·1	45·8	46·1	47·0	50·3	49·3	46·6	47·5
	13	35·3	36·2	36·6	35·6	18·5	23·7	28·3	37·1	38·7	38·0	30·2	30·3
	14	29·0	33·4	34·4	32·2	29·2	33·3	34·8	34·3	34·7	29·7	31·9	43·3
	15	28·6	31·0	29·9	27·0	18·6	32·9	32·6	36·3	31·8	31·6	34·6	32·8
	16	31·7	31·7	32·6	33·0	34·3	33·3	35·7	41·4	35·7	32·8	34·8	39·7
	17	23·3	23·3	23·2	21·5	23·5	21·1	22·6	22·3	22·2	22·9	21·1	22·3
	18	0·5	-1·0	-3·7	—	—	—	—	—	—	—	—	—
	19	—	—	—	14·5	15·9	16·6	17·7	19·0	19·1	19·7	23·4	24·0
	20	29·5	29·5	30·8	31·4	32·4	32·9	33·5	34·9	—	32·9	34·1	39·6
	21	31·0	32·1	34·6	34·1	34·1	35·0	34·5	38·4	41·6	40·2	40·7	41·1
	22	35·0	37·5	—	39·2	37·3	37·3	37·7	37·7	36·7	33·2	34·2	39·1
	23	31·2	31·8	34·3	28·9	32·5	30·0	31·0	30·6	—	31·1	32·5	37·6
	24	21·3	17·8	31·3	26·8	30·4	33·8	32·9	32·8	30·4	29·9	31·6	35·8
	25	26·1	24·8	24·4	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	23·6	26·0	25·3	25·0	25·1	24·4	24·6	26·3
	27	17·2	18·0	19·2	18·3	18·0	18·6	20·5	19·1	—	20·0	22·5	22·2
	28	14·9	16·8	16·9	14·3	17·2	14·7	20·8	18·5	20·9	20·8	20·2	21·7
	29	6·0	-10·6	2·7	-4·1	-1·7	6·8	9·3	9·4	9·8	10·9	11·6	14·7
	30	14·7	14·7	16·0	15·6	13·7	18·4	18·2	18·9	19·5	24·9	21·3	22·9
Hourly Means	27·58	27·27	27·86	28·36	27·47	29·98	30·92	32·04	32·41	31·46	32·15	34·92	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
NOVEMBER.	1	57·8	58·0	58·2	58·4	58·8	58·8	58·8	58·4	58·1	58·0	57·9	57·7
	2	66·0	66·0	66·0	66·0	65·5	65·2	64·8	64·3	63·8	63·6	62·8	62·6
	3	61·0	60·8	60·7	60·7	60·6	60·4	60·0	59·5	59·0	59·0	58·4	58·2
	4	58·0	57·8	57·6	—	—	—	—	—	—	—	—	—
	5	—	—	—	56·0	55·8	55·7	55·5	55·3	55·0	55·0	54·9	54·8
	6	56·8	56·8	56·7	56·6	56·4	56·4	56·2	56·0	55·8	55·6	55·4	55·2
	7	58·6	58·6	58·4	58·4	58·4	58·2	58·0	57·6	57·3	57·0	56·8	56·6
	8	59·0	58·8	—	58·8	—	58·8	57·6	57·3	57·0	56·6	56·2	56·0
	9	55·2	55·0	54·8	54·7	54·6	54·0	54·0	53·8	54·0	53·8	53·4	53·4
	10	56·4	56·4	56·4	56·4	56·4	56·0	56·2	56·0	55·7	55·7	55·6	55·5
	11	57·0	57·0	56·2	—	—	—	—	—	—	—	—	—
	12	—	—	—	54·0	53·8	53·6	53·5	53·2	53·2	53·0	53·0	53·0
	13	57·2	57·4	57·4	57·4	57·8	57·6	57·4	57·2	57·0	56·9	56·8	56·7
	14	58·8	58·6	58·6	58·6	58·7	58·5	58·4	58·2	58·2	58·0	57·8	57·8
	15	60·0	59·9	59·9	59·7	59·5	59·4	58·8	58·4	58·4	58·0	57·8	57·8
	16	59·2	59·0	58·8	58·8	58·6	58·2	58·0	57·4	57·1	56·7	56·3	56·2
	17	62·0	62·2	62·2	62·4	62·4	62·3	62·2	62·1	61·8	61·6	61·6	61·5
	18	69·3	69·8	70·1	—	—	—	—	—	—	—	—	—
	19	—	—	—	65·0	64·7	64·2	63·8	63·2	62·7	62·4	62·0	61·5
	20	59·8	59·6	59·2	59·0	58·9	58·6	58·3	57·9	—	57·2	56·8	56·4
	21	58·2	58·1	57·8	57·7	57·4	57·4	57·2	56·8	56·5	56·2	56·0	56·0
	22	57·8	57·6	—	57·6	57·6	57·4	57·2	57·2	57·0	57·0	56·7	56·4
	23	59·0	59·2	59·0	59·0	59·1	59·0	58·7	58·6	—	59·0	57·6	57·6
	24	59·7	59·7	59·6	59·5	59·4	59·0	58·8	58·4	58·0	57·8	57·4	57·4
	25	60·9	61·2	61·5	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	61·2	61·0	60·7	60·5	60·4	60·0	59·8	59·6
	27	63·1	63·1	63·0	62·9	62·6	62·4	62·2	61·8	—	61·2	61·0	61·0
	28	63·4	63·0	62·8	62·4	62·2	62·0	61·6	61·0	60·7	60·3	60·0	59·8
	29	67·2	67·3	67·2	67·0	66·8	66·4	66·0	65·4	64·5	64·2	64·0	63·5
	30	63·5	63·2	63·0	62·8	62·5	62·4	62·2	62·0	61·4	61·2	61·0	60·8
Hourly Means	60·19	60·16	60·21	59·60	59·59	59·34	59·08	58·75	58·37	58·27	57·96	57·81	

* Magnet vibrating.

VERTICAL FORCE.												
One Scale Division = '000035 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah'. = '00021.												
12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 38'7	Sc. Div. 43'7	Sc. Div. 42'1	Sc. Div. 39'1	Sc. Div. 36'5	Sc. Div. 29'8	Sc. Div. 23'4	Sc. Div. 23'9	Sc. Div. 21'1	Sc. Div. 15'1	Sc. Div. 15'1	Sc. Div. 13'0	Sc. Div. 31'42
40'7	31'4	25'2	27'1	32'2	34'3	30'0	27'7	29'2	28'8	31'5	25'6	22'43
40'1	43'1	46'3	47'6	45'4	41'9	39'1	36'3	36'5	36'0	34'7	35'0	36'69
—	—	—	—	—	—	—	—	—	—	—	—	—
48'9	49'3	49'5	46'3	42'5	43'2	42'2	39'4	39'0	38'5	41'1	41'8	42'14
46'1	48'0	48'6	46'8	46'8	44'0	42'6	38'6	35'8	35'9	a—	33'7	41'99
43'0	49'0	52'1	51'9	49'2	44'8	39'0	35'8	33'2	31'3	31'0	31'0	37'01
43'9	50'6	49'5	55'3	46'1	44'4	50'1	51'5	48'4	45'0	43'9	42'9	41'72
50'8	52'8	51'1	49'7	45'7	43'3	43'0	43'8	41'3	41'5	35'8	39'7	46'02
41'0	43'7	44'5	41'6	40'8	40'2	40'7	39'9	38'4	39'1	39'1	39'4	40'25
—	—	—	—	—	—	—	—	—	—	—	—	—
49'8	53'3	56'6	56'1	53'7	52'5	57'4	45'2	39'0	40'1	41'0	36'5	46'92
34'4	39'3	47'3	45'8	42'7	30'8	31'1	32'0	34'9	34'3	34'5	31'9	34'48
39'6	38'7	42'8	43'9	43'2	42'6	37'4	34'0	34'0	33'0	31'4	27'1	35'33
—	36'6	43'2	40'4	—	36'4	31'7	30'9	33'3	32'2	34'8	30'9	32'64
43'6	43'3	39'7	35'6	35'2	33'0	38'7	31'4	28'8	25'5	23'8	22'2	34'06
23'0	23'5	25'3	23'8	18'2	14'4	13'5	11'6	8'6	6'4	a—	0'5	19'05
—	—	—	—	—	—	—	—	—	—	—	—	—
27'8	30'4	34'8	32'5	34'9	31'6	29'6	28'0	28'8	25'5	26'8	28'0	21'85
43'3	45'3	45'7	46'8	46'3	43'9	41'3	34'5	36'9	37'7	—	30'4	36'98
41'6	41'4	42'6	40'6	40'5	42'1	43'2	38'6	38'2	36'3	35'0	34'7	38'01
42'8	44'5	43'2	35'9	32'6	33'1	29'6	31'5	32'6	31'8	30'4	30'5	35'80
43'6	44'9	41'2	36'8	34'3	31'0	31'2	31'2	30'3	29'0	26'6	23'3	32'82
41'1	43'0	43'8	41'9	36'7	34'4	30'9	30'3	30'5	30'8	28'0	26'1	32'18
—	—	—	—	—	—	—	—	—	—	—	—	—
30'0	30'7	28'8	25'1	19'8	19'7	22'3	23'5	21'7	19'3	17'0	16'5	23'91
22'0	24'8	22'2	18'3	18'3	20'1	18'4	20'5	21'0	17'6	16'7	16'0	19'54
26'0	22'4	21'5	22'8	23'1	18'8	16'3	15'9	15'2	8'9	8'2	4'9	17'57
20'6	20'7	20'0	16'3	16'6	20'1	16'1	21'1	17'8	16'0	15'8	14'0	11'66
25'4	28'7	20'6	19'8	22'3	20'2	17'7	15'7	11'9	12'8	10'9	12'2	18'21
37'91	39'35	39'55	37'99	36'14	34'25	32'94	31'26	30'25	28'78	28'40	26'45	31'93

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
57'8	58'0	58'6	59'2	60'2	61'2	62'2	63'0	63'8	64'8	65'2	65'8	59'95
62'4	62'0	61'8	61'6	61'6	61'5	61'5	61'5	61'4	61'3	61'2	61'2	63'15
58'0	57'7	57'7	57'7	58'0	58'0	58'0	58'1	58'2	58'2	58'2	58'2	58'93
—	—	—	—	—	—	—	—	—	—	—	—	—
54'8	54'8	55'0	55'2	55'5	55'7	55'8	56'1	56'3	56'6	56'8	56'8	55'87
55'2	55'2	55'5	55'7	56'2	56'6	57'0	57'4	57'8	58'2	—	58'5	56'40
56'5	56'5	56'6	56'8	57'0	57'4	58'0	58'0	58'4	58'8	59'0	59'0	57'75
55'8	55'7	55'7	55'5	55'5	55'3	55'3	55'4	55'2	55'2	55'4	55'2	56'42
53'4	53'6	53'8	54'0	54'5	54'8	55'4	55'5	55'8	56'2	56'2	56'4	55'43
55'3	55'5	55'4	55'6	56'0	56'4	56'5	57'0	57'0	57'2	57'4	57'2	56'21
—	—	—	—	—	—	—	—	—	—	—	—	—
52'8	52'8	53'0	54'8	55'0	54'6	54'8	55'5	56'0	56'4	56'8	57'0	54'58
56'8	56'8	56'8	57'0	57'2	57'4	57'8	58'0	58'4	58'7	58'8	58'6	57'34
57'8	57'8	57'8	58'0	58'2	58'4	58'7	59'0	59'3	59'7	59'8	60'0	58'53
—	57'4	57'5	57'8	—	58'0	58'2	58'4	58'6	59'0	59'0	59'1	58'61
56'2	56'4	56'8	57'2	58'8	58'8	59'2	59'8	60'5	61'0	61'4	61'6	58'42
61'5	61'8	62'3	62'5	63'3	64'2	65'0	65'7	66'6	67'4	—	68'8	63'19
—	—	—	—	—	—	—	—	—	—	—	—	—
61'2	61'2	61'0	61'0	60'8	60'8	60'5	60'5	60'3	60'4	60'4	60'0	62'78
56'5	56'4	56'5	56'7	56'9	57'1	57'4	57'7	58'0	58'2	—	58'2	57'79
55'8	55'8	55'8	56'0	56'3	56'6	57'0	57'2	57'5	57'6	57'8	57'9	56'94
56'6	56'8	57'0	57'2	57'5	58'0	58'4	58'8	59'0	59'0	59'0	59'0	57'64
57'5	57'6	57'6	57'8	58'2	58'4	58'7	59'0	59'3	59'4	59'7	59'7	58'64
57'4	57'8	57'8	58'1	58'0	58'3	58'7	59'2	59'6	59'9	60'3	60'6	58'77
—	—	—	—	—	—	—	—	—	—	—	—	—
59'8	59'7	60'0	60'4	60'7	61'1	61'6	62'0	62'3	62'7	63'0	63'1	61'01
60'9	61'0	61'1	61'3	61'6	62'0	62'5	62'7	62'6	63'0	63'0	63'2	62'14
59'8	60'0	60'2	60'7	61'4	62'0	63'0	64'0	64'8	65'6	66'3	66'7	62'65
63'0	62'7	62'7	62'7	62'8	63'0	63'0	63'2	63'5	63'6	63'5	63'6	64'45
60'8	60'8	61'0	61'8	62'4	63'2	64'0	64'0	64'6	64'6	64'7	64'8	62'61
57'74	57'76	57'88	58'17	58'54	58'80	59'16	59'49	59'80	60'10	60'13	64'34	59'05

VERTICAL FORCE.													
One Scale Division = '000035 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.													
Mean Göttingen Time. }	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
DECEMBER.	1	Sc. Div. 15.1	Sc. Div. 14.0	—	16.5	15.7	14.6	12.6	20.2	19.3	21.6	21.6	19.6
	2	24.2	20.2	-0.5	—	—	—	—	—	—	—	—	—
	3	—	—	—	21.0	23.5	23.8	24.3	24.9	24.7	23.9	24.2	26.2
	4	17.5	16.5	18.5	11.6	15.9	19.4	19.7	19.4	18.3	18.4	19.5	23.3
	5	30.2	31.5	30.9	35.1	35.5	36.1	33.7	33.7	35.1	36.2	38.3	43.9
	6	42.0	40.6	38.9	37.5	39.4	41.4	41.6	40.3	43.6	41.5	42.0	47.8
	7	34.4	32.5	34.3	32.4	31.8	33.0	33.9	33.3	—	—	32.9	35.5
	8	29.0	29.3	29.8	29.3	20.3	24.9	30.7	26.1	—	27.3	31.5	31.5
	9	21.2	20.7	16.4	—	—	—	—	—	—	—	—	—
	10	—	—	—	22.6	24.3	27.8	13.4	13.0	17.9	18.9	21.0	28.0
	11	29.9	25.5	27.7	20.2	25.7	21.9	27.5	25.7	40.2	27.3	26.4	31.3
	12	32.4	29.0	24.9	15.0	29.0	33.8	37.5	34.4	34.4	31.4	32.3	44.9
	13	32.6	33.2	33.2	31.6	34.8	34.6	35.6	39.0	36.4	31.6	33.3	37.1
	14	32.1	31.1	29.0	33.4	34.5	34.3	35.0	33.9	36.5	39.5	39.9	39.8
	15	31.5	29.5	31.0	21.4	—	30.7	39.8	39.7	36.3	35.5	36.4	38.4
	16	26.0	28.5	24.6	—	—	—	—	—	—	—	—	—
	17	—	—	—	25.1	25.0	25.6	27.7	29.0	27.9	27.7	28.4	29.7
	18	17.9	15.9	15.9	18.8	15.3	18.1	18.2	19.5	18.2	18.2	17.9	19.5
	19 ^a	14.1	13.1	13.6	12.6	—	—	—	—	—	17.7	19.6	22.4
	20	17.5	18.2	19.1	17.4	18.3	18.1	19.0	19.2	20.1	19.0	19.4	23.4
	21	-0.4	-1.3	-1.4	-0.3	-1.8	1.0	0.5	2.1	2.3	1.7	1.5	4.4
	22	-2.9	-2.2	0.6	2.4	4.0	4.6	7.8	8.7	11.4	12.0	13.3	15.2
	23	13.0	13.8	16.1	—	—	—	—	—	—	—	—	—
	24	—	—	—	17.6	17.6	16.5	17.1	18.2	19.5	17.4	19.7	20.3
	25	19.3	21.7	20.3	18.3	19.2	20.4	19.9	19.4	18.4	16.2	18.1	17.7
	26	5.4	7.6	9.0	8.7	8.7	8.6	9.4	9.7	10.7	10.0	10.3	9.5
	27	8.5	9.0	6.0	6.3	12.0	3.5	-5.5	-3.0	10.3	9.5	11.7	10.7
	28	22.7	19.4	16.4	23.7	20.2	22.2	19.9	20.7	24.6	25.6	24.7	24.7
	29	15.7	14.7	17.9	15.0	18.1	19.9	20.3	21.4	20.5	24.0	23.2	18.2
	30 ^b	19.9	19.0	17.9	—	—	—	—	—	—	—	—	—
	31 ^b	—	—	—	16.3	17.6	17.6	18.1	18.8	—	18.9	17.0	14.6
Hourly Means	21.16	20.48	19.68	19.73	21.17	22.28	22.48	22.85	23.94	23.00	24.28	26.52	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
DECEMBER.	1	64.2	64.2	—	63.8	63.6	63.4	63.1	62.9	62.6	62.4	62.6	62.2
	2	62.8	62.4	62.0	—	—	—	—	—	—	—	—	—
	3	—	—	—	61.4	61.4	61.2	61.0	60.8	60.8	60.6	60.5	60.4
	4	63.0	63.0	63.0	63.0	62.8	62.5	62.2	62.0	61.6	61.2	61.0	60.8
	5	58.7	58.4	58.2	57.9	57.7	57.4	57.0	57.0	56.5	56.2	56.0	55.6
	6	55.8	55.7	55.7	55.7	55.5	55.4	55.0	54.8	54.5	54.0	54.0	54.0
	7	57.8	57.9	57.8	57.8	58.0	57.8	57.8	57.6	—	—	57.2	57.2
	8	58.8	58.8	58.8	58.8	58.7	58.5	58.3	58.2	—	57.8	57.5	57.5
	9	61.6	61.5	61.5	—	—	—	—	—	—	—	—	—
	10	—	—	—	61.2	60.8	60.4	60.2	60.8	59.8	59.7	59.3	59.0
	11	59.6	59.8	59.8	59.6	59.4	59.2	58.8	58.6	58.0	57.6	57.4	57.4
	12	58.7	58.5	58.3	58.1	58.0	57.5	57.5	57.2	57.4	57.2	56.6	55.8
	13	58.0	58.0	58.0	58.0	58.0	57.8	57.4	57.2	57.2	56.7	56.6	56.5
	14	58.2	58.0	58.0	58.2	58.0	57.9	57.6	57.2	57.4	57.0	56.8	56.4
	15	58.3	58.3	58.2	58.2	—	57.8	57.4	57.0	56.5	56.2	56.0	56.0
	16	60.2	60.2	60.2	—	—	—	—	—	—	—	—	—
	17	—	—	—	60.0	59.8	59.6	59.3	59.0	58.6	58.4	58.0	58.4
	18	63.2	63.1	63.0	63.0	62.6	62.4	62.4	62.4	62.0	61.8	61.6	61.3
	19	63.6	63.5	63.5	63.4	—	—	—	—	—	61.2	61.0	60.8
	20	63.5	63.5	63.6	63.4	62.9	62.7	62.3	62.0	61.5	61.0	60.5	60.5
	21	68.0	68.2	68.4	68.0	68.2	68.0	67.7	67.4	67.4	67.4	67.2	67.4
	22	68.4	67.8	67.2	67.0	66.4	65.8	65.2	64.8	63.8	63.2	62.7	62.3
	23	63.0	63.0	63.0	—	—	—	—	—	—	—	—	—
	24	—	—	—	62.5	62.5	62.2	62.2	62.2	62.0	61.8	61.8	61.8
	25	62.8	62.8	62.8	62.6	62.6	62.6	62.4	62.2	62.2	62.2	62.3	62.4
	26	66.0	66.0	66.0	66.0	65.8	65.4	65.2	64.8	64.4	64.5	64.2	64.5
	27	66.5	66.4	66.0	65.8	65.4	65.2	64.6	64.2	63.8	63.2	62.8	62.2
	28	62.0	61.6	61.4	61.4	61.0	60.7	60.6	60.3	60.0	59.8	59.8	59.6
	29	63.0	61.8	62.8	62.6	62.2	62.0	61.6	61.2	60.8	60.4	60.4	60.0
	30 ^b	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.0	—	62.0	61.8	62.0
	31	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	61.83	61.70	61.55	61.50	61.36	60.98	60.70	60.49	60.40	60.06	59.75	59.60	

^a Not included in the daily means.^b Not included in the means.

VERTICAL FORCE.

One Scale Division = '000035 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fab' = '00021.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 20'5	Sc. Div. 19'1	Sc. Div. 24'0	Sc. Div. 16'9	Sc. Div. 15'4	Sc. Div. 20'1	Sc. Div. 25'1	Sc. Div. 21'3	Sc. Div. 19'9	Sc. Div. 18'2	Sc. Div. 20'6	Sc. Div. 21'0	Sc. Div. 18'82
—	—	—	—	—	—	—	—	—	—	—	—	—
26'6	24'3	20'6	20'6	18'2	18'2	19'9	19'9	23'8	22'7	18'5	16'5	21'26
26'6	28'2	27'2	24'7	26'1	25'5	24'2	26'2	25'7	26'8	27'4	25'8	22'18
43'8	43'1	41'9	42'3	37'2	34'9	36'8	36'3	38'2	37'1	37'9	41'5	37'13
46'5	44'3	44'2	40'5	45'6	47'1	46'4	38'9	38'2	36'2	33'5	34'8	41'37
41'5	41'3	39'9	40'5	32'6	29'3	28'6	30'6	29'4	30'0	30'5	26'4	33'39
34'1	28'3	25'5	23'5	22'5	25'6	23'9	25'3	24'3	24'3	19'7	18'0	26'29
—	—	—	—	—	—	—	—	—	—	—	—	—
33'6	40'6	42'6	41'2	32'5	36'9	38'7	36'4	34'4	33'3	24'0	27'5	27'79
38'9	43'7	42'0	32'8	29'1	33'4	38'5	29'2	31'1	31'1	28'9	29'9	30'75
43'4	42'1	37'9	36'6	34'6	34'2	35'5	35'9	36'6	33'0	32'6	32'6	33'94
38'0	40'3	41'1	40'4	41'4	39'2	34'6	36'5	40'0	37'2	35'8	—	36'41
39'7	37'8	38'2	39'3	36'8	36'8	36'4	36'4	36'6	33'8	32'7	31'5	35'62
39'0	38'8	37'2	34'1	34'4	36'5	33'4	32'9	32'0	33'0	28'5	26'8	33'77
—	—	—	—	—	—	—	—	—	—	—	—	—
32'0	33'8	31'5	28'8	22'3	19'8	18'6	19'9	19'4	18'5	17'8	18'3	25'25
23'7	26'5	31'0	30'2	24'9	18'3	18'7	16'6	15'2	—	15'9	13'9	19'49
25'8	26'9	27'8	21'2	18'6	22'3	18'8	17'9	19'6	16'3	17'3	19'8	—
23'9	27'1	26'8	27'6	24'1	19'7	15'2	13'6	10'1	5'0	3'3	0'7	17'74
3'7	3'9	3'9	6'3	4'7	3'3	3'4	0'5	-1'5	-3'2	-3'8	-3'8	-1'07
18'0	19'9	22'1	24'2	22'3	18'1	20'8	20'8	17'4	17'6	16'7	13'9	12'78
—	—	—	—	—	—	—	—	—	—	—	—	—
25'0	28'4	31'8	29'9	28'0	22'4	19'5	20'0	13'6	13'9	15'5	18'5	19'72
20'1	21'2	22'0	21'4	19'4	14'0	14'0	6'1	2'3	4'5	3'5	—	16'41
9'3	7'7	10'8	14'6	19'0	15'8	10'8	5'0	5'0	2'5	4'4	8'2	9'20
16'2	16'0	18'4	25'3	27'6	23'7	24'1	21'9	19'0	13'3	23'8	22'6	13'79
29'8	26'5	25'6	26'4	27'0	27'0	26'2	24'3	21'0	19'2	17'0	15'7	22'94
19'6	24'0	28'5	33'7	31'7	30'5	26'5	24'0	20'6	20'5	18'6	19'0	21'92
—	—	—	—	—	—	—	—	—	—	—	—	—
17'4	18'4	18'3	—	—	—	—	—	—	—	—	—	—
28'77	29'35	29'70	28'92	27'04	26'10	25'54	23'86	22'88	21'87	20'82	20'83	23'92

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

62'0	61'8	62'0	62'2	62'5	62'6	63'0	63'0	63'0	63'0	63'0	62'8	62'86
—	—	—	—	—	—	—	—	—	—	—	—	—
60'0	60'2	60'6	60'8	61'2	61'8	62'2	62'4	62'6	63'0	63'1	63'2	61'52
60'3	60'2	60'0	60'0	60'0	59'8	59'5	59'8	59'8	59'2	59'0	58'8	60'09
55'6	55'6	55'5	55'6	55'7	55'7	55'8	55'8	55'9	55'9	55'8	55'8	56'47
53'8	53'9	54'2	54'5	55'0	55'2	55'7	56'0	56'4	57'0	57'6	57'7	55'30
57'4	57'4	57'2	57'3	57'8	58'0	58'0	58'2	58'5	58'7	58'8	59'0	57'88
57'7	57'8	57'8	58'0	58'4	58'8	59'2	59'8	60'5	61'0	61'2	61'5	58'88
—	—	—	—	—	—	—	—	—	—	—	—	—
58'7	58'3	58'0	58'2	58'2	58'2	58'2	58'4	58'5	58'8	59'4	59'8	59'80
57'2	57'5	57'7	58'0	58'3	58'5	58'6	58'8	58'9	58'8	59'0	58'8	58'55
55'7	55'5	55'7	55'8	56'4	56'4	56'8	57'0	57'4	57'8	57'8	58'0	57'13
56'2	56'2	56'3	56'2	56'8	56'8	57'0	57'2	57'4	57'6	57'8	—	57'20
56'2	56'2	56'0	66'0	56'5	56'8	57'1	57'4	57'6	57'8	58'0	58'2	57'27
55'7	55'7	55'8	56'4	57'0	57'5	58'4	58'6	59'2	59'6	59'8	60'0	57'55
—	—	—	—	—	—	—	—	—	—	—	—	—
58'2	58'6	59'0	59'8	60'3	61'1	61'7	62'2	62'7	62'9	63'2	63'2	60'19
61'0	61'0	61'2	61'5	62'0	62'2	62'5	62'8	63'0	—	63'7	63'7	62'32
60'8	60'8	61'0	61'2	61'8	62'2	62'5	63'0	63'2	63'5	63'8	63'8	—
60'7	61'1	61'6	62'2	62'8	63'6	64'2	65'0	65'8	66'5	67'0	67'6	63'15
67'2	67'2	67'3	67'5	68'0	68'4	68'5	68'8	68'8	68'8	69'0	68'8	67'98
62'0	62'0	61'8	62'0	62'0	62'2	62'6	62'8	63'0	63'2	63'2	63'2	63'94
—	—	—	—	—	—	—	—	—	—	—	—	—
61'6	61'7	61'8	61'8	61'8	62'0	62'2	62'3	62'5	62'7	62'8	62'8	62'25
62'8	63'2	63'5	64'0	64'5	64'8	65'2	65'5	66'0	66'0	66'0	—	63'54
64'2	64'5	64'7	64'8	65'0	65'3	65'5	65'7	66'0	66'2	66'4	66'5	65'32
61'8	61'8	61'7	63'8	62'0	62'4	62'4	62'4	62'6	62'8	62'4	62'2	63'53
59'4	59'6	60'0	60'2	60'8	61'2	61'8	62'2	62'4	63'0	63'0	63'2	61'04
60'0	60'0	60'0	60'2	60'6	60'8	61'0	61'3	61'7	61'9	62'0	62'1	61'27
62'2	62'2	62'8	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
59'44	59'51	59'62	59'92	60'30	60'49	60'78	61'06	61'40	61'49	61'76	61'77	60'71

January 18th and 19th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0''71.					DECLINATION.					
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
M.	s.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0		75.1	75.2	75.6	76.7	79.6	84.1	87.0	87.7	85.8	84.0	83.3
6	0		74.8	75.1	75.5	77.1	79.9	84.6	87.2	87.6	86.2	83.9	83.2
12	0		75.0	75.4	75.7	77.0	80.4	84.8	87.6	87.5	85.4	83.9	82.8
18	0		75.1	75.6	76.0	77.5	80.8	85.2	88.0	87.8	85.3	83.7	82.6
24	0		75.1	76.0	76.4	77.8	81.3	85.1	87.8	87.4	85.3	83.3	82.7
30	0		74.9	75.6	76.3	78.0	81.6	85.8	87.8	87.1	85.0	83.6	82.6
36	0		74.5	75.7	76.4	78.4	82.2	86.0	87.9	86.9	84.8	83.5	82.6
42	0		74.5	75.6	76.7	78.5	82.5	86.0	87.7	86.4	84.6	83.4	82.7
48	0		74.7	75.6	76.7	79.0	83.1	86.3	87.6	86.3	84.4	83.0	82.6
54	0		75.2	76.1	77.0	79.1	83.5	86.8	87.8	85.9	84.1	83.2	82.7
			One Scale Division = .000120 parts of the H. F.					HORIZONTAL FORCE.					
2	0		74.3	71.5	67.0	66.4	65.7	67.3	67.3	66.0	66.3	63.6	59.8
8	0		74.3	71.1	67.2	66.3	66.0	66.3	67.1	66.2	65.8	62.9	59.8
14	0		73.7	70.3	67.0	66.5	66.7	66.2	67.2	66.8	64.8	62.9	60.0
20	0		71.5	69.9	67.6	66.6	67.0	66.0	67.3	68.6	64.8	63.0	59.7
26	0		73.3	69.1	67.3	66.3	66.7	66.1	66.0	67.5	64.8	61.7	59.9
32	0		73.0	69.0	67.1	66.3	66.7	66.6	66.5	67.6	64.7	62.6	60.0
38	0		72.5	69.0	67.2	66.2	67.0	67.1	65.7	67.3	64.2	61.9	59.8
44	0		71.8	68.5	67.3	66.0	66.8	67.2	65.6	66.7	64.5	61.0	61.0
50	0		71.6	68.4	66.7	65.5	67.0	68.0	65.7	66.7	64.2	59.8	61.7
56	0		71.7	68.0	66.4	65.7	66.8	69.6	66.0	66.3	64.2	60.0	61.0
Thermometer			60.8	61.0	62.0	63.0	64.4	65.2	66.8	68.2	69.8	71.0	72.0
			One Scale Division = .000039 parts of the V. F.					VERTICAL FORCE.					
4	0		48.7	48.3	48.1	43.3	39.9	37.2	31.4	28.8	24.7	22.2	19.7
10	0		48.7	48.3	47.8	42.8	39.9	36.8	31.5	28.8	24.7	22.2	18.9
16	0		48.6	48.7	47.5	42.3	39.5	37.0	31.6	28.2	24.7	21.8	18.2
22	0		48.6	49.0	46.8	41.1	39.2	36.8	30.8	26.8	24.6	20.6	18.2
28	0		48.3	49.2	46.3	40.7	38.9	36.6	30.2	26.0	24.6	21.7	17.5
34	0		48.2	49.2	45.8	40.3	38.9	36.3	29.8	26.0	24.0	20.7	17.3
40	0		48.1	49.0	45.2	40.4	38.5	35.0	30.0	25.8	23.9	20.1	17.0
46	0		48.1	48.9	44.7	39.8	38.2	34.6	29.7	25.5	23.4	19.6	16.2
52	0		48.3	49.1	43.4	39.8	38.0	34.0	29.8	25.5	22.7	19.8	15.2
58	0		48.3	48.8	43.6	40.0	38.0	32.4	29.4	25.0	22.2	19.9	15.1
Thermometer			59.0	60.0	60.2	61.0	62.0	63.0	64.5	65.8	66.5	67.6	68.4
Increasing Numbers denote increasing easterly Declination													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.										
18	10	0	30.090	57.0	53.4	N.N.W.	Light.	0.25	Hazy.				
	11	0	30.073	61.2	55.8	N.N.W.	Moderate.	0.00	Hazy.				
	12	0	30.059	64.2	57.4	N.N.W.	Moderate.	0.00	Fair.				
	13	0	30.020	68.2	59.2	N.N.W.	Moderate.	0.00	Fair; settled weather.				
	14	0	29.990	72.0	60.4	N.N.W.	Fresh.	0.00	Settled weather.				
	15	0	29.969	75.6	61.4	N. by W.	Moderate.	0.00	Clear settled weather.				
	16	0	29.941	75.8	63.5	S.E.	Moderate.	0.00	Clear.				
	17	0	29.915	76.5	63.8	S.E.	Moderate.	0.00	Clear.				
	18	0	29.891	71.0	63.5	S.E.	Moderate.	0.00	Clear.				
	19	0	29.859	76.6	64.6	S.E. by S.	Moderate.	0.25	Fair; hazy.				
	20	0	29.818	77.2	65.4	S.E.	Light.	0.12	Hazy.				
	21	0	29.795	74.5	64.2	S.E.	Light.	0.12	Fair; hazy.				

MAGNETICAL OBSERVATIONS. January 18th and 19th.

DECLINATION. Angular Value of one Scale Division = 0°71.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div. 82°5	Sc. Div. 82°3	Sc. Div. 81°2	Sc. Div. 81°2	Sc. Div. 80°8	Sc. Div. 81°6	Sc. Div. 80°4	Sc. Div. 80°9	Sc. Div. 80°5	Sc. Div. 80°0	Sc. Div. 80°4	Sc. Div. 79°5	Sc. Div. 78°9
82°5	82°1	81°3	81°4	80°8	81°4	80°4	80°9	80°6	80°4	80°5	79°5	78°6
82°5	82°1	81°0	81°2	80°9	80°8	80°4	80°5	80°5	80°0	80°5	79°5	78°4
82°5	82°1	80°9	81°4	81°1	80°5	80°4	80°5	80°6	79°9	80°2	79°4	78°4
82°7	81°7	80°9	81°3	80°7	80°5	80°3	80°6	80°3	80°1	80°3	79°3	78°8
82°1	81°3	81°0	81°3	80°6	80°0	80°5	80°5	80°5	80°0	80°3	79°4	78°5
83°4	81°4	80°9	81°3	80°6	79°9	80°6	80°5	80°4	80°2	79°9	79°4	78°0
82°3	81°2	81°3	81°2	80°5	79°8	80°9	80°6	80°0	80°3	79°7	79°1	77°7
82°5	80°8	81°3	81°0	80°9	79°9	80°9	80°6	80°0	80°1	79°5	79°4	77°4
82°4	80°9	81°4	80°8	81°4	80°2	80°8	80°5	80°0	80°3	79°5	79°2	77°4

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah° = °000234.

60°9	59°1	61°5	60°3	62°4	65°8	64°0	65°0	65°0	66°9	67°9	69°2	70°4
60°5	59°0	61°3	62°1	63°2	65°8	63°4	64°9	65°4	66°7	67°6	69°7	70°3
59°3	60°0	62°2	61°5	63°6	65°4	63°3	64°4	65°2	67°0	67°9	69°9	70°5
59°5	62°4	62°3	61°5	64°1	65°4	63°3	64°4	65°5	67°3	68°2	70°0	70°5
58°6	62°2	62°2	61°8	63°6	64°5	63°4	64°5	65°7	67°7	68°4	70°2	70°4
58°6	61°7	62°0	62°0	63°5	63°1	63°9	64°3	66°1	68°0	68°6	69°7	70°2
58°1	62°2	62°0	61°7	63°1	63°3	64°1	64°6	66°1	68°3	68°7	70°4	70°1
58°2	60°6	62°2	61°7	63°2	63°1	64°4	65°0	66°0	67°9	68°3	70°6	69°8
58°1	61°3	62°4	62°1	64°0	63°2	64°7	65°1	66°3	67°7	68°5	70°7	70°1
58°1	61°5	62°4	62°3	65°3	63°4	65°0	65°0	66°5	68°0	69°0	70°4	70°3
72°6	72°2	72°0	71°5	70°8	70°5	70°0	69°0	68°2	67°6	67°6	66°2	66°0

VERTICAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah° = °00021.

15°2	17°0	11°0	13°3	14°2	12°5	16°4	17°5	18°4	23°1	26°5	27°4	26°0
15°3	17°0	11°6	13°4	13°6	12°0	16°6	17°8	19°0	23°9	26°6	27°4	25°9
15°9	16°1	10°7	14°1	13°6	12°0	16°8	18°1	19°9	24°4	26°7	27°4	25°7
—	14°9	10°6	14°3	12°7	12°5	17°4	18°3	20°8	24°8	27°3	27°4	25°9
17°4	12°3	11°2	14°5	12°5	13°0	17°5	18°1	20°9	24°1	27°6	27°1	26°1
17°0	12°4	11°4	14°6	12°6	13°6	17°5	18°3	20°6	23°8	27°4	27°1	26°7
17°7	12°3	12°6	14°5	13°0	14°5	17°7	18°4	20°3	24°9	27°1	27°6	26°9
17°5	12°7	12°5	14°2	13°9	15°0	17°7	18°3	20°6	25°2	27°4	26°7	26°7
17°8	12°8	12°7	14°2	14°0	15°7	17°5	18°5	21°1	25°6	27°4	26°6	26°9
17°8	11°4	12°5	14°0	13°8	16°2	17°5	18°5	22°1	25°4	27°3	26°6	26°7
69°0	69°6	70°0	70°0	69°8	69°5	69°2	69°0	68°2	67°6	67°6	66°0	65°8

and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
		Dry.	Wet.	Direction.	Force.		
D. H. M.	In.	°	°				
18 22 0	29°773	70°2	61°6	S.E. by S.	Light.	0°12	Cloudy and hazy.
23 0	29°767	67°8	60°4	N.W.	Moderate.	0°00	Thin haze.
19 0 0	29°769	66°8	59°5	—	Calm.	0°12	Clear.
1 0	29°763	66°0	57°2	N.W.	Fresh.	0°00	Clear.
2 0	29°756	65°0	57°0	N.N.W.	Light.	0°25	Cloudy.
3 0	29°732	63°6	56°0	N.W.	Moderate.	0°62	Cloudy, with fresh passing squalls.
4 0	29°699	63°0	54°0	N.W.	Fresh.	0°75	Cloudy, fresh passing squalls.
5 0	29°655	61°6	53°2	N.W.	Fresh.	1°00	Overcast.
6 0	29°632	60°8	52°4	N.W. by W.	Fresh.	1°00	Overcast.
7 0	29°621	60°2	52°2	N.W.	Fresh.	0°62	Hazy.
8 0	29°603	59°5	53°2	N.N.W.	Fresh.	0°00	Fair.
9 0	29°595	60°5	53°8	N.N.W.	Moderate.	0°25	Generally clear.

February 24th and 25th			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'71.					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.	
0	0		80'3	78'8	—	80'9	86'4	89'0	93'6	95'1	93'5	91'7	
6	0		80'3	79'1	79'7	81'4	86'7	89'8	93'9	96'1	93'2	91'4	
12	0		80'0	78'5	77'7	82'8	86'9	90'4	94'0	95'3	93'1	91'2	
18	0		80'2	77'9	79'2	84'0	86'3	90'5	93'9	95'5	92'9	91'1	
24	0		80'8	76'9	79'2	84'2	87'3	91'6	93'7	95'3	92'8	90'6	
30	0		79'8	76'5	79'6	84'4	87'0	91'5	94'2	94'8	92'5	90'2	
36	0		79'0	77'3	79'8	84'7	87'5	91'9	94'5	94'7	92'2	90'2	
42	0		78'5	77'3	80'3	84'9	87'6	92'9	94'5	94'8	92'2	90'0	
48	0		77'7	77'7	79'3	85'7	88'0	93'1	94'6	94'6	91'9	89'9	
54	0		78'8	78'1	80'1	85'5	88'4	93'0	95'0	93'9	91'7	89'9	
M. s.			One Scale Division = '000120 parts of H. F.					HORIZONTAL FORCE.					
			52'2	52'1	47'5	43'7	50'0	53'9	55'0	56'3	59'1	63'5	63'6
8	0		—	52'4	45'1	44'4	49'6	54'0	56'1	55'4	59'2	63'5	
14	0		51'9	50'9	44'8	43'8	48'9	56'0	56'0	52'2	59'6	62'8	
20	0		52'3	50'2	44'5	45'7	49'5	56'2	55'6	51'3	61'4	62'2	
26	0		52'0	49'6	45'1	46'4	49'9	56'0	55'3	52'6	61'9	61'8	
32	0		52'6	48'9	45'2	47'0	50'4	53'6	56'6	55'7	62'5	61'5	
38	0		52'7	48'7	44'7	46'9	51'5	52'6	56'5	58'4	62'3	61'8	
44	0		51'9	48'3	45'1	47'1	51'2	55'0	57'2	60'6	62'3	63'0	
50	0		52'2	47'3	45'4	47'5	53'6	54'0	56'4	59'6	63'1	63'1	
56	0		51'8	47'5	45'9	49'2	52'2	55'0	56'8	59'6	64'2	63'3	
Thermometer			69'2	69'2	69'4	69'4	69'4	68'8	68'8	68'6	68'4	68'8	68'6
M. s.			One Scale Division = '000037 parts of V. F.					VERTICAL FORCE.					
			41'6	40'9	44'6	45'6	40'9	37'0	41'1	46'2	40'4	33'6	35'1
10	0		42'0	40'0	44'4	45'9	40'7	36'4	40'4	47'2	39'9	33'6	
16	0		42'0	39'4	44'8	46'4	40'0	37'0	40'4	49'3	39'1	34'1	
22	0		42'0	39'4	45'8	45'8	39'6	37'2	41'7	50'1	37'6	33'8	
28	0		42'0	39'6	46'9	44'4	40'0	37'6	42'2	49'9	36'3	35'1	
34	0		40'9	40'2	46'0	44'0	39'1	38'9	43'0	48'6	36'1	35'1	
40	0		39'7	40'9	45'4	44'0	38'1	40'2	43'0	45'9	34'9	35'6	
46	0		39'9	41'8	44'9	43'8	37'4	40'2	43'4	43'2	34'9	34'9	
52	0		39'9	42'2	44'5	43'5	37'1	40'0	44'1	41'3	33'6	34'9	
58	0		40'0	43'9	44'7	42'7	36'8	40'4	45'5	40'9	33'6	35'1	
Thermometer			67'4	67'5	67'6	67'6	67'6	67'5	67'4	67'0	67'2	67'2	67'2
Increasing Numbers denote increasing easterly Declination.													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°								
24	10	0	29'323	64'0	62'0	W. by N.	Light.	1'00	Overcast.				
	11	0	29'325	65'2	63'5	—	Calm.	1'00	Very gloomy, with appearance of rain.				
	12	0	29'289	66'0	63'5	—	Calm.	1'00	Overcast, appearance of rain.				
	13	0	29'299	65'2	64'2	N.W. by N.	Light.	1'00	Overcast; rain set in.				
	14	0	29'307	65'4	63'0	N.N.W.	Moderate.	1'00	Overcast; light rain continuing.				
	15	0	29'298	65'5	62'5	N.W.	Very Light.	1'00	Overcast; rain ceased.				
	16	0	29'293	65'8	62'3	N.W.	Light.	1'00	Overcast.				
	17	0	29'287	66'2	62'6	N. by W.	Light.	0'75	Fair.				
	18	0	29'288	67'5	61'2	E. by S.	Light.	0'75	Inclined to rain.				
	19	0	29'295	65'0	60'0	E.	Light.	1'00	Clouds breaking.				
	20	0	29'312	64'2	58'9	E.	Light.	1'00	Clouds broken, with indications of fine weather.				
	21	0	29'328	64'0	58'6	—	Calm.	0'88	Blue sky appearing.				

MAGNETICAL OBSERVATIONS. February 24th and 25th.

DECLINATION.												
Angular Value of one Scale Division = 0°71.												
21 ^h .	22 ^h .	23 ^h .	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^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.
87°7	86°5	86°8	82°4	84°6	85°2	85°0	84°8	84°4	83°7	83°7	84°1	82°1
87°7	86°4	86°7	81°7	84°7	85°1	85°2	85°0	84°2	83°7	83°9	84°6	82°9
87°3	86°4	86°8	81°7	85°0	85°2	85°2	85°0	84°2	83°8	83°9	84°8	83°3
87°3	86°3	86°5	82°4	85°0	85°2	85°2	84°8	83°7	84°1	83°9	84°0	82°8
87°1	86°2	86°5	83°4	85°1	85°2	85°2	84°7	84°1	83°8	83°9	84°0	82°6
87°1	86°4	86°4	83°9	85°1	85°2	85°1	84°5	84°2	83°6	83°9	83°6	82°5
87°1	86°8	86°4	84°3	85°1	85°2	85°2	84°7	84°2	83°7	83°9	83°4	81°7
87°1	86°7	86°4	84°2	85°1	85°2	85°0	84°7	84°3	83°6	83°9	83°5	82°0
86°9	86°4	85°8	84°4	85°0	85°0	85°0	84°5	84°3	83°6	83°5	83°3	81°8
86°7	86°6	83°9	84°4	85°0	85°2	85°1	84°5	84°0	83°8	83°6	83°0	82°2

HORIZONTAL FORCE.												
Change in the Magnetic moment of the Bar for 1° Fah°. = °000234.												
64°2	65°4	65°5	67°4	65°2	68°9	68°1	69°8	69°8	70°2	70°6	72°2	72°9
64°3	64°8	65°8	67°2	65°9	68°2	68°1	69°9	70°3	70°4	70°8	73°1	74°1
64°2	64°2	65°8	66°4	66°6	67°2	68°1	70°2	69°6	70°4	71°1	72°5	74°2
63°3	64°4	65°3	65°5	66°2	68°0	68°1	69°4	69°5	70°2	71°8	72°9	74°2
64°3	64°5	65°1	64°9	66°9	68°7	68°4	70°3	69°9	70°5	71°4	72°7	74°7
65°0	64°0	64°7	64°1	66°8	68°6	68°6	70°2	69°8	70°3	71°9	73°0	74°5
64°7	64°2	65°1	64°5	67°9	68°7	69°0	70°4	70°2	70°0	72°2	73°0	74°7
64°7	65°5	64°8	65°3	68°6	68°8	69°0	70°0	70°1	70°1	72°0	73°0	73°9
64°1	64°8	65°7	65°2	68°3	68°1	69°2	69°5	70°2	70°2	71°9	73°0	73°8
64°4	65°5	66°3	65°0	68°4	68°5	69°6	69°5	70°5	70°4	72°0	72°8	73°8
68°2	67°8	67°4	67°4	66°0	65°2	65°0	65°0	64°6	64°2	63°5	63°0	63°0

VERTICAL FORCE.												
Change in the Magnetic moment of the Bar for 1° Fah°. = 00021.												
36°5	37°0	37°9	34°8	43°6	45°4	46°5	49°3	47°9	49°7	52°2	54°0	51°9
36°5	38°0	37°4	34°8	44°3	45°5	46°7	49°2	48°3	50°0	52°5	53°8	51°2
36°2	37°8	37°2	35°5	44°5	45°5	47°2	48°1	48°8	50°6	52°3	52°4	50°2
36°7	37°8	38°3	37°8	44°5	46°1	47°2	47°9	49°0	50°3	52°3	52°4	50°1
36°7	37°9	38°4	39°4	44°5	45°9	47°6	47°4	49°0	50°6	52°0	52°1	49°2
36°2	38°8	39°3	41°2	44°5	45°9	48°1	46°4	49°5	50°8	52°6	51°8	48°6
36°1	38°5	39°5	42°2	44°8	46°1	48°5	46°1	49°8	51°1	52°8	51°4	48°2
36°2	37°9	39°3	42°3	44°8	46°1	48°6	46°2	49°5	51°7	52°7	51°1	48°9
37°3	38°5	37°6	42°6	44°8	46°5	49°1	46°8	49°7	52°4	53°1	50°8	49°3
37°5	38°0	35°9	43°2	45°2	46°5	48°8	47°4	49°7	52°4	52°9	51°5	49°3
67°0	66°6	66°5	66°5	65°4	65°0	64°5	64°0	63°8	63°4	63°0	62°6	62°4

and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
		Dry.	Wet.	Direction.	Force.		
D. H. M.	In.	°	°				
24 22 0	29°342	63°0	58°4	—	Calm.	0°75	Clouds gradually clearing away.
23 0	29°377	60°8	56°4	—	Calm.	0°25	Fair.
25 0 0	29°380	58°5	55°3	—	Calm.	0°13	Fair.
1 0	29°370	56°0	52°6	—	Calm.	0°00	Fair.
2 0	29°355	55°0	52°4	—	Calm.	0°00	Fair, damp atmosphere.
3 0	29°329	52°9	50°2	—	Calm.	0°00	Fair.
4 0	29°341	52°2	49°8	—	Calm.	0°00	Fair, very damp atmosphere.
5 0	29°338	51°8	50°5	N.W. by W.	Light.	0°00	Light haze scattered.
6 0	29°326	51°8	50°4	N.W.	Light.	0°50	Thin watery clouds spreading, and damp atmosphere.
7 0	29°344	51°2	50°0	—	Calm.	0°50	Misty atmosphere.
8 0	29°344	51°0	50°0	—	Calm.	0°50	Misty atmosphere.
9 0	29°336	51°0	50°0	—	Calm.	0°75	Misty.

March 22d and 23d.		MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.		Angular Value of One Scale Division = 0'71.					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	87'9	86'3	84'2	85'6	89'4	93'1	96'7	98'1	98'7	96'3	95'5
6	0	87'8	85'6	84'4	86'1	90'1	93'4	96'9	98'1	98'8	96'1	95'6
12	0	88'0	85'4	84'5	86'6	90'2	93'7	97'5	97'9	99'0	96'0	95'5
18	0	88'0	85'3	84'4	87'0	90'8	93'9	98'0	98'2	99'6	95'5	95'0
24	0	87'6	84'7	84'4	87'5	91'3	94'4	97'9	98'2	99'3	95'5	94'1
30	0	87'3	85'3	85'1	87'2	91'6	95'0	97'8	98'4	99'4	95'0	94'0
36	0	87'2	84'8	84'6	87'5	91'8	95'2	97'9	98'3	98'8	95'3	93'9
42	0	86'8	84'2	84'5	88'0	91'8	95'7	98'4	98'2	97'8	95'7	93'4
48	0	86'8	84'3	85'2	87'9	92'4	96'2	98'7	99'1	97'5	95'5	93'3
54	0	86'0	84'2	84'8	88'8	92'6	96'4	98'5	99'0	97'2	95'7	93'8
M. S.		One Scale Division = '000120 parts of the H. F.					HORIZONTAL FORCE.					
2	0	74'5	75'3	72'1	67'8	61'6	62'9	63'6	66'0	62'8	60'1	62'1
8	0	74'3	75'5	72'0	66'9	61'6	63'3	63'8	65'3	64'8	60'3	62'0
14	0	74'5	75'2	72'1	66'5	61'7	63'0	64'8	64'9	65'8	61'2	59'6
20	0	75'0	75'2	71'8	65'9	62'4	64'2	65'0	65'9	66'0	61'5	63'8
26	0	75'2	74'5	71'6	65'0	63'3	64'5	65'0	66'3	65'6	61'3	58'0
32	0	75'1	74'6	71'4	63'7	63'2	64'3	64'3	65'8	64'9	61'0	58'7
38	0	75'6	74'0	70'9	62'5	62'3	63'5	65'0	65'4	62'5	62'5	58'9
44	0	75'4	73'3	70'3	60'5	63'7	64'1	66'5	67'2	60'7	63'0	61'3
50	0	75'2	72'6	69'5	60'3	63'4	64'3	66'1	67'6	60'9	62'0	63'6
56	0	75'4	72'3	67'9	61'3	62'3	63'6	65'0	63'2	60'1	62'5	62'6
Thermometer		61'2	61'2	61'3	62'2	63'2	65'0	66'0	68'0	68'4	70'0	72'0
M. S.		One Scale Division = '000040 parts of the V. F.					VERTICAL FORCE.					
4	0	57'2	55'0	56'9	56'7	58'3	48'3	39'7	34'5	33'9	31'5	27'7
10	0	57'5	55'0	56'8	57'8	56'8	47'1	39'6	34'5	33'0	30'7	27'4
16	0	57'5	55'0	56'8	58'2	55'7	46'4	39'3	34'2	33'0	29'6	28'3
22	0	56'6	54'6	56'2	58'2	54'8	45'1	38'8	33'9	32'1	29'0	27'8
28	0	57'3	54'6	55'6	58'1	53'3	44'2	37'6	32'0	32'1	27'9	28'3
34	0	57'1	55'3	55'4	58'5	51'7	43'0	37'8	32'1	32'1	28'6	28'3
40	0	55'9	55'3	54'9	58'5	51'2	42'5	37'9	32'1	32'1	28'6	27'8
46	0	55'9	55'7	54'9	59'1	50'3	41'5	37'2	31'7	32'5	27'0	26'1
52	0	55'9	56'2	55'6	59'5	49'2	41'1	35'4	31'4	32'5	27'4	24'1
58	0	55'9	56'1	56'3	59'0	49'0	40'2	35'2	32'2	31'1	27'4	22'9
Thermometer		60'0	60'2	60'6	61'6	62'2	63'4	64'0	66'0	67'0	67'0	67'8

Increasing Numbers denote increasing easterly Declination,

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky	Weather.
				Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.						
22	10	0	29'736	53'5	51'5	N.W.	Moderate.	0'00	{ Fair ; a cirrus haze gradually spreading over the sky.
	11	0	29'736	56'5	53'1	N.W.	Fresh.	0'00	Fair; much haze.
	12	0	29'731	60'0	54'0	N.W.	Fresh.	0'00	Fair.
	13	0	22'735	64'0	56'0	N.N.W.	Fresh.	0'00	Fair, with haze.
	14	0	29'699	68'0	57'8	N.N.W.	Fresh.	0'00	Fair, with cirrus haze.
	15	0	29'672	72'5	60'6	N.W. by N.	Moderate.	0'00	Fair, with cirrus haze.
	16	0	29'642	76'0	63'0	W.N.W.	Moderate.	0'00	Fair; hazy.
	17	0	29'620	78'8	63'6	—	Calm.	0'00	Hazy.
	18	0	29'591	80'4	63'3	N.	Fresh, hot.	0'00	Hazy, with squalls.
	19	0	29'569	79'8	61'7	N.	Fresh.	0'00	Hazy ; hot, sultry atmosphere.
	20	0	29'578	77'5	61'1	N.	Fresh.	0'00	{ Sky covered with a complete haze ; sultry atmosphere.
	21	0	29'583	73'8	60'4	N.	Fresh.	0'00	Hazy.

MAGNETICAL OBSERVATIONS.												March 22d and 23d.	
DECLINATION.												Angular Value of One Scale Division = 0'71	
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.	
94°0	91°6	90°7	90°0	89°9	89°5	87°4	89°1	90°2	90°5	91°0	90°3	88°2	
93°8	91°4	—	90°0	90°2	90°0	88°0	89°3	90°3	92°5	92°0	90°2	88°7	
93°9	91°0	90°5	90°4	89°6	89°9	88°5	89°5	90°8	93°5	92°5	89°9	88°6	
93°4	90°9	90°1	90°2	89°2	89°1	89°1	89°4	91°3	93°9	92°6	89°5	88°4	
93°7	91°0	90°2	90°1	88°9	89°1	89°3	91°3	91°4	93°0	93°0	89°7	88°6	
93°6	91°2	90°4	90°2	88°8	89°4	90°0	91°9	91°8	92°4	93°0	89°3	88°7	
93°0	91°0	89°4	90°3	88°2	89°5	90°5	91°2	91°1	91°6	92°6	88°8	88°7	
92°6	90°7	90°1	89°8	88°7	89°5	90°0	90°1	91°1	90°3	91°7	88°7	88°7	
92°4	90°7	90°1	89°8	89°0	88°5	89°4	89°7	90°4	89°9	91°3	88°6	88°3	
92°1	90°8	89°8	89°9	89°7	87°3	89°0	89°8	90°5	90°0	90°5	88°5	88°1	

HORIZONTAL FORCE.												Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.	
61°2	59°9	63°1	61°6	62°3	59°7	63°5	62°4	64°6	66°0	60°7	65°4	63°5	
62°7	60°0	62°8	61°9	61°1	60°2	62°0	61°7	64°9	67°5	60°4	65°4	63°5	
61°6	61°0	62°5	61°6	60°6	61°0	61°1	61°6	65°1	68°1	60°0	65°6	63°3	
59°6	62°1	62°8	62°0	60°7	61°0	61°5	61°4	65°3	68°6	60°3	65°8	63°4	
57°6	61°6	62°5	62°6	61°3	60°7	61°5	63°2	65°7	68°8	61°2	66°2	63°1	
57°9	62°4	62°5	64°0	60°3	61°3	62°6	64°5	65°6	67°2	61°5	66°0	63°2	
58°8	61°9	62°8	62°8	59°9	62°1	63°9	64°9	66°6	66°7	62°1	65°1	63°3	
58°6	62°6	62°0	62°0	59°1	63°2	63°2	65°0	67°4	66°0	62°2	64°6	63°6	
59°0	63°8	62°2	61°7	58°9	63°6	62°8	64°8	65°3	65°7	63°7	63°9	64°3	
59°9	63°4	62°3	62°1	59°5	64°8	62°4	64°5	65°3	63°0	64°4	63°5	63°4	
72°8	72°8	72°2	72°0	71°8	71°6	71°2	70°8	70°2	70°0	69°8	69°8	69°8	

VERTICAL FORCE.												Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.	
23°0	23°0	15°8	17°5	25°1	27°8	18°2	25°7	26°5	26°3	27°0	19°9	26°7	
22°3	22°0	15°7	18°6	26°5	27°8	20°9	27°2	27°4	27°3	29°2	19°7	27°6	
22°0	20°4	16°8	19°3	26°9	25°5	23°5	28°7	27°2	26°3	29°7	19°5	28°4	
23°4	19°7	16°8	20°0	25°9	25°5	23°5	30°4	26°7	24°5	29°1	20°5	29°0	
24°8	20°1	16°3	21°3	26°2	26°1	23°5	31°1	27°2	22°3	29°0	20°4	28°0	
25°5	18°6	16°7	20°5	25°6	25°5	23°3	29°3	26°6	22°0	27°6	19°5	27°9	
25°4	17°3	16°3	21°0	26°4	25°5	23°1	27°6	26°6	21°2	26°1	20°4	28°2	
24°9	17°3	16°9	22°4	28°0	22°7	22°8	26°4	25°0	20°7	24°1	22°1	28°6	
24°6	15°7	16°8	23°8	28°5	19°5	23°7	26°6	25°8	21°0	22°6	23°9	29°4	
23°3	15°4	17°3	24°9	28°6	17°2	24°2	27°1	26°3	23°7	20°7	24°9	30°4	
70°0	70°2	71°4	70°6	70°6	70°4	70°0	70°5	69°6	69°6	69°6	69°8	69°0	

and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.											
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.		
				Dry.	Wet.	Direction.	Force.				
D.	H.	M.	In.	°	°						
	22	0	29°611	71°8	59°4	N.N.W.	Fresh.	1°00	Overcast.		
	23	0	29°630	70°6	58°3	N.N.W.	Fresh.	0°00	Hazy; a few stars visible.		
23	0	0	29°641	69°5	55°8	N.N.W.	Moderate.	0°00	Hazy; a few stars only visible in zenith.		
	1	0	29°633	68°4	57°8	N.N.W.	Fresh.	1°00	Overcast, with small rain; warm and sultry.		
	2	0	29°630	67°2	57°2	N.W.	Light.	0°50	Partially clear, with haze; stars showing indistinctly; sultry.		
	3	0	29°637	65°0	55°7	—	Calm.	0°00	Thin haze; stars seen indistinctly; sultry and oppressive.		
	4	0	29°648	63°8	55°8	—	Calm.	0°00			
	5	0	29°656	62°2	59°0	—	Calm.	1°00	Overcast, light rain commencing.		
	6	0	29°648	61°5	59°0	—	Calm.	1°00	Overcast, passing showers.		
	7	0	29°642	60°5	57°3	N.W.	Very Light.	1°00	Gloomy, with constant rain.		
	8	0	29°618	60°4	57°3	N.W.	Fresh.	1°00	Overcast, with passing showers; unsettled.		
	9	0	29°624	60°2	57°2	S. E.	Moderate.	1°00	Overcast, with appearance of rain.		

April 19th and 20th.		MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.		Angular Value of one Scale Division = 0''71.					DECLINATION.					
		10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
M.	s.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
2	0	89'4	88'0	86'9	86'4	87'6	90'3	93'7	96'1	95'8	93'9	92'5
7	0	89'3	88'2	86'8	86'3	87'8	90'8	93'8	96'2	95'4	93'9	92'4
12	0	89'2	88'2	86'7	86'3	88'0	91'2	94'1	95'9	95'1	93'7	92'3
17	0	89'1	88'2	86'7	86'7	88'3	91'4	94'5	95'9	95'1	93'5	92'2
22	0	89'1	88'1	86'6	86'7	88'3	91'8	94'7	96'0	94'9	93'5	92'1
27	0	89'0	87'6	86'4	86'3	88'5	91'8	95'0	96'1	94'5	93'3	92'3
32	0	88'8	87'7	86'4	86'6	88'9	91'9	95'1	96'3	94'4	93'2	92'3
37	0	88'8	87'5	86'3	86'9	89'2	92'9	94'7	96'3	94'2	93'0	92'3
42	0	88'6	87'4	86'2	87'0	89'4	93'2	95'3	95'9	94'3	92'9	92'0
47	0	88'6	87'3	86'2	87'2	89'5	93'6	95'0	95'9	93'9	92'7	92'0
52	0	88'3	87'2	86'2	87'2	89'8	93'5	95'5	96'1	93'9	92'6	91'3
57	0	88'2	87'2	86'2	87'4	90'0	93'3	95'9	96'1	93'9	92'6	91'4

M. s.		One Scale Division = '000120 parts of the H. F.					HORIZONTAL FORCE.					
		10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
4	0	84'3	83'3	80'9	78'1	75'4	73'3	70'7	72'7	70'3	70'9	72'3
9	0	84'2	83'2	80'7	77'6	75'2	74'0	71'0	72'5	70'6	70'8	72'2
14	0	84'0	83'1	80'4	77'7	75'2	74'0	71'2	72'4	71'3	70'9	72'1
19	0	84'0	83'0	80'2	77'6	75'3	74'0	71'3	72'7	70'8	71'3	72'3
24	0	83'8	82'7	80'0	77'4	74'3	73'5	71'6	73'5	70'8	71'5	72'5
29	0	83'8	82'6	79'5	77'2	74'3	73'5	71'5	74'2	71'0	71'6	72'5
34	0	83'8	82'3	79'2	76'7	74'3	73'5	71'6	74'0	70'5	71'7	72'5
39	0	83'6	82'1	78'9	76'7	74'3	73'3	71'7	72'5	70'1	71'6	72'2
44	0	83'8	81'8	78'8	76'5	74'0	73'5	72'3	71'6	70'4	71'7	72'2
49	0	83'7	81'5	78'6	76'2	73'8	73'3	72'8	70'7	70'4	71'9	72'0
54	0	83'8	81'2	78'3	76'1	73'7	72'2	72'6	70'8	70'5	72'1	71'5
59	0	83'7	81'0	78'1	75'6	73'6	70'8	73'0	70'7	70'8	72'1	72'3

Thermometer	58'4	58'5	58'6	58'8	59'4	60'4	61'3	62'6	63'6	64'0	65'0
-------------	------	------	------	------	------	------	------	------	------	------	------

M. s.		One Scale Division = 000040 parts of V.F.					VERTICAL FORCE.					
		10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
0	0	64'7	62'1	62'0	62'3	61'4	63'9	64'3	62'3	61'9	55'9	48'7
5	0	64'6	62'1	61'9	62'1	61'6	63'9	65'6	61'8	61'2	55'4	48'2
10	0	63'8	62'1	62'0	62'5	61'6	64'2	65'2	61'1	60'4	54'6	48'2
15	0	63'2	62'1	62'0	62'4	62'2	64'2	65'1	61'5	60'0	53'8	48'2
20	0	63'1	61'9	62'2	62'2	62'2	64'2	65'1	60'9	59'5	53'2	47'7
25	0	63'1	62'0	62'0	61'8	62'5	63'9	64'8	60'9	58'5	52'4	47'7
30	0	63'0	62'1	62'1	61'5	63'2	64'1	64'1	60'4	58'5	51'5	47'7
35	0	62'6	62'2	62'1	61'5	63'2	64'1	62'5	60'0	58'0	51'0	47'3
40	0	62'6	62'5	61'9	61'2	63'6	64'1	62'8	59'5	57'5	50'5	47'3
45	0	62'6	61'9	62'2	61'4	63'6	64'6	61'7	60'5	57'4	49'9	47'3
50	0	62'1	62'0	62'4	61'4	63'6	63'3	61'6	60'8	57'0	49'6	47'5
55	0	62'0	62'0	62'5	61'0	63'9	64'3	62'1	61'2	56'5	49'1	47'5

Thermometer	57'4	58'0	58'2	57'8	59'0	59'0	59'5	60'4	61'4	62'0	62'8
-------------	------	------	------	------	------	------	------	------	------	------	------

Increasing Numbers denote increasing easterly Declination

METEOROLOGICAL OBSERVATIONS.											
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.		
				Dry.	Wet.	Direction.	Force.				
D.	H.	M.	In.	°	°						
19	10	0	29'786	51'2	49'9	N.	Light	1'00	Overcast, with damp atmosphere.		
	11	0	29'788	52'8	51'4	N.	Moderate	1'00	Overcast and gloomy.		
	12	0	29'763	55'6	53'0	N.W. by N.	Fresh	0'75	Partially clear.		
	13	0	29'746	57'8	54'5	N.W. by N.	Fresh	0'38	Partially clear.		
	14	0	29'721	62'5	57'5	N.W. by N.	Fresh	0'25	Partially clear.		
	15	0	29'677	64'7	58'8	N.W.	Moderate	1'00	Overcast; a thin stratum of Clouds.		
	16	0	29'644	67'5	60'0	N.W.	Moderate	1'00	Overcast; a thin stratum of Clouds.		
	17	0	29'616	69'6	60'4	N.W.	Fresh; squally	1'00	Overcast, with broken clouds; squally.		
	18	0	29'610	68'6	59'4	N.W.	Fresh; hot	1'00	Overcast and gloomy.		
	19	0	29'586	68'2	59'0	N.W.	Fresh; squally	0'75	Squally and threatening.		
	20	0	29'578	66'5	58'5	N.W. by N.	Fresh; squally	0'38	Partially clear.		
	21	0	29'572	64'8	56'6	N.W. by N.	Fresh; squally	0'25	Partially clear.		

MAGNETICAL OBSERVATIONS.												
April 19th and 20th.												
DECLINATION.						Angular Value of one Scale Division = 0'71.						
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.
91'5	90'5	90'1	89'3	89'1	89'0	89'0	89'2	89'2	90'2	91'5	91'2	91'0
91'6	90'4	89'9	89'3	88'9	89'3	89'2	89'3	89'8	89'8	91'4	91'1	91'2
91'6	90'5	89'4	89'2	89'0	89'5	89'3	89'4	90'1	91'4	91'1	91'1	90'7
91'3	90'2	89'6	89'1	88'8	89'8	89'4	89'6	90'4	90'8	91'1	90'5	90'0
91'4	90'2	89'5	89'6	88'6	91'0	89'4	89'7	90'4	91'2	91'0	90'4	89'9
91'0	90'0	88'9	89'4	88'4	91'1	89'7	89'8	90'6	91'4	90'8	90'5	89'8
90'6	90'0	88'6	89'6	88'7	91'2	89'7	89'8	90'7	91'2	90'6	90'7	89'7
90'5	90'1	88'5	89'6	88'6	91'2	89'7	89'7	90'5	90'8	90'7	90'6	89'6
90'0	90'1	88'4	89'9	88'6	88'9	89'5	89'7	90'7	90'6	90'9	90'8	89'6
89'9	90'2	88'7	90'0	88'7	88'0	90'0	89'9	91'1	90'7	90'9	91'0	89'5
90'3	90'2	89'4	90'1	88'3	88'6	90'2	89'9	91'2	90'6	91'0	91'0	89'5
90'3	90'4	90'1	89'6	88'6	88'8	89'8	89'7	91'2	90'9	90'9	90'8	89'5

HORIZONTAL FORCE.												
Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.												
72'1	72'6	72'1	70'3	72'2	73'5	73'6	73'4	70'7	71'5	72'5	74'3	74'9
72'1	72'5	71'7	70'3	72'0	73'4	73'6	73'3	70'5	71'7	71'8	73'4	75'2
72'2	72'4	71'4	71'1	71'5	73'0	73'7	73'1	70'5	71'6	72'0	73'5	75'5
72'2	72'1	71'6	71'5	71'9	74'2	73'8	72'3	70'4	71'3	72'3	73'5	75'5
72'1	71'8	71'3	70'9	71'7	75'2	73'6	71'8	70'5	71'2	72'6	73'5	75'4
72'1	71'8	71'2	70'7	71'8	75'6	74'4	71'6	70'4	71'1	72'6	73'7	75'8
72'0	72'0	71'1	70'4	72'2	74'8	74'1	71'5	70'6	71'1	72'7	73'8	75'7
71'5	71'9	71'4	70'8	71'5	74'0	73'2	71'3	70'4	71'5	73'1	74'2	75'7
71'5	72'2	71'7	71'3	72'2	74'0	72'7	71'2	70'7	71'7	73'3	74'2	75'7
72'2	72'5	71'5	70'9	72'2	73'6	73'5	71'0	70'8	72'2	73'4	74'4	75'8
72'3	72'5	71'4	70'7	72'9	73'8	73'8	70'7	71'2	72'3	73'2	74'6	75'9
72'7	72'5	71'3	71'2	73'1	74'0	73'4	70'7	71'5	72'9	73'7	75'0	75'9
65'0	65'6	65'4	65'2	65'0	65'0	64'8	64'8	65'2	65'2	64'5	64'2	64'2

VERTICAL FORCE.												
Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.												
47'2	45'4	46'8	48'2	49'7	48'4	47'7	49'0	50'1	49'6	49'7	49'6	49'4
47'2	45'8	46'8	48'2	49'7	48'7	48'0	49'0	50'0	48'8	49'5	49'9	49'3
47'2	45'7	46'8	49'5	49'1	48'8	48'2	49'9	49'7	48'6	49'6	49'6	49'2
46'1	45'5	47'7	49'4	49'0	49'0	48'2	50'3	49'9	48'1	50'2	50'0	49'0
46'1	45'3	47'9	49'5	49'0	49'0	48'2	50'1	49'7	48'1	50'4	50'0	49'0
45'8	46'0	47'5	49'5	48'8	49'0	48'2	50'3	49'8	48'4	50'2	50'0	49'0
46'2	46'8	47'6	49'8	49'1	48'4	48'6	50'5	49'9	48'8	50'0	50'0	49'0
45'1	46'4	47'5	50'0	49'2	47'7	48'6	50'6	49'1	49'0	50'0	49'6	49'2
45'1	46'5	48'2	50'6	48'6	46'8	48'6	50'6	49'5	49'1	50'2	49'6	49'5
45'1	46'7	48'5	50'2	49'0	46'1	48'6	50'5	49'9	49'2	50'0	49'6	49'5
45'4	46'5	48'5	50'6	48'7	46'1	49'6	50'5	49'6	49'2	49'9	49'4	49'5
45'4	46'9	48'6	50'1	48'5	47'0	49'5	50'1	49'6	49'4	49'9	49'4	49'5
63'0	63'2	63'2	63'2	63'2	63'2	63'2	63'0	63'6	63'8	63'2	62'8	62'6

and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.					
		Dry.	Wet.	Direction.	Force.							
D. H. M.	In.	63'3	56'2	N.W.	Moderate.	0'00	Clear.					
19 22 0	29'566	62'0	55'5	N.W.	Fresh (gusty)	0'00	Much haze.					
23 0	29'561	61'8	55'4	N.W.	Fresh.	0'25	Hazy, with squally clouds.					
20 0 0	29'550	61'5	55'4	N.W. by N.	Moderate.	0'50	Partially clear; moon rising.					
1 0	29'532	60'5	54'7	—	Nearly calm.	0'50	Partially clear.					
2 0	29'533	60'2	55'1	—	Nearly calm.	1'00	Overcast.					
3 0	29'529	59'4	56'5	E.S.E.	Light.	1'00	Overcast.					
4 0	29'506	57'6	55'4	E.	Light.	0'50	Partially clear, with squally clouds.					
5 0	29'486	55'6	53'6	E. by S.	Light.	0'75	Partially clear, and watery clouds.					
6 0	29'491	54'8	53'2	E.S.E.	Light.	0'38	Clear.					
7 0	29'498	54'8	51'9	N.N.W.	Light.	0'38	Clear.					
8 0	29'484	54'2	50'0	—	Nearly calm.	0'00	Fair.					
9 0												

May 26th and 27th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'71.					DECLINATION.					
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
M.	S.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
2	0		91'9	91'0	90'2	89'6	91'2	93'3	95'4	96'3	96'1	93'8	
7	0		93'8	91'1	90'4	89'6	91'4	93'5	95'3	96'4	96'0	93'8	
12	0		95'7	91'5	90'1	89'8	91'5	93'5	95'9	96'5	95'9	93'5	
17	0		95'2	92'0	89'8	90'5	91'5	93'6	95'8	96'5	95'8	93'2	
22	0		93'8	91'7	89'2	90'4	91'4	94'0	96'0	96'6	95'6	93'0	
27	0		92'6	92'1	89'8	90'5	92'0	94'3	96'0	96'6	95'2	92'9	
32	0		91'2	91'3	89'7	90'7	92'0	94'6	96'0	96'6	94'9	92'9	
37	0		90'5	91'6	90'5	90'8	91'9	94'7	96'1	96'5	94'9	92'8	
42	0		90'2	90'9	90'0	90'7	92'4	94'8	96'1	96'6	94'7	92'4	
47	0		89'4	92'0	89'8	90'9	92'5	95'1	96'1	96'4	94'2	92'2	
52	0		90'0	91'7	89'9	91'0	92'7	95'1	96'5	96'2	94'1	92'2	
57	0		90'9	90'3	89'4	91'3	93'0	95'3	96'2	96'2	93'9	92'2	
			One Scale Division = '000120 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
4	0		93'8	101'7	97'3	88'9	87'2	81'6	83'6	83'5	86'1	87'7	
9	0		95'4	101'5	95'4	88'9	86'3	81'8	83'4	83'8	86'9	87'6	
14	0		98'7	101'3	94'2	88'9	86'3	81'5	83'7	84'1	87'0	87'5	
19	0		103'4	101'2	93'8	88'3	86'0	81'9	83'8	83'8	87'0	87'2	
24	0		106'8	101'5	93'0	88'4	86'4	82'0	83'8	83'9	87'1	87'1	
29	0		108'8	101'3	92'0	87'9	85'5	82'0	82'6	84'7	86'9	87'1	
34	0		109'4	100'8	89'8	87'5	84'8	82'0	82'8	85'2	87'0	87'4	
39	0		108'9	100'0	89'1	87'8	84'8	81'7	82'6	85'5	86'0	87'6	
44	0		107'1	100'3	88'2	88'0	84'1	82'5	83'2	86'3	87'8	87'4	
49	0		106'1	98'6	88'4	87'7	83'4	82'8	83'1	85'6	87'6	87'4	
54	0		104'0	98'2	88'1	87'4	83'1	82'2	83'7	86'2	87'3	87'4	
59	0		102'5	98'0	88'7	88'0	82'7	82'5	83'1	86'4	87'3	87'4	
Thermometer			51'5	52'2	52'7	53'6	55'0	55'8	56'2	56'4	57'1	57'4	57'7
			One Scale Division = '000042 parts of the V. F.					VERTICAL FORCE.					
M.	S.												
0	0		85'9	63'5	71'7	74'9	69'2	70'4	68'8	69'1	67'7	65'0	
5	0		84'7	66'0	71'5	73'8	68'4	70'9	68'5	69'1	67'5	64'5	
10	0		86'2	68'0	71'2	73'4	68'8	71'1	68'0	69'1	67'4	63'4	
15	0		84'3	69'7	71'9	73'2	68'5	71'1	67'8	68'8	67'2	62'3	
20	0		78'3	70'1	71'7	72'2	68'5	70'9	67'8	68'8	67'0	61'2	
25	0		72'1	71'9	73'5	71'4	68'5	70'6	67'8	68'8	66'7	60'2	
30	0		66'1	71'3	73'8	71'4	69'1	70'6	68'1	68'5	66'6	60'1	
35	0		60'3	72'0	75'7	70'8	69'1	70'6	68'6	68'0	66'6	58'9	
40	0		58'5	70'3	76'1	70'4	69'3	70'0	68'6	68'0	66'0	58'4	
45	0		58'4	72'1	76'7	69'8	69'3	69'8	69'1	68'0	65'4	58'0	
50	0		59'2	71'4	76'5	69'5	69'6	69'3	69'3	66'9	65'3	57'9	
55	0		60'1	71'7	75'2	69'5	69'6	69'3	69'1	67'7	65'2	57'8	
Thermometer			51'0	51'6	51'7	52'6	53'4	54'0	54'2	54'5	54'6	55'4	57'3
Increasing Numbers denote increasing easterly Declination.													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.										
26	10	0	29'966	47'3	43'4	N.W.	Fresh.	0'25	Fair.				
	11	0	29'972	47'9	44'0	N.N.W.	Fresh.	0'25	Fair.				
	12	0	29'976	50'6	46'3	N.N.W.	Fresh.	0'25	Fair.				
	13	0	29'967	53'2	47'8	N.W.	Fresh.	0'13	Hazy.				
	14	0	29'947	54'8	49'0	N.W.	Fresh; squally.	0'13	Hazy.				
	15	0	29'938	56'0	49'0	S.S.W.	Fresh; squally.	0'00	Fair.				
	16	0	29'930	55'5	47'5	N.W.	Fresh; squally.	0'25	Fair.				
	17	0	29'934	56'0	48'4	N.W.	Fresh.	0'00	Fair, with much haze; wind abated.				
	18	0	29'950	58'4	45'6	N.W.	Light.	0'00	Fair, with considerable haze.				
	19	0	29'954	53'9	47'2	N.N.W.	Light.	0'13	Fair.				
	20	0	29'967	51'8	45'8	E.N.E.	Light.	0'00	Clear sky.				
	21	0	29'986	51'0	45'6	N.N.W.	Light.	0'25	Fair.				

MAGNETICAL OBSERVATIONS.

May 26th and 27th.

DECLINATION.

Angular Value of one Scale Division = 0'71.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div. 91'5	Sc. Div. 90'8	Sc. Div. 90'5	Sc. Div. 90'8	Sc. Div. 91'0	Sc. Div. 91'2	Sc. Div. 91'3	Sc. Div. 91'3	Sc. Div. 91'9	Sc. Div. 91'9	Sc. Div. 91'8	Sc. Div. 92'0	Sc. Div. 90'8
91'8	90'8	90'6	90'8	91'0	91'3	91'3	90'6	92'1	91'8	91'8	92'0	90'8
91'5	90'0	90'6	90'8	91'0	91'3	90'7	91'9	92'0	91'8	92'1	91'1	90'6
91'4	90'7	90'6	90'8	91'0	91'4	91'0	91'7	92'0	91'6	92'0	90'9	90'6
91'4	90'7	90'6	90'8	91'0	91'4	91'4	91'7	92'0	91'7	91'8	90'7	90'5
91'4	90'5	90'6	90'8	91'0	91'4	91'6	91'5	91'8	91'7	91'7	90'6	90'5
91'2	90'4	90'6	90'9	91'0	91'5	91'6	91'8	91'8	91'6	91'5	90'5	90'5
91'2	90'4	90'6	90'9	91'0	91'6	91'9	91'6	92'0	91'6	91'3	90'6	90'7
91'1	90'5	90'6	90'9	91'2	91'5	91'8	91'6	92'2	91'8	91'2	90'6	90'6
91'0	90'5	90'6	90'9	91'1	91'4	91'9	91'6	92'0	91'9	91'2	90'6	90'7
90'9	90'6	90'6	91'0	91'1	91'3	92'2	91'6	91'7	91'9	91'1	90'6	90'8
91'0	90'5	90'7	91'0	91'3	91'7	92'1	91'6	91'6	92'0	91'0	90'6	90'7

HORIZONTAL FORCE.

Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.

87'4	86'1	83'9	83'0	83'2	83'9	87'3	86'2	86'4	87'4	88'0	88'5	87'1
87'4	86'2	83'4	83'1	83'3	83'5	86'0	86'2	86'3	87'6	88'3	88'5	87'0
87'4	86'1	83'8	83'1	83'2	83'3	85'0	85'9	86'4	87'4	88'3	88'8	86'9
87'5	86'5	84'1	83'0	83'3	83'2	85'1	86'1	86'6	87'3	88'4	88'6	87'1
87'5	83'1	83'9	83'0	83'3	83'1	85'2	85'6	86'6	87'3	88'5	88'5	87'1
87'9	82'5	83'6	83'1	83'4	83'3	84'4	85'6	86'4	87'3	88'4	88'4	87'2
87'2	84'4	83'7	83'2	83'6	83'7	84'5	85'6	86'2	87'1	88'5	88'3	87'5
87'0	84'2	83'0	83'1	83'2	83'9	84'5	85'8	86'8	87'2	88'5	88'1	87'4
87'5	84'2	83'0	83'2	83'6	84'8	84'5	86'1	87'2	87'6	88'5	87'9	87'1
86'1	84'3	83'0	83'0	83'7	86'9	85'1	86'0	87'2	87'5	88'5	87'6	87'1
84'3	83'9	83'0	83'0	83'6	87'6	86'3	86'1	87'2	87'8	88'5	87'5	87'0
86'3	83'7	83'0	83'2	83'8	88'1	85'7	86'5	87'2	87'9	88'5	87'3	87'1
57'2	57'4	57'0	57'0	56'6	56'5	56'6	56'6	56'0	55'8	55'6	55'6	55'5

VERTICAL FORCE.

Change in the Magnetic moment of the Bar 1° Fah°. = '00021.

47'3	61'2	64'8	68'5	69'8	70'3	57'3	67'1	67'4	66'9	64'7	67'5	70'2
48'4	60'9	65'1	68'5	69'8	70'2	56'8	67'3	67'3	66'9	64'7	67'8	70'2
49'6	61'4	66'1	68'5	70'3	69'7	58'0	67'3	67'3	66'7	64'6	68'0	70'2
51'4	61'3	66'4	68'8	70'3	68'4	58'9	67'1	67'6	66'7	64'3	68'0	70'4
52'1	61'3	66'4	68'8	70'3	67'0	62'1	67'1	67'7	66'2	64'1	68'0	70'4
53'5	62'7	66'3	69'3	70'3	66'0	63'2	67'1	67'5	65'8	64'1	68'0	70'4
54'4	64'0	64'4	69'3	70'3	65'4	64'3	67'4	67'5	65'6	64'6	68'0	70'2
55'5	64'2	66'7	69'3	70'3	64'3	64'2	67'4	67'7	65'3	64'6	68'8	70'2
56'4	63'9	66'4	69'5	70'3	62'8	67'1	66'8	68'0	65'3	65'1	68'8	70'2
57'3	63'9	67'1	69'5	70'3	61'4	67'6	66'8	67'7	65'1	65'1	68'8	70'2
58'1	63'9	67'1	69'5	70'3	60'4	68'0	66'9	67'2	64'5	66'4	70'0	70'2
61'0	64'2	68'1	69'8	70'3	59'0	67'8	67'0	67'2	64'5	66'6	70'2	70'2
57'6	56'8	56'4	56'0	55'7	55'5	55'6	55'6	55'5	55'4	55'6	54'8	54'7

and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer. at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
		Dry.	Wet.	Direction.	Force.		
D. H. M.	In.						
26 22 0	29'995	49'4	44'0	—	Calm.	0'13	Generally clear.
23 0 0	30'008	48'0	43'6	—	Calm.	0'25	Fair.
27 0 0	30'022	47'4	44'2	—	Calm.	0'00	Fair.
1 0 0	30'032	47'5	44'7	N.W.	Light.	0'00	Fair.
2 0 0	30'048	47'5	44'4	N.E.	Light.	0'25	Generally clear.
3 0 0	30'040	46'7	43'8	N.E.	Light.	0'25	Generally clear.
4 0 0	30'048	46'1	43'6	—	Calm.	0'13	Fair; hazy.
5 0 0	30'064	46'0	43'2	—	Calm.	0'38	Fair.
6 0 0	30'066	46'5	44'8	—	Calm.	0'38	Partially clear.
7 0 0	30'074	47'6	46'4	E.N.E.	Light.	0'50	Partially clear.
8 0 0	30'100	48'0	45'7	E.	Light.	0'50	Partially clear.
9 0 0	30'128	47'6	46'3	E.	Light.	1'00	Overcast and gloomy.

June 21st and 22d.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0''71.					DECLINATION.					
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
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		89°3	89°0	87°4	87°2	88°3	90°2	92°0	92°1	91°9	91°0	89°8
5	0		89°2	88°9	87°2	87°3	88°3	90°4	92°2	92°0	91°9	91°0	89°5
10	0		89°2	88°8	87°1	87°3	88°4	90°6	92°4	92°0	91°8	90°7	89°6
15	0		89°1	88°5	87°0	87°3	88°8	90°9	92°3	92°0	91°9	90°8	89°5
20	0		89°3	88°4	87°0	87°2	88°8	91°2	92°3	91°9	91°9	90°7	89°4
25	0		89°4	88°3	87°0	87°2	89°2	91°0	92°3	92°3	91°8	90°6	89°6
30	0		89°5	88°2	87°1	87°3	89°4	91°4	92°4	92°0	91°8	90°2	89°7
35	0		89°3	87°9	86°9	87°6	89°7	91°1	92°3	92°1	91°7	90°3	89°9
40	0		89°3	87°8	87°1	87°7	89°8	91°7	92°3	92°0	91°5	90°0	90°2
45	0		89°1	87°5	86°6	88°0	89°8	91°9	92°0	91°9	91°3	89°8	90°2
50	0		89°0	87°5	87°2	87°7	89°8	91°8	92°0	91°9	91°3	89°9	90°0
55	0		89°0	87°3	87°2	88°0	90°1	92°0	91°8	91°9	91°3	89°8	89°9
			One Scale Division = '000120 parts of H. F.					HORIZONTAL FORCE.					
M.	S.												
2	0		98°4	99°0	97°3	94°9	92°4	90°0	90°3	91°6	93°0	93°3	92°2
7	0		98°9	98°7	97°0	94°6	92°2	90°0	90°6	91°6	93°3	93°3	92°4
12	0		98°5	98°8	96°8	94°2	92°4	90°3	90°1	91°5	93°1	93°1	92°4
17	0		99°0	98°8	96°7	93°7	91°6	90°3	90°3	91°8	93°7	93°2	92°2
22	0		99°0	98°6	96°5	93°6	91°4	90°0	90°9	92°4	93°8	93°4	92°3
27	0		98°9	98°4	96°2	93°5	91°4	89°9	90°9	92°6	93°7	93°3	92°4
32	0		98°9	98°0	96°0	93°3	90°5	89°7	90°9	92°6	93°6	93°1	92°6
37	0		99°0	98°0	95°8	93°3	90°2	89°7	90°8	92°9	93°5	92°9	92°7
42	0		99°2	98°0	95°7	92°9	90°0	90°3	90°9	92°6	93°5	92°8	92°6
47	0		99°3	97°7	95°7	92°5	89°8	90°1	91°2	93°3	93°7	92°8	92°4
52	0		99°1	97°7	95°3	92°5	89°6	90°0	91°1	93°0	93°7	92°5	92°1
57	0		99°3	97°5	95°0	92°5	89°9	90°4	91°0	93°0	93°5	92°1	92°0
Thermometer			50°2	50°7	50°9	50°7	50°6	50°5	50°7	51°6	52°0	52°5	53°0
			One Scale Division = '000034 parts of V. F.					VERTICAL FORCE.					
M.	S.												
3	0		69°6	67°6	68°3	71°3	74°6	76°0	76°4	75°1	74°5	72°6	70°3
8	0		68°7	67°6	69°9	71°4	74°7	75°9	76°7	74°9	74°5	72°6	70°9
13	0		68°7	67°2	69°8	71°9	75°0	75°6	76°2	74°8	74°9	72°4	70°4
18	0		67°6	67°4	69°9	71°8	74°8	75°7	76°2	74°6	74°6	72°4	71°1
23	0		68°0	67°4	69°5	72°5	75°2	75°5	76°2	74°8	74°6	72°7	70°6
28	0		68°0	67°8	69°3	72°6	75°0	75°8	76°1	74°3	74°1	71°0	70°9
33	0		68°2	67°8	70°1	72°7	75°3	75°8	75°8	74°3	73°4	71°6	70°7
38	0		68°2	67°8	70°3	73°0	75°8	76°4	75°8	74°3	73°9	71°6	70°7
43	0		68°0	68°1	70°6	73°2	75°5	76°4	76°2	74°1	73°9	71°0	70°3
48	0		67°0	68°1	70°3	74°0	76°1	76°1	75°5	74°1	73°5	70°4	70°1
53	0		67°0	68°1	70°4	74°2	76°2	76°3	75°1	74°0	73°5	70°4	70°2
58	0		67°6	68°3	70°6	74°7	75°8	76°4	75°6	74°2	72°6	70°4	70°1
Thermometer			49°8	49°8	49°7	49°4	49°3	49°5	49°5	49°6	49°8	50°0	50°2
Increasing Numbers denote increasing easterly Declination,													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°								
21	10	0	29°620	40°8	39°8	—	Calm.	0°00	Fair ; fog over the land.				
	11	0	29°592	39°8	39°7	N.W.	Light.	1°00	Hazy ; a damp thick fog over the low land.				
	12	0	29°582	40°3	39°9	N.W.	Light.	1°00	Overcast, with appearance of rain.				
	13	0	29°535	42°3	42°3	N.W.	Light.	0°75	Chilly damp feeling in atmosphere.				
	14	0	29°497	44°7	44°7	N.N.W.	Light.	0°38	Partially clear.				
	15	0	29°468	48°4	47°8	N.N.W.	Light.	0°75	Unsettled appearance.				
	16	0	29°441	49°0	48°2	N.W.	Light.	0°50	Partially clear.				
	17	0	29°410	51°5	49°6	N.W.	Light.	0°62	Appearance of rain.				
	18	0	29°401	52°5	49°3	N.W.	Light.	0°62	Appearance of rain.				
	19	0	29°375	53°3	49°3	N.W.	Fresh.	0°13	Appearance of rain in N.W.				
	20	0	29°375	54°4	49°4	N.W.	Fresh (squalls)	0°13	Generally clear ; unsettled clouds in N.W.				
	21	0	29°381	54°0	49°2	N.W.	Fresh.	0°38	Partially clear ; more settled appearance.				

MAGNETICAL OBSERVATIONS. June 21st and 22d.

DECLINATION. Angular Value of one Scale Division = 0'71.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div. 90°1	Sc. Div. 89°3	Sc. Div. 88°4	Sc. Div. 88°5	Sc. Div. 88°5	Sc. Div. 88°8	Sc. Div. 89°0	Sc. Div. 89°4	Sc. Div. 89°5	Sc. Div. 89°7	Sc. Div. 89°5	Sc. Div. 89°4	Sc. Div. 89°0
90°0	89°3	88°5	88°4	88°5	88°6	89°1	89°5	89°5	89°8	89°7	89°4	88°8
90°0	89°9	88°4	88°3	88°5	88°7	89°1	89°5	89°6	89°6	89°6	89°4	88°7
89°9	89°0	88°4	88°3	88°6	88°7	89°0	89°5	89°7	89°8	89°6	89°3	88°8
89°8	88°8	88°4	88°3	88°5	88°7	89°0	89°6	89°8	89°6	89°5	89°2	88°7
89°8	88°8	88°4	88°5	88°5	88°6	89°1	89°5	89°7	89°7	89°6	89°2	88°6
89°5	88°7	88°5	88°5	88°5	88°8	89°1	89°5	89°7	89°8	89°6	89°1	88°6
89°4	88°6	88°4	88°5	88°5	88°7	89°3	89°5	89°7	89°6	89°6	89°2	88°6
89°2	88°7	88°4	88°5	88°6	88°7	89°3	89°6	89°7	89°6	89°6	89°1	88°6
89°2	88°5	88°4	88°5	88°7	88°8	89°3	89°6	89°7	89°6	89°5	89°1	88°5
89°3	88°5	88°4	88°5	88°7	88°9	89°3	89°5	89°7	89°5	89°6	89°1	88°4
89°3	88°5	88°3	88°6	88°6	89°0	89°3	89°6	89°7	89°6	89°5	89°0	88°4

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah°. = °000234.

91°8	93°0	92°2	92°0	91°0	90°4	90°2	90°1	90°4	91°4	92°0	92°4	92°7
91°9	92°9	92°6	91°8	91°0	90°3	90°1	90°1	90°5	91°6	92°1	92°6	92°8
91°8	92°8	92°7	91°9	90°8	90°4	90°1	90°1	90°6	91°4	92°2	92°5	92°9
91°8	92°9	92°3	91°8	91°0	90°2	90°2	90°2	90°7	91°5	92°2	92°6	92°8
91°9	92°9	92°5	91°6	90°8	90°4	90°1	90°1	90°9	91°6	92°3	92°4	92°9
91°8	92°9	92°5	92°2	90°6	90°3	90°2	90°2	90°9	91°8	92°2	92°6	92°8
92°0	92°9	92°8	91°7	90°8	90°3	90°1	90°3	91°0	91°8	92°3	92°6	93°1
92°3	92°9	92°5	91°5	90°5	90°3	90°1	90°3	90°9	91°8	92°2	92°8	93°1
92°6	92°7	92°3	91°4	90°4	90°3	90°0	90°4	91°0	92°0	92°4	92°5	93°1
92°7	92°4	92°1	91°2	90°3	90°2	90°0	90°4	91°0	92°0	92°3	92°6	93°4
92°8	92°3	92°1	91°2	90°5	90°2	90°0	90°4	91°1	92°0	92°4	92°7	93°4
92°9	92°6	92°1	91°2	90°4	90°1	90°0	90°5	91°2	92°0	92°5	92°8	93°4
53°6	54°1	54°0	54°1	55°0	55°2	55°2	55°3	54°5	55°4	55°0	55°0	55°0

VERTICAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah°. = °00021.

70°2	67°7	67°4	66°8	66°6	66°1	66°9	65°5	65°4	64°1	63°2	62°5	61°7
70°1	67°5	67°4	67°0	66°6	65°2	67°0	66°6	65°3	64°3	63°0	62°6	61°9
70°1	67°1	66°7	66°8	67°0	66°2	67°1	66°5	65°3	64°0	63°1	62°6	61°8
69°9	67°1	67°0	67°1	67°0	66°3	67°1	66°2	65°0	63°5	63°1	61°9	61°6
69°8	66°6	67°1	67°1	66°4	66°3	66°7	66°0	64°9	63°8	63°0	61°9	61°4
69°3	66°6	66°8	67°0	66°6	66°2	66°1	66°1	64°7	63°9	62°8	62°1	61°3
69°3	66°6	66°5	66°8	66°6	66°0	65°8	65°9	64°6	63°3	63°0	62°1	61°0
68°9	66°6	66°4	66°9	66°6	66°0	66°1	65°8	64°5	63°3	62°8	61°9	61°0
68°5	66°3	66°9	66°6	66°6	66°0	66°1	65°7	64°6	63°5	62°7	62°1	60°9
68°3	66°6	66°5	66°6	66°4	66°6	66°4	65°6	64°5	63°0	62°8	62°1	60°8
68°0	66°7	66°8	66°8	66°4	67°2	66°1	65°5	64°3	63°1	62°6	61°7	60°7
67°9	67°0	66°9	66°8	66°4	66°9	65°5	65°3	64°2	62°9	62°9	61°9	60°3
50°6	50°7	51°1	51°4	51°8	52°0	52°2	52°3	52°5	52°7	52°8	52°8	53°0

and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.		
		Dry.	Wet.	Direction.	Force.				
D. 21	H. 22	M. 0	In. 29°387	52°6	48°3	N.W. by N.	Fresh.	0°25	Generally clear.
			29°369	52°0	48°0	N.W.	Fresh.	0°38	Generally clear.
22	0	0	29°369	51°6	47°7	N.W.	Fresh.	0°75	Appearance of rain.
	1	0	29°378	51°2	48°0	N.W.	Fresh.	1°00	Overcast, with a few drops of rain.
	2	0	29°349	50°0	47°0	N.W.	Fresh.	0°50	Partially clear.
	3	0	29°325	49°3	46°9	N.W.	Fresh.	1°00	Entirely overcast, with much appearance of rain.
	4	0	29°314	49°5	46°9	N.W.	Moderate.	1°00	Overcast, with much appearance of rain.
	5	0	29°307	49°4	46°5	N.W.	Fresh (squalls)	1°00	Overcast; stars indistinctly seen.
	6	0	29°302	49°0	46°2	N.W.	Fresh.	0°38	Unsettled appearance; partially clear.
	7	0	29°286	48°0	45°4	N.W. by W.	Moderate.	1°00	Gloomy, unsettled sky.
	8	0	29°304	47°5	45°4	N.W. by W.	Moderate.	1°00	Gloomy, unsettled sky.
	9	0	29°320	48°0	46°2	N.W.	Fresh.	1°00	Overcast.

July 19th and 20th.		MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.		Angular Value of One Scale Division = 0''71.					DECLINATION.					
		10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
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	73'4	72'4	71'8	71'4	72'2	74'2	76'3	78'4	77'5	75'7	74'8
5	0	73'5	72'1	71'8	71'4	72'4	74'5	76'7	78'2	77'4	75'2	74'6
10	0	73'7	72'1	71'7	71'4	72'3	74'6	77'2	78'2	77'2	75'0	74'4
15	0	73'7	72'1	71'5	71'4	72'9	75'2	77'4	78'1	77'2	75'0	74'4
20	0	73'4	72'1	71'5	71'4	72'8	75'2	77'7	78'1	76'9	74'9	74'4
25	0	73'1	72'1	71'5	71'5	73'2	75'6	77'8	79'9	76'9	74'8	74'4
30	0	73'1	72'1	71'6	71'6	73'1	75'6	77'8	77'0	76'8	74'9	74'2
35	0	73'1	72'0	71'4	71'8	73'2	76'0	78'0	77'8	76'8	74'8	74'2
40	0	72'9	71'9	71'4	71'8	73'6	76'0	78'1	77'5	76'5	74'8	74'2
45	0	72'9	71'8	71'4	71'8	73'6	76'0	78'2	77'3	76'2	74'8	74'3
50	0	72'8	71'8	71'4	71'8	73'8	76'4	78'2	77'6	76'0	74'8	74'2
55	0	72'4	71'8	71'2	72'0	73'8	76'0	78'4	77'4	75'9	74'8	74'2

M. s.		One Scale Division = '000120 parts of the H. F.					HORIZONTAL FORCE.					
		10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
2	0	60'0	59'8	59'9	58'8	57'2	55'4	55'0	55'9	57'8	59'0	58'0
7	0	60'1	59'6	59'8	58'7	56'6	55'0	55'1	56'2	57'9	59'0	58'0
12	0	60'0	60'0	59'6	58'4	56'4	55'6	55'1	56'2	58'1	58'9	57'8
17	0	59'3	59'8	59'5	58'2	56'2	54'9	55'4	56'3	58'4	59'1	57'8
22	0	59'6	59'8	59'3	58'2	56'1	55'0	55'3	56'4	58'5	58'8	57'8
27	0	59'9	60'0	59'9	58'2	56'1	54'9	55'1	56'6	58'7	58'9	57'8
32	0	59'7	60'1	59'3	57'8	55'8	55'0	55'4	56'7	58'7	58'7	57'8
37	0	59'8	59'8	59'2	57'8	55'5	55'2	55'5	56'9	58'8	58'4	57'8
42	0	59'8	59'9	59'1	57'5	55'4	55'0	55'4	57'0	58'7	58'3	57'8
47	0	59'6	60'0	59'0	57'4	55'2	54'9	55'5	57'2	58'7	58'2	58'0
52	0	59'5	59'7	59'0	57'4	55'0	54'7	55'7	57'4	58'9	58'1	57'8
57	0	59'4	59'8	59'0	57'4	55'1	54'8	55'8	57'5	58'9	58'0	57'6

Thermometer		10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
		46'5	46'5	—	46'5	46'8	47'2	48'0	48'6	49'0	49'5	49'4

M. s.		One Scale Division = '000035 parts of the V. F.					VERTICAL FORCE.					
		10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
3	0	79'8	78'9	80'4	82'1	85'3	88'3	90'3	89'5	83'1	78'7	79'2
8	0	79'8	78'9	80'1	82'0	85'3	88'3	90'9	89'5	83'1	78'0	78'4
13	0	79'7	78'9	80'8	82'1	85'9	88'8	90'2	89'0	83'7	78'0	78'7
18	0	79'3	79'2	81'0	82'3	85'9	88'1	90'8	88'5	80'2	78'0	78'9
23	0	79'3	79'2	80'8	82'7	86'3	90'1	91'0	87'7	83'7	77'8	78'6
28	0	78'8	79'2	81'1	83'1	86'7	89'3	91'0	86'9	83'7	77'8	77'9
33	0	78'8	79'4	81'6	83'2	86'4	89'5	90'8	86'3	81'9	77'8	78'2
38	0	78'8	79'4	81'5	83'5	86'4	89'8	90'9	85'7	81'6	78'0	78'0
43	0	78'8	79'6	81'6	84'0	86'9	89'5	89'8	84'6	80'2	78'6	78'1
48	0	78'8	80'0	81'9	84'3	87'5	90'4	90'1	84'5	80'2	78'6	78'1
53	0	78'9	80'0	82'0	84'6	87'5	90'3	90'1	84'3	79'5	78'7	78'1
58	0	78'9	80'0	81'9	84'8	87'9	90'3	90'3	83'4	79'5	78'8	78'1

Thermometer		10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
		47'0	46'8	—	46'5	46'4	46'8	47'0	47'0	47'6	47'8	48'0

Increasing Numbers denote increasing easterly Declination,

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
				Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	32°.	34°.				
19	10	0	29'864	35'2	34'7	N.W.	Fresh.	0'13	Much haze and fog over the low land.
	11	0	29'882	35'2	35'2	N.W.	Moderate.	0'75	Damp fog over the low land; blue sky in zenith.
	12	0	—	—	—	N.W.	Moderate.	0'75	Fog gradually dispersing; damp and wet; blue sky in zenith.
	13	0	29'864	39'0	39'0	N.N.W.	Light.	0'25	Fair, clear atmosphere.
	14	0	29'848	41'5	41'3	N.W.	Light.	0'38	Partially clear.
	15	0	29'814	43'5	42'8	N.W.	Light.	0'38	Fair.
	16	0	29'787	45'6	44'7	N.W.	Light.	0'25	Fair.
	17	0	29'768	47'0	44'6	N.W. by N.	Light.	0'25	Fair.
	18	0	29'761	46'8	44'7	N.W.	Light.	0'25	Fair.
	19	0	29'756	44'8	42'3	—	Calm.	0'00	Blue sky and fine.
	20	0	29'756	41'0	39'5	—	Calm.	0'25	Blue sky and fine.

MAGNETICAL OBSERVATIONS. July 19th and 20th.

DECLINATION. Angular Value of One Scale Division = 0'71

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div. 74.1	Sc. Div. 74.2	Sc. Div. 73.4	Sc. Div. 72.8	Sc. Div. 72.9	Sc. Div. 72.8	Sc. Div. 72.9	Sc. Div. 73.4	Sc. Div. 73.2	Sc. Div. 73.8	Sc. Div. 73.6	Sc. Div. 73.7	Sc. Div. 73.9
74.2	74.0	72.9	73.1	72.8	72.8	73.1	73.5	73.2	73.6	73.8	73.8	73.8
74.2	74.0	73.0	73.1	72.8	72.8	72.9	73.3	73.6	73.8	73.8	73.8	73.7
74.4	74.2	73.2	73.1	72.8	72.8	73.1	73.4	73.5	73.8	74.0	73.9	73.8
74.1	74.2	73.2	72.9	72.9	72.8	73.2	73.4	73.8	73.9	74.0	74.0	73.8
74.1	74.2	72.8	73.1	72.9	72.8	73.2	73.3	73.6	74.0	74.0	74.1	73.8
74.3	74.0	72.6	73.0	72.8	72.8	73.2	73.2	73.5	73.8	73.9	74.0	73.6
74.3	73.8	72.8	72.8	72.7	72.8	73.2	73.3	73.6	73.7	73.8	74.0	73.7
74.4	73.8	73.0	72.9	72.7	72.8	73.2	73.6	73.7	73.3	73.9	74.0	73.7
74.4	74.0	73.0	72.8	72.7	72.8	73.1	73.6	73.6	73.4	73.6	73.9	73.7
74.4	73.8	73.0	72.7	72.8	72.8	73.1	73.7	73.7	73.4	73.6	74.0	73.7
74.2	73.6	73.0	72.7	72.9	72.8	73.2	73.4	73.8	73.4	73.8	73.9	73.7

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.

57.6	57.4	56.6	56.8	57.5	57.4	57.3	57.7	58.1	58.1	58.4	58.6	59.3
57.4	57.4	56.8	57.0	57.4	57.5	57.3	57.7	58.0	58.1	58.4	58.7	59.2
57.4	57.5	56.6	57.0	57.4	57.5	57.4	57.8	58.0	58.1	58.4	58.7	59.3
57.4	57.4	56.8	57.1	57.4	57.5	57.4	57.7	58.2	58.2	58.6	58.8	59.3
57.4	57.2	56.6	57.1	57.4	57.5	57.4	58.0	58.2	58.3	58.4	58.8	59.2
57.4	57.0	56.8	57.1	57.5	57.5	57.4	58.1	58.4	58.3	58.4	58.9	59.2
57.5	56.8	56.9	57.0	57.5	57.5	57.5	57.9	58.3	58.4	58.4	58.9	59.4
57.4	57.0	56.9	57.1	57.6	57.5	57.5	57.9	58.1	58.4	58.5	59.0	59.3
57.5	56.9	56.6	57.0	57.6	57.5	57.5	58.0	58.2	58.2	58.5	59.0	59.3
57.4	56.8	56.5	57.2	57.5	57.4	57.5	58.3	58.2	58.2	58.6	59.1	59.4
57.4	56.8	56.5	57.2	57.6	57.4	57.5	58.4	58.2	58.4	58.6	59.3	59.3
57.3	56.7	56.5	57.3	57.5	57.3	57.6	58.2	58.0	58.4	58.6	59.2	59.3

49.4	49.6	49.5	49.8	49.5	49.4	49.0	48.8	48.4	48.0	48.0	47.6	47.5
------	------	------	------	------	------	------	------	------	------	------	------	------

VERTICAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.

78.5	78.8	80.5	80.5	80.6	81.5	82.1	82.7	82.2	82.9	82.8	83.3	83.5
78.2	78.5	80.4	80.6	80.8	81.9	82.2	82.7	82.5	82.6	83.3	83.5	83.4
78.7	79.0	81.0	79.7	80.2	81.1	82.5	82.7	82.6	82.9	83.0	83.7	83.3
78.8	78.7	80.3	79.4	80.7	81.1	82.8	82.5	82.6	83.0	83.3	83.8	83.1
78.8	78.9	80.7	79.8	80.6	81.1	82.8	82.6	82.8	82.6	83.3	83.9	83.1
79.1	79.4	79.6	80.3	80.7	81.1	82.8	81.8	82.8	82.6	83.1	83.8	83.1
79.1	79.4	79.5	79.9	80.8	81.1	82.8	82.0	82.7	82.2	83.1	83.8	83.1
79.0	79.4	79.8	79.7	81.6	81.1	82.8	82.6	82.7	82.2	83.1	83.8	83.1
79.1	79.6	79.8	79.7	81.3	81.0	82.8	82.8	82.6	82.2	83.2	83.6	82.9
79.0	79.9	80.2	80.4	81.3	81.0	82.9	82.3	82.6	82.6	82.9	83.6	82.9
79.0	80.1	80.4	80.9	80.9	81.0	82.5	82.0	82.6	82.8	83.3	83.6	82.9
78.8	79.6	80.4	80.2	81.0	81.9	82.8	82.2	83.1	82.8	83.1	83.6	82.9

48.2	48.4	48.5	48.4	48.5	48.5	48.5	48.5	48.2	48.0	48.0	47.5	47.4
------	------	------	------	------	------	------	------	------	------	------	------	------

and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.		
		Dry.	Wet.	Direction.	Force.				
D. 19	h. 21	M. 0	In. 29.773	° 40.2	° 38.9	—	Calm.	0.13	Partially clear, heavy dew.
	22	0	29.778	38.5	37.9	—	Calm.	0.00	Clear blue sky, starlight.
	23	0	29.788	37.4	36.6	N.W.	Light.	0.13	Fair.
20	0	0	29.792	37.0	36.2	N.N.W.	Light.	0.13	Fair.
	01	0	29.781	36.7	36.5	N.W.	Light.	0.00	Clear starlight.
	02	0	29.789	36.8	36.8	N.W. by N.	Light.	1.00	Overcast, with light rain.
	03	0	29.793	37.4	37.4	N.W.	Moderate.	1.00	Overcast, light rain.
	04	0	29.791	37.3	37.1	N.W.	Light.	1.00	Overcast and gloomy, drizzling rain.
	05	0	29.795	37.2	37.0	N.N.W.	Moderate.	1.00	Overcast and gloomy, continued rain.
	06	0	29.791	37.0	37.0	N.W.	Light.	1.00	Overcast and gloomy, continued rain.
	07	0	29.798	37.2	37.0	N.N.W.	Light.	1.00	Overcast; rain.
	08	0	29.808	37.0	37.0	N.N.W.	Light.	1.00	Overcast; drizzling rain.
	09	0	29.829	37.1	36.8	N.N.W.	Moderate.	0.25	Rain ceased, weather clearing up.

August 25th and 26th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'71.					DECLINATION.					
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
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		74'2	72'1	71'8	72'0	72'2	74'3	76'4	75'7	75'4	75'9	72'9
5	0		74'5	71'4	71'8	72'3	72'1	74'4	76'7	75'9	76'1	75'6	72'5
10	0		72'8	71'2	72'3	72'1	71'8	74'7	76'7	76'0	76'1	75'4	73'1
15	0		72'6	71'8	72'2	72'5	72'2	74'9	76'9	75'9	76'4	73'6	72'5
20	0		72'4	72'3	72'5	72'0	72'0	74'9	76'6	75'8	76'3	74'1	73'0
25	0		72'8	72'1	72'2	72'1	72'2	74'9	76'6	75'8	76'8	73'5	73'7
30	0		73'2	71'7	71'8	71'9	72'5	76'0	76'2	75'8	76'5	73'2	73'6
35	0		73'3	72'1	72'1	71'6	72'5	75'8	76'1	75'7	76'6	72'7	73'8
40	0		73'6	71'2	72'0	71'7	73'2	76'0	76'0	75'7	76'4	72'6	73'7
45	0		74'0	71'5	72'0	71'7	73'2	75'6	75'6	75'7	76'0	72'5	73'1
50	0		72'4	71'5	72'5	71'8	73'5	75'9	76'0	75'9	76'0	72'1	73'3
55	0		71'5	72'0	72'3	71'9	73'7	76'2	75'5	75'8	76'1	73'3	73'2
			One Scale Division = '000229 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	0		64'6	64'8	65'3	64'0	64'5	62'4	62'0	64'6	65'5	60'9	61'7
7	0		64'1	64'6	65'5	63'7	65'0	62'5	62'1	64'7	65'6	61'3	62'4
12	0		64'4	65'4	64'5	64'0	64'7	62'5	62'3	64'9	64'6	61'2	62'4
17	0		64'7	65'6	65'0	64'0	64'4	62'1	62'9	65'0	66'6	61'0	61'7
22	0		65'1	65'4	64'7	63'7	64'3	62'1	63'0	65'0	64'2	60'3	62'2
27	0		65'4	65'3	64'7	63'6	64'6	62'8	62'8	64'9	64'0	60'6	61'9
32	0		65'3	65'2	64'8	63'8	64'5	62'8	63'0	65'0	63'8	61'0	61'9
37	0		65'5	65'1	64'3	63'9	64'6	62'4	63'3	64'7	64'1	60'7	62'1
42	0		65'0	65'2	64'4	63'9	64'4	61'9	63'2	64'7	63'2	61'0	62'6
47	0		64'1	65'2	64'5	64'1	63'4	61'7	63'8	64'7	62'3	61'3	63'3
52	0		64'2	65'2	64'3	64'2	62'7	62'5	64'1	64'7	61'9	61'5	63'0
57	0		65'2	65'2	63'8	64'3	62'3	62'2	64'7	64'8	61'2	62'8	62'0
Thermometer			51'4	51'5	51'6	51'8	52'0	52'2	52'8	53'5	54'0	54'9	55'3
			One Scale Division = 000036 parts of V. F.					VERTICAL FORCE.					
M.	S.												
3	0		95'0	91'5	90'6	93'9	95'1	99'3	100'7	95'0	93'5	97'7	90'7
8	0		94'1	89'1	90'6	95'2	94'5	99'9	100'7	94'4	93'6	97'3	92'6
13	0		92'9	90'7	90'3	—	94'5	99'9	100'7	94'4	93'7	96'4	93'0
18	0		91'3	90'6	92'1	96'5	94'5	100'0	99'9	94'4	93'7	95'8	90'3
23	0		92'4	88'9	92'9	96'4	94'0	101'1	99'9	93'7	95'2	95'8	92'0
28	0		90'7	89'3	92'1	95'8	94'3	100'0	98'3	93'7	94'3	95'9	90'3
33	0		91'1	89'1	92'5	95'8	94'3	100'0	98'1	93'3	94'3	93'9	92'1
38	0		90'7	89'2	91'4	96'1	94'0	99'4	97'5	93'3	94'7	94'0	92'3
43	0		92'3	91'0	91'4	95'3	94'8	99'4	96'7	93'3	94'7	93'5	91'7
48	0		91'8	90'6	92'2	95'3	95'5	98'8	96'7	93'3	95'9	92'5	89'9
53	0		91'1	90'7	92'2	95'0	96'6	100'7	96'7	93'7	95'6	93'0	—
58	0		91'0	89'7	93'9	95'6	97'7	100'7	95'9	93'4	97'1	91'9	88'2
Thermometer			50'7	50'7	50'7	51'0	51'2	51'2	51'5	52'2	52'5	53'2	53'8
Increasing Numbers denote increasing easterly Declination													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°								
25	10	0	30'034	44'3	43'4	N.W.	Fresh	1'00	Hazy, with thick fog drifting low.				
	11	0	30'036	44'8	44'5	N.W.	Fresh	1'00	Hazy, with thick fog drifting low.				
	12	0	30'040	47'3	46'9	N.W. by N.	Fresh	0'00	Fair; fog nearly dispersed.				
	13	0	30'018	50'0	49'6	N.W.	Light	0'00	Fair; hazy.				
	14	0	30'002	53'0	51'6	N.W.	Light	0'00	Fair.				
	15	0	29'956	57'2	53'2	N.W.	Light	0'00	Clear.				
	16	0	29'921	60'8	55'3	N.W.	Light	0'00	Clear.				
	17	0	29'896	62'0	54'0	N.W.	Fresh	0'25	Partially clear.				
	18	0	29'883	61'8	55'0	N.N.W.	Light	0'50	Partially clear.				
	19	0	29'880	60'2	53'3	N. by W.	Fresh	1'00	Overcast.				
	20	0	29'873	58'4	52'6	N.N.W.	Fresh	1'00	Overcast.				
	21	0	29'873	56'2	52'8	N.N.W.	Moderate	0'13	Fair.				

MAGNETICAL OBSERVATIONS.

August 25th and 26th.

DECLINATION.

Angular Value of one Scale Division = 0'71.

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.
73.9	71.3	71.5	71.4	72.6	72.9	72.8	72.9	73.3	74.0	73.4	73.0	73.4
74.3	71.9	71.3	71.7	72.9	72.8	72.7	72.6	73.3	74.0	73.3	73.0	73.4
74.0	70.9	71.1	72.1	73.0	72.8	73.1	72.7	73.5	74.1	73.6	73.0	73.5
74.0	69.9	71.8	72.0	73.0	72.5	73.1	72.7	73.8	74.0	73.6	73.0	73.3
73.5	70.0	71.0	72.6	73.0	72.6	73.1	72.9	74.0	74.2	73.5	73.0	73.4
73.0	71.9	69.7	72.7	73.2	72.6	73.3	73.1	74.2	74.1	73.4	73.0	73.5
73.5	71.9	69.3	72.5	73.0	72.8	73.2	74.1	74.4	74.0	73.5	73.1	73.4
73.5	71.7	68.2	72.6	72.9	72.9	73.1	74.4	74.2	74.0	73.4	73.1	73.4
73.2	72.2	68.8	72.7	72.7	72.6	73.0	74.3	73.8	73.8	73.3	73.3	73.2
73.6	72.2	69.5	72.7	72.8	72.6	73.2	73.9	73.9	74.0	73.5	73.2	73.1
72.5	72.4	69.8	72.4	72.7	73.0	73.6	73.5	74.0	73.5	73.5	73.3	73.2
72.6	72.4	70.4	72.2	72.7	72.9	73.3	73.6	73.8	73.8	73.3	73.2	73.4

HORIZONTAL FORCE.

Change in the Magnetic moment of the Bar for 1° Fah. = .000234.

62.4	62.4	62.5	63.1	62.4	61.6	62.1	62.1	62.8	62.3	62.4	62.5	62.5
62.2	62.6	63.0	62.7	62.3	61.6	62.2	62.0	63.0	62.5	62.4	62.6	62.5
61.8	63.5	63.6	62.5	62.6	61.8	62.1	62.0	62.9	62.4	62.5	62.6	62.6
62.5	64.1	63.8	62.4	62.6	61.6	62.2	62.0	62.8	62.5	62.4	62.5	62.4
62.3	64.5	64.3	62.3	62.1	61.7	62.2	62.0	62.7	62.4	62.3	62.5	62.4
62.4	64.0	64.7	61.9	61.9	61.8	62.2	62.2	62.6	62.3	62.3	62.5	62.4
62.0	63.6	65.4	61.8	61.6	62.0	62.2	62.7	62.6	62.4	62.5	62.6	62.3
61.8	63.3	65.6	62.1	61.6	61.9	62.2	62.9	62.8	62.4	62.6	62.7	62.3
61.9	63.0	65.3	62.0	61.4	61.7	62.0	62.9	62.8	62.5	62.5	62.5	62.2
62.2	62.8	65.2	62.0	61.4	61.7	62.4	62.9	62.9	61.9	62.5	62.5	62.2
62.3	63.0	64.1	62.0	61.5	61.7	62.1	62.9	62.7	62.4	62.4	62.4	62.0
61.7	62.4	63.4	62.0	61.6	61.8	62.1	62.9	62.5	62.4	62.4	62.5	62.2
55.5	56.0	56.0	56.2	56.5	56.7	56.7	56.8	57.0	57.0	57.0	56.8	56.8

VERTICAL FORCE.

Change in the Magnetic moment of the Bar for 1° Fah. = .00021.

88.2	86.7	85.5	83.9	87.2	87.4	85.9	83.9	82.0	82.8	83.6	83.7	83.3
89.1	85.4	84.5	84.8	86.3	87.4	86.2	84.4	82.0	83.4	83.6	83.7	83.3
89.9	83.2	84.7	—	86.9	87.4	85.4	84.4	81.8	83.4	83.3	83.7	83.2
88.8	82.8	83.8	86.5	86.7	87.0	86.5	84.8	82.4	83.1	83.5	83.7	83.2
88.2	82.3	81.8	87.1	86.3	87.1	84.6	84.8	82.4	83.4	83.5	83.7	83.2
88.4	82.4	79.6	87.1	86.3	87.5	85.1	85.5	82.9	83.4	83.5	83.7	83.2
88.4	83.1	79.6	87.9	86.7	87.5	85.9	84.6	83.2	83.5	83.5	83.4	83.4
89.3	83.7	78.0	87.9	86.8	86.2	85.3	83.1	83.2	83.7	83.5	83.4	83.4
89.6	84.6	78.4	87.9	87.3	86.4	84.1	83.1	82.5	83.7	83.5	83.4	83.4
87.2	85.0	78.4	87.6	87.3	86.4	85.2	82.8	82.4	84.0	83.7	83.4	83.4
86.7	85.5	80.3	87.2	87.3	86.6	85.6	82.1	82.4	83.8	83.7	83.4	83.4
86.7	86.1	81.9	87.2	87.6	85.8	84.8	82.0	82.4	83.7	83.7	83.4	83.4
54.2	54.8	55.0	55.0	55.0	55.3	55.4	55.5	55.6	55.8	55.6	55.4	55.4

and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
				Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.						
25	22	0	29.876	55.0	50.6	N.W.	Fresh.	0.38	Partially clear.
	23	0	29.876	55.0	51.4	N.N.W.	Fresh.	0.62	Partially clear.
26	0	0	29.863	55.3	52.0	N.W.	Fresh.	1.00	Gloomy and overcast.
	1	0	29.861	54.8	51.5	N.W.	Fresh.	1.00	Gloomy and overcast.
	2	0	29.862	54.5	51.2	N.N.W.	Moderate.	0.62	Partially clear.
	3	0	29.835	53.7	50.5	N.N.W.	Moderate.	0.25	Partially clear.
	4	0	29.827	52.8	50.4	N.N.W.	Fresh.	0.00	Clear.
	5	0	29.815	52.0	49.6	N.N.W.	Fresh.	0.00	Fair.
	6	0	29.801	51.2	49.4	N.N.W.	Fresh.	0.00	Fair.
	7	0	29.799	51.2	49.2	N.W.	Moderate.	0.13	Fair.
	8	0	29.811	51.0	49.3	N.W.	Light.	0.13	Partially clear.
	9	0	29.817	51.0	50.2	N.W.	Light.	0.13	Partially clear.

September 20th and 21st. MAGNETICAL OBSERVATIONS.												
Mean Göttingen Time.		Angular Value of one Scale Division = 0''71.										
		DECLINATION.										
		10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
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	71'5	69'0	68'2	71'2	72'9	77'0	76'9	77'3	75'8	75'8	74'7
5	0	71'2	69'3	68'4	71'4	73'0	76'9	77'1	77'2	75'8	75'5	74'6
10	0	70'9	69'2	68'5	71'1	73'0	77'1	77'0	77'0	75'3	75'5	74'4
15	0	70'5	69'4	68'9	71'0	72'8	77'1	77'2	77'0	75'1	75'4	74'5
20	0	70'6	68'9	69'0	71'3	72'7	77'0	77'5	76'8	75'4	75'8	74'8
25	0	70'4	68'5	69'3	71'3	73'3	76'9	77'3	76'9	74'9	75'5	74'5
30	0	69'9	68'4	69'3	71'5	74'6	76'8	77'2	76'8	74'9	75'6	74'1
35	0	70'0	68'4	69'3	71'5	75'9	76'8	77'3	76'9	75'1	75'5	74'1
40	0	69'2	68'4	70'0	71'6	75'9	76'7	77'3	77'0	75'1	75'2	74'1
45	0	69'6	67'8	70'2	72'3	75'9	76'8	77'4	76'9	75'2	75'2	73'9
50	0	69'5	68'0	70'6	72'0	76'0	76'9	77'3	76'7	75'8	75'2	73'8
55	0	69'3	68'1	70'4	72'4	76'7	76'7	77'5	77'1	75'7	75'2	73'6
One Scale Division = '000229 parts of the H. F. HORIZONTAL FORCE.												
M.	s.											
2	0	70'8	70'4	69'7	68'4	66'5	64'9	67'8	68'6	66'8	66'5	67'6
7	0	70'7	70'3	69'5	67'9	66'6	65'0	67'6	69'0	66'8	66'8	68'5
12	0	70'6	70'2	69'5	67'9	66'0	65'1	67'5	68'9	66'6	67'4	69'1
17	0	70'6	70'1	69'3	68'1	64'2	65'8	67'5	68'5	66'5	67'6	69'3
22	0	70'5	70'1	69'5	68'5	62'7	66'1	67'4	67'8	66'7	67'3	69'5
27	0	70'2	70'1	69'0	68'3	61'2	66'8	67'4	67'5	66'8	67'3	69'2
32	0	69'9	69'7	69'0	68'1	62'0	67'4	67'6	67'0	67'0	67'8	69'2
37	0	70'1	69'8	68'8	67'6	62'8	67'5	68'0	67'2	66'9	67'9	69'2
42	0	70'3	69'7	68'6	67'5	62'1	67'7	67'9	67'0	66'1	67'7	69'2
47	0	70'2	69'7	68'8	67'2	62'9	68'1	68'4	67'3	65'8	68'2	69'4
52	0	70'2	69'9	68'2	67'0	63'5	67'8	68'3	66'6	66'0	68'4	69'5
57	0	70'0	69'7	68'3	66'7	63'9	68'2	69'4	66'3	66'2	68'5	69'5
Thermometer		50'9	51'0	51'2	51'5	52'0	52'0	52'7	53'3	53'7	54'2	54'5
One Scale Division = '000035 parts of the V. F. VERTICAL FORCE.												
M.	s.											
3	0	64'8	64'7	63'0	67'5	71'4	78'2	66'9	65'5	66'7	67'5	58'7
8	0	63'8	63'4	61'8	67'0	70'1	75'2	67'6	64'1	65'9	66'7	58'2
13	0	63'3	64'3	64'2	67'0	71'3	75'3	68'4	64'8	65'8	63'5	57'8
18	0	64'0	65'0	64'5	65'9	72'2	75'1	68'4	64'6	65'8	63'2	58'0
23	0	65'8	61'6	63'9	66'9	75'2	71'6	68'4	65'8	64'9	62'8	56'3
28	0	63'6	62'4	62'7	67'2	79'0	69'9	68'0	65'8	66'1	64'2	54'9
33	0	65'1	63'6	64'5	66'5	83'4	68'5	68'0	66'5	66'1	60'9	54'9
38	0	64'1	61'9	65'0	67'9	83'4	67'7	66'5	67'0	65'9	60'9	56'3
43	0	64'6	62'7	65'6	67'9	81'2	67'4	65'6	67'0	65'7	60'8	55'0
48	0	64'7	61'8	66'1	69'0	82'2	66'6	64'8	67'0	67'3	59'7	55'7
53	0	65'2	62'4	65'3	69'3	80'4	67'3	64'3	66'9	67'3	59'7	56'2
58	0	64'7	62'4	65'3	70'5	79'9	66'9	65'5	66'9	67'3	58'4	56'2
Thermometer		49'7	49'7	49'8	50'2	50'5	51'0	51'2	51'8	52'0	52'7	53'0
Increasing Numbers denote increasing easterly Declination,												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.			
				Dry.	Wet.	Direction.	Force.					
D.	H.	M.	In.									
20	10	0	29'625	44'3	44'0	W.N.W.	Fresh.	0'38	Fair.			
	11	0	29'639	46'2	44'7	W.N.W.	Fresh.	0'25	Fair.			
	12	0	29'653	49'3	46'2	N.N.W.	Fresh.	0'38	Fair.			
	13	0	29'633	52'0	47'0	N.N.W.	Light.	0'25	Fair.			
	14	0	29'605	55'0	48'4	N.N.W.	Fresh.	0'25	Fair.			
	15	0	29'607	57'0	50'0	N.N.W.	Fresh.	0'25	Fair.			
	16	0	29'604	59'3	51'4	N.W.	Moderate.	1'00	Overcast, with appearance of rain.			
	17	0	29'598	60'0	51'6	N.W.	Moderate.	1'00	Overcast, with haze and appearance of rain.			
	18	0	29'590	60'6	51'6	N.	Moderate.	0'62	Fair, with appearance of rain.			
	19	0	29'582	59'3	50'8	N.N.W.	Light.	0'62	Fair.			
	20	0	29'566	57'2	49'0	N.N.W.	Light.	0'38	Fair, with light haze.			
	21	0	29'559	54'6	47'2	N.W.	Fresh.	0'00	Fair, with hazy blue sky.			

MAGNETICAL OBSERVATIONS.

September 20th and 21st.

DECLINATION.

Angular Value of one Scale Division = 0'71.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div. 73.6	Sc. Div. 71.9	Sc. Div. 64.5	Sc. Div. 69.3	Sc. Div. 70.6	Sc. Div. 71.1	Sc. Div. 71.5	Sc. Div. 73.8	Sc. Div. 76.9	Sc. Div. 79.1	Sc. Div. 76.3	Sc. Div. 79.0	Sc. Div. 73.6
73.5	72.2	66.0	68.9	70.7	71.8	71.8	73.4	76.9	79.2	77.3	78.4	73.5
73.9	72.0	66.9	68.9	70.7	72.2	72.2	73.7	76.8	79.4	79.4	77.5	73.5
73.5	71.8	67.6	69.9	71.1	72.6	72.8	74.0	76.2	79.6	80.3	77.3	73.1
73.6	72.1	67.8	69.9	71.1	72.4	73.3	74.1	76.5	78.9	81.6	77.3	73.0
73.0	72.1	68.0	70.1	71.2	71.7	73.1	74.4	76.7	79.0	81.7	76.7	73.0
72.2	69.4	68.8	70.2	71.7	71.7	72.7	74.2	76.4	77.8	80.9	76.5	72.7
71.7	66.6	69.1	69.9	72.4	69.8	72.2	73.8	77.1	76.7	80.5	76.1	72.5
71.8	63.4	69.3	70.7	73.3	69.0	72.5	74.0	78.0	77.0	79.9	75.3	72.1
71.9	61.5	69.4	71.1	72.0	68.9	72.8	75.9	79.3	77.0	79.7	74.4	71.1
71.8	62.1	69.5	70.7	70.7	69.8	72.8	76.7	78.9	76.8	79.5	74.0	71.6
71.9	63.4	69.4	70.5	70.8	70.5	73.2	76.8	79.0	76.3	79.2	74.0	70.4

HORIZONTAL FORCE.

Change in the Magnetic moment of the Bar for 1° Fah°. = .000234.

69.8	66.6	68.8	70.3	68.3	70.2	69.9	70.1	70.7	71.1	71.7	69.9	71.3
69.8	66.6	68.6	69.7	68.1	70.4	69.7	70.4	71.0	71.0	70.9	69.7	71.5
69.6	66.6	69.1	69.8	68.5	71.2	69.5	70.6	71.2	71.3	69.8	69.6	70.9
69.9	66.9	69.7	69.7	68.6	72.0	69.9	70.4	71.2	71.3	69.7	70.0	70.9
70.3	67.3	70.2	69.5	68.5	72.2	70.0	69.6	71.2	71.4	69.7	70.3	70.9
70.5	67.5	70.8	69.5	68.2	72.3	70.0	70.0	71.0	71.3	69.7	70.5	70.8
70.6	66.3	71.4	69.4	71.3	72.0	70.1	70.0	71.0	71.3	69.7	70.5	70.9
70.5	65.5	71.5	69.5	72.1	71.7	70.0	70.0	71.0	71.5	69.6	70.7	71.0
69.6	66.2	71.4	69.3	70.9	71.3	70.2	69.7	70.9	71.9	69.8	70.6	71.5
68.0	68.3	71.0	69.5	70.7	70.7	70.1	70.4	71.0	72.0	69.8	71.0	71.5
67.5	69.6	70.7	69.9	70.0	70.5	70.0	70.4	71.1	71.7	70.0	71.0	71.5
66.6	69.5	70.5	69.1	70.0	70.1	70.1	70.2	71.1	72.1	70.0	71.2	71.4
54.7	55.0	55.0	55.0	55.0	55.0	54.8	54.7	54.5	54.2	54.2	54.2	54.0

VERTICAL FORCE.

Change in the Magnetic moment of the Bar for 1° Fah°. = .00021.

56.0	60.1	49.7	51.0	56.3	54.3	54.2	54.9	55.9	55.4	50.7	53.3	45.8
55.3	60.3	50.4	51.9	57.5	54.9	55.3	55.1	55.9	54.8	54.3	52.0	45.8
55.0	60.3	51.3	52.7	58.2	54.1	56.1	54.9	54.4	55.5	56.8	51.4	45.8
55.2	60.3	50.8	53.8	57.7	53.3	56.7	54.7	53.5	53.5	59.4	51.4	45.8
54.3	59.8	51.2	53.8	57.7	51.7	56.4	55.4	53.7	54.0	60.7	51.2	46.4
52.7	58.0	50.3	54.8	59.7	49.6	55.9	55.8	53.7	53.0	59.7	50.6	46.4
52.3	55.4	49.8	55.3	57.6	48.4	55.3	55.5	54.2	51.9	59.0	50.0	46.8
52.3	53.5	49.6	54.7	54.1	48.4	55.2	55.5	55.3	52.0	58.5	49.5	47.1
52.6	51.1	49.3	55.3	53.6	48.6	55.6	56.8	56.1	51.2	57.4	48.3	47.7
54.6	50.2	49.7	56.2	52.2	50.3	55.1	57.4	54.9	50.5	55.4	48.4	47.7
56.3	48.6	50.4	55.2	52.9	51.6	55.4	57.0	55.3	51.0	54.2	47.2	48.5
58.5	47.8	50.4	55.2	53.3	53.1	—	57.0	54.6	50.4	54.0	46.0	48.7
53.3	53.8	54.0	54.0	54.0	53.8	53.8	53.7	53.6	53.5	53.2	53.2	53.0

and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer. at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
		Dry.	Wet.	Direction.	Force.		
D. H. M.	In.						
20 22 0	29.541	52.5	46.0	N.W.	Fresh.	0.00	Fair.
23 0	29.530	51.2	49.6	N.W.	Fresh.	0.00	Fair.
21 0 0	29.509	49.5	44.7	N.N.W.	Moderate.	0.00	Bluesky, a thin haze, generally diffused.
1 0	29.512	48.2	43.9	N.W.	Moderate.	0.00	Fair; thin haze.
2 0	29.480	48.4	45.0	N.W. by N.	Fresh.	0.62	Squally appearance.
3 0	29.450	47.9	44.6	N.W.	Fresh.	0.62	Squally appearance.
4 0	29.420	47.2	44.3	N.W.	Fresh.	0.62	Threatening appearance in the west, thick haze.
5 0	29.386	47.0	44.0	N.W.	Fresh.	0.25	Misty.
6 0	29.341	47.2	44.6	N.W.	Fresh.	0.75	Partially clear.
7 0	29.304	47.0	44.6	N.W.	Moderate.	1.00	Overcast.
8 0	29.259	47.0	44.8	N.W.	Light.	1.00	Overcast, detached masses of cumuli.
9 0	29.220	47.8	46.3	N.W.	Fresh.	1.00	Overcast, with threatening appearances.

October 18th and 19th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0°71.					DECLINATION.					
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
M.	s.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0		68°9	68°2	67°2	68°6	70°8	73°9	77°9	77°6	77°2	75°8	74°8
5	0		68°0	67°3	67°3	68°6	70°8	74°0	78°2	77°1	77°2	75°9	74°6
10	0		68°4	66°7	67°5	68°8	71°0	74°2	78°1	77°4	77°0	75°7	74°6
15	0		68°5	67°0	67°5	68°9	71°3	74°5	78°3	77°9	76°8	75°7	74°6
20	0		67°4	66°3	68°0	68°9	71°4	74°7	78°8	77°9	76°9	75°5	74°5
25	0		67°9	66°8	68°3	69°6	71°8	74°8	79°6	77°7	76°5	75°5	74°4
30	0		67°1	67°0	68°0	68°8	72°2	75°4	78°9	77°7	76°4	75°5	74°4
35	0		67°5	67°2	68°3	69°6	72°7	75°6	79°0	77°7	76°2	75°4	74°3
40	0		65°9	67°9	68°1	69°5	72°8	76°2	78°1	77°7	76°2	75°3	74°0
45	0		67°3	66°9	68°2	70°0	73°0	76°7	77°8	77°8	76°1	75°3	73°8
50	0		67°7	67°3	68°1	70°6	73°4	77°2	77°6	77°5	76°0	75°1	73°8
55	0		67°3	67°2	68°6	70°9	73°8	77°6	77°5	77°2	75°9	74°8	74°0
			One Scale Division = .000229 parts of the H. F.					HORIZONTAL FORCE.					
M.	s.												
2	0		73°6	72°3	71°8	71°0	70°7	68°5	69°0	68°6	71°6	73°9	73°2
7	0		73°2	72°1	71°7	70°6	70°8	67°9	68°5	68°9	71°8	74°2	73°0
12	0		73°1	71°7	71°9	70°7	71°1	67°1	68°5	69°1	72°0	74°0	73°2
17	0		73°7	72°0	71°8	70°8	70°9	67°0	68°0	69°5	72°5	73°6	73°2
22	0		73°3	71°7	71°7	70°9	70°5	66°6	68°6	69°9	72°5	73°3	73°0
27	0		73°1	71°6	71°4	70°5	70°4	67°0	69°1	70°2	72°5	73°1	72°8
32	0		72°8	71°7	71°0	70°9	70°2	66°7	68°0	70°6	72°5	73°3	73°0
37	0		72°8	72°2	70°9	70°9	70°0	66°4	68°1	70°9	72°8	73°1	73°0
42	0		72°0	71°6	71°3	70°9	69°4	66°4	68°5	71°3	73°0	73°3	73°3
47	0		72°6	71°4	71°1	71°2	69°4	67°1	67°7	71°3	73°0	73°3	72°9
52	0		72°3	71°7	71°5	71°1	69°7	68°0	67°6	71°2	73°6	73°1	72°8
57	0		72°5	71°6	71°4	71°0	69°2	68°5	69°2	71°5	73°6	73°3	73°0
Thermometer			57°5	57°7	57°8	58°0	58°0	58°4	58°6	58°8	59°2	59°4	59°4
			One Scale Division = .000035 parts of the V. F.					VERTICAL FORCE.					
M.	s.												
3	0		41°6	42°9	44°1	41°7	44°0	48°5	49°3	49°2	39°2	35°7	35°1
8	0		40°8	43°9	44°0	42°4	43°6	49°0	50°7	48°8	39°1	34°7	36°5
13	0		40°8	44°4	43°9	44°5	44°4	51°4	52°0	47°7	38°8	34°7	35°3
18	0		41°7	44°4	42°8	43°5	44°7	51°0	51°4	46°7	37°7	36°1	35°9
23	0		41°7	43°3	42°4	44°0	43°7	50°8	53°3	45°3	37°4	36°1	35°9
28	0		41°7	44°1	43°3	43°7	45°9	52°3	52°6	44°0	36°4	35°5	36°3
33	0		42°2	44°6	43°3	44°3	45°4	53°7	51°4	43°1	36°4	35°5	36°3
38	0		42°6	45°9	43°5	44°0	46°4	53°8	52°2	42°0	36°4	35°9	36°0
43	0		43°0	43°1	43°5	43°3	46°9	54°1	52°3	41°6	36°8	35°7	36°0
48	0		43°0	44°0	42°8	43°9	47°6	54°3	52°0	40°8	36°8	35°2	36°0
53	0		43°8	44°4	42°3	43°8	47°5	53°1	50°8	40°8	36°3	35°9	36°2
58	0		43°8	44°4	42°3	44°0	47°5	50°8	50°4	39°7	36°3	35°8	36°4
Thermometer			56°2	56°2	56°0	56°8	56°8	57°0	57°2	57°5	57°8	58°0	58°0
Increasing Numbers denote increasing easterly Declination,													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°								
18	10	0	29°687	51°0	43°7	W.	Light.	0°50	Partially clear.				
	11	0	29°689	52°4	44°8	—	Calm.	0°13	Generally clear.				
	12	0	29°686	54°5	45°9		Variable.	0°25	Generally clear.				
	13	0	29°652	57°0	46°8	S.W.	Fresh.	0°00	Blue sky, with haze.				
	14	0	29°652	59°0	49°0	W.	Fresh.	0°25	Generally clear.				
	15	0	29°647	60°5	47°8	S.W.	Moderate.	0°13	Generally clear.				
	16	0	29°654	62°2	49°3	S.S.E.	Moderate.	0°00	Clear blue sky.				
	17	0	29°654	61°5	46°5	S.S.W.	Fresh(squally)	0°13	Generally clear.				
	18	0	29°665	61°2	47°0	S.S.W.	Fresh(squally)	0°13	Generally clear.				
	19	0	29°677	59°8	48°1	S.W.	Moderate.	0°13	Generally clear.				
	20	0	29°693	57°0	46°0	S.W.	Fresh.	0°00	Fair, clear blue sky.				
	21	0	29°726	53°0	44°0	S.W.	Fresh.	0°25	Generally clear.				

MAGNETICAL OBSERVATIONS. October 18th and 19th.

DECLINATION. Angular Value of one Scale Division = 0'71.

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.
73°9	73°2	73°1	71°5	72°2	71°2	71°6	71°5	72°0	74°4	72°5	72°3	73°4
74°0	73°1	73°1	71°7	72°2	71°8	72°3	71°2	75°3	74°1	72°5	72°4	73°4
74°1	73°0	72°8	71°6	72°0	72°3	72°3	71°0	77°0	73°9	72°3	72°5	71°9
74°0	73°0	72°7	72°2	72°0	72°5	72°8	71°0	78°0	73°9	72°1	72°7	72°4
74°0	72°9	72°7	72°2	72°0	72°2	73°6	71°1	78°4	73°9	72°1	73°1	71°4
74°0	73°0	72°8	72°3	72°2	72°0	73°9	71°2	77°8	73°5	72°3	73°0	71°1
74°0	73°1	72°3	72°3	71°1	71°0	73°7	71°3	77°1	73°3	72°2	73°0	71°2
73°7	73°3	72°8	72°3	71°0	70°2	73°6	71°4	76°3	73°1	72°2	73°0	71°0
73°8	73°2	72°4	72°4	70°5	70°0	73°9	71°1	75°2	73°0	72°0	73°1	70°8
73°6	73°3	72°2	72°5	70°6	70°2	73°6	70°5	74°8	72°6	72°0	72°7	70°6
73°5	73°1	72°3	72°6	70°8	70°5	72°8	71°0	74°8	72°7	71°9	72°8	70°2
73°2	73°2	72°3	72°4	71°1	71°0	71°8	71°2	74°4	72°5	72°0	73°3	70°0

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.

72°8	73°5	73°1	74°0	73°3	73°5	73°0	75°1	73°3	74°1	75°0	75°1	75°1
73°0	73°1	72°8	73°9	73°2	73°6	73°6	75°2	73°5	74°2	75°0	74°6	74°7
73°0	73°1	72°8	73°3	73°8	74°1	74°0	74°4	73°4	74°4	75°0	74°9	74°8
73°0	73°2	73°2	73°1	74°6	74°7	74°7	74°2	74°0	74°7	75°0	74°6	74°9
72°9	72°9	73°1	72°7	76°0	74°9	74°8	74°2	74°5	74°7	74°9	74°7	74°7
73°1	72°9	72°7	72°9	75°9	74°9	75°1	73°8	74°9	74°5	75°1	74°5	74°7
73°6	72°5	72°5	73°1	75°6	74°6	74°9	74°0	75°1	74°9	75°3	74°6	74°7
73°1	72°7	72°6	73°1	75°4	74°2	75°2	74°2	74°7	75°0	75°4	74°8	74°5
72°9	72°9	72°3	73°3	75°0	74°0	75°2	74°2	74°7	74°6	75°5	75°2	74°5
73°1	72°5	72°4	73°3	74°9	74°1	75°3	74°1	74°4	74°7	75°3	75°3	74°5
73°1	72°5	72°8	73°4	74°4	73°8	75°4	73°5	74°2	74°8	75°4	75°3	74°6
72°9	73°1	73°4	73°5	74°0	73°2	75°1	73°4	74°2	74°7	75°2	75°0	74°4
59°4	59°0	59°0	59°0	59°0	59°0	58°8	58°4	58°0	57°8	57°7	57°0	56°8

VERTICAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.

36°4	34°2	36°2	34°4	37°2	36°5	39°0	36°0	41°1	38°9	37°0	39°5	—
37°2	33°7	35°7	34°4	36°6	37°7	39°7	36°2	43°9	38°9	37°0	40°6	42°4
36°4	34°8	35°9	36°0	35°5	37°7	39°7	34°5	45°2	38°3	37°8	40°6	42°3
36°2	35°6	35°8	36°5	33°9	37°1	38°5	38°0	45°5	38°0	37°8	41°3	—
36°2	35°5	35°8	36°5	32°9	35°5	37°7	37°5	44°3	37°7	38°1	42°3	45°0
35°9	35°9	35°0	37°2	31°3	34°7	37°1	35°9	41°5	37°7	37°8	42°9	—
35°9	35°0	36°1	37°2	31°8	34°3	36°6	37°6	41°3	37°0	38°1	43°3	43°9
35°5	35°7	36°5	37°3	32°0	34°7	36°7	37°7	38°6	37°0	37°0	43°3	42°5
35°9	35°8	37°3	37°3	32°2	34°4	36°2	36°6	38°5	37°0	37°0	42°4	42°7
35°7	35°9	36°6	37°3	33°4	35°7	36°2	36°5	38°4	37°0	37°0	—	43°0
35°7	37°0	37°7	37°3	34°3	36°0	34°4	37°9	38°8	37°5	37°9	41°4	43°1
35°4	37°0	37°0	37°3	35°3	37°3	34°8	38°6	38°7	37°5	37°9	43°0	43°2
58°2	58°2	58°0	58°0	58°0	57°8	57°4	57°2	56°8	56°5	56°2	56°0	55°2

and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.		
		Dry.	Wet.	Direction.	Force.				
D. 18	H. 22	M. 0	In. 29°761	51°0	43°6	S.S.W.	Fresh.	0°25	Generally clear.
			29°779	49°4	43°3	—	Calm.	0°00	Clear blue sky.
19	0	0	29°796	48°2	42°5	—	Calm.	0°00	Blue sky.
	1	0	29°800	45°8	41°3	—	Calm.	0°00	Clear.
	2	0	29°801	45°5	40°3	—	Calm.	0°00	Clear; starlight.
	3	0	29°798	43°0	39°4	W.	Light.	0°00	Clear blue sky; fair.
	4	0	29°808	41°6	38°4	—	Calm.	0°00	Blue sky; starlight.
	5	0	29°820	40°0	37°7	—	Calm.	0°00	Clear; starlight.
	6	0	29°828	39°0	36°5	—	Calm.	0°00	Blue sky; moon rising.
	7	0	29°827	38°6	36°7	—	Calm.	0°00	Clear; fair.
	8	0	29°829	39°0	36°4	S.	Light.	0°62	Partially clear.
	9	0	29°844	41°2	39°8	N.W.	Light.	0°38	Partially clear.

November 24th and 25th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'71.					DECLINATION.					
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
M.	s.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0		65°8	62°9	63°9	68°2	74°1	80°2	83°1	83°9	82°8	80°0	
5	0		65°8	64°5	64°2	68°7	74°6	80°3	83°2	84°0	82°6	79°8	
10	0		65°8	63°7	64°4	69°1	75°0	80°8	83°2	83°9	82°2	79°7	
15	0		65°0	63°6	65°0	69°8	75°6	81°1	83°3	83°9	82°1	79°2	
20	0		65°4	63°8	65°2	70°3	76°1	81°4	83°8	84°0	81°7	79°2	
25	0		65°2	63°3	65°8	70°8	76°8	81°6	83°8	83°9	81°6	79°0	
30	0		65°2	63°2	66°1	71°3	77°2	81°9	83°8	83°9	81°4	79°0	
35	0		65°2	63°1	66°7	71°8	77°9	82°1	83°7	83°7	81°0	79°8	
40	0		64°7	63°2	67°0	72°2	78°4	82°4	83°8	83°6	80°5	78°6	
45	0		64°0	63°9	67°2	72°6	78°8	82°4	83°9	83°3	80°3	78°2	
50	0		64°7	63°4	67°8	73°0	79°2	82°8	83°9	83°1	80°2	78°1	
55	0		64°4	63°6	68°0	73°6	79°5	83°0	84°0	82°8	80°5	78°0	
			One Scale Division = '000229 parts of the H. F.					HORIZONTAL FORCE.					
M.	s.												
2	0		82°9	79°8	76°9	75°7	75°7	77°8	80°8	82°2	82°5	82°0	
7	0		82°8	79°5	77°0	75°4	75°7	77°7	80°9	82°2	82°3	81°6	
12	0		82°8	79°4	76°8	75°4	75°8	77°8	80°9	82°3	82°3	81°1	
17	0		82°4	79°3	76°9	75°3	76°5	78°1	81°2	82°5	81°9	80°8	
22	0		82°0	79°0	77°0	75°4	76°5	78°5	81°3	82°5	81°6	81°3	
27	0		81°6	78°8	76°7	75°5	76°6	78°4	81°3	82°8	81°8	81°1	
32	0		81°7	78°7	76°6	75°5	76°9	78°8	81°1	83°0	82°1	81°0	
37	0		81°2	78°4	76°5	75°5	76°6	79°0	81°2	83°1	82°4	80°4	
42	0		81°0	78°2	76°2	75°5	78°0	79°4	81°3	83°3	82°3	80°6	
47	0		80°5	77°8	76°3	75°6	78°0	79°8	81°4	83°0	81°9	81°1	
52	0		80°2	77°7	76°2	75°8	78°2	79°9	82°0	82°5	82°0	80°9	
57	0		80°2	77°4	75°9	75°7	78°0	80°5	81°9	82°3	82°3	80°9	
Thermometer			58°8	58°8	58°8	59°0	59°3	59°4	59°6	60°0	60°4	60°5	61°1
			One Scale Division = '000035 parts of the V. F.					VERTICAL FORCE.					
M.	s.												
3	0		31°6	35°8	41°1	43°0	43°8	41°9	36°7	34°4	30°9	30°3	
8	0		31°9	35°3	41°1	44°5	42°3	41°3	36°4	34°4	31°4	30°7	
13	0		31°9	35°9	41°1	43°4	43°1	41°7	36°7	34°7	31°1	30°9	
18	0		32°4	36°6	41°6	43°5	42°5	41°5	36°4	33°7	31°1	30°9	
23	0		32°7	36°6	42°5	44°7	42°3	41°0	34°9	33°1	31°4	31°2	
28	0		32°7	36°9	41°2	44°6	42°7	41°2	34°9	33°1	31°4	30°8	
33	0		33°9	36°9	42°6	43°5	42°8	39°9	35°2	32°5	31°1	31°6	
38	0		33°2	37°4	42°6	43°2	42°0	39°6	35°2	31°4	30°1	31°6	
43	0		34°6	38°0	43°2	43°6	41°5	39°2	35°2	31°7	30°1	31°6	
48	0		34°6	37°7	44°0	41°6	41°7	38°6	35°5	30°7	30°1	31°4	
53	0		34°5	39°0	43°1	42°0	41°6	38°1	35°0	30°9	30°1	30°7	
58	0		35°0	38°8	43°2	42°5	41°5	37°5	34°4	30°9	30°1	30°9	
Thermometer			57°4	57°4	57°4	57°8	57°8	58°1	58°0	58°3	58°7	59°2	59°6
Increasing Numbers denote increasing easterly Declination.													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.										
24	10	0	29°862	53°8	49°2	N.W.	Fresh.	1°00	Overcast and gloomy.				
	11	0	29°860	54°8	49°0	N.W.	Fresh.	1°00	Overcast; nimbus in all directions.				
	12	0	29°846	56°7	50°5	N.W.	Moderate.	1°00	Overcast, with appearance of rain.				
	13	0	29°830	58°4	51°5	N.N.W.	High.	1°00	Overcast and gloomy; strat.				
	14	0	29°806	60°8	53°0	N.N.W.	High.	1°00	Overcast and gloomy; strat.				
	15	0	29°791	63°8	55°3	N.W.	Fresh(squally)	1°00	Overcast; cum; hazy atmosphere.				
	16	0	29°781	64°8	55°0	N.W.	Fresh(squally)	1°00	Overcast (cum-strat).				
	17	0	29°763	65°2	56°3	N.W.	Moderate.	1°00	Overcast; cum-strat with nimbus.				
	18	0	29°755	65°8	56°8	N.W.	Moderate.	1°00	Overcast.				
	19	0	29°758	66°0	56°0	N.N.W.	Light.	0°62	Partially clear, and cum.				
	20	0	29°759	70°0	59°8	N.N.W.	Light.	0°62	Partially clear, and cum.				
	21	0	29°769	67°6	55°0	S.W.	Moderate.	1°00	Nearly overcast with cum-strat; heavy bank in S.W.				

MAGNETICAL OBSERVATIONS. November 24th and 25th.

DECLINATION. Angular Value of one Scale Division = 0°71.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div. 75°6	Sc. Div. 74°8	Sc. Div. 74°2	Sc. Div. 73°7	Sc. Div. 73°2	Sc. Div. 72°4	Sc. Div. 72°2	Sc. Div. 72°8	Sc. Div. 73°3	Sc. Div. 73°2	Sc. Div. 72°8	Sc. Div. 72°3	Sc. Div. 70°0
75°6	74°6	74°1	73°6	73°2	72°3	72°2	72°6	73°3	73°2	72°8	72°1	70°0
75°3	74°4	74°1	73°6	73°2	72°5	72°5	72°9	73°3	73°2	72°8	72°0	70°0
75°2	74°4	74°1	73°4	73°2	72°5	72°7	73°1	73°3	73°2	72°7	71°9	70°0
75°1	74°3	74°0	73°4	72°8	72°7	72°5	73°0	73°3	73°2	72°8	72°0	70°0
75°0	74°2	73°9	73°4	73°0	72°8	72°2	73°1	73°4	73°0	72°7	71°8	69°6
75°0	74°1	73°8	73°2	73°0	72°8	72°9	73°3	73°3	73°1	72°8	71°2	69°5
75°0	74°2	73°8	73°4	73°0	72°8	73°4	73°2	73°3	73°0	72°7	71°3	69°1
75°1	74°1	73°8	73°2	73°0	73°0	73°2	73°2	73°3	73°2	72°6	71°0	68°6
75°0	74°1	73°7	73°2	73°0	72°8	73°3	73°3	73°4	72°8	72°6	70°8	68°0
75°0	74°2	73°8	73°4	73°0	72°7	73°2	73°2	73°5	72°8	72°6	70°8	68°2
74°8	74°2	73°7	73°2	72°7	72°6	72°9	73°3	73°4	72°8	72°3	70°2	67°8

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah°. = °000234.

79°9	80°3	80°3	79°4	79°4	79°7	79°1	79°3	78°9	79°2	79°3	80°2	80°4
79°7	80°1	80°2	79°4	79°4	79°5	78°7	79°1	78°9	79°2	79°4	80°0	80°5
79°6	80°1	80°1	79°5	79°4	79°3	78°7	79°1	79°0	79°2	79°7	80°2	80°6
79°8	80°0	80°1	79°6	79°1	78°9	78°5	78°9	79°0	79°3	79°6	80°1	80°7
80°0	80°2	80°0	79°4	79°2	79°1	78°5	79°0	79°1	79°4	79°6	80°3	80°8
80°0	80°1	80°0	79°6	79°2	79°2	78°5	79°0	79°1	79°4	79°7	80°2	80°9
80°1	80°1	79°8	79°6	79°2	79°4	79°0	78°9	79°0	79°4	79°7	80°2	80°8
80°1	80°1	79°7	79°7	79°1	79°6	79°5	78°8	79°1	79°4	79°8	80°2	80°5
80°2	80°1	79°7	79°6	78°9	80°0	80°2	78°8	79°1	79°4	79°9	80°4	80°3
80°2	80°3	79°4	79°6	79°2	79°9	80°1	78°9	79°1	79°4	80°0	80°3	80°7
80°3	80°2	79°5	79°6	79°2	79°8	79°6	78°9	79°2	79°3	80°1	80°6	80°5
80°3	80°1	79°6	79°6	79°6	79°3	79°5	78°9	79°1	79°3	80°1	80°2	80°6

61°4	61°8	62°0	62°2	62°5	62°5	62°7	62°7	62°6	62°4	62°0	62°0	61°8
------	------	------	------	------	------	------	------	------	------	------	------	------

VERTICAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah°. = °00021.

30°7	28°0	26°1	26°1	24°8	24°4	23°9	21°4	24°3	24°2	24°3	24°2	23°4
30°7	27°4	26°1	26°1	24°9	24°4	25°0	22°5	24°3	24°0	24°5	24°2	23°7
30°7	27°7	25°9	26°0	25°1	25°0	25°7	22°9	24°2	24°1	24°5	23°8	23°6
30°7	27°4	26°0	26°0	25°3	25°0	25°7	23°6	24°1	24°2	24°7	23°8	23°6
30°7	27°1	25°7	26°0	25°7	25°0	26°0	23°9	24°1	23°8	24°5	24°1	22°8
29°4	27°0	25°9	25°6	25°9	24°8	26°6	24°3	24°1	23°9	24°8	23°5	22°6
28°8	26°9	25°8	25°6	25°0	24°1	26°1	24°2	24°1	23°6	24°4	23°8	22°4
28°7	26°9	26°1	25°4	25°6	23°6	25°5	24°3	24°1	23°8	24°5	24°3	22°2
28°7	27°2	25°8	25°4	25°6	23°2	24°3	24°6	24°1	24°0	24°5	24°1	22°7
28°1	26°8	26°0	25°7	25°2	23°2	23°7	24°5	24°3	24°2	24°5	23°4	22°7
28°1	26°3	26°2	24°8	25°2	23°2	23°2	24°5	24°4	24°0	24°4	23°4	23°0
27°7	26°7	26°1	23°3	24°4	23°2	23°2	24°4	24°2	24°3	24°2	23°4	23°5

59°9	60°3	60°6	60°9	61°2	61°5	61°2	61°2	61°4	61°1	60°6	60°8	60°8
------	------	------	------	------	------	------	------	------	------	------	------	------

and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer. at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
		Dry.	Wet.	Direction.	Force.		
D. H. M. 24 22 0	In. 29°787	62°9	54°9	—	Calm.	0°75	Cum-strat, with unsettled appearance; bank continuing in S.W.
23 0	29°816	60°8	54°3	W.	Light.	1°00	Overcast (Strat.)
25 00 0	29°837	59°5	53°9	—	Calm.	0°75	Partially clear, with cir-cum.
01 0	29°845	58°5	53°0	W.	Light.	0°13	Generally clear; a few cum-strat clouds.
02 0	29°861	57°0	52°2	W.	Light.	0°13	Generally clear; a few cum-strat clouds.
03 0	29°864	55°5	51°7	—	Calm.	0°25	Generally clear; a few patches of cum-strat to the S.E.
04 0	29°865	53°2	49°2	—	Calm.	0°13	Fair.
05 0	29°866	52°6	49°3	N.W.	Light.	0°00	Blue sky, and clear.
06 0	29°872	51°1	47°6	N.W.	Light.	0°13	Generally clear, with a dark bank in S.E. horizon.
07 0	29°904	50°0	47°1	—	Calm.	0°38	Partially clear, with cir-strat.
08 0	29°914	50°4	47°9	—	Calm.	0°25	Clear and fine weather.
09 0	29°940	53°5	51°0	N.W.	Light.	0°13	Generally clear, a few cum-clouds.

December 20th and 21st.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'71.					DECLINATION.					
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
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		65'2	64'4	63'6	65'6	69'2	75'8	80'7	83'4	83'2	82'0	78'9
5	0		65'1	64'8	63'6	65'9	69'7	76'3	80'9	83'4	83'2	81'9	78'7
10	0		65'0	64'7	64'0	66'1	70'2	76'9	81'4	83'7	83'2	81'8	78'3
15	0		65'3	64'3	63'8	66'4	71'0	77'2	81'7	83'8	83'2	81'5	78'2
20	0		65'6	64'1	63'8	66'6	71'5	77'8	82'0	83'7	82'9	81'2	77'9
25	0		64'9	64'1	63'9	66'9	71'8	78'1	82'2	83'7	82'8	80'8	77'7
30	0		64'9	64'0	64'1	67'3	72'3	78'8	82'5	83'7	82'8	80'7	77'5
35	0		64'4	63'8	64'2	67'5	73'0	79'0	82'7	83'6	82'8	80'2	77'3
40	0		63'9	63'4	64'3	68'0	73'6	79'3	82'8	83'7	82'7	80'0	77'1
45	0		64'3	63'1	64'7	68'2	74'0	79'8	83'2	83'8	82'6	79'8	76'9
50	0		64'5	63'1	65'0	68'4	74'7	80'0	83'3	83'6	82'4	79'2	76'7
55	0		64'5	63'2	65'5	68'9	75'2	80'3	83'4	83'4	82'2	79'2	76'3
			One Scale Division = '000229 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	0		84'8	82'7	81'1	80'4	79'7	79'8	80'7	82'5	84'4	83'5	83'0
7	0		84'5	82'6	81'0	80'2	79'9	80'0	80'9	82'8	84'3	83'5	82'9
12	0		84'2	82'3	80'9	80'1	80'0	80'1	81'1	83'2	84'3	83'6	82'9
17	0		84'2	82'1	80'5	80'0	79'7	80'1	81'6	83'5	84'2	83'4	82'8
22	0		84'0	82'0	80'6	80'0	79'6	80'0	81'7	83'5	84'1	83'3	82'7
27	0		83'7	81'8	80'6	80'1	79'5	80'0	81'9	83'7	84'0	83'2	82'4
32	0		83'6	81'7	80'6	80'1	79'7	80'2	81'9	83'7	84'0	83'2	82'4
37	0		83'3	81'3	80'6	80'1	79'8	80'3	82'0	83'9	84'0	83'1	82'4
42	0		83'2	81'3	80'7	80'0	79'8	80'5	82'2	84'0	83'8	83'2	82'3
47	0		83'2	81'3	80'6	79'8	79'8	80'3	82'3	84'1	83'7	83'2	82'3
52	0		82'8	81'3	80'7	79'9	80'0	80'4	82'5	84'2	83'8	82'9	82'2
57	0		82'6	81'2	80'5	79'6	80'0	80'5	82'3	84'3	83'7	82'9	82'1
Thermometer			62'4	62'5	62'8	63'2	63'6	64'0	64'6	65'4	66'0	67'0	67'6
			One Scale Division = '000035 parts of the V. F.					VERTICAL FORCE.					
M.	S.												
3	0		19'4	23'4	23'9	27'1	26'8	27'6	24'1	19'7	15'2	13'6	10'1
8	0		21'2	24'2	24'5	25'6	26'6	27'6	24'2	19'3	14'8	13'6	10'1
13	0		21'6	24'2	24'8	27'3	28'7	27'1	24'8	19'2	14'6	12'9	8'6
18	0		21'6	24'2	24'8	24'9	28'7	26'5	22'2	18'3	14'6	12'9	9'1
23	0		21'2	24'2	25'3	25'2	28'3	26'9	21'1	17'7	14'6	12'9	8'7
28	0		21'4	24'2	24'8	26'2	28'3	25'9	21'7	17'8	14'3	12'2	7'4
33	0		22'2	24'2	25'3	27'3	28'5	25'6	20'0	17'1	14'0	12'2	8'1
38	0		22'2	23'8	26'0	27'5	27'9	25'4	21'4	16'9	14'0	12'2	6'7
43	0		22'2	23'8	26'0	27'6	28'2	25'0	21'1	16'5	14'0	11'7	6'7
48	0		22'4	23'8	26'0	25'5	28'1	24'7	20'4	16'0	13'6	11'1	6'7
53	0		23'2	24'3	26'7	28'0	27'9	24'7	20'3	15'7	13'6	11'1	6'3
58	0		23'2	23'9	26'2	28'3	27'6	24'4	19'1	16'2	13'6	10'7	5'5
Thermometer			60'5	60'5	60'7	61'1	61'6	62'2	62'8	63'6	64'2	65'0	65'8
Increasing Numbers denote increasing easterly Declination.													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°								
20	10	0	30'010	57'4	51'4	—	Calm.	0'00	Blue sky, with haze.				
	11	0	29'997	62'2	52'7	—	Calm.	0'00	Blue sky, with haze.				
	12	0	29'988	66'4	55'2	—	Calm.	0'00	Blue sky, with cirri.				
	13	0	29'961	67'9	57'7	E.	Moderate.	1'00	Nearly overcast.				
	14	0	29'929	71'7	59'9	E.S.E.	Moderate.	0'62	Partially clear, hazy, cir and cir-strat.				
	15	0	29'906	75'2	62'0	S.E.	Fresh.	0'62	Partially clear, cir-strat and cum.				
	16	0	29'887	76'0	62'8	S.E.	Moderate.	0'25	Fair, hazy.				
	17	0	29'859	78'8	63'9	S.E.	Fresh.	0'25	Generally clear, hazy.				
	18	0	29'832	77'8	62'9	S.E.	Moderate.	0'38	Partially clear.				
	19	0	29'797	79'2	62'1	S.E.	Moderate.	0'00	Dense haze.				
	20	0	29'774	78'8	62'9	S.S.E.	Fresh.	0'25	Fair, hazy.				
	21	0	29'753	74'4	62'0	S.S.E.	Moderate.	0'25	Generally clear.				

MAGNETICAL OBSERVATIONS. December 20th and 21st.

DECLINATION. Angular Value of One Scale Division = 0'71

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div. 76'3	Sc. Div. 74'4	Sc. Div. 73'9	Sc. Div. 73'5	Sc. Div. 73'5	Sc. Div. 72'6	Sc. Div. 72'3	Sc. Div. 72'3	Sc. Div. 72'5	Sc. Div. 72'3	Sc. Div. 71'2	Sc. Div. 70'0	Sc. Div. 69'7
76'1	74'5	73'9	73'4	73'5	72'8	72'4	72'2	73'0	71'8	71'0	70'1	69'8
75'9	74'3	73'8	73'5	73'4	72'8	72'6	72'2	73'2	71'8	71'0	70'0	69'0
75'8	74'2	73'8	73'5	73'3	72'6	72'8	72'2	73'2	72'1	70'7	69'8	68'6
75'7	74'2	73'8	73'6	73'3	72'5	72'9	72'2	73'2	72'0	70'0	69'9	68'5
75'3	74'2	73'8	73'7	73'2	72'5	73'1	72'2	73'0	72'0	70'0	69'4	68'0
75'2	74'2	73'8	73'7	73'4	72'5	72'9	72'7	73'1	72'0	69'4	69'4	67'8
75'1	74'1	73'7	73'6	73'1	72'5	72'9	72'9	73'2	72'0	69'3	69'4	67'6
75'0	74'0	73'7	73'5	73'2	72'4	73'0	73'1	73'2	71'8	69'4	69'4	67'5
74'8	74'0	73'7	73'6	73'2	72'4	73'1	72'8	72'9	71'8	69'2	69'7	67'3
74'7	73'9	73'8	73'6	73'0	72'4	72'9	72'6	72'8	71'4	69'5	69'5	67'3
74'6	74'0	73'5	73'6	72'8	72'5	72'4	72'5	72'6	71'2	69'3	69'4	67'2

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.

82'2	81'2	81'2	81'0	81'2	81'0	80'6	80'8	80'0	80'2	80'3	80'8	81'3
82'2	81'2	81'0	80'8	81'2	81'2	80'6	80'9	80'4	80'3	80'3	80'8	81'2
82'2	81'4	81'0	80'8	81'2	80'9	80'6	80'4	80'4	80'3	80'2	80'7	81'0
82'1	81'5	81'0	80'8	81'2	80'9	80'8	80'1	80'5	80'3	80'6	80'9	81'0
82'0	81'6	81'0	80'8	81'0	80'9	80'9	79'6	80'4	80'4	80'5	81'1	81'0
81'9	81'2	81'1	81'0	81'2	80'6	80'7	79'7	80'1	80'4	80'3	81'1	80'9
81'8	81'2	81'0	81'0	81'0	80'7	81'0	80'3	80'3	80'4	80'4	81'3	81'0
81'7	81'2	81'2	81'2	81'2	80'7	81'1	80'8	80'5	80'3	80'4	81'2	81'2
81'6	81'3	81'0	81'0	81'1	80'7	81'0	81'0	80'7	80'7	80'5	81'2	81'3
81'6	81'4	81'0	80'8	81'0	80'5	80'9	80'5	80'5	80'2	80'5	81'2	81'1
81'4	81'2	81'0	81'4	81'0	80'5	80'9	80'0	80'7	80'3	80'6	81'2	81'2
81'3	81'3	80'8	81'4	81'2	80'4	80'8	79'9	80'8	80'1	80'7	81'2	80'8
68'2	68'6	69'0	69'2	69'4	69'2	69'5	69'5	69'3	69'2	69'0	68'8	68'6

VERTICAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.

5'0	3'3	0'7	-0'4	-1'3	-1'4	-0'3	-1'8	1'0	0'5	2'1	2'3	1'7
5'1	2'9	0'7	-0'4	-1'5	-1'2	-0'2	-2'1	0'6	0'9	2'1	3'1	0'8
5'1	2'7	0'9	-0'4	-1'6	-1'2	0'0	-1'8	1'3	0'9	2'1	2'9	1'0
4'9	2'7	0'9	—	-1'3	-1'2	0'0	-0'6	0'2	1'0	1'7	2'6	0'3
4'4	2'7	0'9	-0'3	-1'5	-1'6	0'0	-1'1	0'3	1'4	1'3	1'6	0'3
4'7	1'9	0'6	-0'5	-1'2	-1'6	-0'8	1'1	0'8	1'4	1'3	1'3	0'3
4'2	2'0	0'4	-0'6	-1'4	-1'4	-0'8	1'2	0'8	1'4	1'7	1'4	0'3
5'3	2'0	0'1	-0'9	-1'0	-1'4	-1'0	1'1	1'1	1'1	1'7	1'4	0'3
3'8	1'4	0'1	-0'8	-1'3	-1'3	-1'4	-0'9	0'9	1'6	1'2	1'4	-0'5
5'2	0'9	0'1	-1'3	-1'7	-1'3	-1'9	-1'4	0'7	1'8	—	1'7	0'0
4'8	0'9	-0'2	-0'9	-1'0	-1'0	-1'9	-0'1	0'0	2'1	2'9	15'0	-0'1
4'8	0'9	-0'6	-1'2	-1'0	-1'0	-2'1	1'5	0'4	2'1	—	0'9	1'4
66'5	67'0	67'6	68'0	68'2	68'2	68'0	68'2	68'0	67'7	67'4	67'4	67'4

and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.		
		Dry.	Wet.	Direction.	Force.				
D. 20	H. 22	M. 0	In. 29'735	72'5	62'2	S.S.E.	Moderate.	0'13	Fair; thick haze.
			29'715	69'0	62'8	—	Calm.	0'00	Blue sky with haze.
			29'708	66'2	60'2	—	Calm.	0'00	Blue sky with haze.
			29'683	64'5	59'5	—	Calm.	0'00	Clear; starlight.
			29'666	64'8	58'7	—	Calm.	0'00	Clear; starlight.
			29'646	64'5	55'9	—	Calm.	0'00	Perfectly clear sky.
			29'625	64'0	55'7	N.W.	Moderate.	0'00	Clear.
			29'581	65'0	53'5	N.W.	Fresh.	0'13	Generally clear.
			29'545	64'6	54'3	N.W.	Fresh.	0'25	Generally clear.
			29'534	64'8	54'8	N.W.	Moderate.	0'25	Generally clear.
			29'522	65'0	54'8	N.W.	Fresh.	0'13	Generally clear.
			29'558	68'5	57'3	—	Calm.	0'25	Fair; hazy.



VAN DIEMEN ISLAND, 1843.

METEOROLOGICAL OBSERVATIONS.

BAROMETRIC PRESSURE.												
Barometer at 32° = 28 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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20
1842. Dec. 31	1.855	1.845	1.836	—	—	—	—	—	—	—	—	—
1	—	—	—	1.643	1.634	1.631	1.627	1.643	1.673	1.691	1.707	1.717
2	1.913	1.928	1.949	1.953	1.953	1.957	1.971	1.988	1.990	2.020	2.037	2.049
3	2.091	2.086	2.095	2.098	2.087	2.078	2.072	2.068	2.078	2.090	2.102	2.097
4	1.878	1.871	1.850	1.853	1.828	1.796	1.783	1.779	1.761	1.765	1.781	1.771
5	1.698	1.703	1.706	1.722	1.708	1.705	1.711	1.731	1.741	1.781	1.784	1.797
6	1.887	1.881	1.878	1.886	1.886	1.880	1.879	1.879	1.881	1.882	1.897	1.903
7	1.782	1.766	1.760	—	—	—	—	—	—	—	—	—
8	—	—	—	1.527	1.527	1.523	1.545	1.568	1.603	1.611	1.659	1.697
9	1.859	1.871	1.880	1.879	1.870	1.870	1.873	1.892	1.904	1.922	1.940	1.948
10	1.920	1.923	1.938	1.931	1.932	1.926	1.926	1.926	1.936	1.936	1.953	1.947
11	1.990	1.993	1.989	1.973	1.942	1.936	1.929	1.918	1.905	1.926	1.926	1.923
12	1.879	1.872	1.853	1.828	1.794	1.758	1.728	1.696	1.703	1.699	1.696	1.690
13	1.463	1.455	1.458	1.440	1.434	1.432	1.410	1.428	—	1.482	1.491	1.510
14	1.892	1.911	1.924	—	—	—	—	—	—	—	—	—
15	—	—	—	1.758	1.730	1.713	1.696	1.698	1.704	1.708	1.725	1.739
16	1.896	1.901	1.905	1.906	—	1.894	1.894	1.892	1.906	1.918	1.932	1.933
17	1.958	1.968	1.969	1.981	1.967	1.967	1.969	1.988	—	2.008	2.041	2.059
18	2.126	2.129	2.129	2.123	2.114	2.092	2.075	2.072	2.074	2.084	2.090	2.073
19	1.769	1.763	1.756	1.732	1.699	1.655	1.632	1.621	1.603	1.595	1.592	1.596
20	1.646	1.666	1.686	1.690	1.682	1.679	1.669	1.682	1.672	1.671	1.655	1.645
21	1.580	1.594	1.613	—	—	—	—	—	—	—	—	—
22	—	—	—	—	2.092	2.108	2.120	2.127	2.136	2.154	2.169	2.187
23	2.080	2.076	2.069	2.064	2.046	2.034	2.014	2.004	1.997	1.993	1.986	1.969
24	1.713	1.700	1.686	1.668	—	—	1.595	1.577	1.577	1.554	1.542	1.528
25	1.431	1.456	1.473	1.490	1.486	1.489	1.530	1.573	1.618	1.642	1.676	1.704
26	1.855	1.860	1.853	1.849	1.831	1.820	1.822	1.822	1.836	1.846	1.946	1.975
27	1.850	1.842	1.831	1.818	1.787	1.774	1.758	1.746	1.751	1.758	1.758	1.768
28	1.933	1.940	1.954	—	—	—	—	—	—	—	—	—
29	—	—	—	1.815	1.804	1.779	1.767	1.766	1.753	1.763	1.773	1.754
30	1.982	1.985	1.993	2.002	2.013	2.019	2.044	2.070	2.104	2.128	2.163	2.188
31	2.280	2.270	2.272	2.268	—	2.244	2.241	2.252	—	—	2.263	2.245
Hourly Means	1.8595	1.8613	1.8631	1.8432	1.8269	1.8369	1.8252	1.8298	1.8294	1.8318	1.8624	1.8671
1	2.134	2.116	2.094	2.078	2.054	2.026	2.009	2.005	1.991	1.982	1.974	1.954
2	1.872	1.880	1.881	1.880	1.875	1.873	1.884	1.900	1.918	1.936	1.953	1.955
3	1.859	1.847	1.828	1.810	1.785	1.764	1.744	1.741	1.739	1.737	1.733	1.723
4	1.369	1.313	1.277	—	—	—	—	—	—	—	—	—
5	—	—	—	1.632	1.664	1.686	1.720	1.750	1.793	1.828	1.860	1.893
6	2.071	2.067	2.074	2.075	2.068	2.063	2.061	2.070	2.090	2.106	2.115	2.125
7	2.019	2.000	1.995	1.982	1.973	1.966	1.952	1.929	1.925	1.933	1.922	1.911
8	1.669	1.670	1.675	1.674	1.676	1.668	1.673	1.686	1.723	1.745	1.780	1.797
9	1.886	1.872	1.846	1.822	1.808	1.793	1.782	1.784	1.794	1.802	1.811	1.815
10	1.957	1.965	—	1.979	1.991	1.989	1.989	1.995	2.003	2.029	2.045	2.053
11	1.991	1.983	1.962	—	—	—	—	—	—	—	—	—
12	—	—	—	1.723	1.712	1.694	1.685	1.661	1.644	1.634	1.627	1.611
13	1.519	1.526	1.541	1.546	1.548	1.547	1.562	1.577	1.592	1.600	1.599	1.602
14	1.724	1.737	1.748	1.754	1.763	1.767	1.777	1.797	1.825	1.863	1.890	1.928
15	2.114	2.108	2.110	2.096	2.092	2.089	2.093	2.094	2.093	2.093	2.098	2.101
16	2.061	2.050	2.038	2.035	2.030	2.031	2.021	2.015	2.011	2.011	2.015	2.035
17	2.101	2.102	2.102	2.104	2.102	2.096	2.099	2.097	—	2.127	2.140	2.150
18	2.201	2.201	2.214	—	—	—	—	—	—	—	—	—
19	—	—	—	2.274	2.270	2.270	2.260	2.256	2.255	2.257	2.260	2.271
20	2.256	2.240	2.230	2.222	2.201	2.198	2.192	2.187	2.191	2.207	2.217	2.218
21	2.095	2.095	2.083	2.070	2.062	2.044	2.032	2.022	—	2.010	2.007	2.005
22	1.877	1.872	1.866	1.859	1.841	1.838	1.831	1.826	1.819	1.838	1.848	1.849
23	1.768	1.754	1.741	1.723	1.692	1.684	1.672	1.665	1.675	1.681	1.686	1.679
24	1.476	1.444	1.424	1.418	1.400	1.377	—	1.333	1.323	1.313	1.323	1.325
25	1.380	1.370	1.355	—	—	—	—	—	—	—	—	—
26	—	—	—	1.411	1.424	1.432	1.449	1.466	1.481	1.491	1.501	1.513
27	1.697	1.709	1.726	1.740	1.748	1.756	1.774	1.798	1.819	1.853	1.872	1.899
28	2.122	2.120	2.123	2.130	2.136	2.146	2.159	2.163	2.165	2.193	2.234	2.245
Hourly Means	1.8841	1.8767	1.8666	1.8765	1.8714	1.8665	1.8878	1.8674	1.8682	1.8862	1.8962	1.9023

BAROMETRIC PRESSURE.												Daily and Monthly Means.
Barometer at 32° = 28 English Inches + the numbers in the Table.												
12	13	14	15	16	17	18	19	20	21	22	23	
21	22	23	0	1	2	3	4	5	6	7	8	
—	—	—	—	—	—	—	—	—	—	—	—	} 1'7370
1'715	1'717	1'713	1'719	1'718	1'737	1'756	1'760	1'784	1'823	1'857	1'886	
2'059	2'061	2'057	2'053	2'058	2'060	2'053	2'049	2'051	2'073	2'065	2'089	
2'069	2'053	2'013	1'987	1'941	1'915	1'890	1'879	1'871	1'873	1'885	1'875	2'0122
1'741	1'737	1'708	1'692	1'684	1'666	1'652	1'655	1'672	1'668	1'684	1'679	1'7481
1'805	1'808	1'811	1'810	1'795	1'789	1'797	1'796	1'803	1'827	1'830	1'880	1'7724
1'889	1'873	1'867	1'855	1'843	1'831	1'822	1'815	1'797	1'798	1'791	1'788	1'8578
—	—	—	—	—	—	—	—	—	—	—	—	} 1'7023
1'713	1'738	1'748	1'755	1'753	1'766	1'773	1'777	1'789	1'807	1'825	1'843	
1'939	1'923	1'919	1'979	1'882	1'878	1'877	1'875	1'877	1'898	1'901	1'904	
1'947	1'945	1'939	1'928	1'923	1'922	1'919	1'917	1'915	1'937	1'963	1'967	1'9340
1'927	1'908	1'890	1'893	1'881	1'877	1'873	1'872	1'865	1'862	1'875	1'881	1'9147
1'664	1'628	1'607	1'586	1'557	1'530	1'511	1'491	1'369	1'458	1'446	1'454	1'6457
1'536	1'553	1'566	1'609	1'652	1'681	1'698	1'718	1'754	1'778	1'829	1'865	1'5757
—	—	—	—	—	—	—	—	—	—	—	—	} 1'7770
1'738	1'739	1'751	1'755	1'763	1'779	1'782	1'790	1'795	1'833	1'849	1'875	
1'934	1'933	1'927	1'929	1'925	1'916	1'903	1'897	1'895	1'915	1'929	1'949	
2'058	2'073	2'071	2'070	2'064	2'057	2'056	2'056	—	2'062	2'088	2'095	2'0284
2'059	2'020	1'990	1'969	1'941	1'915	1'891	1'859	1'818	1'795	1'773	1'767	1'9991
1'537	1'501	1'418	1'438	1'444	1'447	1'441	1'441	1'499	1'547	1'591	1'621	1'5808
1'629	1'609	1'575	1'538	1'514	1'513	1'481	1'444	1'461	1'488	1'522	1'536	1'5980
—	—	—	—	—	—	—	—	—	—	—	—	} 2'0611
2'187	2'171	2'160	2'141	2'129	2'115	2'109	2'105	2'105	2'107	2'095	2'101	
1'942	1'931	1'896	1'859	1'813	1'791	1'749	1'726	1'697	1'701	1'701	1'714	
1'492	1'459	1'386	1'349	1'315	1'319	1'339	1'303	1'234	1'282	1'334	1'368	1'4691
1'728	1'736	1'731	1'724	1'726	1'740	1'764	1'780	1'810	1'816	1'827	1'847	1'6582
1'833	1'849	1'838	1'832	1'819	1'824	1'824	1'814	1'817	1'819	1'837	1'840	1'8442
1'756	1'740	1'743	1'763	1'767	1'793	1'807	1'810	1'827	1'857	1'877	1'903	1'7952
—	—	—	—	—	—	—	—	—	—	—	—	} 1'8104
1'762	1'755	1'747	1'744	1'756	1'762	1'784	1'799	1'835	1'863	1'899	1'942	
2'197	2'212	2'223	2'216	2'215	2'214	2'218	2'224	2'224	2'231	2'253	2'273	
2'244	2'241	2'227	2'203	2'170	2'148	2'149	2'139	2'140	2'147	2'154	2'153	2'2119
1'8555	1'8486	1'8341	1'8295	1'8166	1'8143	1'8118	1'8070	1'7963	1'8246	1'8400	1'8554	1'8364
1'938	1'914	1'893	1'873	1'849	1'819	1'813	1'789	1'793	1'799	1'823	1'863	1'9410
1'942	1'947	1'923	1'915	1'901	1'887	1'869	1'861	1'851	1'847	1'863	1'857	1'8946
1'698	1'658	1'622	1'585	1'540	1'490	1'470	1'453	1'420	1'404	1'393	1'373	1'6423
—	—	—	—	—	—	—	—	—	—	—	—	} 1'8014
1'910	1'911	1'917	1'918	1'917	1'929	1'931	1'944	1'973	2'007	2'032	2'059	
2'126	2'095	2'079	2'067	2'053	2'041	2'027	2'018	2'010	2'012	2'015	2'017	
1'895	1'863	1'832	1'796	1'751	1'701	1'681	1'652	1'636	1'629	1'638	1'664	1'8435
1'805	1'812	1'821	1'828	1'829	1'833	1'846	1'847	1'848	1'871	1'879	1'884	1'7725
1'795	1'779	1'761	1'751	1'775	1'794	1'827	1'841	1'864	1'887	1'911	1'932	1'8222
2'049	2'048	2'045	2'027	2'027	—	1'985	1'973	1'963	1'970	1'980	1'985	2'0022
—	—	—	—	—	—	—	—	—	—	—	—	} 1'6208
1'581	1'540	1'516	1'504	1'496	1'494	1'493	1'468	1'464	1'458	1'458	1'501	
1'618	1'614	1'607	1'591	1'584	1'591	1'606	1'614	1'624	1'646	1'676	1'708	
1'952	1'966	1'980	1'997	2'009	2'012	2'004	2'012	2'029	2'047	2'075	2'098	1'9064
2'097	2'087	2'069	2'058	2'047	2'044	2'038	2'025	2'023	2'029	2'033	2'050	2'0742
2'015	2'026	—	2'019	2'017	2'015	2'017	2'026	2'039	2'049	2'076	2'099	2'0327
2'156	2'151	2'147	2'137	2'137	2'129	2'125	2'133	2'145	2'153	2'180	2'193	2'1307
—	—	—	—	—	—	—	—	—	—	—	—	} 2'2392
2'270	2'255	2'228	2'229	2'228	2'220	2'211	2'211	2'211	2'218	2'227	2'243	
2'204	2'199	2'181	2'159	2'131	2'104	2'081	2'065	2'065	2'066	2'069	2'092	
1'993	1'973	1'920	1'905	1'884	1'861	1'845	1'836	1'828	1'831	1'843	1'869	1'9614
1'862	1'852	1'839	1'820	1'803	1'787	1'773	1'759	1'756	1'756	1'769	1'778	1'8216
1'667	1'639	1'597	1'586	1'547	1'510	1'480	1'474	1'500	1'503	1'504	1'495	1'6218
1'289	1'299	1'307	1'298	1'293	1'287	1'288	1'295	1'312	1'328	1'342	1'377	1'3422
—	—	—	—	—	—	—	—	—	—	—	—	} 1'5084
1'525	1'534	1'526	1'536	1'547	1'552	1'565	1'576	1'600	1'618	1'663	1'686	
1'926	1'941	1'939	1'951	1'981	1'991	2'016	2'023	2'032	2'042	2'064	2'101	
2'248	2'247	2'220	2'210	2'199	2'186	2'176	2'160	2'156	2'161	2'173	2'175	2'1770
1'8984	1'8896	1'8682	1'8650	1'8560	1'8381	1'8403	1'8356	1'7976	1'8471	1'8619	1'8791	1'8692

BAROMETRIC PRESSURE.													
Barometer at 32° = 28 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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
MARCH.	1	2.164	2.146	2.138	2.110	2.075	2.043	1.999	1.985	1.928	1.916	1.920	1.923
	2	1.741	1.740	1.765	1.760	1.773	1.787	1.784	1.782	1.802	1.808	1.818	1.842
	3	1.773	1.777	1.793	1.783	1.785	1.778	1.767	1.765	1.748	1.756	1.767	1.764
	4	1.721	1.716	1.706	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	1.801	1.803	1.809	1.816	1.829	1.838	1.860	1.866
	6	1.828	1.809	1.785	1.764	1.712	1.688	1.663	1.626	1.592	1.588	1.581	1.573
	7	1.433	1.417	1.400	1.402	1.395	1.387	1.385	1.391	1.400	1.404	—	1.424
	8	1.530	1.536	1.565	1.565	1.566	1.567	1.559	1.561	1.587	1.587	1.604	1.614
	9	1.578	1.581	1.533	1.498	1.472	1.492	1.514	1.531	—	1.570	1.589	1.597
	10	1.460	1.436	1.410	1.386	1.430	1.430	1.446	1.464	1.489	1.517	1.545	1.561
	11	1.946	1.970	1.983	—	—	—	—	—	—	—	—	—
	12	—	—	—	1.926	1.900	1.878	1.890	1.874	1.854	1.858	1.853	1.856
	13	2.013	2.016	2.023	2.028	2.036	2.043	2.058	2.066	—	2.087	2.105	2.118
	14	2.192	2.201	2.212	2.213	2.218	2.216	2.216	2.220	2.237	2.245	2.265	2.280
	15	2.276	2.268	2.267	2.265	2.251	2.243	2.233	2.236	2.239	2.245	2.252	2.253
	16	2.119	2.112	2.113	2.103	2.086	2.079	2.078	2.064	2.072	2.078	2.084	2.083
	17	1.915	1.907	1.904	1.884	1.888	1.866	1.837	1.828	1.838	1.844	1.862	1.882
	18	1.988	1.998	2.003	—	—	—	—	—	—	—	—	—
	19	—	—	—	2.014	2.000	1.989	1.988	1.972	1.972	1.976	1.987	1.993
	20	1.906	1.905	1.893	1.892	1.890	1.880	1.876	1.875	1.865	1.866	1.881	1.882
	21	1.839	1.835	1.826	1.804	1.813	1.803	1.793	1.794	1.784	1.778	1.794	—
	22	1.738	1.744	1.737	1.729	1.721	1.718	1.708	1.707	1.714	1.728	1.736	1.736
	23	1.641	1.633	1.630	1.637	1.648	1.656	1.648	1.642	1.618	1.624	1.642	1.654
	24	1.852	1.856	1.864	1.884	1.882	1.892	1.908	1.912	—	1.958	1.966	1.992
	25	2.004	2.000	2.001	—	—	—	—	—	—	—	—	—
	26	—	—	—	1.956	1.969	1.980	1.996	2.014	2.034	2.058	2.092	2.122
	27	2.185	2.176	2.168	2.171	2.163	2.152	2.134	2.128	2.117	2.132	2.122	2.124
	28	1.902	1.902	1.885	1.855	1.847	1.821	1.818	1.804	1.782	1.776	1.770	1.755
	29	1.909	1.921	1.937	1.940	1.955	1.955	1.947	1.943	1.933	1.935	1.931	1.939
	30	1.768	1.762	1.762	1.764	1.767	1.765	—	1.790	1.796	1.813	1.845	1.872
	31	2.124	2.112	2.096	2.076	2.042	2.016	1.999	1.983	1.979	1.979	1.981	1.967
Hourly Means	1.8720	1.8695	1.8666	1.8618	1.8550	1.8491	1.8482	1.8434	1.8420	1.8505	1.8789	1.8720	
APRIL.	1	1.930	1.913	1.899	—	—	—	—	—	—	—	—	—
	2	—	—	—	—	2.138	2.150	2.158	2.174	—	—	2.241	2.281
	3	2.309	2.305	2.301	2.297	2.296	2.287	2.275	2.275	—	2.276	2.292	2.302
	4	2.170	2.158	2.143	2.124	2.110	2.108	2.110	2.115	2.129	2.133	2.149	2.171
	5	2.327	2.342	2.346	2.346	2.357	2.353	2.352	2.356	2.373	2.377	2.395	2.407
	6	2.343	2.345	2.351	2.328	2.325	2.319	2.314	2.321	—	2.320	2.337	2.332
	7	2.282	2.273	2.266	2.252	2.261	2.256	2.241	2.239	2.245	2.249	2.249	2.255
	8	2.182	2.170	2.157	—	—	—	—	—	—	—	—	—
	9	—	—	—	—	1.866	1.846	1.830	1.822	1.822	1.820	1.819	1.809
	10	1.885	1.889	1.889	1.892	1.891	1.912	1.904	1.910	1.929	1.952	1.972	2.000
	11	2.213	2.234	2.233	2.242	2.248	2.248	2.250	2.268	2.262	2.273	2.285	2.287
	12	2.156	2.139	2.110	2.076	2.048	2.020	1.996	1.970	1.952	1.936	1.932	1.929
	13	1.713	1.726	1.727	1.709	1.701	1.729	1.713	1.717	1.719	1.736	1.756	1.776
	14	1.760	1.750	1.730	1.716	1.692	1.673	1.657	1.633	1.614	1.603	1.581	1.564
	15	1.355	1.306	1.266	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	1.555	1.565	1.578	1.570	1.572	1.573	1.589	1.603
	17	1.568	1.570	1.574	1.594	1.582	1.570	1.576	1.614	1.651	1.657	1.663	1.689
	18	1.756	1.870	1.886	1.794	1.828	1.832	1.839	1.859	1.880	1.904	1.914	1.941
	19	1.889	1.889	1.868	1.852	1.838	1.828	1.806	1.790	1.794	1.800	1.786	1.788
	20	1.550	1.532	1.532	1.533	1.529	1.506	1.486	1.491	1.498	1.484	1.472	—
	21	1.421	1.417	1.414	1.406	1.400	1.398	1.389	1.375	1.378	1.380	1.382	1.393
	22	1.322	1.302	1.278	—	—	—	—	—	—	—	—	—
	23	—	—	—	1.330	1.342	1.348	1.362	1.370	1.408	1.410	1.397	1.429
	24	1.559	1.557	1.543	1.537	1.572	1.584	1.605	1.624	1.654	1.672	1.692	1.718
	25	1.940	1.958	1.964	1.960	1.989	1.996	1.984	1.980	1.986	1.997	2.007	2.028
	26	2.052	2.067	2.067	2.070	2.070	2.073	2.076	2.076	2.090	2.096	2.119	2.141
	27	2.162	2.169	2.175	2.184	—	2.174	2.170	2.178	2.192	2.196	2.208	2.222
	28	2.174	2.175	2.170	2.160	2.160	2.148	2.138	2.130	2.125	2.129	2.133	2.150
	29	2.076	2.095	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	2.184	2.180	2.181	2.173	2.173	2.180	2.176	2.184	2.195
Hourly Means	1.9237	1.9260	1.9120	1.9357	1.9158	1.9241	1.9193	1.9212	1.8842	1.9229	1.9421	1.9754	

BAROMETRIC PRESSURE.												
Barometer at 32° = 28 English inches + the numbers in the Table.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
1.905	1.893	—	1.835	1.801	1.769	1.743	1.725	1.717	1.715	1.725	1.741	1.9094
1.839	1.820	1.779	1.780	1.769	1.773	1.767	1.767	1.786	1.783	1.779	1.784	1.7845
1.778	1.785	1.764	1.753	1.724	1.701	1.687	1.673	1.673	1.678	1.704	1.724	1.7458
—	—	—	—	—	—	—	—	—	—	—	—	—
1.879	1.862	1.835	1.823	1.814	1.786	1.787	1.788	1.805	1.811	1.819	1.832	1.8090
1.556	1.524	1.483	1.439	1.392	1.369	1.379	1.401	1.388	1.392	1.401	1.428	1.5567
1.426	1.424	1.415	1.401	1.401	1.413	1.413	1.449	1.462	1.467	1.488	1.519	1.4224
1.636	1.625	1.606	1.597	—	1.584	1.570	1.566	1.570	1.567	1.561	1.582	1.5785
1.624	1.636	1.642	1.624	1.606	1.590	1.580	1.568	1.542	1.516	1.505	1.498	1.5603
1.568	1.576	1.582	1.600	1.622	1.646	1.674	1.729	1.770	1.842	1.890	—	1.5684
—	—	—	—	—	—	—	—	—	—	—	—	—
1.865	1.869	1.861	1.869	1.866	1.874	1.877	1.896	1.918	1.950	1.973	2.002	1.9003
2.120	2.128	2.126	2.111	2.106	2.101	2.097	2.095	2.105	2.126	2.154	2.182	2.0889
2.295	2.281	2.270	2.265	2.247	2.245	2.241	2.238	2.237	2.243	2.257	2.270	2.2418
2.247	2.252	2.221	2.196	2.162	2.134	2.113	2.091	2.088	2.093	2.099	2.111	2.2015
2.077	2.076	2.027	1.994	1.973	1.959	1.941	1.921	1.911	1.901	1.905	1.922	2.0283
1.909	1.923	1.910	1.911	1.907	1.897	1.915	1.919	1.936	1.944	1.964	1.967	1.8982
—	—	—	—	—	—	—	—	—	—	—	—	—
1.991	1.988	1.958	1.937	1.919	1.893	1.885	1.881	1.879	1.893	1.899	1.904	1.9545
1.880	1.863	1.848	1.831	1.803	1.803	1.768	1.771	1.772	1.788	1.809	1.850	1.8499
1.799	1.794	1.783	1.763	1.739	1.711	1.699	1.683	1.688	1.693	1.704	1.729	1.7673
1.731	1.735	1.699	1.672	1.642	1.620	1.591	1.569	1.578	1.583	1.611	1.630	1.6824
1.656	1.660	1.650	1.631	1.630	1.640	1.658	1.684	1.710	1.752	1.806	1.825	1.6656
2.003	2.004	1.998	1.999	1.980	1.970	1.966	1.968	1.958	1.979	1.983	2.002	1.9468
—	—	—	—	—	—	—	—	—	—	—	—	—
2.138	2.152	2.152	2.152	2.151	2.152	2.142	2.142	2.141	2.153	2.161	2.173	2.0848
2.108	2.099	2.087	2.008	1.966	1.939	1.926	1.903	1.894	1.902	1.906	1.907	2.0590
1.735	1.724	1.670	1.666	1.632	1.609	1.641	1.669	1.714	1.769	1.808	1.859	1.7672
1.935	1.920	1.881	1.854	1.826	1.806	1.782	1.764	1.755	1.759	1.755	1.762	1.8768
1.894	1.915	1.929	1.941	1.966	1.983	2.005	2.028	2.050	2.091	2.106	2.116	1.9012
1.975	1.978	1.946	1.927	1.910	1.903	1.901	1.902	1.905	1.905	1.913	1.919	1.9766
1.8729	1.8706	1.8508	1.8363	1.8290	1.8100	1.8055	1.8070	1.8130	1.8257	1.8402	1.8553	1.8468
—	—	—	—	—	—	—	—	—	—	—	—	—
2.229	2.298	2.293	2.296	2.283	2.277	2.267	2.267	2.268	2.279	2.295	2.304	2.2025
2.304	2.305	2.273	2.237	2.215	2.177	2.175	2.161	2.164	2.174	2.165	2.169	2.2493
2.176	2.171	2.151	2.145	2.135	2.135	2.168	2.193	2.229	2.254	2.289	2.313	2.1658
2.426	2.419	2.401	2.375	2.344	2.325	2.321	2.321	2.319	2.325	2.333	2.338	2.3574
2.346	2.344	2.303	2.299	2.258	2.234	2.228	2.234	2.241	2.246	2.260	2.266	2.2997
2.255	2.237	2.211	2.194	2.176	2.158	2.126	2.154	2.144	2.152	2.161	2.166	2.2168
—	—	—	—	—	—	—	—	—	—	—	—	—
1.788	1.761	1.765	1.761	1.753	1.763	1.777	1.796	1.809	1.827	1.846	1.861	1.8543
2.011	2.031	2.028	2.038	2.049	2.049	2.082	2.100	2.109	2.136	2.186	2.196	2.0017
2.308	2.292	2.294	2.278	2.258	2.213	2.195	2.177	2.172	2.162	2.162	2.164	2.2383
1.884	1.841	1.786	1.765	1.719	1.651	1.633	1.631	1.670	1.664	1.702	1.704	1.8714
1.766	1.768	1.757	1.757	1.742	1.746	1.742	1.741	1.727	1.739	1.749	1.760	1.7382
1.545	1.517	1.484	1.421	1.366	1.356	1.310	1.317	1.303	1.318	1.338	1.360	1.5253
—	—	—	—	—	—	—	—	—	—	—	—	—
1.607	1.619	1.634	1.623	1.604	1.586	1.563	1.565	1.559	1.563	1.554	1.554	1.5462
1.722	1.715	1.707	1.698	1.699	1.681	1.691	1.685	1.697	1.729	1.740	1.752	1.6593
1.953	1.954	1.960	1.941	1.911	1.893	1.897	1.907	1.926	1.932	1.898	1.898	1.8905
1.763	1.746	1.721	1.677	1.644	1.616	1.610	1.586	1.578	1.572	1.566	1.561	1.7320
1.461	1.440	1.430	1.406	1.382	1.362	1.369	1.377	1.382	1.407	1.412	1.418	1.4547
1.404	1.381	1.374	1.347	1.317	1.314	1.309	1.313	1.325	1.332	1.334	1.335	1.3683
—	—	—	—	—	—	—	—	—	—	—	—	—
1.458	1.460	1.462	1.466	1.461	1.476	1.486	1.515	1.523	1.545	1.560	1.561	1.4280
1.734	1.744	1.750	1.774	1.767	1.795	1.820	1.835	1.855	1.886	1.918	1.932	1.7136
2.022	2.020	2.013	2.005	1.991	2.001	1.998	2.004	2.011	2.018	2.029	2.042	1.9976
2.154	2.156	2.149	2.129	2.111	2.101	2.105	2.110	2.116	2.124	2.138	2.148	2.1058
2.222	2.212	2.200	2.192	2.168	2.153	2.149	2.151	2.148	2.162	2.168	2.171	2.1794
2.142	2.122	2.110	2.085	2.050	2.037	2.032	2.024	2.033	2.050	2.060	2.069	2.1086
—	—	—	—	—	—	—	—	—	—	—	—	—
2.191	2.164	2.142	2.110	2.066	2.029	2.006	1.996	1.987	1.993	1.995	1.996	2.1075
1.9576	1.9487	1.9359	1.9208	1.8988	1.8851	1.8824	1.8864	1.8918	1.9036	1.9143	1.9215	1.9187

BAROMETRIC PRESSURE.													
Barometer at 32° = 28 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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
MAY.	1	1.986	1.971	1.944	1.946	1.939	1.929	1.918	1.910	1.906	1.930	1.948	1.952
	2	1.960	1.968	1.972	1.985	1.985	1.988	1.984	1.985	2.005	2.022	2.045	2.066
	3	2.139	2.137	2.133	2.129	2.126	2.118	2.110	2.112	2.114	2.119	2.119	2.135
	4	1.980	1.971	1.939	1.912	1.908	1.904	1.880	1.867	1.852	1.844	1.834	1.813
	5	1.684	1.721	1.740	1.750	1.772	1.806	—	1.823	1.823	1.831	1.868	1.888
	6	1.809	1.781	1.747	—	—	—	—	—	—	—	—	—
	7	—	—	—	1.678	1.672	1.648	1.625	1.634	1.667	1.712	1.747	1.804
	8	2.078	2.082	2.081	2.087	2.089	2.091	2.093	2.089	2.081	2.091	2.101	2.116
	9	2.226	2.239	2.242	2.255	2.244	2.248	2.246	2.252	2.266	2.274	2.280	2.298
	10	2.264	2.261	2.247	2.244	2.238	2.238	2.235	2.227	2.232	2.232	2.237	2.254
	11	2.216	2.229	2.233	2.231	2.233	2.240	2.247	2.249	2.267	2.269	2.282	2.287
	12	2.345	2.352	2.348	2.344	2.336	2.331	2.323	2.324	—	2.350	2.362	2.372
	13	2.299	2.288	2.285	—	—	—	—	—	—	—	—	—
	14	—	—	—	2.247	2.257	2.249	2.263	2.260	2.263	2.267	2.281	2.304
	15	2.200	2.201	2.186	2.178	2.150	2.124	2.108	2.102	2.100	2.098	2.106	2.092
	16	1.927	1.921	1.900	1.892	1.887	1.883	1.873	1.862	1.862	1.864	1.872	1.862
	17	1.769	—	1.752	1.740	1.722	1.711	1.696	1.682	1.669	1.673	1.670	1.668
	18	1.698	1.703	1.709	1.704	1.688	1.694	1.709	1.707	1.705	1.722	1.746	1.753
	19	1.900	1.911	1.923	1.928	1.932	1.946	1.960	1.980	2.008	2.020	2.036	2.045
	20	2.074	2.055	2.056	—	—	—	—	—	—	—	—	—
	21	—	—	—	1.644	1.648	1.632	1.635	1.635	1.645	1.645	1.644	1.656
	22	1.706	1.693	1.675	1.665	1.666	1.676	1.696	—	—	1.718	1.734	1.787
	23	1.937	1.944	1.934	1.926	1.934	1.956	—	1.952	1.963	1.983	1.995	2.010
	24	2.008	2.002	1.994	1.976	1.972	1.968	1.955	1.953	1.948	1.932	1.932	1.934
	25	1.876	1.876	1.879	1.874	1.860	1.852	1.849	1.866	1.867	1.886	1.938	1.962
	26	2.081	2.079	2.062	2.049	2.024	2.016	2.004	1.978	1.976	1.970	1.966	1.972
	27	2.022	2.032	2.048	—	—	—	—	—	—	—	—	—
	28	—	—	—	2.211	2.209	2.201	2.193	2.197	2.199	2.214	2.220	2.234
	29	2.124	2.116	2.106	2.092	2.072	2.053	2.046	2.040	2.029	2.019	2.009	1.997
	30	1.714	1.674	1.660	1.627	1.607	1.590	1.560	1.559	1.541	1.529	1.519	1.509
	31	1.286	1.259	1.268	1.255	1.256	1.237	1.217	1.209	1.207	1.218	1.216	1.217
Hourly Means	1.9744	1.9794	1.9652	1.9471	1.9417	1.9381	1.9370	1.9405	1.9278	1.9419	1.9521	1.9625	
JUNE.	1	1.408	1.431	1.453	1.410	1.474	1.510	1.522	1.522	1.538	1.568	1.596	1.608
	2	1.572	1.600	1.628	1.666	1.658	1.726	1.722	1.738	1.754	1.766	1.776	1.786
	3	1.908	1.891	1.903	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	1.824	1.824	1.814	1.806	1.788	1.794	1.804	1.806
	5	1.836	1.832	1.838	1.836	1.829	1.829	1.823	1.820	1.822	1.824	1.825	1.840
	6	1.807	1.814	1.820	1.821	1.822	1.824	1.832	1.836	1.852	1.862	1.884	1.898
	7	2.056	2.070	2.080	2.097	2.104	2.126	2.130	2.143	2.161	2.185	2.209	2.226
	8	2.252	2.258	2.262	2.264	2.255	2.255	2.247	2.229	2.235	2.255	2.263	2.281
	9	2.297	2.282	2.274	2.259	2.253	2.247	2.243	2.238	2.239	2.239	2.240	2.246
	10	2.172	2.171	2.173	—	—	—	—	—	—	—	—	—
	11	—	—	—	2.216	2.217	2.215	2.215	2.213	2.215	2.224	2.251	2.263
	12	2.304	2.311	2.307	2.301	2.293	2.308	2.306	2.308	2.299	2.313	2.311	2.319
	13	2.389	2.401	2.405	2.406	2.410	2.410	2.406	2.402	2.396	2.410	2.408	2.412
	14	2.323	2.319	2.295	2.282	2.272	2.264	2.241	2.231	2.227	2.214	2.206	2.197
	15	2.029	2.015	2.004	1.982	1.987	1.986	1.986	1.976	1.970	1.964	1.972	1.973
	16	1.892	1.886	1.883	1.869	1.846	1.858	1.857	1.852	1.840	1.846	1.854	1.852
	17	1.922	1.928	1.934	—	—	—	—	—	—	—	—	—
	18	—	—	—	1.826	1.815	1.801	1.781	1.772	1.762	1.762	1.752	1.744
	19	1.607	1.586	1.578	1.558	1.536	1.528	1.484	—	1.470	1.484	1.480	1.490
	20	1.658	1.671	1.677	1.673	1.690	1.711	1.729	1.749	1.762	1.776	1.800	1.823
	21	1.805	1.792	1.778	1.752	1.744	1.722	1.704	1.682	1.652	1.630	1.620	1.592
	22	1.369	1.378	1.349	1.325	1.314	1.307	1.302	1.286	1.304	1.320	1.340	1.350
	23	1.421	1.422	1.434	1.443	1.423	1.429	1.440	1.442	—	1.482	1.494	1.522
	24	1.614	1.618	1.622	—	—	—	—	—	—	—	—	—
	25	—	—	—	1.764	1.762	1.774	1.778	1.776	1.772	1.784	1.802	1.814
	26	1.794	1.789	1.774	1.756	—	1.720	1.694	1.680	1.668	1.662	1.648	1.646
	27	1.530	1.522	1.510	1.492	1.486	1.486	1.476	1.468	1.462	1.454	1.454	1.454
	28	1.446	1.454	1.449	1.441	1.441	1.451	1.443	1.441	1.435	1.451	1.459	1.468
	29	1.504	1.500	1.492	1.476	1.472	1.474	1.469	1.466	1.468	1.473	1.478	1.498
	30	1.498	1.496	1.489	1.476	1.478	1.488	1.484	1.484	1.482	1.486	1.488	1.498
	Hourly Means	1.8236	1.8245	1.8235	1.8156	1.8162	1.8182	1.8126	1.8224	1.8229	1.8165	1.8236	1.8310

BAROMETRIC PRESSURE.												Daily and Monthly Means.
Barometer at 32° = 28 English Inches + the numbers in the Table.												
12	13	14	15	16	17	18	19	20	21	22	23	
21	22	23	0	1	2	3	4	5	6	7	8	
1.966	1.957	1.953	1.917	1.905	1.899	1.905	1.904	1.908	1.926	1.937	1.948	1.9335
2.097	2.098	2.095	2.080	2.072	2.067	2.077	2.082	2.089	2.104	2.114	2.131	2.0446
2.132	2.115	2.099	2.074	2.050	2.033	2.011	2.001	2.000	2.007	1.999	1.993	2.0835
1.792	1.749	1.703	1.646	1.613	1.578	1.568	1.600	1.577	1.582	1.594	1.652	1.7649
1.900	1.875	1.875	1.749	1.839	1.840	1.834	1.832	—	1.815	1.806	1.810	1.8128
—	—	—	—	—	—	—	—	—	—	—	—	—
1.845	1.882	1.903	1.898	1.898	1.915	1.950	1.972	1.989	2.012	2.035	2.056	1.8284
2.134	2.138	2.131	2.124	2.108	2.101	2.110	2.134	2.154	2.172	2.196	2.212	2.1164
2.310	2.340	2.282	2.254	2.238	2.233	2.235	2.238	2.242	2.252	2.262	2.265	2.2592
2.246	2.237	2.226	2.209	2.187	2.179	2.183	2.181	2.176	2.187	2.196	2.200	2.2215
2.312	2.319	2.308	2.291	2.289	2.276	2.280	2.281	2.283	2.298	2.317	2.325	2.2734
2.366	2.375	2.368	2.346	2.315	2.305	2.299	2.293	2.295	2.297	2.299	2.301	2.3324
—	—	—	—	—	—	—	—	—	—	—	—	—
2.314	2.304	2.286	2.260	2.225	2.205	2.193	2.187	2.189	2.196	2.209	2.204	2.2515
2.086	2.079	2.056	2.041	2.000	1.972	1.959	1.948	1.942	1.946	1.946	1.937	2.0649
1.850	1.849	1.832	1.814	1.802	1.791	1.791	1.775	1.774	1.768	1.765	1.767	1.8410
1.654	1.660	1.652	1.632	1.631	1.617	1.613	1.613	1.637	1.648	1.673	1.687	1.6726
1.758	1.768	1.767	1.750	1.743	1.744	1.759	1.777	1.796	1.822	1.856	1.876	1.7481
2.073	2.073	2.058	2.043	2.028	2.034	2.037	2.049	2.065	2.067	2.066	2.070	2.0105
—	—	—	—	—	—	—	—	—	—	—	—	—
1.678	1.688	1.688	1.684	1.680	1.690	1.686	1.692	1.701	1.713	1.726	1.716	1.7213
1.815	1.836	1.833	1.836	1.836	1.836	1.850	1.857	1.876	1.895	1.916	1.925	1.7877
2.022	2.024	2.021	1.960	1.999	2.000	2.006	2.002	1.998	1.996	2.004	2.004	1.9813
1.927	1.916	1.900	1.889	1.854	1.838	1.836	1.834	1.839	1.854	1.866	1.877	1.9168
2.006	2.021	2.028	2.023	2.017	2.015	2.031	2.042	2.048	2.054	2.054	2.061	1.9577
1.976	1.967	1.947	1.938	1.930	1.934	1.950	1.954	1.967	1.986	1.995	2.008	1.9887
—	—	—	—	—	—	—	—	—	—	—	—	—
2.236	2.231	2.213	2.182	2.166	2.146	2.144	2.136	2.132	2.130	2.130	2.122	2.1645
1.997	1.979	1.938	1.904	1.873	1.838	1.814	1.801	1.770	1.767	1.756	1.720	1.9525
1.493	1.487	1.451	1.414	1.338	1.327	1.326	1.313	1.289	1.279	1.291	1.280	1.4740
1.226	1.226	1.216	1.183	1.189	1.204	1.254	1.327	1.346	1.397	1.395	1.400	1.2587
1.9708	1.9701	1.9566	1.9311	1.9194	1.9117	1.9149	1.9194	1.9262	1.9322	1.9409	1.9462	1.9437
—	—	—	—	—	—	—	—	—	—	—	—	—
1.634	1.616	1.611	1.587	1.557	1.538	1.542	1.553	1.559	1.558	1.563	1.570	1.5387
1.788	1.800	1.800	1.797	1.797	1.806	1.820	1.841	1.860	1.884	1.896	1.902	1.7660
—	—	—	—	—	—	—	—	—	—	—	—	—
1.800	1.804	1.800	1.794	1.790	1.777	1.777	1.787	1.794	1.804	1.815	1.826	1.8143
1.841	1.838	1.832	1.812	1.792	1.782	1.770	1.767	1.764	1.768	1.774	1.794	1.8120
1.926	1.940	1.939	1.940	1.949	1.958	1.969	1.969	1.982	2.000	2.021	2.038	1.9043
2.252	2.232	2.225	2.210	2.213	2.222	2.238	2.244	2.246	2.255	2.262	2.262	2.1853
2.295	2.306	2.291	2.291	2.263	2.269	2.272	2.278	2.284	2.289	2.279	2.281	2.2689
2.229	2.236	2.214	2.203	2.184	—	2.169	2.171	2.162	2.168	2.180	2.168	2.2235
—	—	—	—	—	—	—	—	—	—	—	—	—
2.272	2.285	2.278	2.266	2.253	2.249	2.256	2.261	2.272	2.288	2.299	2.302	2.2428
2.331	2.335	2.320	2.316	2.312	2.307	2.323	2.330	2.339	2.357	2.367	2.380	2.3207
2.418	2.412	2.393	2.370	2.348	2.328	2.322	2.317	2.315	2.319	2.329	2.330	2.3773
2.177	2.177	2.145	2.115	2.072	2.051	2.055	2.035	2.028	2.032	2.030	2.026	2.1673
1.971	1.962	1.952	1.930	1.904	1.884	1.882	1.886	1.877	1.886	1.886	1.890	1.9481
1.876	1.890	1.878	1.864	1.849	1.848	1.855	1.864	1.875	1.884	1.906	1.915	1.8683
—	—	—	—	—	—	—	—	—	—	—	—	—
1.728	1.708	1.683	1.661	1.651	1.635	1.624	1.629	1.619	1.614	1.613	1.607	1.7321
1.514	1.539	1.523	1.521	1.524	1.535	1.537	1.538	1.549	1.575	1.614	1.638	1.5395
1.840	1.848	1.839	1.820	1.809	1.809	1.817	1.811	1.812	1.812	1.818	1.810	1.7735
1.582	1.535	1.497	1.468	1.441	1.410	1.401	1.375	1.375	1.381	1.387	1.369	1.5706
1.368	1.381	1.379	1.371	1.350	1.348	1.348	1.363	1.372	1.385	1.410	1.417	1.3515
1.536	1.556	1.547	1.536	1.523	1.528	1.528	1.529	1.554	1.587	1.603	1.612	1.5040
—	—	—	—	—	—	—	—	—	—	—	—	—
1.834	1.836	1.829	1.809	1.779	1.773	1.773	1.776	1.782	1.788	1.793	1.802	1.7689
1.630	1.628	1.611	1.581	1.550	1.550	1.548	1.543	1.543	1.544	1.542	1.536	1.6364
1.456	1.457	1.445	1.438	1.422	1.420	1.422	1.421	1.414	1.427	1.429	1.435	1.4575
1.486	1.484	1.475	1.458	1.452	1.446	1.454	1.459	1.464	1.476	1.493	1.495	1.4592
1.502	1.512	1.494	1.474	1.456	1.460	1.466	1.464	1.471	1.486	1.494	1.498	1.4811
1.494	1.485	1.472	1.450	1.440	1.451	1.452	1.455	1.467	1.484	1.496	1.506	1.4791
1.8377	1.8385	1.8258	1.8108	1.7954	1.7754	1.7931	1.7948	1.7992	1.8097	1.8192	1.8234	1.8156

BAROMETRIC PRESSURE.													
Barometer at 32° = 28 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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
JULY.	1	1.530	1.530	1.530	—	—	—	—	—	—	—	—	
	2	—	—	—	1.756	1.768	1.790	1.796	1.794	1.800	1.826	1.848	1.884
	3	1.912	1.908	1.910	1.893	1.887	1.881	1.881	1.861	1.845	1.841	1.834	1.836
	4	1.682	1.664	1.640	1.618	1.588	1.554	1.548	1.538	—	1.539	1.542	1.550
	5	1.585	1.602	1.608	1.606	1.611	1.619	1.629	1.631	1.638	1.664	1.674	1.688
	6	1.724	1.722	1.712	1.691	1.681	1.675	1.657	1.654	1.644	1.644	1.640	1.636
	7	1.633	1.643	1.653	1.657	1.672	1.678	1.682	1.690	—	1.731	1.757	1.783
	8	1.970	1.970	1.976	—	—	—	—	—	—	—	—	—
	9	—	—	—	1.945	1.945	1.953	1.954	1.946	—	1.956	1.967	1.972
	10	1.912	1.920	1.908	1.888	1.856	1.850	1.822	1.791	1.758	1.755	1.731	1.700
	11	1.534	1.542	1.532	1.523	1.526	1.526	1.517	1.514	1.524	1.536	1.542	1.543
	12	1.453	1.437	1.433	1.427	1.426	1.444	1.456	1.466	1.472	1.490	1.509	1.521
	13	1.651	1.663	1.669	1.686	1.672	1.677	1.679	1.688	1.680	1.692	1.700	1.706
	14	1.628	1.618	1.606	1.596	1.586	1.580	1.558	1.566	1.580	1.602	1.626	1.652
	15	1.719	1.718	1.714	—	—	—	—	—	—	—	—	—
	16	—	—	—	1.356	1.344	1.334	1.329	1.333	1.306	1.337	1.345	1.365
	17	1.390	1.396	1.416	1.431	1.450	1.460	1.466	1.494	1.522	1.546	1.571	1.595
	18	1.826	1.838	1.847	1.856	1.864	1.870	1.882	1.898	—	1.928	1.952	1.964
	19	1.948	1.950	1.933	1.930	1.912	1.912	1.898	1.891	1.869	1.864	1.864	1.882
	20	1.792	1.781	1.789	1.793	1.791	1.795	1.791	1.798	1.808	1.829	1.849	1.861
	21	1.944	1.944	1.944	1.952	1.954	1.954	1.952	1.948	1.956	1.960	1.964	1.969
	22	1.954	1.949	1.994	—	—	—	—	—	—	—	—	—
	23	—	—	—	1.825	1.822	1.822	1.818	1.818	1.817	1.813	1.823	1.843
	24	1.822	1.822	1.822	1.821	1.817	1.807	1.793	1.788	1.792	1.784	1.791	1.799
	25	1.730	1.720	1.711	1.698	1.689	1.675	1.640	—	1.630	1.632	1.622	1.616
	26	1.680	1.676	1.670	1.681	1.650	1.639	1.619	1.607	1.602	1.594	1.579	1.566
	27	1.801	1.815	1.821	1.825	1.832	1.846	1.852	1.856	—	1.890	1.918	1.919
	28	1.809	1.817	1.799	1.782	1.767	1.744	1.718	1.684	1.632	1.644	1.681	1.681
	29	1.726	1.690	1.692	—	—	—	—	—	—	—	—	—
	30	—	—	—	0.942	0.908	0.891	0.883	0.865	0.865	0.873	0.859	0.843
	31	1.277	1.303	1.325	1.323	1.326	1.323	1.327	1.331	—	—	1.334	1.326
Hourly Means	1.7166	1.7168	1.7155	1.6731	1.6671	1.6653	1.6595	1.6580	1.6370	1.6788	1.6739	1.6808	
AUGUST.	1	1.421	1.423	1.442	1.458	1.466	1.460	1.470	1.478	—	1.508	1.536	1.548
	2	1.504	1.518	1.530	1.537	1.564	1.582	1.602	1.622	1.640	1.668	1.700	1.708
	3	1.760	1.744	1.750	1.750	1.759	1.753	1.748	1.741	—	1.757	1.771	1.785
	4	1.514	1.475	1.444	1.388	1.341	1.304	1.254	1.216	1.209	1.215	1.241	1.267
	5	1.598	1.624	1.634	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	1.481	1.475	1.475	1.463	1.443	1.434	1.430	1.418
	7	1.287	1.267	1.279	1.262	1.248	1.299	1.301	1.291	1.315	1.346	1.358	1.397
	8	1.508	1.501	1.497	1.479	1.469	1.441	1.409	1.379	—	—	1.367	1.353
	9	1.446	1.465	1.483	1.505	1.513	1.529	1.527	1.533	1.541	1.489	1.549	1.559
	10	1.650	1.653	1.647	1.649	1.648	1.626	1.632	1.632	1.620	1.640	1.666	1.695
	11	1.738	1.739	1.750	1.752	1.756	1.748	1.759	1.775	1.783	1.803	1.820	1.833
	12	1.855	1.860	1.860	—	—	—	—	—	—	—	—	—
	13	—	—	—	1.963	1.963	1.976	1.974	1.982	2.000	2.014	2.034	2.048
	14	2.131	2.142	2.142	2.137	2.146	—	2.148	2.148	2.152	2.177	2.192	2.202
	15	2.144	2.146	2.141	2.133	2.132	2.102	2.096	2.088	2.086	2.090	2.100	2.094
	16	1.938	1.935	1.933	1.924	1.912	1.912	1.912	1.919	—	1.944	1.972	1.988
	17	2.128	2.124	2.128	2.130	2.132	2.126	2.118	2.115	2.114	2.132	2.146	2.165
	18	2.174	2.176	2.177	2.178	2.174	2.177	2.174	2.170	—	2.182	2.189	2.186
	19	2.080	2.073	2.068	—	—	—	—	—	—	—	—	—
	20	—	—	—	2.098	2.106	2.128	2.153	2.184	2.192	2.214	2.223	2.253
	21	2.312	2.314	2.309	2.305	2.295	2.288	2.278	2.274	2.266	2.266	2.266	2.278
	22	2.114	2.111	2.107	2.101	2.095	2.089	2.089	2.082	2.073	2.078	2.082	2.083
	23	2.214	2.241	2.254	2.264	2.271	2.283	2.285	2.285	2.302	2.320	2.328	2.356
	24	2.300	2.294	2.293	2.292	2.265	2.255	2.255	2.249	2.246	2.242	2.242	2.243
	25	2.116	2.114	2.102	2.088	—	2.057	2.045	2.036	2.030	2.029	2.034	2.036
	26	1.868	1.861	1.862	—	—	—	—	—	—	—	—	—
	27	—	—	—	1.565	1.537	1.491	1.451	1.431	1.389	1.365	1.355	1.331
	28	1.409	1.406	1.398	1.380	1.358	1.336	1.327	1.318	1.312	1.310	1.310	1.322
	29	1.409	1.416	1.438	1.433	1.438	1.446	1.450	1.493	1.511	1.528	1.580	1.574
	30	1.708	1.710	1.704	1.700	1.692	1.683	1.673	1.661	1.655	1.657	1.656	1.654
	31	1.855	1.861	1.869	1.869	1.874	1.876	1.880	1.888	1.898	1.911	1.921	1.925
Hourly Means	1.8215	1.8219	1.8238	1.8207	1.7936	1.7862	1.7958	1.7945	1.8030	1.8199	1.8173	1.8259	

BAROMETRIC PRESSURE.													
Barometer at 32° = 28 English inches + the numbers in the Table.													
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.	
21	22	23	0	1	2	3	4	5	6	7	8		
—	—	—	—	—	—	—	—	—	—	—	—	} 1'8107	
1'892	1'894	1'879	1'858	1'860	1'865	1'865	1'871	1'883	1'906	1'914	1'918		
1'832	1'820	1'788	1'752	1'730	1'720	1'724	1'716	1'698	1'692	1'686	1'682		1'8054
1'566	1'556	1'560	1'541	1'514	1'516	1'510	1'514	1'529	1'547	1'566	1'582		1'5637
1'696	1'714	1'693	1'684	1'677	1'681	1'683	1'683	1'692	1'713	1'718	1'720		1'6629
1'636	1'627	1'614	1'582	1'560	1'558	1'560	1'564	1'573	1'589	1'597	1'613		1'6314
1'811	1'839	1'847	1'851	1'850	1'860	1'876	1'876	1'907	1'923	1'946	1'958	1'7880	
—	—	—	—	—	—	—	—	—	—	—	—	} 1'9549	
1'986	1'986	1'984	1'973	1'944	1'940	1'938	1'936	1'936	1'932	1'930	1'923		
1'687	1'670	1'637	1'602	1'554	1'546	1'528	1'520	1'520	1'516	1'534	1'520		1'6969
1'536	1'532	1'510	1'481	1'457	1'442	1'447	1'449	1'447	1'460	1'462	1'459		1'5017
1'539	1'560	1'555	1'540	1'539	1'541	1'556	1'570	1'584	1'602	1'626	1'638		1'5160
1'717	1'710	1'698	1'679	1'651	1'636	1'634	1'632	1'629	1'624	1'631	1'630		1'6681
1'672	1'686	1'680	1'677	1'669	1'666	1'680	1'682	1'689	1'709	1'724	1'723	1'6440	
—	—	—	—	—	—	—	—	—	—	—	—	} 1'4031	
1'369	1'388	1'380	1'372	1'362	1'353	1'363	1'363	1'372	1'379	1'386	1'388		
1'604	1'640	1'651	1'659	1'661	1'671	1'695	1'717	1'740	1'760	1'781	1'798		1'5881
1'977	1'972	1'966	1'963	1'951	1'942	1'936	1'944	1'930	1'938	1'944	1'945		1'9188
—	1'864	1'848	1'814	1'787	1'768	1'761	1'756	1'756	1'773	1'778	1'788		1'8498
1'887	1'892	1'891	1'885	1'878	1'880	1'898	1'906	1'902	1'917	1'928	1'938		1'8533
1'969	1'975	1'968	1'946	1'928	1'912	1'922	1'921	1'924	1'944	1'949	1'949	1'9478	
—	—	—	—	—	—	—	—	—	—	—	—	} 1'8312	
1'838	1'842	1'831	1'812	1'794	1'790	1'788	1'794	1'793	1'797	1'808	1'814		
1'806	1'808	1'804	1'777	1'753	1'742	1'738	1'731	1'718	1'728	1'730	1'732		1'7802
1'634	1'626	1'604	1'584	1'552	1'556	1'569	1'579	1'613	1'638	1'659	1'688		1'6376
1'534	1'574	1'580	1'609	1'593	1'592	1'616	1'638	1'664	1'703	1'745	1'781		1'6330
1'923	1'914	1'906	1'870	1'859	1'846	1'828	1'831	1'836	1'836	1'818	1'817		1'8547
1'687	1'708	1'718	1'714	1'711	1'713	1'731	1'726	1'736	1'741	1'750	1'748	1'7267	
—	—	—	—	—	—	—	—	—	—	—	—	} 1'0556	
0'861	0'881	0'886	0'918	0'939	0'999	1'044	1'082	1'108	1'151	1'196	1'234		
1'332	1'339	1'328	1'327	1'316	1'311	1'317	1'338	1'353	1'382	1'404	1'428	1'3350	
1'6796	1'6729	1'6848	1'6719	1'6573	1'6545	1'6618	1'6669	1'6743	1'6885	1'7004	1'7082	1'6790	
1'550	1'556	1'551	1'532	1'497	1'491	1'491	1'486	1'490	1'496	1'496	1'501	1'4933	
1'736	1'731	1'737	1'735	1'735	1'723	1'725	1'716	1'714	1'724	1'728	1'730	1'6629	
1'786	1'779	1'762	1'734	1'698	1'668	1'658	1'628	1'602	1'588	1'580	1'548	1'7108	
1'272	1'256	1'258	1'249	1'261	1'291	1'333	1'381	1'440	1'501	1'546	1'578	1'3431	
—	—	—	—	—	—	—	—	—	—	—	—	} 1'4128	
1'421	—	—	1'267	1'344	1'336	1'318	1'289	1'294	1'291	1'321	1'313		
1'412	1'433	1'435	1'412	1'390	1'408	1'428	1'452	1'465	1'472	1'499	1'503		1'3733
1'338	1'341	1'351	1'316	1'274	1'256	1'264	1'288	1'293	1'349	1'387	1'403		1'3756
1'579	1'585	1'587	1'561	1'549	1'536	1'545	1'561	1'569	1'600	1'623	1'638		1'5447
1'689	1'688	1'692	1'680	1'663	1'663	1'663	1'667	1'675	1'701	1'714	1'728		1'6659
1'845	1'842	1'822	1'798	1'790	1'789	1'794	1'802	1'808	1'830	1'836	1'848	1'7942	
—	—	—	—	—	—	—	—	—	—	—	—	} 2'0180	
2'090	2'064	2'062	2'060	2'052	2'052	2'055	2'062	2'080	2'101	2'112	2'114		
2'220	2'212	2'204	2'188	2'167	2'156	2'162	2'146	2'146	2'147	2'148	2'148		2'1635
2'094	2'081	2'057	2'020	1'993	1'981	1'958	1'951	1'952	1'953	1'952	1'948		2'0538
2'003	2'031	2'016	2'020	2'017	2'015	2'033	2'050	2'064	2'078	2'092	2'101		1'9917
2'179	2'157	2'146	2'136	2'113	2'106	2'108	2'117	2'132	2'156	2'165	2'177		2'1354
2'198	2'187	2'171	2'155	2'136	2'136	2'145	2'129	2'104	2'097	2'093	2'084	2'1562	
—	—	—	—	—	—	—	—	—	—	—	—	} 2'2084	
2'261	2'277	2'267	2'262	2'253	2'249	2'247	2'257	2'267	2'281	2'302	2'307		
2'285	2'266	2'253	2'209	2'184	2'168	2'146	2'126	2'119	2'120	2'122	2'115		2'2318
2'092	2'081	2'074	2'065	2'048	2'048	2'053	2'063	2'090	2'125	2'159	2'194		2'0915
2'353	2'351	2'340	2'328	2'311	2'301	2'285	2'275	2'279	2'282	2'291	2'288		2'2953
2'253	2'241	2'213	2'180	2'154	2'135	2'113	2'107	2'101	2'100	2'104	2'117		2'2081
2'040	2'018	2'002	1'956	1'921	1'896	1'883	1'880	1'873	1'873	1'876	1'876	1'9905	
—	—	—	—	—	—	—	—	—	—	—	—	} 1'4395	
1'301	1'279	1'260	1'263	1'309	1'329	1'359	1'363	1'374	1'389	1'404	1'411		
1'326	1'310	1'291	1'267	1'244	1'242	1'259	1'288	1'323	1'370	1'391	1'406		1'3293
1'597	1'598	1'617	1'597	1'616	1'606	1'617	1'635	1'647	1'679	1'690	1'708		1'5551
1'671	1'672	1'685	1'682	1'692	1'690	1'696	1'722	1'762	1'814	1'820	1'833		1'7038
1'939	1'930	1'918	1'895	1'868	1'852	1'843	1'844	1'844	1'841	1'848	1'843		1'8788
1'8344	1'8448	1'8373	1'7988	1'7881	1'7823	1'7845	1'7883	1'7966	1'8133	1'8259	1'8319	1'8106	

BAROMETRIC PRESSURE.													
Barometer at 32° = 28 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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
SEPTEMBER.	1	1'833	1'816	1'790	1'774	1'768	1'754	1'741	1'732	1'711	1'705	1'705	1'694
	2	1'590	1'592	1'592	—	—	—	—	—	—	—	—	—
	3	—	—	—	1'567	1'556	1'552	1'551	1'547	1'553	1'558	1'588	1'606
	4	1'698	1'711	1'726	1'730	—	1'742	1'736	1'739	1'737	1'743	1'761	1'777
	5	1'807	1'818	1'830	1'826	1'826	1'827	1'829	1'834	1'844	1'854	1'874	1'886
	6	1'829	1'820	1'806	1'797	1'774	1'746	1'722	1'699	1'685	1'671	1'666	1'653
	7	1'541	1'542	1'540	1'539	1'510	1'494	1'481	1'453	1'417	1'417	1'407	1'431
	8	1'630	1'638	1'640	1'644	—	1'630	1'602	1'578	1'652	1'530	1'506	1'475
	9	1'635	1'664	1'676	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	1'582	1'564	1'540	1'522	1'502	1'482	1'480	1'456
	11	1'439	1'417	1'401	1'388	1'350	1'312	1'288	1'264	1'227	1'226	1'210	1'232
	12	1'240	1'231	1'223	1'211	1'217	1'213	1'209	1'223	1'229	1'233	1'255	1'268
	13	1'322	1'314	1'314	1'304	1'305	1'297	1'292	1'286	1'286	1'288	1'292	1'290
	14	1'202	1'187	1'175	1'173	1'143	1'119	1'103	1'079	1'071	1'071	1'081	1'099
	15	1'401	1'426	1'446	1'476	1'526	1'549	1'586	1'602	1'628	1'660	1'687	1'702
	16	1'861	1'872	1'876	—	—	—	—	—	—	—	—	—
	17	—	—	—	—	1'917	1'904	1'890	1'894	1'892	1'894	1'906	1'906
	18	1'789	1'773	1'764	1'753	1'736	1'724	1'706	1'696	1'705	1'709	1'713	1'718
	19	1'681	1'672	1'660	1'660	1'641	1'630	1'624	1'612	1'616	1'614	1'608	1'603
	20	1'624	1'615	1'591	1'569	—	1'550	1'538	1'564	1'585	1'588	1'625	1'639
	21	1'509	1'512	1'480	1'450	1'420	1'386	1'341	1'304	1'259	1'220	1'177	1'150
	22	0'961	0'976	0'990	1'013	1'023	1'035	1'044	1'075	1'131	1'175	1'208	1'232
	23	1'472	1'480	1'478	—	—	—	—	—	—	—	—	—
	24	—	—	—	1'514	1'494	1'476	1'464	1'452	1'440	1'426	1'423	1'422
	25	1'555	1'556	1'551	1'542	1'535	1'519	1'497	1'501	1'515	1'513	1'516	1'531
	26	1'644	1'637	1'635	1'629	1'615	1'621	1'627	1'633	1'652	1'660	1'660	1'654
	27	1'358	1'350	1'340	1'322	1'310	1'300	1'295	1'272	1'250	1'278	1'305	1'285
	28	1'333	1'342	1'344	1'319	1'313	1'319	1'327	1'338	1'373	1'390	1'426	1'460
	29	1'534	1'551	1'566	1'580	—	1'594	1'597	1'624	1'678	1'692	1'704	1'731
Hourly Means	1'5395	1'5405	1'5374	1'5122	1'5029	1'5143	1'5052	1'5009	1'5055	1'5039	1'5113	1'5160	
OCTOBER.	Sept. 30	1'717	1'685	1'662	—	—	—	—	—	—	—	—	
	1	—	—	—	—	—	1'862	1'854	1'862	1'878	1'890	1'903	1'920
	2	2'060	2'064	2'072	2'075	2'080	2'076	2'077	2'077	2'097	2'102	2'101	2'110
	3	1'897	1'882	1'862	1'834	1'814	1'794	1'754	1'720	1'707	1'691	1'671	1'654
	4	1'472	1'448	1'424	1'404	1'350	1'322	1'302	1'300	1'279	1'257	1'231	1'227
	5	1'313	1'321	1'344	1'338	1'342	1'344	1'351	1'371	1'398	1'418	1'431	1'456
	6	1'770	1'783	1'793	1'806	1'826	1'837	1'837	1'847	1'872	1'882	1'896	1'919
	7	2'008	2'024	2'030	—	—	—	—	—	—	—	—	—
	8	—	—	—	1'916	1'900	1'892	1'860	1'850	1'838	1'844	1'832	1'820
	9	1'665	1'663	1'658	1'631	1'624	1'623	1'623	1'631	1'653	1'693	1'713	1'725
	10	1'678	1'661	1'649	1'626	1'600	1'574	1'558	0'536	1'513	1'493	1'479	1'454
	11	1'256	1'294	1'285	1'288	1'289	1'293	1'293	1'297	1'313	1'324	1'331	1'332
	12	1'483	1'488	1'492	1'502	1'478	1'466	1'448	1'440	1'448	1'444	1'450	1'446
	13	1'515	1'553	1'566	1'583	1'608	1'625	1'646	1'658	1'671	1'696	1'712	1'720
	14	1'487	1'458	1'417	—	—	—	—	—	—	—	—	—
	15	—	—	—	1'414	1'427	1'411	1'403	1'385	1'391	1'406	1'420	1'417
	16	1'541	1'545	1'551	1'568	1'581	1'593	1'603	1'619	1'658	1'668	1'686	1'700
	17	1'789	1'779	1'774	1'784	1'784	1'776	1'758	1'750	1'758	1'753	1'755	1'745
	18	1'656	1'652	1'644	1'636	1'622	1'615	1'623	1'639	1'658	1'674	1'687	1'689
	19	1'796	1'800	1'801	1'798	1'808	1'820	1'828	1'827	1'829	1'844	1'858	1'864
	20	1'814	1'791	1'782	1'764	1'716	1'704	1'678	—	1'639	1'624	1'590	1'577
	21	1'323	1'312	1'311	—	—	—	—	—	—	—	—	—
	22	—	—	—	1'455	1'451	1'453	1'450	1'446	1'454	1'456	1'462	1'471
	23	1'551	1'562	1'570	1'545	—	1'571	1'563	1'567	—	1'567	1'595	1'605
	24	1'411	1'402	1'368	1'333	1'273	1'248	1'201	1'169	1'196	1'234	1'297	1'397
	25	1'909	1'926	1'942	1'946	1'952	1'958	1'973	1'978	1'982	1'987	1'988	1'974
	26	1'719	1'707	1'699	1'666	1'642	1'630	1'593	1'565	1'538	1'522	1'482	1'440
	27	1'322	1'353	1'363	1'366	1'395	1'431	1'455	1'488	1'532	1'552	1'545	1'543
	28	1'415	1'403	1'392	—	—	—	—	—	—	—	—	—
	29	—	—	—	1'554	1'544	1'536	1'534	1'524	1'546	1'540	1'538	1'538
	30	1'703	1'706	1'714	1'705	1'696	1'705	1'709	1'715	1'734	1'750	1'760	1'767
31	1'906	1'906	1'902	1'894	—	1'914	1'926	1'948	1'935	1'931	1'944	1'949	
Hourly Means	1'6361	1'6359	1'6321	1'6319	1'6167	1'6323	1'6259	1'6234	1'6353	1'6386	1'6428	1'6466	

BAROMETRIC PRESSURE.												Daily and Monthly Means.
Barometer at 32° = 28 English inches + the numbers in the Table.												
12	13	14	15	16	17	18	19	20	21	22	23	
21	22	23	0	1	2	3	4	5	6	7	8	
1.689	1.661	1.627	1.608	1.585	1.564	1.555	1.545	1.538	1.551	1.570	1.579	1.6706
—	—	—	—	—	—	—	—	—	—	—	—	1.6042
1.624	1.614	1.611	1.610	1.609	1.617	1.629	1.640	1.649	1.677	1.680	1.689	1.7524
1.780	1.770	1.756	1.746	1.733	1.743	1.742	1.764	1.784	1.793	1.792	1.803	1.8819
1.904	1.890	1.866	1.850	1.834	1.828	1.822	1.818	1.821	1.820	1.826	1.832	1.6294
1.632	1.610	1.570	1.530	1.484	1.469	1.455	1.463	1.482	1.504	1.514	1.524	1.4839
1.423	1.411	1.407	1.419	1.444	1.467	1.490	1.510	1.517	1.558	1.581	1.615	1.4949
1.442	1.401	1.334	1.299	1.316	1.326	1.340	1.366	1.411	1.482	1.539	1.601	—
—	—	—	—	—	—	—	—	—	—	—	—	1.4656
1.414	1.365	1.304	1.320	1.339	1.355	1.382	1.400	1.407	1.430	1.445	1.444	1.2652
1.224	1.220	1.221	1.208	1.197	1.198	1.210	1.214	1.218	1.230	1.236	1.235	1.2543
1.282	1.276	1.270	1.255	1.251	1.253	1.270	1.285	1.288	1.290	1.315	1.317	1.2647
1.303	1.276	1.250	1.227	1.225	1.224	1.208	1.206	1.210	1.214	1.209	1.210	1.1707
1.115	1.132	—	1.148	1.157	1.179	1.195	1.231	1.261	1.297	1.330	1.377	1.6614
1.722	1.734	1.721	1.750	1.736	1.744	1.749	1.768	1.784	1.810	1.825	1.842	—
—	—	—	—	—	—	—	—	—	—	—	—	1.8529
1.903	1.895	1.868	1.845	1.816	1.796	1.784	1.784	1.768	1.776	1.782	1.788	1.7018
1.718	1.708	1.694	1.684	1.660	1.650	1.640	1.638	1.655	1.661	1.668	1.681	1.6055
1.602	1.581	1.564	1.551	1.546	1.554	1.556	1.558	1.567	1.592	1.609	1.630	1.5894
1.653	1.633	1.605	1.607	1.604	1.598	1.590	1.582	1.566	1.559	1.541	1.530	1.4716
1.093	1.026	0.944	0.892	0.865	0.858	0.870	0.878	0.896	0.919	0.928	0.942	1.3360
1.282	—	1.304	1.315	1.311	1.313	1.329	1.349	1.373	1.397	1.434	1.457	—
—	—	—	—	—	—	—	—	—	—	—	—	1.4760
1.444	1.474	1.453	1.452	1.453	1.462	1.482	1.500	1.520	1.531	1.558	1.553	1.5442
1.535	1.535	1.529	1.531	1.531	1.528	1.538	1.570	1.580	1.596	1.620	1.636	1.5470
1.647	1.626	1.560	1.497	1.431	1.406	1.394	1.377	1.371	1.373	1.395	1.384	1.2738
1.250	1.235	1.209	1.174	1.181	1.210	1.234	1.256	1.269	1.262	1.304	1.321	1.4120
1.469	1.470	1.453	1.470	1.461	1.455	1.457	1.457	1.460	1.469	1.477	1.507	1.6809
1.733	1.741	1.740	1.731	1.723	1.724	1.732	1.738	1.738	1.734	1.741	1.734	—
1.5153	1.5160	1.4942	1.4688	1.4597	1.4608	1.4661	1.4759	1.4853	1.5010	1.5168	1.5292	1.5014
—	—	—	—	—	—	—	—	—	—	—	—	1.9020
1.928	1.938	1.935	1.936	1.937	1.951	1.959	1.968	1.988	2.005	2.023	2.042	2.0303
2.096	2.073	2.038	2.018	1.988	1.971	1.946	1.937	1.929	1.919	1.912	1.910	1.6309
1.629	1.587	1.528	1.497	1.468	1.443	1.437	1.437	1.442	1.453	1.465	1.475	1.2254
1.191	1.165	1.135	1.093	1.050	1.021	0.983	0.979	1.027	1.202	1.258	1.289	1.4761
1.476	1.490	1.492	1.514	1.535	1.548	1.566	1.600	1.648	1.675	1.710	1.745	1.8855
1.924	1.935	1.925	1.924	1.913	1.907	1.911	1.911	1.929	1.944	1.974	1.988	—
—	—	—	—	—	—	—	—	—	—	—	—	1.7899
1.796	1.782	1.750	1.709	1.673	1.651	1.619	1.613	1.622	1.627	1.645	1.657	1.6823
1.720	1.732	1.723	1.729	1.716	1.708	1.700	1.696	1.691	1.686	1.685	1.686	1.4180
1.415	1.388	1.326	1.309	1.281	1.258	1.224	1.208	1.183	1.190	1.205	1.224	1.3451
1.349	1.342	1.340	1.354	1.350	1.366	1.379	1.399	1.413	1.438	1.470	1.488	1.4253
1.420	1.396	1.376	1.345	1.324	1.322	1.326	1.351	1.378	1.424	1.463	1.498	1.6254
1.710	1.698	1.682	1.661	1.642	1.628	1.620	1.592	1.584	1.564	1.552	1.523	—
—	—	—	—	—	—	—	—	—	—	—	—	1.4345
1.420	1.415	1.419	1.418	1.431	1.422	1.430	1.444	1.460	1.493	1.518	1.523	1.6645
1.701	1.703	1.691	1.686	1.692	1.691	1.713	1.728	1.737	1.751	1.777	1.764	1.7169
1.729	1.701	1.691	1.686	1.676	1.661	1.631	1.631	1.633	1.637	1.669	1.656	1.6684
1.686	1.652	1.652	1.647	1.654	1.654	1.665	1.677	1.693	1.726	1.761	1.779	1.8149
1.856	1.811	1.800	1.801	1.799	1.787	1.787	1.795	1.795	1.808	1.820	1.826	1.5516
1.564	1.528	1.519	1.418	1.376	1.426	1.385	1.380	1.364	1.346	1.349	1.352	—
—	—	—	—	—	—	—	—	—	—	—	—	1.4555
1.475	1.473	1.480	1.455	1.477	1.470	1.476	1.498	1.503	1.514	1.527	1.540	1.5203
1.607	1.591	1.563	1.529	1.494	1.462	1.441	1.419	1.393	1.405	1.418	1.429	1.4845
1.480	1.526	1.561	1.613	1.645	—	1.710	1.746	1.781	1.817	1.852	1.884	1.8845
1.944	1.906	1.863	1.843	1.814	1.776	1.754	1.744	1.727	—	1.733	1.725	1.4095
1.370	1.298	1.206	1.169	1.145	1.164	1.165	1.146	1.180	1.213	1.268	1.302	1.4548
1.543	1.523	1.497	1.494	1.470	1.436	1.430	1.428	1.435	1.442	1.435	1.436	—
—	—	—	—	—	—	—	—	—	—	—	—	1.5490
1.555	1.550	1.552	1.553	1.537	1.564	1.569	1.590	1.607	1.640	1.668	1.697	1.7688
1.775	1.770	1.781	1.793	1.793	1.793	1.795	1.809	1.833	1.856	1.884	1.906	1.8883
1.962	1.938	1.930	1.900	1.864	1.835	1.823	1.818	1.810	1.797	1.803	1.796	—
1.6415	1.6263	1.6094	1.5961	1.5842	1.5737	1.5720	1.5757	1.5846	1.5989	1.6239	1.6348	1.6175

BAROMETRIC PRESSURE.													
Barometer at 32° = 28 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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
NOVEMBER.	1	1.799	1.779	1.774	1.754	1.731	1.702	1.680	1.666	1.647	1.635	1.605	1.586
	2	1.610	1.620	1.676	1.646	1.647	1.634	1.635	1.625	1.635	1.631	1.622	1.607
	3	1.586	1.581	1.585	1.579	1.566	1.554	1.563	1.559	1.565	1.573	1.559	1.555
	4	1.684	1.700	1.696	—	—	—	—	—	—	—	—	—
	5	—	—	—	1.655	1.628	1.623	1.615	1.605	1.613	1.626	1.635	1.629
	6	1.604	1.609	1.601	1.595	1.617	1.623	1.640	1.651	1.669	1.688	1.701	1.704
	7	1.512	1.514	1.515	1.519	1.494	1.517	1.529	1.540	1.562	1.589	1.614	1.613
	8	1.425	1.395	1.391	1.409	1.406	1.415	1.429	1.473	1.509	1.545	1.574	1.612
	9	1.836	1.838	1.832	1.825	1.821	—	1.812	1.822	1.818	1.823	1.838	1.841
	10	1.812	1.804	1.797	1.795	1.767	1.744	1.742	1.750	1.724	1.735	1.731	1.717
	11	1.784	1.776	1.774	—	—	—	—	—	—	—	—	—
	12	—	—	—	1.659	1.619	1.591	1.571	1.557	1.540	1.512	1.500	1.469
	13	1.404	1.413	1.411	1.401	1.401	1.409	1.406	1.413	1.381	1.443	1.455	1.454
	14	1.443	1.427	1.427	1.409	1.396	1.390	1.396	1.401	1.440	1.445	1.443	1.467
	15	1.424	1.414	1.443	1.443	1.442	1.447	1.454	1.465	1.477	1.492	1.503	1.517
	16	1.671	1.676	1.681	1.685	1.676	1.668	1.665	1.655	1.650	1.652	1.651	1.643
	17	1.532	1.532	1.526	1.499	1.464	1.437	1.422	1.430	1.464	1.458	1.435	1.409
	18	1.352	1.375	1.386	—	—	—	—	—	—	—	—	—
	19	—	—	—	1.644	1.562	1.561	1.622	1.493	1.501	1.529	1.485	1.488
	20	1.609	1.619	1.621	1.628	1.625	1.640	1.654	1.676	—	1.736	1.764	1.781
	21	1.976	1.972	1.990	1.980	1.998	1.996	1.998	2.003	2.020	2.030	2.048	2.048
	22	1.994	1.981	—	1.956	1.946	1.934	1.940	1.936	1.950	1.954	1.972	1.954
	23	1.905	1.900	1.894	1.868	1.860	1.848	1.830	1.828	—	1.868	1.867	1.910
	24	1.912	1.911	1.913	1.902	1.888	1.878	1.876	1.876	1.872	1.870	1.862	1.860
	25	1.837	1.845	1.861	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	1.909	1.898	1.894	1.932	1.957	1.974	1.980	1.971
	27	1.942	1.937	1.931	1.925	1.922	1.921	1.913	1.916	—	1.945	1.949	1.951
	28	1.903	1.881	1.843	1.842	1.820	1.807	1.793	1.769	1.755	1.729	1.739	1.714
	29	1.515	1.541	1.563	1.605	1.623	1.640	1.682	1.705	1.745	1.770	1.816	1.825
	30	1.950	1.945	1.936	1.926	1.910	1.894	1.874	1.868	1.860	1.857	1.855	1.838
Hourly Means	1.6931	1.6917	1.6826	1.6859	1.6822	1.6708	1.6783	1.6774	1.6675	1.6965	1.7001	1.6986	
DECEMBER.	1	1.787	1.783	—	1.776	1.771	1.771	1.769	1.779	1.798	1.822	1.837	1.848
	2	1.845	1.805	1.799	—	—	—	—	—	—	—	—	—
	3	—	—	—	1.517	1.495	1.479	1.475	1.475	1.475	1.481	1.488	1.487
	4	1.549	1.568	1.556	1.565	1.561	1.552	1.551	1.553	1.564	1.572	1.577	1.599
	5	1.630	1.642	1.653	1.677	1.665	1.673	1.682	1.702	1.733	1.761	1.792	1.822
	6	1.898	1.911	1.905	1.884	1.881	1.861	1.850	1.860	1.859	1.874	1.876	1.888
	7	1.902	1.920	1.898	1.894	1.886	1.870	1.864	1.867	—	—	1.879	1.859
	8	1.857	1.858	1.854	1.848	1.851	1.843	1.834	1.834	—	1.847	1.858	1.853
	9	1.703	1.691	1.671	—	—	—	—	—	—	—	—	—
	10	—	—	—	1.577	1.585	1.583	1.583	1.606	1.621	1.639	1.656	1.651
	11	1.478	1.525	1.529	1.516	1.507	1.500	1.497	1.509	1.513	1.530	1.533	1.535
	12	1.642	1.657	1.665	1.681	1.683	1.707	1.725	1.733	1.732	1.742	1.786	1.794
	13	1.890	1.888	1.893	1.873	1.856	1.844	1.836	1.828	1.812	1.796	1.806	1.800
	14	1.683	1.683	1.684	1.683	1.695	1.701	1.719	1.728	1.772	1.794	1.818	1.840
	15	1.944	1.953	1.954	1.962	—	1.978	1.985	1.996	2.017	2.028	2.046	2.050
	16	2.099	2.098	2.105	—	—	—	—	—	—	—	—	—
	17	—	—	—	2.069	2.050	2.034	2.022	2.020	2.022	2.032	2.033	2.028
	18	2.027	2.031	2.030	2.038	2.025	2.012	2.004	2.004	1.998	2.007	2.008	2.015
	19	1.925	1.910	1.922	1.922	—	—	—	—	1.945	1.960	1.962	1.995
	20	2.047	2.040	2.040	2.029	2.009	2.010	2.008	2.014	2.016	2.016	2.010	1.997
	21	1.708	1.683	1.666	1.646	1.625	1.581	1.545	1.534	1.522	1.558	1.577	1.594
	22	1.745	1.767	1.769	1.762	1.774	1.776	1.771	1.782	1.784	1.789	1.800	1.811
	23	1.775	1.777	1.757	—	—	—	—	—	—	—	—	—
	24	—	—	—	1.602	1.603	1.603	1.611	1.617	1.645	1.676	1.692	1.714
	25	1.764	1.755	1.760	1.756	1.735	1.721	1.705	1.697	1.700	1.700	1.686	1.694
	26	1.619	1.592	1.574	1.555	1.536	1.520	1.522	1.522	1.524	1.516	1.526	1.533
	27	1.610	1.624	1.618	1.602	1.591	1.587	1.585	1.597	1.593	1.572	1.572	1.555
	28	1.549	1.539	1.528	1.524	1.503	1.484	1.464	1.454	1.475	1.465	1.460	1.474
	29	1.652	1.653	1.662	1.664	1.659	1.659	1.649	1.677	1.699	1.707	1.730	1.727
	30 ^a	1.747	1.738	1.707	—	—	—	—	—	—	—	—	—
	31 ^a	—	—	—	1.614	1.598	1.590	1.585	1.593	—	1.607	1.605	1.600
Hourly Means	1.7731	1.7741	1.7705	1.7449	1.7194	1.7229	1.7190	1.7245	1.7313	1.7452	1.7603	1.7665	

^a Not included in the means.

BAROMETRIC PRESSURE.												
Barometer at 32° = 28 English inches + the numbers in the Table.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
1.565	1.531	1.469	1.448	1.434	1.415	1.432	1.466	1.490	1.545	1.574	1.597	1.5968
1.597	1.580	1.549	1.538	1.532	1.519	1.520	1.520	1.502	1.518	1.543	1.562	1.5862
1.552	1.586	1.570	1.571	1.575	1.578	1.588	1.594	1.609	1.635	1.665	1.677	1.5844
—	—	—	—	—	—	—	—	—	—	—	—	1.6180
1.615	1.606	1.604	1.599	1.596	1.582	1.580	1.577	1.572	1.587	1.598	1.607	1.6325
1.706	1.695	1.679	1.658	1.640	—	1.601	1.591	1.583	1.575	1.575	1.543	1.5294
1.604	1.590	1.584	1.550	1.531	1.514	1.497	1.485	1.469	1.470	1.454	1.440	1.5996
1.634	1.657	1.685	1.699	1.712	1.734	1.734	1.755	1.768	1.793	1.805	1.832	1.8135
1.836	1.817	1.805	1.789	1.789	1.785	1.793	1.795	1.801	1.801	1.793	1.800	1.7418
1.711	1.714	1.704	1.682	1.689	1.694	1.721	1.740	1.734	1.763	1.763	1.771	1.4760
—	—	—	—	—	—	—	—	—	—	—	—	1.4190
1.427	1.395	1.363	1.324	1.294	1.280	1.279	1.299	1.326	1.345	1.356	1.383	1.4265
1.456	1.450	1.442	1.434	1.416	1.402	1.390	1.390	1.396	1.414	1.429	1.447	1.5185
1.472	1.464	1.434	1.432	1.425	1.416	1.408	1.411	1.410	1.420	1.427	1.432	1.5904
1.526	1.525	1.530	1.544	—	1.578	1.578	1.594	1.604	1.623	1.642	1.660	1.3765
1.618	1.575	1.547	1.521	1.503	1.493	1.486	1.484	1.477	1.480	1.481	1.532	1.4929
1.376	1.356	1.308	1.288	1.271	1.261	1.250	1.245	1.249	1.269	1.273	1.281	1.7621
—	—	—	—	—	—	—	—	—	—	—	—	2.0020
1.488	1.462	1.475	1.435	1.417	1.432	1.454	1.474	1.500	1.537	1.567	1.591	1.9250
1.782	1.784	1.791	1.794	1.806	1.810	1.830	1.870	1.885	1.915	1.948	1.960	1.8627
2.031	2.026	2.019	2.009	1.985	1.975	1.977	1.988	1.993	1.998	1.996	1.992	1.8367
1.939	1.926	1.916	1.906	1.883	1.875	1.874	1.881	1.876	1.889	1.890	1.903	1.9235
1.858	1.855	1.859	1.854	1.834	1.831	1.836	1.849	1.848	1.863	1.881	1.897	1.9127
1.846	1.830	1.806	1.791	1.781	1.763	1.755	1.758	1.759	1.769	1.787	1.816	1.6325
—	—	—	—	—	—	—	—	—	—	—	—	1.7666
1.966	1.968	1.957	1.947	2.008	1.900	1.884	1.886	1.897	1.912	1.921	1.937	1.8300
1.939	1.930	1.913	1.902	1.891	1.885	1.877	1.871	1.866	1.875	1.890	1.902	1.6698
1.665	1.629	1.585	1.516	1.445	1.413	1.381	1.366	1.354	1.366	1.396	1.469	1.9127
1.835	1.836	1.833	1.827	1.827	1.851	1.857	1.857	1.877	1.907	1.917	1.945	1.6325
1.818	1.801	1.791	1.771	1.739	1.734	1.724	1.747	1.754	1.768	1.784	1.777	1.7666
1.818	1.801	1.791	1.771	1.739	1.734	1.724	1.747	1.754	1.768	1.784	1.777	1.8300
1.6870	1.6764	1.6622	1.6473	1.6409	1.6288	1.6272	1.6343	1.6384	1.6553	1.6675	1.6828	1.6698
1.843	1.855	1.844	1.854	1.841	1.843	1.845	1.831	1.841	1.847	1.856	1.842	1.8210
—	—	—	—	—	—	—	—	—	—	—	—	1.5157
1.479	1.468	1.438	1.433	1.417	1.421	1.433	1.457	1.474	1.491	1.510	1.535	1.5738
1.587	1.602	1.598	1.584	1.583	1.554	1.539	1.547	1.563	1.589	1.623	1.635	1.8138
1.821	1.826	1.834	1.837	1.832	1.832	1.844	1.839	1.841	1.859	1.856	1.878	1.8738
1.873	1.875	1.867	1.863	1.866	1.852	1.845	1.861	1.866	1.885	1.881	1.891	1.8662
1.886	1.883	1.867	1.854	1.855	1.837	1.832	1.828	1.830	1.843	1.849	1.854	1.8079
1.845	1.831	1.829	1.808	1.791	1.764	1.748	1.739	1.735	1.731	1.721	1.703	1.5941
—	—	—	—	—	—	—	—	—	—	—	—	1.5177
1.645	1.636	1.636	1.628	1.604	1.552	1.542	1.506	1.497	1.492	1.485	1.470	1.7705
1.530	1.538	1.522	1.536	1.472	1.474	1.498	1.485	1.497	1.533	1.558	1.609	1.7634
1.795	1.792	1.799	1.803	1.815	1.826	1.830	1.835	1.845	1.863	1.862	1.880	1.7996
1.766	1.758	1.737	1.718	1.690	1.683	1.655	1.638	1.607	1.619	1.655	1.673	2.0107
1.846	1.845	1.852	1.849	1.841	1.845	1.859	1.861	1.874	1.891	1.902	1.926	1.0073
2.047	2.046	2.038	2.032	2.010	1.990	2.010	1.997	2.005	2.029	2.052	2.077	1.9748
—	—	—	—	—	—	—	—	—	—	—	—	1.9578
1.989	1.981	1.965	1.937	1.925	1.915	1.932	1.949	1.960	1.994	2.003	2.014	1.9322
2.013	1.979	1.960	1.949	1.931	1.915	1.889	1.873	1.883	—	1.908	1.922	1.6168
1.987	1.994	1.881	1.872	1.969	1.964	1.965	1.965	1.975	1.994	2.017	2.032	1.7779
1.988	1.961	1.929	1.906	1.887	1.859	1.832	1.797	1.774	1.753	1.735	1.715	1.6987
1.575	1.588	1.602	1.592	1.602	1.598	1.600	1.616	1.644	1.676	1.718	1.754	1.7015
1.809	1.796	1.785	1.781	1.775	1.778	1.767	1.759	1.750	1.771	1.791	1.778	1.5482
—	—	—	—	—	—	—	—	—	—	—	—	1.5244
1.710	1.703	1.714	1.722	1.715	1.715	1.717	1.723	1.729	1.741	1.755	1.752	1.5084
1.686	1.696	1.699	1.697	1.678	1.665	1.665	1.664	1.669	1.687	1.656	—	1.6898
1.549	1.550	1.575	1.564	1.542	1.533	1.538	1.531	1.532	1.549	1.557	1.597	—
1.533	1.490	1.467	1.450	1.395	1.372	1.414	1.426	1.438	1.478	1.493	1.524	—
1.488	1.501	1.498	1.480	1.491	1.491	1.513	1.522	1.538	1.565	1.586	1.610	—
1.705	1.703	1.706	1.704	1.683	1.682	1.672	1.681	1.707	1.705	1.726	1.743	—
—	—	—	—	—	—	—	—	—	—	—	—	—
1.604	1.611	1.610	—	—	—	—	—	—	—	—	—	—
1.7598	1.7559	1.7457	1.7381	1.7284	1.7184	1.7194	1.7172	1.7230	1.7327	1.7502	1.7673	1.7409

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
1842 Dec. 31	53°5	53°0	52°8	—	—	—	—	—	—	—	—	—	
JANUARY.	1	—	—	56°8	55°2	54°5	54°5	53°2	55°2	56°5	60°5	63°4	
	2	60°2	59°5	58°5	58°5	58°0	58°0	58°0	58°2	58°4	59°2	61°6	
	3	58°0	57°0	55°0	53°5	52°0	52°4	52°0	51°8	51°8	55°0	57°5	61°2
	4	63°0	61°6	60°4	59°8	59°6	59°0	58°5	57°8	58°0	60°0	62°0	65°6
	5	62°4	60°2	60°0	60°6	60°0	60°0	60°0	60°0	60°2	61°5	63°1	64°2
	6	59°8	58°2	56°4	54°6	54°0	54°0	53°5	53°8	54°8	55°8	58°5	60°4
	7	56°4	56°2	56°2	—	—	—	—	—	—	—	—	—
	8	—	—	—	53°0	53°0	52°0	52°0	51°0	50°6	50°8	51°4	51°8
	9	55°0	55°0	55°0	52°0	51°0	50°0	49°6	48°8	50°0	52°0	55°5	59°2
	10	60°6	58°8	57°4	56°0	55°5	55°2	54°8	54°5	54°5	56°2	60°5	63°5
	11	59°5	59°0	59°0	58°0	57°0	57°0	58°0	57°6	57°6	58°4	59°8	62°4
	12	57°0	57°0	57°2	58°0	58°0	58°0	58°2	58°0	58°0	58°5	60°0	61°0
	13	65°0	64°6	64°0	64°2	65°5	64°8	64°5	64°2	—	66°0	67°2	67°0
	14	55°0	54°5	54°0	—	—	—	—	—	—	—	—	—
	15	—	—	—	57°6	57°4	55°6	55°0	55°4	55°5	56°2	56°5	57°5
	16	56°2	56°2	55°8	55°5	—	55°2	55°0	54°5	55°0	56°0	56°5	57°2
	17	59°5	54°8	53°8	53°8	53°5	53°0	53°0	53°0	—	53°4	55°4	59°0
	18	55°0	54°8	54°6	54°8	54°8	54°5	54°6	52°8	52°5	54°5	57°0	61°2
	19	66°8	66°0	65°0	63°6	63°0	61°6	60°8	60°2	59°5	60°5	62°5	67°5
	20	57°5	55°5	54°5	52°6	51°0	49°2	48°5	47°0	47°4	48°8	53°4	56°2
	21	55°0	54°0	53°0	—	—	—	—	—	—	—	—	—
	22	—	—	—	—	49°8	49°0	47°6	47°0	46°5	48°0	51°6	55°0
	23	55°5	54°8	53°0	52°5	52°0	53°0	51°0	50°5	50°6	51°8	56°8	60°8
	24	65°5	64°0	62°5	62°0	—	—	62°6	63°0	63°5	64°0	64°0	68°8
	25	67°6	65°2	63°6	62°2	62°0	61°8	61°5	60°2	58°2	58°0	59°0	60°5
	26	58°5	58°0	57°5	56°6	56°4	56°2	55°4	54°8	54°5	56°0	59°5	64°5
	27	61°0	58°0	58°0	57°2	57°0	56°2	55°0	54°8	54°4	55°8	59°5	62°5
	28	57°8	56°8	55°6	—	—	—	—	—	—	—	—	—
	29	—	—	—	57°2	57°0	56°0	55°0	53°0	52°8	55°2	58°4	59°0
	30	52°5	55°5	51°0	50°0	49°4	49°0	48°6	48°6	48°2	49°4	51°8	53°2
	31	52°8	51°5	52°0	52°4	—	52°5	51°5	50°0	—	—	52°2	56°0
Hourly Means	58°76	57°77	56°88	56°65	55°94	55°30	55°14	54°57	54°48	56°03	58°12	60°75	
FEBRUARY.	1	57°5	56°8	55°0	54°8	54°5	54°4	54°0	54°0	55°0	57°8	60°2	
	2	68°0	68°0	61°0	60°0	58°8	57°6	56°4	55°6	54°5	56°2	58°8	62°0
	3	62°6	61°6	61°2	60°6	60°0	60°2	60°5	61°0	61°2	62°0	64°8	67°5
	4	69°2	70°5	71°8	—	—	—	—	—	—	—	—	—
	5	—	—	—	57°0	57°2	57°4	57°2	57°0	58°0	57°2	58°5	60°5
	6	58°4	57°6	58°0	58°8	57°6	56°4	54°5	53°2	52°4	53°5	54°8	59°0
	7	61°8	59°8	58°5	57°0	56°0	55°0	54°0	53°8	53°2	54°0	57°6	62°2
	8	68°0	66°8	66°0	64°0	64°0	63°4	61°8	60°6	60°0	61°2	63°0	65°8
	9	57°2	57°4	57°8	58°0	57°5	56°2	55°5	55°0	55°4	56°8	58°3	62°0
	10	60°0	59°5	—	59°5	58°8	58°6	58°5	58°3	58°4	58°6	59°2	60°0
	11	62°0	61°0	60°0	—	—	—	—	—	—	—	—	—
	12	—	—	—	69°0	67°5	66°5	65°8	64°5	64°0	64°8	66°0	69°4
	13	63°0	61°8	61°5	61°2	59°0	57°2	54°5	52°2	51°6	52°8	54°4	56°6
	14	52°7	50°4	50°0	50°0	50°2	50°4	50°4	50°6	50°8	51°0	53°2	56°0
	15	55°6	55°4	55°0	54°8	54°2	53°8	53°5	52°6	52°8	54°0	56°5	60°0
	16	61°8	61°2	60°8	60°5	60°0	60°0	59°5	59°0	58°8	59°0	60°2	61°6
	17	55°2	54°8	54°5	54°0	53°0	53°8	53°2	53°4	—	55°0	55°0	57°2
	18	57°2	57°2	57°0	—	—	—	—	—	—	—	—	—
	19	—	—	—	58°0	58°0	58°0	58°0	58°0	57°0	58°0	60°2	62°0
	20	58°0	57°8	56°0	55°5	56°6	56°8	57°0	57°4	57°5	57°5	57°8	59°5
	21	61°5	61°2	61°4	61°6	61°5	61°5	61°5	61°2	—	61°5	62°5	64°2
	22	64°5	64°4	63°8	63°0	62°0	60°2	58°0	57°0	56°4	56°8	59°2	62°2
	23	65°5	64°2	63°0	63°0	62°6	62°6	62°4	61°8	61°0	61°5	62°8	65°2
	24	65°2	64°0	63°6	63°6	63°8	64°0	—	62°8	62°5	62°5	64°0	65°2
	25	58°5	56°0	55°0	—	—	—	—	—	—	—	—	—
	26	—	—	—	52°8	52°0	51°0	50°0	49°6	48°8	48°5	49°5	52°5
	27	52°8	52°2	52°0	51°8	52°5	52°0	51°0	51°0	50°0	51°0	53°0	55°5
	28	56°8	56°5	56°5	56°8	56°5	56°0	53°7	53°1	51°4	50°2	53°8	58°2
Hourly Means	60°54	59°84	59°10	58°55	58°07	57°62	56°56	56°36	55°90	56°61	58°37	61°02	

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
66.6	68.8	71.2	72.6	74.2	70.5	70.0	69.5	67.0	66.0	62.8	61.2	} 62.02
64.4	66.6	69.0	69.0	70.2	71.5	72.0	72.0	70.6	65.6	62.8	60.0	
65.0	67.5	70.0	73.0	75.0	78.0	78.6	79.0	75.8	72.0	69.0	66.0	63.59
68.5	70.0	75.0	74.2	74.0	75.8	74.8	71.8	70.0	68.4	65.8	64.0	65.73
64.5	66.5	68.5	69.5	73.0	73.5	75.0	75.0	76.8	72.6	66.2	61.5	65.62
62.8	66.2	68.0	67.0	66.8	66.6	65.8	63.8	63.2	60.8	58.4	57.0	60.01
53.0	54.5	55.5	58.8	60.5	62.0	62.0	61.8	61.4	58.0	56.5	55.5	} 55.58
62.0	64.5	67.0	68.2	68.5	68.8	71.6	71.6	70.2	69.0	65.4	62.6	
67.4	70.8	71.2	73.0	72.0	72.5	67.2	66.0	66.0	64.0	62.0	60.4	62.50
64.8	65.0	67.2	68.5	68.4	68.5	68.2	65.5	61.5	59.5	58.4	57.2	61.50
62.5	65.0	66.0	67.0	67.8	69.6	70.4	74.6	78.8	73.4	69.0	66.4	63.73
67.2	70.0	70.2	65.2	66.0	68.5	66.8	66.6	56.0	62.0	58.6	56.0	65.18
59.0	58.6	57.2	58.5	59.6	61.0	60.4	60.6	62.8	60.0	59.0	57.0	} 57.66
59.4	61.6	63.8	62.6	64.5	65.5	69.0	66.8	66.0	65.0	61.8	58.5	
59.0	60.8	63.0	63.8	65.2	66.6	66.0	65.6	—	62.0	58.8	57.2	58.65
64.2	68.2	72.0	75.6	75.8	76.5	71.0	76.6	77.2	74.5	70.2	67.8	63.78
71.2	74.2	79.0	82.8	72.0	70.5	71.4	71.8	77.2	72.5	66.0	60.2	67.74
59.5	62.5	64.0	69.5	69.8	72.0	74.0	73.6	69.0	64.0	60.2	57.0	59.03
58.4	59.2	60.8	63.6	66.8	68.8	68.2	67.2	65.5	62.2	60.0	58.4	} 57.20
65.0	68.0	71.8	75.5	78.0	80.5	83.5	83.5	78.4	74.6	71.5	67.2	
71.5	74.0	82.0	85.0	88.2	86.0	81.4	79.4	81.8	79.6	75.5	71.5	72.54
63.8	66.2	67.8	71.0	72.8	75.5	71.5	68.0	67.0	64.0	61.5	59.6	64.52
67.5	70.5	72.0	75.5	74.0	71.5	71.6	72.0	70.4	66.6	63.5	62.0	63.71
66.5	69.5	71.5	65.5	67.6	68.8	63.2	63.8	68.0	67.6	63.0	60.0	61.85
59.0	60.8	64.8	67.5	66.0	67.5	66.5	63.8	63.6	60.4	56.8	54.5	} 59.38
54.0	56.5	55.8	61.2	62.0	64.0	63.6	62.2	61.4	58.2	55.5	54.2	
59.4	63.6	66.0	68.2	70.8	71.6	71.8	71.8	69.8	68.2	62.2	60.2	60.69
63.19	65.54	67.79	69.33	69.98	70.82	70.20	69.74	69.40	66.32	62.98	60.49	62.00
64.8	69.8	73.0	78.0	81.0	81.0	82.5	77.0	75.2	73.5	70.0	67.2	65.04
63.0	67.0	70.0	72.0	72.6	73.4	73.6	73.2	73.2	68.8	65.2	63.5	64.68
72.0	74.0	76.0	78.4	81.5	82.0	80.5	76.0	74.0	73.5	72.2	71.2	68.94
63.0	67.0	70.0	72.0	74.2	76.2	78.0	75.2	67.2	64.6	62.8	61.0	} 65.11
63.2	66.0	68.0	70.8	72.5	73.8	73.8	73.5	72.2	68.8	65.6	63.2	
66.6	70.5	73.8	76.5	78.8	79.5	81.0	79.6	78.0	76.0	73.0	70.0	66.09
68.0	72.0	68.6	70.0	69.0	68.8	64.0	60.8	59.0	58.0	57.5	57.0	64.05
66.0	69.2	71.8	74.8	73.2	69.8	69.0	66.8	67.0	63.8	61.0	60.0	62.48
61.0	62.5	64.0	68.0	70.0	—	74.0	74.5	73.0	70.0	66.0	64.0	63.47
74.6	78.6	80.6	81.2	81.0	79.5	77.5	74.5	73.0	71.6	70.6	68.5	} 70.49
60.0	62.6	65.0	66.8	67.8	64.8	62.5	64.4	66.2	62.0	57.5	54.8	
59.0	60.5	61.0	64.0	64.8	66.4	66.0	64.8	62.6	62.0	59.6	57.2	56.82
64.4	67.4	71.8	73.2	72.8	71.0	70.0	71.5	70.5	69.0	66.0	63.4	62.05
64.2	67.5	—	65.0	64.5	62.4	61.6	60.5	58.8	57.5	56.5	56.0	60.73
59.5	59.0	59.5	64.0	64.4	64.4	65.4	63.4	60.4	58.6	58.0	57.4	57.96
63.5	66.0	68.0	70.0	69.8	69.4	68.8	68.2	66.4	62.0	59.5	58.0	} 62.01
60.4	61.5	62.0	62.5	65.6	68.4	70.8	72.2	71.2	66.6	63.2	61.8	
68.0	71.2	74.0	75.8	77.0	77.5	78.8	75.8	74.6	70.0	66.6	64.8	67.55
66.6	68.2	71.8	71.8	72.2	74.6	75.2	72.0	71.0	69.0	67.0	65.8	65.53
70.0	74.0	76.5	79.0	81.2	84.0	85.6	81.8	71.2	68.0	67.2	66.0	69.17
66.0	65.2	65.4	65.5	65.8	66.2	67.5	65.0	64.2	64.0	63.0	60.8	64.34
55.0	57.2	63.8	60.2	62.2	60.2	57.6	57.2	58.6	56.4	58.8	53.5	} 55.20
58.8	61.4	62.2	62.4	63.6	64.8	66.5	67.5	66.0	63.8	60.0	58.0	
62.5	66.8	70.0	72.8	75.0	75.5	74.0	79.0	77.2	72.8	68.0	65.0	63.25
64.17	66.88	68.99	70.61	71.69	71.90	71.84	70.60	68.78	66.26	63.95	62.00	63.19

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
MARCH.	1	63.2	62.0	61.5	61.0	60.0	59.4	59.0	58.6	58.0	58.0	61.0	63.8
	2	60.0	59.6	56.2	52.6	51.2	50.0	50.0	50.0	50.2	50.5	51.6	55.0
	3	53.7	53.0	53.0	53.8	54.0	54.0	53.5	53.0	52.6	52.6	54.4	57.2
	4	59.2	58.0	57.0	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	52.5	52.5	52.2	52.0	51.0	50.5	52.5	55.0
	6	54.3	52.8	53.0	52.8	53.0	53.0	54.0	54.5	54.4	54.0	56.4	61.4
	7	59.0	59.0	58.0	56.5	56.6	55.4	54.4	54.4	53.5	53.5	—	60.0
	8	64.0	63.2	62.2	61.6	61.0	60.0	59.0	58.5	59.0	59.4	61.0	63.6
	9	64.5	63.5	60.8	60.2	61.0	60.2	59.5	57.4	—	55.2	55.0	56.2
	10	57.2	57.6	57.8	58.4	59.0	58.4	57.8	57.0	56.0	55.5	55.5	57.0
	11	48.4	48.0	47.4	—	—	—	—	—	—	—	—	—
	12	—	—	—	52.0	52.0	51.8	51.5	51.8	52.0	53.0	54.4	55.8
	13	49.0	48.0	47.0	45.2	45.0	45.0	45.6	45.8	—	44.8	45.0	49.6
	14	49.6	47.6	47.0	45.4	43.8	43.8	43.2	42.8	41.8	41.5	43.0	46.4
	15	53.2	53.5	53.2	52.0	49.2	49.0	48.0	47.0	46.2	46.0	47.5	51.2
	16	62.2	60.8	60.2	58.6	56.8	56.0	56.0	55.4	55.0	54.5	56.0	58.0
	17	65.8	65.0	63.6	64.8	64.5	64.0	63.0	62.0	61.8	61.5	62.2	61.0
	18	56.0	54.6	52.8	—	—	—	—	—	—	—	—	—
	19	—	—	—	54.0	53.6	53.5	53.0	53.0	52.8	52.5	53.0	55.5
	20	57.0	56.4	56.2	56.0	52.6	54.8	54.2	54.0	54.0	53.0	54.2	57.0
	21	59.4	59.0	58.6	58.0	57.2	57.0	57.0	56.0	55.5	54.9	55.5	—
	22	58.2	57.0	56.2	57.2	56.9	56.0	54.0	52.4	52.0	51.5	53.5	56.5
	23	69.5	68.4	67.2	65.0	63.8	62.2	61.5	60.5	60.4	60.2	59.0	58.0
	24	51.2	50.5	49.5	49.6	49.0	49.0	48.7	48.5	—	48.6	49.8	52.6
	25	57.6	57.4	57.4	—	—	—	—	—	—	—	—	—
	26	—	—	—	56.8	57.5	56.8	56.2	55.5	55.2	54.5	54.0	55.0
	27	49.7	48.8	48.0	47.0	47.0	47.2	47.4	47.6	48.2	48.6	50.0	53.0
	28	64.4	63.7	63.2	63.0	62.6	62.0	61.6	61.6	61.5	61.2	62.2	64.8
	29	63.0	60.8	60.0	59.8	59.5	59.2	59.0	58.5	58.5	58.5	58.0	60.0
	30	65.5	67.0	67.5	67.0	68.0	67.5	—	65.0	63.6	62.6	62.4	65.2
	31	54.5	54.8	54.5	54.5	56.0	54.2	53.6	54.4	54.0	53.5	54.0	57.5
Hourly Means	58.12	57.41	56.63	56.26	55.68	55.26	54.34	54.34	54.47	53.71	54.66	57.17	
APRIL.	1	53.8	53.4	54.2	—	—	—	—	—	—	—	—	
	2	—	—	—	—	44.8	45.0	45.0	45.0	—	—	45.0	47.2
	3	48.0	48.0	48.0	48.0	47.4	47.2	47.0	46.2	—	44.5	45.0	48.5
	4	49.5	48.5	47.6	46.5	46.4	46.2	45.6	45.0	44.0	43.6	45.0	49.0
	5	49.8	49.8	49.6	49.4	48.0	48.0	48.0	47.0	46.4	45.8	46.0	49.5
	6	49.8	48.0	47.5	46.0	45.0	44.8	43.8	43.0	—	41.2	41.5	45.2
	7	51.8	50.6	51.0	48.8	48.5	48.0	47.6	47.2	46.8	46.5	47.0	50.3
	8	57.2	56.0	56.2	—	—	—	—	—	—	—	—	—
	9	—	—	—	—	66.0	65.6	65.4	65.2	65.5	66.0	66.2	68.0
	10	60.2	59.4	58.0	57.4	56.5	55.5	55.0	54.5	53.0	52.8	52.6	52.7
	11	49.8	48.5	47.5	46.8	45.9	46.0	46.2	45.5	44.8	43.8	44.2	47.2
	12	50.7	50.8	50.4	49.8	49.2	48.8	48.2	48.8	49.0	49.5	51.2	51.5
	13	66.0	65.0	64.4	63.6	63.0	62.5	62.2	59.8	58.4	56.9	55.2	54.5
	14	48.5	48.5	48.5	48.4	48.5	48.5	48.5	47.5	45.8	46.2	46.4	47.2
	15	45.0	43.5	42.0	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	49.8	49.5	49.2	49.0	49.2	49.2	49.5	49.5
	17	53.8	53.8	53.5	53.8	53.8	53.6	53.6	53.6	53.0	53.0	52.8	54.2
	18	55.5	55.8	55.8	55.6	55.0	54.6	54.4	54.2	53.2	53.0	52.5	53.8
	19	54.0	53.6	52.6	52.0	50.2	49.8	50.0	50.5	50.8	51.2	51.2	52.8
	20	61.8	61.5	60.5	60.2	59.4	57.6	55.6	54.8	54.8	54.2	53.6	—
	21	49.0	47.5	45.8	45.5	44.2	43.0	42.6	42.6	41.4	41.4	41.5	43.0
	22	44.6	44.4	44.6	—	—	—	—	—	—	—	—	—
	23	—	—	—	44.8	44.8	44.8	44.8	44.8	44.6	43.8	42.6	43.6
	24	42.8	43.0	43.4	43.6	41.6	40.0	38.8	38.2	38.5	38.5	38.5	40.2
	25	44.0	44.6	44.2	44.2	43.0	42.5	42.2	42.0	40.5	40.2	40.0	43.2
	26	49.0	48.5	48.2	47.5	46.5	45.2	44.2	44.2	44.6	45.2	45.0	46.0
	27	46.2	45.3	44.8	44.2	—	44.4	44.0	44.4	44.0	43.5	43.0	43.6
	28	42.6	42.4	40.6	40.0	40.5	41.5	40.8	40.2	40.0	40.0	40.0	41.5
	29	52.8	51.8	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	48.8	48.0	47.6	48.0	48.8	47.6	47.2	47.5	48.8
Hourly Means	51.05	50.49	49.95	49.32	49.42	48.81	48.43	48.08	47.99	47.38	47.32	48.79	

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
64.5	65.5	—	68.0	69.4	72.0	72.4	70.0	68.0	66.8	64.8	62.8	63.90
57.6	59.4	61.2	64.8	65.2	66.0	63.0	61.8	62.5	59.0	56.0	54.6	57.00
58.8	62.5	67.5	67.8	70.8	72.8	72.0	74.0	72.5	67.0	63.2	61.0	60.61
—	—	—	—	—	—	—	—	—	—	—	—	58.72
58.4	59.8	63.2	66.0	67.5	68.5	68.0	67.5	63.8	60.8	58.2	56.4	61.48
64.8	68.8	73.5	77.5	82.0	74.0	67.0	66.0	64.0	62.7	61.2	60.5	63.71
65.6	69.0	71.5	73.4	73.5	73.6	75.5	73.4	71.0	68.0	65.8	64.8	65.69
65.2	68.0	70.6	71.6	—	75.6	74.0	74.2	74.8	70.5	68.0	65.8	61.20
59.5	61.0	62.2	63.0	66.5	66.2	68.0	68.0	64.6	60.0	58.0	57.0	57.99
58.5	57.8	62.0	62.5	63.0	63.2	62.2	59.4	56.6	51.4	50.0	—	54.36
—	—	—	—	—	—	—	—	—	—	—	—	51.83
58.0	59.5	62.2	64.2	59.0	55.2	56.8	58.0	57.0	54.2	52.0	50.5	51.23
53.0	57.0	57.0	57.4	58.4	60.6	60.6	59.4	59.6	55.2	53.0	51.0	58.72
52.0	55.0	58.4	59.2	61.0	62.5	62.8	62.0	58.8	55.5	53.6	52.8	63.75
56.2	60.5	63.8	68.2	71.0	73.5	74.8	74.8	72.0	69.0	66.0	63.5	60.79
60.5	65.5	70.0	74.0	74.6	74.4	72.6	72.4	71.4	69.6	68.5	67.0	57.96
59.4	58.2	57.6	58.6	60.0	60.5	59.5	58.2	57.2	57.0	57.0	56.6	59.82
—	—	—	—	—	—	—	—	—	—	—	—	60.16
58.8	61.8	62.8	65.2	66.4	67.0	66.0	63.8	61.2	59.0	57.8	57.0	63.94
59.0	61.2	62.5	65.0	67.5	68.0	70.0	69.2	67.0	64.5	62.0	60.5	60.55
58.0	60.0	60.8	62.5	64.8	67.0	66.0	65.4	65.2	64.4	62.0	59.4	54.96
60.0	64.0	68.0	72.5	76.0	78.8	80.4	79.8	77.5	73.8	71.8	70.6	57.32
58.0	58.6	60.6	62.4	61.2	58.5	58.6	58.5	58.2	56.0	54.0	52.8	58.10
53.8	56.2	59.0	61.8	63.0	61.5	62.0	63.2	62.2	58.6	58.0	57.8	70.06
—	—	—	—	—	—	—	—	—	—	—	—	62.25
57.6	58.6	58.8	61.4	62.8	62.2	61.5	61.2	58.0	55.2	53.4	51.0	62.63
57.2	61.8	66.5	69.2	72.2	72.0	72.2	71.5	70.5	67.8	66.0	65.0	58.83
67.0	73.2	79.0	81.2	82.4	83.2	83.4	82.4	79.0	74.8	72.6	71.4	59.91
61.2	62.8	65.0	67.2	68.5	69.0	68.0	67.8	65.0	62.8	61.0	60.8	52.92
68.8	71.8	64.8	60.8	60.0	58.5	57.5	56.5	55.8	55.0	55.0	54.8	52.47
60.5	64.6	69.0	69.6	67.2	66.2	64.4	63.2	61.2	58.8	56.6	55.2	51.29
59.70	62.30	64.52	66.48	67.46	67.80	67.05	66.73	64.99	62.12	60.20	59.25	53.17
—	—	—	—	—	—	—	—	—	—	—	—	52.51
50.0	53.8	56.5	57.0	58.8	60.4	62.0	60.8	58.8	55.8	53.0	51.0	56.99
51.0	54.5	57.0	59.0	60.6	62.8	63.5	61.8	58.5	55.5	53.2	51.5	65.20
52.5	57.2	61.1	64.0	65.0	63.6	57.6	53.4	51.2	49.8	49.2	49.5	54.80
52.5	54.8	57.5	59.8	62.2	64.0	63.8	62.4	59.6	56.5	53.8	51.8	51.20
49.2	54.4	58.7	62.4	65.6	67.0	65.6	63.6	60.0	57.2	55.3	54.0	58.42
53.8	58.8	63.0	67.6	71.5	73.5	71.8	70.5	68.0	64.5	61.6	59.0	56.15
—	—	—	—	—	—	—	—	—	—	—	—	50.37
69.2	72.0	74.8	74.2	71.6	68.4	64.8	63.2	61.8	60.8	61.0	60.4	51.36
53.4	54.6	55.8	57.8	57.8	56.8	54.5	53.5	51.8	51.2	50.4	50.0	56.58
49.8	53.2	56.0	57.2	58.8	60.5	60.3	59.8	57.2	54.9	53.0	52.0	56.67
53.2	58.0	60.8	62.8	67.6	72.0	75.0	74.6	73.4	70.0	69.0	67.4	57.91
54.6	54.0	53.2	52.6	52.2	51.2	50.8	50.0	49.7	49.2	49.8	48.8	56.38
50.0	52.5	53.8	55.8	58.0	59.0	57.2	55.2	51.4	50.0	47.7	45.7	46.67
—	—	—	—	—	—	—	—	—	—	—	—	45.19
50.2	51.4	53.0	54.2	54.8	55.8	57.5	58.5	57.0	55.0	54.5	54.0	42.74
58.5	61.4	62.5	62.0	61.5	61.2	60.5	60.5	58.6	56.8	56.2	55.8	47.23
55.2	56.8	59.5	62.8	63.0	63.4	62.4	60.0	57.5	56.2	55.2	54.6	47.75
55.6	57.8	62.5	64.7	67.5	69.6	68.6	68.2	66.5	64.8	63.3	62.0	47.01
56.8	57.8	60.0	58.8	57.2	56.0	55.0	54.4	53.4	52.0	51.0	50.4	48.78
45.8	49.0	52.8	54.5	52.6	52.6	51.8	51.4	49.6	47.2	46.0	45.2	55.14
—	—	—	—	—	—	—	—	—	—	—	—	52.59
44.8	46.2	47.5	48.2	47.9	47.5	46.9	46.8	45.2	44.6	43.5	43.2	51.45
42.9	44.2	44.5	45.5	46.4	46.4	46.0	45.2	44.8	44.4	44.4	44.0	54.58
47.8	50.0	51.4	53.0	54.6	55.0	56.2	54.0	52.0	50.0	49.6	49.4	54.58
47.2	48.8	50.8	51.8	51.5	51.2	50.5	49.8	49.0	48.0	47.0	46.2	57.91
45.0	47.5	49.8	52.0	54.4	54.0	53.4	51.8	49.4	47.0	45.4	44.2	56.88
46.0	49.8	53.4	56.8	60.6	62.5	62.6	61.8	60.0	57.4	55.6	54.0	46.67
—	—	—	—	—	—	—	—	—	—	—	—	45.19
51.2	56.0	58.2	61.8	64.6	66.4	66.6	65.6	63.2	60.5	59.3	59.0	42.74
51.45	54.58	56.56	58.25	59.45	60.03	59.40	58.27	56.30	54.39	53.04	52.12	47.23

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
MAY.	1	58°0	57°2	55°6	54°8	54°5	53°5	53°0	53°8	53°2	52°5	51°7	53°0
	2	62°0	62°0	60°4	59°5	59°0	58°5	58°0	57°8	56°0	55°0	54°4	57°0
	3	54°3	54°7	55°2	55°8	56°2	55°8	56°2	56°0	55°0	53°5	52°8	54°5
	4	60°6	60°4	59°2	58°0	56°5	55°2	55°2	54°2	52°2	52°0	51°7	51°8
	5	54°0	52°9	51°8	50°3	49°0	48°5	—	47°5	47°4	47°4	46°8	47°2
	6	48°8	48°4	48°7	—	—	—	—	—	—	—	—	—
	7	—	—	—	49°5	49°2	49°0	49°5	49°5	49°3	49°2	49°0	48°2
	8	46°2	45°5	45°5	45°8	45°8	45°5	45°2	45°0	45°4	45°6	46°0	48°4
	9	46°8	45°8	44°8	43°0	42°4	42°2	41°6	41°0	41°0	41°0	41°5	43°2
	10	44°6	44°2	43°8	42°6	42°0	41°5	41°0	40°5	40°2	40°0	39°8	42°0
	11	51°4	51°0	50°5	49°6	49°0	48°5	47°8	47°2	46°8	45°6	44°6	45°8
	12	49°2	48°5	49°0	49°2	48°6	46°6	45°2	44°2	—	42°8	42°5	42°5
	13	45°0	44°4	44°0	—	—	—	—	—	—	—	—	—
	14	—	—	—	46°0	46°0	46°0	45°7	44°2	43°8	43°6	43°0	43°2
	15	49°7	49°0	47°8	47°5	47°6	47°4	47°4	47°6	47°5	47°5	46°8	47°0
	16	52°0	52°6	53°3	53°8	54°8	55°2	54°5	53°0	53°0	53°0	53°2	54°2
	17	54°8	—	53°8	53°5	53°0	52°6	52°2	52°0	52°8	54°0	55°0	55°4
	18	51°0	49°2	48°0	47°6	47°4	46°5	45°6	45°4	44°4	43°5	42°5	42°2
	19	48°5	47°8	47°4	46°6	44°8	43°8	43°0	42°8	43°0	43°5	42°0	42°8
	20	43°0	41°4	40°8	—	—	—	—	—	—	—	—	—
	21	—	—	—	44°6	44°6	44°0	42°8	42°9	44°0	44°2	45°0	45°8
	22	47°3	46°7	46°0	45°0	46°0	45°5	45°0	—	—	45°4	45°2	46°0
	23	48°2	47°8	47°5	47°8	47°8	47°0	—	45°3	45°0	45°4	45°5	45°9
	24	50°8	50°6	50°8	50°6	50°3	49°8	48°5	48°0	47°0	47°0	48°2	49°4
	25	53°2	52°6	51°1	50°0	49°8	49°8	50°0	52°2	53°0	53°5	54°0	53°8
	26	47°7	47°3	47°1	47°0	47°0	47°2	47°0	47°4	47°2	47°2	47°3	47°9
	27	47°4	47°5	47°5	—	—	—	—	—	—	—	—	—
	28	—	—	—	42°0	42°0	42°0	41°8	41°8	42°0	41°0	40°5	41°0
	29	44°0	43°5	43°2	43°0	42°2	41°0	39°6	39°0	39°0	38°6	37°7	38°3
	30	46°2	48°2	50°0	51°2	52°6	52°6	52°2	51°5	51°2	51°0	51°8	52°3
	31	53°7	53°4	52°6	51°6	50°8	50°4	49°5	49°2	48°5	47°5	46°0	45°2
Hourly Means	50°31	49°72	49°44	49°14	48°85	48°36	47°90	47°65	47°52	47°06	46°83	47°55	
JUNE.	1	46°8	46°1	45°6	45°0	45°5	45°0	45°2	45°0	45°0	45°0	44°7	
	2	47°8	47°8	47°0	45°8	45°0	44°4	43°6	44°2	44°4	44°0	43°8	
	3	48°7	48°6	48°7	—	—	—	—	—	—	—	—	
	4	—	—	—	—	48°2	48°4	47°8	47°5	47°1	46°3	46°2	
	5	48°0	48°0	48°0	48°0	47°1	46°7	46°3	46°3	46°0	45°2	44°3	
	6	46°4	45°7	44°9	44°0	43°8	43°2	42°8	42°5	42°5	43°0	42°5	
	7	44°0	43°2	42°7	41°7	41°5	40°8	40°0	39°0	38°9	39°2	39°8	
	8	50°0	50°0	50°0	50°0	49°7	49°3	49°6	50°1	51°0	51°0	51°0	
	9	50°2	50°0	50°8	51°6	52°0	52°2	53°0	53°0	52°8	53°0	53°0	
	10	54°5	54°4	54°0	—	—	—	—	—	—	—	—	
	11	—	—	—	50°6	50°3	49°6	49°0	48°3	48°5	49°6	50°5	
	12	50°5	50°4	49°8	49°2	48°8	48°8	49°5	49°2	49°0	49°0	49°0	
	13	46°8	46°2	46°2	45°5	45°8	45°8	45°0	45°0	44°6	44°8	44°6	
	14	43°8	43°5	43°2	42°5	42°9	43°3	43°5	43°7	44°2	43°6	43°5	
	15	48°0	47°8	47°0	45°8	43°0	41°5	42°5	43°5	44°5	44°6	44°5	
	16	42°3	43°0	43°5	43°5	43°2	42°8	42°0	41°2	40°8	40°3	40°4	
	17	47°7	47°0	46°6	—	—	—	—	—	—	—	—	
	18	—	—	—	43°5	42°5	42°2	42°4	42°5	42°2	42°0	41°2	
	19	50°2	49°5	49°4	49°5	49°4	49°0	49°0	—	49°8	49°4	48°9	
	20	49°2	49°4	49°0	49°0	48°7	48°5	48°6	48°7	48°4	48°0	47°6	
	21	44°1	43°3	43°3	43°1	42°4	41°8	41°4	41°0	41°0	40°8	40°8	
	22	51°6	51°2	50°0	49°3	49°5	49°4	49°0	48°0	47°5	48°0	48°0	
	23	46°0	45°0	44°0	43°0	43°1	42°7	42°2	41°0	—	38°4	38°4	
	24	44°5	44°5	44°4	—	—	—	—	—	—	—	—	
	25	—	—	—	47°8	47°8	48°0	48°0	47°8	47°8	48°0	47°8	
	26	43°8	44°0	43°8	43°8	—	43°8	43°9	43°8	44°2	44°5	44°8	
	27	45°1	45°3	45°5	45°5	45°2	44°8	44°5	44°5	44°5	44°5	45°0	
	28	46°2	46°2	46°5	46°5	46°5	46°8	46°4	46°4	46°3	46°0	45°6	
	29	46°2	45°2	45°0	44°0	44°0	43°8	43°3	42°2	41°5	41°5	41°6	
	30	44°0	43°7	43°3	41°6	40°4	40°0	39°0	39°0	39°2	39°2	39°0	
Hourly Means	47°17	46°88	46°62	45°99	45°85	45°48	45°29	44°94	45°27	44°96	44°86	44°74	

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
56.2	61.6	65.0	67.8	69.8	71.5	71.5	69.2	66.8	63.8	62.2	61.6	59.91
59.5	61.8	64.5	63.8	63.5	63.5	62.7	60.3	58.2	56.2	55.0	54.5	59.30
57.2	61.3	64.5	68.0	71.4	72.0	71.2	69.4	66.4	64.2	63.0	62.0	60.44
57.0	58.4	60.2	65.6	67.8	66.5	66.2	61.8	59.0	58.2	57.8	56.4	58.41
49.8	51.2	53.8	54.4	53.4	53.0	54.8	54.5	—	50.4	49.7	49.2	50.68
—	—	—	—	—	—	—	—	—	—	—	—	49.50
48.0	50.4	51.0	51.2	52.0	52.6	51.8	50.5	49.8	48.5	47.4	46.6	49.75
50.5	53.0	54.8	57.2	58.4	58.2	56.7	54.8	52.0	50.6	49.5	48.5	46.89
46.2	49.7	51.8	53.5	55.0	56.0	55.0	53.8	50.6	48.8	45.8	44.8	46.98
45.5	48.8	52.4	54.0	55.0	56.0	54.8	53.5	52.1	51.5	51.0	50.8	51.41
49.4	52.8	54.0	57.2	59.5	59.6	57.8	57.0	55.0	52.2	51.0	50.5	48.66
42.8	46.0	48.8	51.8	55.7	57.2	57.0	55.6	52.6	49.8	47.7	45.8	49.28
—	—	—	—	—	—	—	—	—	—	—	—	50.17
46.0	49.0	52.8	55.8	58.2	59.3	59.6	58.0	55.0	52.5	51.0	50.5	55.05
48.2	50.2	51.7	52.5	54.0	54.4	54.8	54.2	53.5	53.0	52.4	52.4	56.49
54.0	56.0	57.4	57.6	58.3	59.2	58.5	57.2	56.3	55.2	54.2	54.8	48.45
55.8	57.8	61.4	64.2	63.8	63.0	62.8	61.2	58.2	55.0	54.0	53.0	47.14
43.5	46.8	49.0	52.0	54.5	54.8	53.8	54.2	52.0	50.8	49.6	48.6	46.80
45.6	48.7	51.3	52.8	54.0	53.0	52.8	51.4	48.4	46.6	46.0	44.7	48.32
—	—	—	—	—	—	—	—	—	—	—	—	50.14
48.0	49.0	50.0	51.2	52.6	52.3	51.7	50.4	49.8	49.1	48.2	47.7	52.45
48.6	49.2	50.8	51.7	53.0	52.2	51.6	50.8	49.6	48.8	49.0	48.6	52.72
47.2	51.5	53.5	55.0	56.0	56.8	56.4	55.5	52.8	52.0	51.8	51.5	50.25
50.2	50.2	54.0	56.2	57.2	58.4	59.0	58.2	57.0	56.3	56.2	54.8	46.30
55.0	55.2	56.2	57.0	57.3	57.2	56.3	53.2	50.5	48.3	48.0	48.0	44.59
50.6	53.2	54.8	56.0	55.5	56.0	58.4	53.9	51.8	51.0	49.4	48.0	53.43
—	—	—	—	—	—	—	—	—	—	—	—	50.25
42.6	44.6	47.6	51.8	54.2	55.2	55.0	54.0	50.7	48.0	46.2	44.8	46.80
40.7	43.8	48.6	51.4	52.3	52.2	51.2	50.0	48.6	47.7	47.6	47.0	44.59
54.0	55.2	55.0	56.0	56.8	58.1	58.0	57.2	56.5	55.7	55.0	54.0	53.43
46.6	48.1	49.7	51.2	54.0	55.2	54.8	51.8	50.2	49.2	48.6	48.1	50.25
49.58	51.98	54.24	56.18	57.53	57.90	57.56	55.99	53.98	52.35	51.38	50.64	51.26
46.0	48.5	51.5	53.5	56.2	57.0	55.5	54.2	52.0	50.2	48.2	47.5	48.51
44.9	48.0	50.5	52.2	55.3	56.6	55.0	53.4	51.3	50.0	49.5	49.3	48.23
—	—	—	—	—	—	—	—	—	—	—	—	48.64
46.6	47.5	48.7	50.7	51.8	52.0	51.8	51.0	50.0	49.0	48.0	48.0	47.82
45.2	47.0	48.0	50.0	51.6	51.4	51.9	50.2	49.0	49.0	48.7	47.3	45.00
43.8	45.2	46.3	47.4	48.5	49.8	49.3	47.8	46.2	44.0	43.5	44.0	45.42
42.4	46.0	48.2	51.0	52.8	52.8	52.5	52.0	50.6	50.3	50.0	50.0	51.94
52.0	52.8	56.2	57.0	57.6	56.1	55.5	53.7	51.9	50.8	50.5	50.3	54.13
53.8	55.5	56.3	58.5	59.2	—	59.5	57.5	56.0	55.2	54.3	54.6	52.50
—	—	—	—	—	—	—	—	—	—	—	—	50.57
52.0	53.5	55.2	56.4	56.6	57.0	56.8	55.2	53.0	52.0	51.5	50.6	46.58
49.8	52.7	54.2	54.6	55.2	54.8	54.2	51.8	50.5	48.5	48.0	47.6	46.76
47.5	49.4	50.5	52.0	53.4	54.0	53.0	51.5	48.2	46.0	43.8	43.0	47.08
44.5	46.4	49.2	51.2	53.5	54.0	53.8	52.2	49.9	49.1	48.8	48.4	45.57
46.2	47.6	49.3	51.4	53.2	53.2	53.2	52.0	49.6	48.0	45.0	43.8	46.93
42.5	44.5	48.6	49.5	52.0	53.0	52.6	51.4	50.3	49.3	48.7	47.8	50.73
—	—	—	—	—	—	—	—	—	—	—	—	49.60
41.7	45.5	49.6	51.3	53.5	53.8	53.8	53.4	53.0	50.0	49.6	50.4	45.74
49.5	52.4	53.6	54.2	55.5	55.8	53.2	52.2	50.5	49.7	48.8	48.5	50.05
48.8	51.6	52.5	54.2	54.7	54.9	53.8	51.2	49.2	46.3	46.0	45.0	43.86
40.3	42.3	44.7	48.4	49.0	51.5	52.5	53.3	54.4	54.0	52.6	52.0	46.87
48.5	50.4	52.2	54.2	54.2	54.2	53.5	52.2	50.2	49.0	47.5	46.6	45.15
37.8	40.8	44.4	46.8	49.3	49.8	50.5	47.3	46.2	45.5	44.8	44.6	46.16
—	—	—	—	—	—	—	—	—	—	—	—	46.73
47.5	47.5	48.4	48.6	48.4	47.8	47.6	47.0	45.5	44.6	44.0	43.8	44.86
45.5	46.5	47.0	47.8	47.3	47.3	46.3	45.9	45.2	44.8	44.8	44.8	42.10
46.0	47.1	47.6	48.2	48.0	48.2	48.0	47.3	47.3	47.0	47.1	76.7	47.62
45.5	45.8	47.5	49.2	48.0	48.5	48.8	48.0	47.0	46.7	46.0	45.5	46.73
43.2	45.2	47.0	48.0	48.4	48.6	48.5	47.7	46.1	45.3	44.6	44.3	44.86
39.0	40.5	42.2	42.6	44.4	45.5	45.5	45.0	45.0	44.8	44.7	44.7	42.10
45.79	47.70	49.59	51.11	52.22	52.30	52.18	50.94	49.54	48.43	47.65	47.27	47.62

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
JULY.	1	44°5	44°5	44°0	—	—	—	—	—	—	—	—	
	2	—	—	—	40°6	41°2	41°3	41°3	41°2	41°2	41°2	41°4	
	3	46°1	46°3	46°3	46°2	46°0	46°0	46°4	46°4	46°0	46°2	47°0	47°2
	4	48°8	48°5	48°2	48°0	48°0	48°0	47°8	47°2	46°4	45°3	45°3	45°3
	5	48°5	49°0	47°8	47°2	47°1	46°4	45°6	45°4	44°8	44°2	43°8	43°5
	6	48°0	47°6	47°3	46°7	46°0	45°5	45°5	45°2	45°0	45°0	44°8	45°0
	7	46°8	46°4	46°5	46°5	45°5	45°8	45°8	46°0	—	46°3	46°5	46°5
	8	44°0	44°8	44°8	—	—	—	—	—	—	—	—	—
	9	—	—	—	36°5	35°8	35°5	35°2	34°8	—	34°3	34°0	34°3
	10	38°0	37°2	37°5	38°0	38°0	38°4	38°8	39°0	39°3	39°6	40°0	43°0
	11	48°2	48°0	47°8	46°2	45°1	44°2	43°0	43°0	42°2	42°5	43°0	44°5
	12	46°5	46°5	46°4	45°7	45°0	43°5	41°8	40°2	40°0	39°8	39°8	39°5
	13	42°0	40°6	40°0	39°5	38°8	38°2	37°8	36°8	36°7	36°7	36°6	37°2
	14	43°2	43°2	43°0	42°8	42°6	42°4	41°5	41°6	42°2	42°8	43°0	42°5
	15	45°7	45°3	44°2	—	—	—	—	—	—	—	—	—
	16	—	—	—	42°2	42°0	41°0	41°0	41°0	42°7	43°1	43°2	43°3
	17	44°6	44°5	44°0	43°5	43°0	43°0	42°8	42°0	41°8	41°4	41°0	41°4
	18	43°5	43°3	42°5	42°1	41°2	41°4	41°4	41°0	—	41°2	41°0	41°0
	19	40°8	40°5	39°8	38°8	38°0	37°8	37°0	36°5	36°2	35°7	35°2	35°2
	20	37°0	36°7	36°8	37°4	37°3	37°2	37°0	37°2	37°0	37°1	37°2	37°2
	21	42°2	41°3	40°3	39°3	39°2	39°0	39°0	39°0	38°4	38°0	37°4	37°0
	22	40°2	39°0	37°5	—	—	—	—	—	—	—	—	—
	23	—	—	—	32°7	32°5	32°6	32°9	32°8	32°5	32°0	31°8	32°0
	24	35°8	35°0	34°2	33°7	33°5	33°1	33°2	32°9	32°2	32°2	32°0	32°0
	25	41°0	40°2	40°0	39°8	38°8	38°2	36°7	—	35°7	35°8	36°5	36°3
	26	44°5	44°0	42°2	42°5	41°7	41°8	41°2	41°2	41°2	40°8	41°0	42°8
	27	43°2	43°0	43°2	42°6	42°8	42°8	42°2	42°0	—	41°5	43°0	43°2
	28	51°8	51°8	51°8	51°8	52°0	52°0	52°2	52°5	53°5	53°8	54°2	54°6
	29	53°0	53°5	53°8	—	—	—	—	—	—	—	—	—
	30	—	—	—	51°0	49°0	48°4	47°8	47°5	46°0	44°8	44°0	43°6
	31	41°4	41°0	40°5	40°2	40°0	40°2	41°0	41°8	—	—	42°8	43°4
Hourly Means	44°20	43°91	43°48	42°37	41°97	41°68	41°38	41°37	41°00	40°85	40°98	41°30	
AUGUST.	1	40°0	39°8	40°0	39°5	39°4	39°2	39°2	39°6	—	39°8	39°8	40°5
	2	42°5	41°5	40°7	39°7	38°0	38°4	37°0	36°6	36°4	36°0	36°0	37°5
	3	46°2	46°2	47°0	47°0	46°2	46°0	45°7	46°0	—	45°8	45°2	45°7
	4	47°0	46°2	46°0	46°4	46°4	46°0	45°3	44°6	45°0	45°0	45°0	45°2
	5	42°2	42°0	41°7	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	43°0	43°2	44°0	44°0	44°0	44°4	45°0	45°8
	7	50°2	50°5	51°0	51°5	51°6	50°3	50°0	49°6	49°2	48°8	49°5	50°6
	8	51°2	50°8	50°6	50°6	50°1	51°0	51°8	51°0	—	—	52°5	52°6
	9	51°2	51°0	51°0	51°0	51°0	50°8	50°2	50°0	49°7	49°5	49°0	49°3
	10	50°0	50°0	50°0	49°0	49°1	47°7	46°4	45°3	45°2	46°0	45°5	46°4
	11	48°5	47°8	47°8	47°0	44°5	43°0	44°5	44°5	43°8	43°0	42°5	43°8
	12	49°0	48°2	47°5	—	—	—	—	—	—	—	—	—
	13	—	—	—	47°9	47°2	46°6	46°0	45°0	44°0	44°8	43°8	44°8
	14	47°6	46°7	45°7	45°1	45°0	—	43°5	42°5	42°2	41°5	40°8	41°5
	15	43°9	43°2	42°5	42°0	41°2	41°0	41°0	41°0	40°5	40°2	40°4	41°2
	16	45°8	45°5	45°2	44°2	44°0	44°3	45°3	45°4	—	43°8	43°5	44°0
	17	40°5	40°0	40°1	40°3	40°0	40°2	40°5	40°7	40°5	40°8	41°0	43°2
	18	46°8	45°5	44°8	44°4	43°0	42°2	41°5	41°0	—	39°7	39°6	40°8
	19	46°0	44°5	43°2	—	—	—	—	—	—	—	—	—
	20	—	—	—	46°0	46°0	45°0	44°5	44°2	44°0	43°0	41°5	42°5
	21	40°7	40°0	39°5	39°0	38°0	38°0	37°0	37°0	36°6	36°2	36°4	38°2
	22	43°2	42°5	42°8	42°2	41°8	42°7	42°3	40°7	39°4	38°7	38°0	39°7
	23	48°0	46°9	46°5	46°5	46°0	46°0	45°5	45°2	45°0	45°0	45°0	46°0
	24	43°4	42°8	42°0	41°0	39°8	39°0	38°5	37°6	37°2	36°8	36°6	38°3
	25	51°2	50°9	51°0	50°5	—	48°2	48°0	47°2	46°3	45°3	44°3	44°8
	26	55°3	54°8	54°5	—	—	—	—	—	—	—	—	—
	27	—	—	—	55°2	55°0	54°8	55°0	55°0	56°1	55°8	55°8	56°0
	28	48°5	47°4	46°2	45°2	45°5	44°3	43°3	42°0	41°5	42°0	43°0	46°5
	29	42°2	41°3	40°6	39°3	38°4	37°5	36°6	36°5	36°0	34°5	34°0	35°0
	30	38°4	37°8	38°2	38°7	39°0	39°2	40°0	40°5	41°1	41°7	42°3	43°5
	31	45°2	45°2	45°6	45°2	45°2	45°1	45°0	45°0	43°5	42°8	42°3	43°2
Hourly Means	46°10	45°52	45°25	45°17	44°40	44°22	43°98	43°62	43°05	42°73	42°90	43°95	

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
—	—	—	—	—	—	—	—	—	—	—	—	—
42.5	44.0	46.0	47.0	48.2	48.6	48.3	48.2	47.2	47.0	46.2	46.0	44.33
48.2	48.8	49.6	50.3	50.5	50.5	50.0	49.5	49.0	49.0	49.2	49.1	47.91
46.8	48.5	50.2	51.0	51.6	51.5	50.8	50.5	49.8	49.5	48.8	48.8	48.52
44.0	45.3	46.9	48.0	49.5	49.4	49.2	48.2	46.8	47.6	47.8	48.0	46.83
46.0	47.7	47.7	47.7	48.0	48.2	47.5	47.0	46.5	46.0	46.5	47.0	46.56
46.5	46.5	46.5	46.8	47.0	47.0	47.0	45.5	44.8	44.7	44.5	43.8	46.05
—	—	—	—	—	—	—	—	—	—	—	—	—
36.3	37.7	41.0	43.3	44.3	45.0	45.5	44.8	42.2	40.5	39.6	38.5	39.68
46.0	47.6	49.0	49.5	49.8	49.5	49.7	49.4	49.0	49.1	48.5	48.5	43.85
45.2	45.8	46.3	47.2	47.6	48.8	50.6	49.8	48.7	48.0	47.3	46.8	46.24
40.3	43.0	44.0	44.6	48.8	44.8	44.5	44.0	43.2	42.2	42.0	41.5	43.23
38.2	40.2	42.5	45.5	47.0	47.8	48.0	47.4	46.0	44.2	43.2	43.5	41.43
44.0	46.8	47.4	50.0	52.2	53.9	53.7	52.3	50.5	48.2	47.6	46.7	46.00
—	—	—	—	—	—	—	—	—	—	—	—	—
44.5	46.5	48.0	48.5	49.2	49.8	50.0	49.2	47.0	46.0	45.0	44.8	45.13
43.2	45.5	47.8	50.0	50.2	49.6	49.2	48.9	47.6	45.8	44.5	44.0	44.97
42.8	43.9	47.0	49.0	50.8	52.2	51.8	50.5	48.0	45.0	43.1	42.1	44.60
—	39.0	41.5	43.5	45.6	47.0	46.8	44.8	41.0	40.2	38.5	37.4	39.86
39.9	41.5	42.6	43.8	44.5	46.3	45.3	44.4	42.8	42.3	42.5	42.2	40.13
37.7	40.6	42.7	44.3	46.1	46.5	45.5	44.8	44.5	43.2	42.4	42.2	41.28
—	—	—	—	—	—	—	—	—	—	—	—	—
33.0	35.0	37.0	38.4	41.8	43.2	43.5	42.8	41.0	38.6	37.5	36.5	36.53
33.8	35.4	37.8	40.8	43.2	44.5	45.5	44.5	42.8	41.8	42.0	42.0	37.25
38.2	40.5	43.8	47.5	48.2	48.4	50.8	50.0	48.2	47.4	46.0	45.0	42.30
45.5	45.0	44.4	44.0	44.2	45.0	46.3	45.0	43.7	43.0	43.0	43.6	43.23
46.2	48.7	50.7	53.2	54.8	55.5	55.0	54.8	53.5	53.0	52.2	51.2	47.75
54.8	55.8	55.8	56.8	56.8	57.0	56.5	56.0	55.0	54.0	53.2	53.0	54.03
—	—	—	—	—	—	—	—	—	—	—	—	—
47.9	49.0	51.2	47.5	46.8	46.5	46.0	45.8	45.2	43.5	42.7	42.3	47.37
45.0	47.2	49.2	51.4	50.5	48.8	48.8	46.5	45.0	43.4	42.0	41.0	44.14
43.06	44.44	46.02	47.29	48.35	48.67	48.68	47.87	46.50	45.51	44.84	44.44	44.21
42.5	44.8	46.5	47.5	48.4	48.7	48.9	48.3	45.8	44.2	43.4	42.8	42.98
40.6	43.5	47.0	48.7	48.0	49.0	50.2	49.4	48.2	47.0	46.7	46.5	42.71
47.8	49.8	50.4	50.0	50.0	49.6	49.8	49.6	49.0	48.4	48.2	48.0	47.62
46.5	48.5	51.0	53.5	51.2	53.6	49.0	48.3	46.2	44.8	43.5	42.7	46.95
—	—	—	—	—	—	—	—	—	—	—	—	—
47.6	—	—	53.6	54.5	54.2	53.0	51.5	49.8	49.8	50.0	50.2	47.31
52.0	54.5	56.0	57.2	58.3	58.2	58.2	56.7	54.8	53.2	52.5	51.5	52.75
55.4	56.2	55.3	55.0	54.6	55.0	54.5	53.5	52.5	53.0	52.8	52.1	52.82
49.0	50.8	54.2	56.2	58.4	57.2	57.0	56.5	55.7	53.8	51.4	50.0	52.25
47.0	47.5	49.0	51.5	52.9	52.5	51.7	52.4	52.0	50.5	50.0	49.4	49.04
47.2	50.2	53.0	55.2	56.3	57.4	56.5	55.8	54.2	51.5	50.2	49.5	49.07
—	—	—	—	—	—	—	—	—	—	—	—	—
47.0	50.0	53.8	55.2	57.2	58.7	57.2	56.4	55.0	52.2	51.0	49.6	49.92
43.2	45.1	49.2	52.0	54.8	56.5	56.0	54.4	52.0	49.8	47.0	44.8	47.26
42.0	43.8	47.0	51.8	54.8	55.2	55.2	54.5	53.0	51.0	48.0	46.8	45.88
45.0	46.0	48.3	49.0	49.8	50.1	48.3	46.4	45.3	44.0	42.2	41.5	45.52
45.8	48.5	51.7	53.7	55.0	55.5	55.2	53.8	51.3	49.7	48.0	47.5	45.98
43.2	46.5	49.5	41.8	53.0	54.0	54.5	53.8	52.0	49.5	48.4	47.2	46.64
—	—	—	—	—	—	—	—	—	—	—	—	—
44.3	47.9	48.8	50.6	51.3	52.2	52.2	51.0	49.3	47.2	45.6	42.4	46.38
40.8	44.4	47.4	50.5	53.0	54.0	54.8	54.0	51.0	48.2	45.8	44.2	43.53
43.0	46.8	50.0	52.2	53.7	56.5	57.6	57.2	54.5	51.5	50.0	49.6	46.53
47.0	47.8	48.7	49.0	49.6	50.0	50.0	50.0	49.0	47.4	46.2	44.7	47.12
40.8	45.3	48.2	51.2	53.0	54.0	54.2	54.0	53.0	51.5	51.6	51.5	45.05
47.3	50.0	53.0	57.2	60.8	62.0	61.8	60.2	58.4	56.2	55.0	55.0	52.37
—	—	—	—	—	—	—	—	—	—	—	—	—
56.5	57.2	58.7	55.5	53.8	54.5	55.2	55.0	53.1	51.7	50.7	49.8	54.79
49.5	51.5	54.0	56.5	57.8	—	53.8	51.6	49.0	45.7	44.0	42.5	47.45
37.4	39.3	39.2	38.9	40.8	39.8	38.8	39.0	39.2	38.6	38.5	38.4	38.33
44.4	45.2	46.4	47.2	48.0	48.5	48.2	48.0	46.2	46.0	45.5	45.2	43.30
45.0	47.0	49.0	50.5	51.2	51.6	51.7	50.7	48.3	46.8	45.5	45.2	46.49
45.84	48.00	50.20	51.90	52.97	53.40	53.09	52.30	50.66	49.01	47.84	46.99	47.25

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
SEPTEMBER.	1	45°0	44°7	44°4	43°0	41°3	40°0	39°0	38°8	39°0	39°0	39°8	41°0
	2	48°8	48°0	47°0	—	—	—	—	—	—	—	—	—
	3	—	—	—	42°9	42°3	41°4	41°1	41°2	41°5	42°0	42°5	45°0
	4	44°0	42°2	42°0	40°6	—	39°5	38°2	37°8	37°2	37°0	38°0	40°0
	5	41°6	41°5	41°2	40°9	40°2	39°5	38°6	38°2	38°0	38°0	38°5	40°2
	6	41°2	40°8	40°0	39°5	39°1	38°5	37°8	37°4	37°0	37°4	37°8	39°3
	7	46°3	45°2	43°8	43°0	42°4	41°6	41°0	40°0	40°0	40°2	40°5	42°0
	8	45°3	45°5	45°0	44°5	—	41°5	41°2	41°5	41°6	42°2	42°8	44°5
	9	48°2	47°0	46°0	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	48°5	48°6	48°8	48°3	48°0	47°0	45°6	48°2
	11	47°7	46°0	45°5	45°0	44°8	44°3	44°0	43°2	42°6	41°3	41°8	44°8
	12	45°0	43°0	42°5	42°0	41°4	41°0	40°8	41°0	40°6	40°3	41°5	43°0
	13	42°0	42°2	41°6	41°4	41°0	40°7	40°2	39°6	39°4	39°0	39°0	39°5
	14	42°0	41°8	41°8	41°7	41°2	41°4	41°5	41°2	40°8	40°8	42°1	43°3
	15	45°0	44°8	44°0	43°4	42°7	42°6	41°3	40°5	40°8	40°8	40°8	42°2
	16	41°7	41°0	40°3	—	—	—	—	—	—	—	—	—
	17	—	—	—	—	39°0	38°2	38°0	37°8	37°3	36°8	38°0	40°6
	18	45°8	45°8	46°0	45°5	44°3	43°3	43°0	43°0	42°8	43°0	43°6	46°5
	19	49°2	48°4	47°8	47°1	46°5	45°7	44°6	43°8	44°0	44°2	45°5	47°0
	20	47°0	46°7	46°4	45°6	—	45°4	45°0	44°4	43°6	42°8	44°3	46°2
	21	49°5	48°2	48°4	47°9	47°2	47°0	47°2	47°0	47°0	47°8	50°0	51°8
	22	50°5	49°3	48°4	47°5	47°0	46°4	46°0	45°2	45°2	46°0	46°0	48°0
	23	43°3	42°2	41°6	—	—	—	—	—	—	—	—	—
	24	—	—	—	44°3	43°7	44°6	45°0	44°6	45°0	45°3	48°2	50°3
	25	51°2	50°7	51°0	51°6	52°4	52°8	53°0	53°4	53°0	53°0	54°0	55°8
	26	57°5	57°0	57°0	56°6	56°2	56°0	55°8	54°5	53°2	54°0	54°2	55°4
	27	66°2	68°0	68°2	68°0	67°7	67°8	69°7	67°5	65°8	66°0	66°2	66°8
	28	54°5	53°0	52°7	53°5	51°4	51°3	51°3	50°5	50°2	50°2	50°0	50°7
	29	47°2	46°2	44°8	43°7	—	43°5	43°0	42°2	42°3	41°8	42°3	45°3
Hourly Means	47°43	46°78	46°30	46°05	45°73	44°90	44°60	44°10	43°84	43°84	44°52	46°32	
OCTOBER.	Sept. 30	44°8	44°5	44°0	—	—	—	—	—	—	—	—	
	1	—	—	—	—	—	42°7	43°3	43°5	44°0	44°0	46°0	50°0
	2	46°2	44°8	42°8	41°0	40°2	40°2	39°0	39°0	39°5	40°0	42°9	46°8
	3	50°2	49°2	50°0	50°2	49°4	48°7	48°8	49°6	49°8	50°2	50°6	55°2
	4	61°4	60°5	59°7	58°2	57°8	58°0	58°2	57°8	55°5	54°5	55°5	55°0
	5	48°9	47°7	47°6	47°0	46°5	46°4	46°2	45°8	45°7	45°8	46°2	49°3
	6	45°0	44°5	43°5	43°0	42°6	42°0	42°0	42°0	41°8	41°7	44°8	48°2
	7	52°3	51°5	51°6	—	—	—	—	—	—	—	—	—
	8	—	—	—	50°5	49°2	48°2	47°0	47°2	47°7	48°4	50°0	52°0
	9	58°2	57°2	55°2	54°0	53°2	53°0	52°6	52°6	52°8	52°8	52°0	52°0
	10	49°1	47°1	45°5	44°5	43°5	43°0	42°4	42°2	42°0	42°5	46°0	49°0
	11	58°0	57°2	54°8	52°2	51°0	50°0	49°0	48°7	48°4	48°3	50°6	54°3
	12	49°0	47°2	46°0	44°2	43°2	42°2	41°7	41°0	41°2	42°0	45°2	49°2
	13	51°2	50°0	49°5	48°6	47°0	45°0	43°5	42°2	41°0	42°5	46°0	49°0
	14	52°0	51°8	51°0	—	—	—	—	—	—	—	—	—
	15	—	—	—	39°8	40°3	40°2	40°0	39°8	40°5	41°2	42°5	44°5
	16	52°6	52°2	51°7	51°3	51°0	50°4	50°0	49°8	49°0	49°5	53°2	56°0
	17	54°2	53°5	52°8	52°5	52°0	51°8	51°5	51°2	51°2	51°8	52°6	54°7
	18	56°5	55°5	55°0	54°0	53°0	52°5	52°4	51°6	50°5	50°4	51°0	52°4
	19	48°2	45°8	45°5	43°0	41°6	40°0	39°0	38°6	39°0	41°2	45°0	49°0
	20	48°4	48°0	47°5	47°0	47°0	46°5	46°0	—	46°6	48°6	49°7	50°7
	21	51°2	50°2	49°8	—	—	—	—	—	—	—	—	—
	22	—	—	—	46°4	46°4	45°6	45°0	44°4	45°0	45°5	48°2	51°0
	23	52°0	51°0	50°2	49°5	—	49°0	48°5	48°4	—	49°6	50°0	50°3
	24	55°0	54°5	54°0	57°0	57°5	58°8	60°0	61°2	62°8	62°0	61°0	62°5
	25	52°2	51°4	50°0	47°7	46°2	45°0	44°5	43°5	43°0	44°8	48°2	52°0
	26	61°2	59°5	58°5	56°6	55°0	54°5	52°5	51°5	51°2	52°5	54°5	55°5
	27	52°5	51°8	51°2	50°0	49°2	49°0	48°0	46°6	46°0	47°0	49°0	52°8
	28	51°8	51°4	50°7	—	—	—	—	—	—	—	—	—
	29	—	—	—	41°8	41°0	41°2	41°8	41°8	42°0	43°7	44°8	46°4
	30	46°5	45°8	45°0	45°5	45°2	45°7	45°6	45°7	46°2	48°2	48°8	50°4
	31	51°2	50°6	50°2	49°6	—	48°0	48°0	47°8	48°0	48°6	52°5	56°5
Hourly Means	51°84	51°01	50°12	48°66	47°88	47°32	46°91	46°67	46°55	47°31	49°14	51°66	

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
43.7	47.2	50.0	52.0	54.7	56.0	56.0	55.5	53.7	51.0	50.3	49.6	46.45
—	—	—	—	—	—	—	—	—	—	—	—	47.18
48.2	51.5	54.0	53.5	53.8	54.3	53.7	51.8	49.6	47.8	46.0	44.3	43.76
43.5	47.3	50.5	52.9	53.5	49.5	47.5	48.5	45.8	44.2	43.2	43.5	44.19
43.2	45.4	49.2	51.2	51.5	53.0	53.5	52.8	49.5	47.2	44.7	43.0	43.50
42.0	46.2	49.0	48.2	50.0	51.3	50.3	49.5	48.8	48.2	47.5	47.2	45.73
45.9	49.4	51.2	49.7	52.0	52.8	52.0	51.0	48.8	47.0	46.2	45.6	49.30
46.3	51.0	56.3	60.5	60.2	59.0	58.5	57.5	55.0	53.0	51.2	49.8	52.47
—	—	—	—	—	—	—	—	—	—	—	—	46.61
51.7	56.8	61.8	65.0	61.3	59.2	58.7	57.7	55.6	53.0	51.7	50.0	44.43
47.0	47.3	47.6	48.8	51.5	53.0	52.0	51.8	50.5	47.7	46.0	44.5	44.01
46.0	48.6	52.8	53.2	50.9	49.2	47.2	44.3	43.3	43.1	43.0	42.5	42.94
41.8	45.1	47.6	49.0	50.1	50.3	51.8	51.7	49.4	46.8	44.4	42.7	44.78
44.4	48.2	—	50.5	50.8	50.5	50.0	49.0	48.4	47.0	46.4	45.2	45.22
44.0	46.0	47.5	48.5	49.0	51.3	50.7	50.0	47.6	45.2	43.6	42.5	49.32
—	—	—	—	—	—	—	—	—	—	—	—	49.25
43.5	48.4	51.2	53.5	55.6	56.0	55.5	53.5	51.4	49.3	47.5	46.0	50.67
51.0	54.0	56.0	57.2	58.1	57.8	56.9	55.0	53.4	51.3	50.4	50.0	52.69
48.4	51.3	53.2	55.2	57.0	55.8	54.5	53.5	52.8	50.6	48.5	47.3	48.61
49.3	52.0	55.0	57.0	59.3	60.0	60.6	59.3	57.2	54.6	52.5	51.2	51.04
56.0	57.0	59.0	62.0	62.2	61.4	58.6	56.7	55.0	53.8	52.6	51.2	57.86
48.4	50.8	49.6	51.7	52.7	51.2	53.2	53.0	51.0	48.3	46.6	44.7	62.59
—	—	—	—	—	—	—	—	—	—	—	—	65.47
53.2	56.2	57.0	60.0	61.3	62.4	60.8	59.0	57.3	54.8	53.0	51.8	52.63
58.4	61.8	64.6	63.4	64.8	67.3	67.0	66.5	63.8	61.4	59.5	58.2	46.77
57.5	61.3	65.5	69.2	73.2	75.2	76.0	76.2	74.0	71.6	68.2	66.8	48.73
67.8	70.0	70.2	71.0	68.2	65.6	63.9	59.3	58.8	57.4	56.0	55.2	51.70
52.0	53.0	57.6	59.6	55.6	55.2	55.8	55.2	52.3	50.2	49.1	48.3	54.38
45.0	46.8	48.8	50.5	53.0	53.8	51.2	52.2	51.8	48.3	46.5	45.5	51.70
48.73	51.70	54.38	55.73	56.41	56.44	55.84	54.82	52.99	50.91	49.38	48.26	49.19
—	—	—	—	—	—	—	—	—	—	—	—	50.60
52.8	55.1	57.4	59.6	59.8	59.2	60.7	56.8	54.5	52.0	50.2	48.3	49.68
50.2	54.0	57.7	59.8	62.5	63.5	62.0	60.0	58.5	56.0	54.0	51.8	59.36
59.8	64.5	68.5	72.0	72.6	72.9	73.9	73.7	70.9	67.2	64.5	62.3	58.97
55.4	56.6	61.3	65.3	65.3	67.2	67.5	67.2	64.0	53.0	50.7	49.7	49.68
52.6	56.7	56.0	52.2	55.0	52.5	54.0	55.0	52.7	49.6	47.0	46.0	51.15
52.2	55.2	57.5	63.2	62.3	62.1	64.0	64.1	60.6	57.0	54.8	53.5	55.15
—	—	—	—	—	—	—	—	—	—	—	—	54.04
54.7	58.0	60.3	64.0	66.0	67.5	69.0	68.0	64.7	61.5	59.5	58.8	53.36
54.2	54.0	55.2	55.6	57.5	57.4	57.7	56.7	54.0	50.8	49.3	49.0	55.18
55.3	59.6	61.5	64.0	63.5	67.0	65.5	64.8	62.8	61.2	60.0	58.7	51.89
55.8	57.5	58.8	61.8	61.3	62.5	62.5	62.5	60.0	56.0	52.8	50.2	51.83
52.7	57.0	60.2	63.6	63.6	63.2	65.2	62.6	59.9	57.0	54.8	53.6	49.20
52.0	53.8	55.0	59.5	59.8	61.8	61.8	61.8	60.2	56.8	53.8	52.2	57.18
—	—	—	—	—	—	—	—	—	—	—	—	58.63
46.5	48.8	51.6	53.0	56.0	60.2	62.0	60.7	57.9	55.0	53.1	52.5	55.04
59.3	62.0	63.8	63.7	64.3	66.5	67.8	69.2	64.8	60.8	57.7	55.7	49.81
55.8	60.0	62.2	66.5	69.0	69.8	71.4	71.0	68.6	64.0	60.6	58.5	54.20
54.5	57.0	59.0	60.5	62.2	61.5	61.2	59.8	57.0	53.0	51.0	49.4	51.99
53.2	55.6	57.1	59.4	60.5	60.5	60.3	60.2	57.2	54.0	51.3	50.2	53.45
54.0	58.8	65.2	66.2	68.0	64.3	58.7	59.7	59.3	58.0	55.2	53.2	59.65
—	—	—	—	—	—	—	—	—	—	—	—	56.94
52.6	54.0	55.6	57.5	57.2	58.0	58.2	61.8	60.0	57.0	54.3	52.8	58.28
50.5	51.0	51.2	51.7	57.2	60.5	62.0	61.0	60.2	59.3	56.8	56.0	53.49
60.2	60.8	62.5	63.5	64.0	—	60.4	62.7	61.8	59.8	56.7	54.1	48.61
56.8	61.2	65.5	68.8	71.5	71.5	71.5	73.8	72.6	—	65.0	63.0	52.47
59.5	64.0	67.8	68.5	69.0	66.8	63.5	58.0	56.0	55.0	54.0	53.5	58.40
52.5	56.2	57.0	58.8	58.5	60.8	62.3	60.5	59.5	57.5	54.4	52.8	—
—	—	—	—	—	—	—	—	—	—	—	—	—
48.2	50.5	51.5	53.5	56.0	53.5	55.0	55.5	55.2	51.8	49.5	48.0	54.04
55.0	58.5	58.0	61.2	61.7	61.2	60.8	61.2	59.8	57.2	54.0	52.1	—
57.2	57.0	58.0	61.5	65.7	70.5	75.2	74.8	73.0	69.2	66.4	63.7	—
54.20	56.94	59.09	61.29	62.59	63.17	63.48	63.08	60.95	57.30	55.24	53.69	—

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
NOVEMBER.	1	61°5	60°2	59°0	58°5	56°5	56°0	56°0	56°0	55°5	56°0	57°4	60°5
	2	64°5	60°2	58°5	57°0	55°7	55°1	55°0	55°3	55°5	55°8	57°2	59°5
	3	56°4	56°3	56°0	55°5	53°8	52°2	51°8	51°8	52°2	54°5	55°0	57°0
	4	53°5	52°5	52°0	—	—	—	—	—	—	—	—	—
	5	—	—	—	51°0	50°4	50°2	50°0	50°4	50°5	51°5	55°5	56°5
	6	53°7	53°0	53°0	53°2	52°8	52°0	51°0	50°2	50°0	52°0	55°0	57°5
	7	56°8	56°8	55°5	54°5	53°2	53°0	51°5	50°7	50°3	53°2	55°3	57°4
	8	55°0	55°0	53°0	51°0	49°7	48°8	48°2	48°2	48°0	50°0	50°8	50°4
	9	49°3	49°0	48°3	48°1	48°0	47°8	48°0	48°5	49°8	51°0	54°0	55°3
	10	54°5	54°0	53°6	53°2	53°2	53°0	53°0	53°0	53°2	53°0	54°6	55°3
	11	50°2	49°2	49°0	—	—	—	—	—	—	—	—	—
	12	—	—	—	46°4	46°2	46°5	46°7	46°8	46°8	47°2	48°2	49°4
	13	57°0	56°2	55°5	55°0	54°5	54°2	53°4	52°2	52°8	55°2	57°5	60°0
	14	53°0	53°5	54°2	55°0	54°8	54°6	54°0	52°5	52°0	54°2	57°6	61°0
	15	57°2	57°7	56°7	54°3	53°0	52°0	51°5	50°8	50°2	52°8	55°0	57°5
	16	55°2	53°6	52°8	52°0	50°0	49°2	48°5	48°0	47°6	49°6	53°2	58°5
	17	62°0	61°2	61°0	60°8	59°9	60°0	59°4	59°3	59°2	59°5	61°8	65°5
	18	79°5	74°2	72°7	—	—	—	—	—	—	—	—	—
	19	—	—	—	55°4	55°0	54°5	54°5	54°0	54°3	54°8	55°3	56°7
	20	51°0	50°8	51°0	49°8	48°3	48°1	47°6	46°7	—	49°8	52°5	55°8
	21	51°7	50°6	50°3	50°0	49°5	49°5	48°8	47°7	47°6	50°0	54°5	56°0
	22	53°8	53°8	—	51°4	51°5	51°0	49°8	50°5	51°3	52°6	54°6	58°5
	23	56°0	55°0	54°6	53°5	52°6	52°0	50°2	49°8	—	54°5	56°4	58°0
	24	54°6	53°7	53°3	52°8	52°0	51°4	51°0	50°4	50°8	52°0	53°8	54°8
	25	59°5	58°5	57°0	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	55°3	56°6	57°7	55°4	55°2	57°5	58°8	62°8
	27	60°9	60°0	59°2	58°6	58°0	57°5	57°0	56°0	—	58°0	60°8	62°8
	28	58°8	55°0	53°0	51°8	50°5	50°0	49°0	49°5	51°7	56°1	60°3	64°8
	29	68°6	65°8	62°4	59°0	56°2	54°0	53°0	52°5	52°0	54°4	57°5	59°2
	30	56°2	55°4	55°0	55°2	55°5	55°8	55°5	55°0	55°4	57°0	59°5	62°5
Hourly Means	57°32	56°20	55°46	53°72	52°93	52°50	52°00	51°58	51°82	53°55	55°85	58°20	
DECEMBER.	1	57°2	57°2	—	57°5	57°7	57°6	57°8	57°8	57°5	58°4	61°5	64°5
	2	57°0	57°5	57°5	—	—	—	—	—	—	—	—	—
	3	—	—	—	56°0	55°8	55°8	56°0	56°0	56°0	57°0	58°4	61°0
	4	61°4	60°0	58°2	57°6	57°0	56°5	55°5	55°0	54°3	55°3	56°8	58°2
	5	49°7	49°6	49°6	49°0	48°6	48°5	47°5	47°2	47°5	47°8	50°0	52°4
	6	47°8	47°0	46°3	45°7	45°0	44°5	43°4	43°8	45°5	47°0	50°5	53°0
	7	56°8	56°1	55°5	55°0	54°5	54°2	54°0	53°5	—	—	57°5	57°6
	8	56°0	55°0	54°8	54°0	53°8	53°3	53°2	52°7	—	56°0	58°5	60°5
	9	57°3	56°7	57°0	—	—	—	—	—	—	—	—	—
	10	—	—	—	53°0	52°0	51°8	50°8	50°0	50°3	53°2	55°5	56°1
	11	60°5	58°0	54°0	52°0	50°6	50°3	49°5	49°6	50°2	53°2	56°4	59°5
	12	53°0	51°7	50°7	49°6	48°7	49°0	48°2	48°8	49°8	51°2	53°4	57°0
	13	55°1	54°5	54°0	52°8	51°8	51°5	51°5	51°4	51°5	51°9	52°6	53°7
	14	55°3	54°4	53°2	52°6	52°2	52°1	51°2	50°4	50°8	52°8	53°5	54°5
	15	55°4	53°8	50°0	48°5	—	—	44°8	45°0	45°5	46°5	49°0	52°5
	16	56°0	55°0	53°5	—	—	—	—	—	—	—	—	—
	17	—	—	—	52°5	51°8	51°8	51°6	51°5	52°5	55°5	59°5	64°0
	18	60°6	58°7	58°1	56°7	55°6	55°2	54°8	55°0	56°0	57°2	59°0	60°2
	19	59°0	59°0	59°0	58°0	—	—	—	—	55°0	57°7	60°7	63°6
	20	57°8	56°5	54°5	53°0	51°7	50°6	50°2	49°7	50°5	53°0	57°4	62°2
	21	66°2	64°5	64°8	64°5	64°0	65°0	64°6	64°8	65°0	68°5	69°8	70°4
	22	61°0	59°0	58°5	57°8	57°0	56°0	55°5	54°8	55°7	58°7	62°0	64°7
	23	60°5	58°5	57°0	—	—	—	—	—	—	—	—	—
	24	—	—	—	60°2	60°0	60°0	59°7	59°5	59°5	60°4	60°8	61°5
	25	62°2	61°2	60°4	60°2	60°0	60°0	59°8	59°8	61°1	64°2	68°2	72°8
	26	62°0	61°2	60°0	59°0	58°0	57°1	57°8	59°5	63°8	67°0	68°5	70°0
	27	62°8	61°0	59°7	59°2	58°0	57°5	56°2	55°5	55°5	56°5	58°0	61°0
	28	55°5	54°0	54°0	54°0	54°5	54°3	54°5	54°9	56°2	56°8	60°0	62°2
	29	58°2	57°0	56°5	56°5	55°8	55°5	55°3	54°3	55°0	56°8	59°2	61°5
	30 ^a	59°3	58°8	58°6	—	—	—	—	—	—	—	—	—
	31 ^a	—	—	—	60°5	60°0	60°0	59°4	58°5	—	59°7	62°3	66°7
Hourly Means	57°77	56°68	55°70	55°00	54°53	53°87	53°48	53°38	54°16	56°05	58°41	60°76	

^a Not included in the means.

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
66.2	72.3	79.8	85.5	88.6	89.0	89.8	88.8	84.8	80.0	76.2	70.2	69.35
61.0	63.0	63.0	66.0	63.2	61.5	61.5	61.6	61.3	60.5	58.5	57.3	59.49
59.7	60.7	59.5	61.5	59.8	63.8	61.8	63.3	63.6	61.0	58.0	55.0	57.51
—	—	—	—	—	—	—	—	—	—	—	—	56.32
57.7	60.0	60.4	61.3	62.2	62.8	64.8	66.4	62.2	59.0	56.3	54.6	56.32
59.7	62.2	64.9	68.0	69.4	69.8	68.5	72.2	68.0	63.4	59.8	57.7	59.04
60.0	62.0	64.8	67.5	70.0	72.5	72.5	73.2	69.0	63.0	59.0	56.5	59.93
50.8	52.2	50.5	53.8	54.2	54.9	56.9	60.2	58.2	54.4	51.8	50.8	52.37
58.8	59.8	62.5	64.8	66.2	65.2	65.0	62.8	62.8	59.5	56.7	55.4	55.69
57.0	60.5	65.2	65.0	66.2	67.0	63.4	61.5	59.8	56.0	52.5	51.0	57.03
—	—	—	—	—	—	—	—	—	—	—	—	55.62
52.2	57.6	61.5	64.8	65.5	70.5	72.8	70.8	65.8	62.5	59.9	58.4	55.62
61.3	63.0	65.2	65.5	64.5	65.0	65.0	63.5	59.8	56.2	54.8	54.0	58.39
61.8	64.0	66.0	67.5	69.4	72.2	70.0	69.4	65.3	62.5	59.7	57.3	60.06
60.0	61.0	62.8	66.4	—	66.5	68.5	70.5	70.2	65.8	61.2	57.6	59.10
63.2	68.2	70.2	71.8	72.4	72.0	71.0	70.6	70.2	68.0	64.8	63.2	60.16
69.8	73.0	74.7	80.5	88.2	90.3	92.2	91.8	91.5	87.3	84.3	81.5	72.28
—	—	—	—	—	—	—	—	—	—	—	—	58.70
57.5	57.8	59.0	59.5	60.0	60.5	60.0	59.0	56.1	54.2	52.5	51.8	58.70
57.2	59.8	61.3	64.7	65.0	65.6	62.7	64.9	62.2	60.0	55.6	53.2	55.81
56.8	59.8	63.6	66.2	64.2	63.2	64.0	60.5	57.5	55.8	54.1	54.0	55.25
61.8	65.6	64.2	66.2	66.5	65.0	64.0	60.0	59.0	58.2	57.4	56.6	57.53
60.2	62.8	67.8	65.8	66.9	70.0	72.6	72.9	68.0	67.1	60.9	56.7	60.19
56.7	58.4	60.8	63.8	64.8	65.2	65.8	66.0	70.0	67.6	62.9	60.8	58.06
—	—	—	—	—	—	—	—	—	—	—	—	63.17
65.2	67.0	68.0	70.5	70.7	69.9	69.7	69.8	71.8	69.0	65.3	61.8	63.17
65.6	67.9	70.2	72.0	69.6	67.2	68.0	69.8	69.5	66.0	61.4	58.5	63.24
69.5	74.7	78.2	83.0	88.0	90.0	91.7	91.8	90.5	85.5	79.3	73.0	68.57
61.7	64.2	67.3	69.2	68.8	66.3	68.6	68.3	66.2	63.7	60.0	57.0	61.50
67.0	72.0	72.3	75.0	74.8	74.0	69.8	67.5	66.4	62.8	59.5	57.8	62.37
60.71	63.44	65.53	67.92	68.76	69.23	69.25	69.12	67.30	64.19	60.86	58.91	59.87
65.5	65.2	67.2	67.5	66.0	65.5	65.0	60.0	62.1	57.8	57.0	57.0	60.89
—	—	—	—	—	—	—	—	—	—	—	—	63.67
64.5	69.2	69.4	73.4	76.4	76.4	75.0	70.8	72.2	69.8	66.3	62.2	56.25
58.2	58.7	59.5	60.2	59.0	57.5	56.2	53.0	51.5	50.6	50.0	49.8	49.8
54.0	54.5	56.0	54.0	56.0	54.8	54.6	54.3	53.7	52.6	50.5	49.0	51.31
55.1	59.0	60.8	61.8	62.5	63.0	66.2	66.2	66.5	65.0	61.6	58.8	54.42
58.8	60.6	63.2	63.8	64.2	63.2	62.8	62.0	62.2	60.7	59.8	57.5	58.80
62.8	64.4	67.0	69.5	72.5	73.0	78.7	72.0	68.2	64.0	62.0	59.6	61.80
—	—	—	—	—	—	—	—	—	—	—	—	58.79
56.5	58.2	59.8	60.8	63.5	63.0	68.4	74.2	70.0	67.2	64.0	61.6	58.79
61.3	62.7	64.5	64.6	64.3	66.4	66.2	65.2	64.5	60.5	56.4	54.2	58.11
58.8	61.0	61.3	61.8	60.8	61.8	61.0	66.4	70.0	63.2	60.0	57.2	56.43
54.8	60.8	65.0	63.8	62.2	60.2	60.5	65.0	68.3	66.0	61.0	57.5	57.39
59.0	59.2	62.2	59.8	62.8	65.5	65.0	67.0	67.4	63.3	59.5	57.2	57.54
60.5	63.5	66.0	66.0	67.8	66.8	67.5	64.5	64.0	62.2	58.8	57.6	57.10
—	—	—	—	—	—	—	—	—	—	—	—	61.98
67.5	72.0	75.8	79.3	80.9	70.8	68.7	67.0	64.7	63.5	61.7	60.5	61.98
62.2	64.8	66.5	69.8	69.3	68.6	69.5	71.0	70.2	65.2	62.9	60.7	61.99
65.7	67.8	70.7	73.5	76.0	73.0	70.8	70.5	67.6	65.2	63.2	60.0	64.80
66.4	67.9	71.7	75.2	76.0	78.8	77.8	79.2	78.8	74.4	72.5	69.0	63.95
75.2	79.3	80.8	81.2	82.0	82.8	83.5	83.4	80.8	73.8	68.3	63.6	71.95
64.2	67.5	70.6	69.5	73.2	75.0	76.8	77.0	76.0	70.2	65.5	61.5	64.49
—	—	—	—	—	—	—	—	—	—	—	—	63.00
63.2	64.8	65.5	69.0	70.2	68.0	67.6	66.8	66.4	66.4	64.0	62.5	63.00
74.3	75.2	74.5	75.8	76.2	79.0	73.9	68.5	66.5	64.8	63.0	—	66.99
71.2	74.2	73.8	72.8	76.3	79.6	82.3	83.2	83.3	77.0	70.5	65.5	68.90
63.2	66.2	68.8	71.7	73.2	73.8	66.2	61.4	59.0	59.5	57.3	56.2	61.56
65.5	67.0	69.5	72.8	75.5	76.0	72.8	73.8	72.0	66.5	63.0	60.4	62.74
64.2	68.0	68.0	68.2	70.4	71.2	70.2	65.2	62.4	62.3	61.8	60.2	61.40
—	—	—	—	—	—	—	—	—	—	—	—	—
69.8	71.0	74.2	—	—	—	—	—	—	—	—	—	—
62.90	65.27	67.12	68.23	69.49	69.35	69.05	68.30	67.53	64.47	61.62	59.14	61.03

WET THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
1842 Dec. 31	51°1	51°1	50°2	—	—	—	—	—	—	—	—	—	
JANUARY.	1	—	—	53°9	53°2	52°4	52°8	51°9	53°6	55°0	56°6	57°2	
	2	54°6	55°0	53°7	53°9	53°4	53°5	53°6	54°0	52°8	52°8	53°8	
	3	52°8	53°0	51°8	51°2	50°2	51°2	50°5	50°5	50°5	53°5	53°7	55°3
	4	56°0	55°4	55°4	55°2	55°3	54°9	54°6	53°9	54°5	55°4	57°2	59°0
	5	57°4	56°2	55°2	55°4	55°0	54°8	54°6	54°4	54°6	55°8	56°8	57°0
	6	54°5	53°6	53°0	52°0	51°8	50°0	50°0	48°8	50°9	51°5	51°9	52°8
	7	52°4	52°4	52°6	—	—	—	—	—	—	—	—	—
	8	—	—	—	53°0	52°8	52°0	51°4	50°8	50°0	50°0	50°2	49°4
	9	52°0	52°4	51°4	49°0	47°6	47°5	47°2	47°0	47°6	48°9	51°1	53°5
	10	54°0	52°6	52°0	51°4	51°0	52°0	51°0	50°5	51°0	53°0	55°4	56°6
	11	56°0	56°4	56°0	55°8	55°2	56°2	56°0	56°4	55°4	56°6	57°0	58°2
	12	55°0	55°4	56°2	56°0	56°4	56°4	56°5	56°2	56°4	56°8	57°8	58°5
	13	61°8	61°8	61°8	61°5	61°9	61°4	61°9	61°9	—	64°0	64°0	64°0
	14	51°2	50°8	50°4	—	—	—	—	—	—	—	—	—
	15	—	—	—	54°6	54°0	53°0	53°6	53°6	54°0	53°9	54°2	55°0
	16	52°6	53°0	53°4	52°5	—	53°4	53°2	52°2	53°4	54°4	54°8	55°2
	17	51°8	49°5	49°5	49°6	50°0	50°0	50°2	50°0	—	50°5	52°0	53°4
	18	50°4	50°0	49°8	50°2	51°2	50°8	50°4	50°0	49°8	51°7	53°4	55°8
	19	59°5	57°2	57°0	56°0	54°0	53°2	52°4	52°2	53°2	53°8	54°9	58°8
	20	49°7	50°4	49°4	46°4	46°0	46°6	45°4	44°6	46°0	45°4	49°0	49°4
	21	48°0	48°0	48°6	—	—	—	—	—	—	—	—	—
	22	—	—	—	—	46°2	45°8	44°0	44°2	43°9	45°8	48°0	49°6
	23	51°5	50°8	50°0	50°5	49°6	49°2	49°0	48°6	48°6	50°0	53°6	55°6
	24	61°5	60°2	59°6	59°2	—	—	57°4	57°4	57°4	58°2	59°7	61°8
	25	54°8	54°0	53°4	53°4	53°4	53°6	54°5	52°4	50°5	50°8	51°6	52°8
	26	54°5	54°4	54°4	53°8	53°6	53°4	52°6	52°0	52°2	54°0	56°0	58°0
	27	59°2	55°0	55°2	55°2	54°8	54°2	53°4	53°8	53°8	55°4	56°9	59°6
	28	49°6	50°0	49°6	—	—	—	—	—	—	—	—	—
	29	—	—	—	52°4	52°2	52°2	50°8	49°8	49°6	50°8	51°8	52°6
	30	46°6	45°8	46°0	45°0	44°6	44°6	44°4	43°8	43°5	44°4	46°2	46°6
	31	47°6	47°6	48°8	49°0	—	48°4	47°6	46°6	—	—	49°6	51°4
Hourly Means	53°45	53°04	52°76	52°93	52°22	51°93	51°81	51°37	51°43	52°78	53°93	55°22	
FEBRUARY.	1	52°3	52°0	51°9	52°0	51°6	51°4	51°6	51°2	51°0	51°8	53°6	53°8
	2	60°0	63°0	56°4	56°0	54°8	54°4	53°6	53°6	52°8	53°2	56°4	59°4
	3	59°2	58°8	58°4	58°4	57°8	58°4	58°5	58°8	59°0	59°4	61°8	63°0
	4	65°4	64°9	65°5	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	50°6	50°6	50°6	50°8	50°6	51°2	52°4	53°6
	6	54°2	54°2	55°0	55°6	54°1	52°0	51°2	50°6	49°9	50°5	51°6	54°9
	7	75°2	56°2	55°9	55°2	55°4	53°8	52°9	52°4	51°8	53°4	56°0	58°2
	8	63°0	62°2	61°4	60°7	61°0	60°6	59°2	58°4	58°9	59°4	60°9	62°0
	9	56°0	56°4	56°8	57°0	55°5	55°1	54°5	54°2	54°9	55°8	57°3	59°5
	10	56°2	55°7	—	56°5	55°4	55°2	55°0	55°3	55°4	55°4	56°0	57°2
	11	58°6	58°0	57°8	—	—	—	—	—	—	—	—	—
	12	—	—	—	61°0	59°8	58°7	57°4	56°2	57°8	58°6	59°4	61°0
	13	60°0	59°4	59°0	57°2	54°2	52°4	48°8	47°6	47°8	48°8	50°6	52°4
	14	45°7	45°4	45°4	45°6	45°8	45°4	45°4	45°4	45°7	46°2	48°7	50°2
	15	48°8	49°2	48°8	49°2	48°8	48°5	48°5	48°3	48°4	50°0	52°0	54°0
	16	55°4	55°4	55°3	55°5	55°4	55°4	55°4	55°2	55°0	55°4	55°6	57°6
	17	54°6	53°2	53°4	52°7	52°4	51°8	51°2	52°4	—	54°4	54°2	55°9
	18	54°2	54°6	54°6	—	—	—	—	—	—	—	—	—
	19	—	—	—	56°8	56°4	56°2	56°0	55°8	56°2	55°6	57°6	58°2
	20	55°8	55°8	54°0	54°2	55°4	55°0	55°4	55°6	55°4	55°5	55°6	56°8
	21	58°2	58°2	58°2	57°8	57°7	58°0	58°0	58°2	—	58°4	59°0	60°0
	22	59°5	59°5	59°7	59°9	59°0	57°0	55°8	55°4	55°4	56°4	58°6	60°4
	23	62°4	61°4	60°8	61°0	60°8	60°6	60°2	59°8	59°5	60°2	60°5	62°2
	24	63°2	62°4	61°8	62°4	62°0	62°5	—	61°5	61°8	61°8	62°0	63°5
	25	55°3	52°6	52°4	—	—	—	—	—	—	—	—	—
	26	—	—	—	48°4	47°0	45°4	44°4	44°4	44°3	44°5	45°3	47°5
	27	47°4	47°4	47°2	47°4	47°2	46°8	46°5	46°5	46°0	46°8	49°0	50°2
	28	51°4	51°5	51°9	52°1	52°8	52°0	50°5	50°4	48°6	49°0	52°4	55°0
Hourly Means	56°41	56°14	55°72	55°33	54°62	54°05	53°07	53°25	53°01	53°82	55°27	56°94	

WET THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
57.4	56.8	59.0	59.4	61.0	59.0	58.9	57.4	57.6	56.6	55.8	55.6	} 55.56
55.2	55.9	57.7	58.3	58.4	60.0	58.6	59.0	—	54.0	53.0	52.6	
57.4	58.2	60.0	61.8	62.6	64.0	64.2	63.6	62.4	61.4	60.0	57.4	56.55
60.0	62.8	61.0	62.4	64.2	60.4	60.5	60.9	57.4	60.6	59.1	58.5	58.11
57.5	58.9	60.0	59.7	61.0	60.4	60.4	60.4	60.6	60.6	58.4	55.3	57.52
53.8	56.8	56.0	55.4	56.0	56.4	56.4	55.4	55.0	53.8	53.0	52.6	53.39
—	—	—	—	—	—	—	—	—	—	—	—	—
50.5	50.5	52.5	54.5	53.8	55.4	55.0	53.8	54.4	52.4	52.0	52.2	} 52.25
54.8	56.8	57.8	58.2	58.4	58.4	60.0	59.4	61.0	57.5	56.6	55.4	
59.0	61.0	60.4	62.0	61.4	62.0	59.5	59.9	59.4	58.2	57.4	56.4	56.13
60.5	59.0	60.0	60.4	59.5	59.4	59.0	57.4	56.0	55.0	55.4	55.0	57.16
59.4	60.4	60.0	61.8	62.6	62.6	64.5	66.5	67.8	64.2	63.4	62.0	59.70
63.8	65.0	63.8	60.4	60.0	59.8	58.2	58.0	56.0	55.0	53.6	52.0	60.50
—	—	—	—	—	—	—	—	—	—	—	—	—
57.0	56.6	56.2	56.8	56.6	54.4	54.8	55.2	55.8	53.4	53.8	52.4	} 54.22
56.4	56.8	57.8	55.6	56.9	57.7	58.4	57.5	57.2	64.2	53.3	51.9	
52.7	53.5	54.9	54.6	55.2	55.6	56.2	54.0	—	53.0	51.7	51.0	52.22
57.4	59.2	60.4	61.4	63.5	63.8	63.5	64.6	65.4	64.2	61.6	60.4	56.62
60.6	62.8	64.8	65.4	62.2	62.6	63.2	59.8	61.0	59.0	55.4	51.7	57.95
51.5	52.8	55.8	55.8	55.9	57.4	58.8	58.2	55.4	54.0	53.2	49.6	51.11
—	—	—	—	—	—	—	—	—	—	—	—	—
49.8	49.8	51.6	53.2	55.0	56.0	55.9	56.0	55.3	55.2	—	52.4	} 50.10
56.8	58.7	59.5	61.7	61.8	64.0	66.0	67.0	64.0	63.2	62.6	61.8	
63.0	64.8	67.8	68.0	68.0	66.5	65.0	64.0	65.6	65.6	61.6	59.0	62.33
55.4	56.2	56.0	57.4	59.9	60.4	58.5	57.6	57.2	56.4	55.0	54.6	54.99
59.3	61.0	62.0	63.4	62.0	61.6	61.6	60.8	61.4	60.2	58.9	57.8	57.45
60.6	61.8	63.0	57.6	61.8	57.8	56.0	56.0	58.2	53.6	53.0	51.0	56.41
—	—	—	—	—	—	—	—	—	—	—	—	—
53.4	55.2	56.9	56.0	57.4	57.7	56.2	54.8	54.2	51.0	48.8	48.5	} 52.56
47.6	48.6	49.8	51.8	52.2	53.2	52.2	52.4	52.6	50.8	49.6	49.2	
53.4	55.8	56.4	57.6	58.4	59.4	59.2	58.4	57.9	56.9	54.6	53.2	53.23
56.45	57.62	58.56	58.91	59.47	59.48	59.29	58.81	58.75	57.41	55.80	54.42	55.36
55.0	56.8	58.8	61.0	62.8	65.2	62.4	63.4	64.6	63.4	62.6	59.4	56.65
60.4	61.6	62.6	63.2	63.4	63.4	63.0	63.2	63.4	60.8	60.0	59.6	59.09
64.4	65.0	65.4	66.0	67.8	68.0	67.7	65.9	65.9	66.0	66.0	65.8	62.73
—	—	—	—	—	—	—	—	—	—	—	—	—
54.6	56.4	58.4	58.4	59.4	60.4	62.0	60.6	57.8	57.2	56.5	56.0	} 56.69
57.4	57.6	60.0	61.0	60.9	61.9	62.3	62.3	61.8	59.7	59.0	58.2	
60.0	61.0	62.7	63.7	64.5	65.4	66.2	65.6	65.1	64.2	63.7	63.2	59.32
62.6	62.6	61.6	61.8	60.6	60.6	57.2	55.6	55.2	55.9	55.5	55.3	59.68
61.2	62.2	63.4	65.8	63.0	61.5	60.5	59.5	59.7	56.9	56.6	56.4	58.32
58.1	58.8	60.8	62.4	63.0	—	63.8	63.8	63.6	62.0	61.0	60.4	58.68
—	—	—	—	—	—	—	—	—	—	—	—	—
63.2	64.8	65.4	66.4	66.5	65.8	66.7	67.8	66.6	65.7	65.4	64.2	} 62.20
63.4	54.7	55.6	53.9	55.2	54.0	53.0	55.6	53.6	51.6	48.8	46.8	
51.0	51.6	51.4	49.8	52.4	54.4	52.2	53.0	51.8	51.6	50.6	50.8	48.98
57.2	58.6	61.0	61.0	61.0	60.4	60.5	60.5	60.5	59.2	57.3	55.8	51.48
58.4	51.1	—	59.5	58.2	57.8	57.0	56.4	55.0	55.0	54.5	54.6	56.26
55.4	54.6	55.4	57.8	57.4	57.2	58.0	56.0	54.8	54.2	53.8	54.0	54.56
—	—	—	—	—	—	—	—	—	—	—	—	—
58.9	60.5	60.8	62.4	61.9	61.6	60.6	60.2	59.0	57.2	56.4	55.7	} 57.81
58.0	58.4	59.0	60.2	60.8	61.8	62.0	63.4	62.4	60.2	59.2	58.8	
61.4	63.0	63.6	63.8	65.5	65.5	66.2	65.3	63.6	61.8	62.0	59.8	61.01
61.2	62.9	64.2	62.8	64.0	64.6	64.0	63.1	63.2	62.4	62.0	62.5	60.56
64.0	65.0	64.8	65.4	67.2	67.8	68.6	65.0	64.0	65.2	64.2	63.4	63.08
63.5	64.2	63.0	62.5	62.3	62.6	61.2	60.0	58.9	58.6	58.4	56.4	61.59
—	—	—	—	—	—	—	—	—	—	—	—	—
48.6	50.2	51.0	51.6	53.4	52.0	50.6	50.0	49.6	49.4	55.0	47.6	} 49.19
52.4	54.4	53.2	54.2	53.0	54.6	54.4	56.0	56.2	54.5	52.8	49.6	
57.0	59.2	60.8	62.4	63.4	63.0	64.8	64.2	63.0	60.0	58.6	57.4	56.31
58.64	59.38	60.13	60.71	61.15	61.28	61.04	60.68	60.00	58.86	58.33	57.15	57.31

WET THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
MARCH.	1	56°4	57°4	59°6	55°6	54°8	55°0	54°0	53°8	53°4	53°9	55°9	56°3
	2	55°0	56°0	52°8	50°6	49°3	48°4	48°0	47°5	49°0	49°4	49°6	50°0
	3	48°6	48°7	49°2	49°6	49°8	50°0	49°6	49°2	48°6	49°4	51°6	52°2
	4	51°2	51°4	50°0	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	47°2	47°5	47°0	46°2	45°6	45°4	48°0	48°8
	6	49°3	49°4	50°4	49°7	50°0	50°0	50°0	50°8	50°0	49°6	52°4	55°2
	7	57°0	56°4	55°4	55°0	55°0	53°8	53°4	53°4	52°2	52°5	—	55°9
	8	57°0	56°4	56°4	55°8	56°3	54°6	54°4	55°1	54°6	55°0	55°8	57°0
	9	57°5	54°9	54°0	53°5	54°2	55°0	53°4	50°2	—	48°4	48°0	48°6
	10	51°2	51°8	52°4	51°7	52°8	49°6	50°6	50°0	49°2	48°8	49°2	50°2
	11	42°8	41°6	41°6	—	—	—	—	—	—	—	—	—
	12	—	—	—	—	47°2	47°0	47°0	47°2	47°8	48°4	49°8	51°0
	13	43°4	42°4	41°8	41°8	39°6	41°4	42°2	42°8	—	42°8	42°9	46°6
	14	43°0	43°0	43°0	42°2	40°1	41°2	40°5	40°2	39°8	39°6	41°2	44°4
	15	49°7	50°3	49°5	48°2	46°8	46°4	46°0	45°2	44°4	45°0	46°4	49°6
	16	53°1	53°2	52°8	51°6	50°6	51°4	51°6	51°0	50°8	50°5	51°9	52°8
	17	58°2	57°8	58°2	58°0	58°0	58°0	57°6	56°9	57°0	57°0	58°2	58°0
	18	53°5	49°0	48°3	—	—	—	—	—	—	—	—	—
	19	—	—	—	50°0	49°4	49°4	49°9	49°5	49°2	49°3	50°4	51°9
	20	53°2	53°6	53°6	53°4	52°4	52°4	52°4	52°4	52°2	51°0	53°8	55°0
	21	54°6	55°2	55°2	54°4	54°6	54°6	55°0	54°8	54°5	54°0	55°2	—
	22	56°8	56°4	56°2	56°8	55°9	55°6	52°2	50°6	50°4	50°3	51°5	53°0
	23	55°8	57°8	57°2	55°7	55°8	59°0	59°0	57°3	57°3	57°2	57°0	56°6
	24	46°2	46°5	45°9	46°3	45°2	46°0	46°1	46°0	—	46°4	47°6	49°6
	25	52°8	53°4	53°4	—	—	—	—	—	—	—	—	—
	26	—	—	—	54°3	54°5	53°6	53°5	52°7	51°8	52°2	51°4	51°8
	27	46°7	46°1	46°0	45°5	45°6	46°2	46°2	46°8	47°4	47°6	49°0	52°0
	28	58°3	58°2	58°2	58°0	58°0	57°4	57°4	57°4	57°3	57°2	58°4	59°4
	29	57°4	56°8	56°0	55°8	55°7	55°7	55°2	54°9	54°6	55°0	54°8	56°4
	30	61°5	61°6	61°5	61°8	62°0	62°0	—	60°6	59°8	58°6	57°2	58°8
	31	49°6	50°0	50°6	50°4	50°6	50°2	50°4	51°6	51°0	50°7	51°7	54°1
Hourly Means	52°58	52°42	52°19	52°23	51°53	51°53	50°87	50°89	51°16	50°60	51°49	52°89	
APRIL.	1	51°4	50°0	50°2	—	—	—	—	—	—	—	—	
	2	—	—	—	—	41°2	41°2	41°4	41°8	—	—	42°8	45°0
	3	45°0	46°0	45°8	45°4	45°0	45°2	44°6	44°3	—	43°0	44°7	47°2
	4	47°8	46°9	46°2	45°3	45°8	45°5	44°6	43°8	43°4	43°0	45°0	49°0
	5	47°2	46°6	46°2	44°8	44°7	44°6	44°5	43°9	42°5	42°9	44°7	47°5
	6	46°7	45°9	44°4	44°2	43°6	42°6	42°2	41°4	—	40°0	39°9	44°7
	7	47°2	47°4	47°8	45°4	46°2	45°5	45°5	45°0	44°8	44°7	45°7	48°4
	8	54°9	54°2	55°1	—	—	—	—	—	—	—	—	—
	9	—	—	—	—	60°4	59°8	59°8	59°8	60°4	61°0	62°7	62°8
	10	58°4	57°2	56°6	56°2	55°5	54°7	54°5	53°5	52°5	52°1	51°9	52°7
	11	46°5	45°7	45°0	43°7	43°4	43°7	44°3	44°2	43°0	42°6	43°8	47°0
	12	48°5	49°2	48°3	48°0	47°8	47°4	47°2	47°2	47°5	48°2	49°4	50°0
	13	59°6	58°8	58°8	58°6	58°3	58°3	58°0	56°7	55°5	54°4	53°6	53°8
	14	47°6	48°2	48°2	48°2	48°0	48°0	48°0	46°0	44°2	45°6	46°0	46°0
	15	42°4	42°0	41°2	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	45°8	45°5	45°2	45°3	45°2	45°0	45°6	45°9
	17	50°1	50°0	50°1	49°7	49°4	48°6	48°6	48°6	48°6	49°1	49°6	51°1
	18	50°8	51°0	51°5	51°3	51°6	51°2	50°8	50°4	50°2	49°9	50°4	51°5
	19	52°2	51°8	50°4	50°0	48°4	48°5	49°0	49°3	49°4	49°5	49°9	51°4
	20	55°4	55°4	54°7	55°1	56°5	55°4	53°6	53°2	51°9	50°0	49°8	—
	21	44°7	43°7	42°7	42°4	41°2	40°0	40°6	40°0	39°4	39°4	39°5	41°5
	22	40°8	41°0	41°6	—	—	—	—	—	—	—	—	—
	23	—	—	—	42°9	42°7	42°5	42°2	42°0	40°4	40°0	39°8	40°2
	24	39°7	39°8	40°0	40°3	39°4	37°6	37°4	36°5	36°5	36°5	36°5	39°3
	25	40°6	40°8	40°6	40°4	39°8	39°9	40°2	39°8	38°3	39°0	39°4	42°7
	26	45°4	45°5	45°0	43°5	43°1	42°7	42°1	41°6	42°4	42°8	42°8	43°2
	27	44°9	43°5	42°8	42°4	—	42°6	42°4	42°8	42°7	41°7	41°9	42°7
	28	40°8	40°6	39°4	39°0	40°5	41°1	39°7	39°5	39°5	39°4	39°3	41°5
	29	49°6	49°2	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	47°8	47°0	46°4	47°2	46°6	45°9	45°8	46°2	47°2
Hourly Means	47°93	47°62	47°19	46°57	46°88	46°34	46°14	45°73	45°64	45°64	45°63	47°22	

WET THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
56.2	57.0	—	58.8	59.6	60.6	60.0	58.4	58.0	57.6	54.6	56.2	56.66
51.4	50.6	52.4	53.2	53.8	54.0	51.9	53.6	52.5	51.0	49.0	48.8	51.16
53.2	56.0	58.5	58.9	59.3	60.2	58.9	59.4	57.4	55.4	54.0	52.6	53.35
—	—	—	—	—	—	—	—	—	—	—	—	50.93
51.2	51.6	54.0	54.8	55.0	56.4	56.8	56.2	53.9	53.2	49.6	50.5	54.80
56.8	58.8	61.7	63.8	65.2	61.6	58.4	59.8	48.6	58.8	58.0	57.0	56.74
59.0	58.6	59.4	59.8	59.7	60.2	60.4	59.4	58.0	57.5	56.0	57.0	57.33
57.2	58.4	59.4	59.6	—	60.6	59.7	60.3	60.4	58.6	58.0	58.0	52.33
50.4	51.9	52.0	51.7	53.5	52.2	—	54.8	53.6	52.0	50.4	51.0	50.27
51.3	52.0	54.4	52.4	52.2	51.2	51.4	48.8	47.0	44.0	44.0	—	48.73
—	—	—	—	—	—	—	—	—	—	—	—	45.79
52.8	53.7	55.9	53.9	53.6	51.8	52.6	50.2	49.0	46.4	44.9	44.5	46.39
47.6	49.4	48.4	48.0	50.8	51.2	51.6	52.0	49.2	46.8	45.4	45.0	52.05
48.0	49.4	51.0	51.0	53.0	53.9	53.8	53.6	51.8	50.4	49.6	49.6	55.70
52.4	55.2	56.8	58.0	59.4	59.4	59.4	59.0	57.4	56.0	55.2	53.5	56.66
55.4	57.4	59.6	61.0	62.0	61.0	60.6	61.4	60.4	59.6	58.4	58.6	52.42
56.4	56.0	56.0	56.4	57.3	56.9	55.9	54.9	54.8	54.4	54.2	53.8	55.40
—	—	—	—	—	—	—	—	—	—	—	—	57.48
53.4	54.6	55.0	55.2	57.0	56.8	56.8	55.2	54.0	53.6	53.6	53.0	56.87
55.9	57.4	56.9	58.1	58.7	59.5	60.6	60.6	58.4	57.0	56.0	55.2	55.92
57.5	58.4	58.1	60.5	61.3	62.0	60.8	61.2	62.0	61.4	59.4	57.4	50.19
54.0	56.0	57.8	60.6	63.0	63.6	63.3	61.7	61.1	60.4	59.4	58.3	52.41
57.0	57.4	59.4	58.4	59.2	56.5	55.4	55.2	51.3	50.2	48.6	47.8	53.17
50.5	51.9	53.5	55.3	55.0	54.0	54.8	55.6	54.2	52.8	52.4	52.6	60.82
—	—	—	—	—	—	—	—	—	—	—	—	57.61
53.2	52.6	53.2	54.0	52.9	53.1	53.2	52.7	50.8	49.6	48.8	47.2	57.06
54.1	56.3	58.5	59.9	61.0	60.4	61.6	61.4	60.4	59.8	59.0	58.7	53.75
60.6	63.6	65.6	65.6	65.6	66.2	65.4	63.8	62.3	61.7	62.8	61.4	54.39
57.2	58.4	59.8	61.4	62.2	62.8	62.1	61.8	60.0	59.5	50.0	59.2	58.79
60.0	61.9	56.9	55.9	54.8	53.8	52.2	51.4	50.8	50.4	49.6	49.4	58.07
56.0	58.1	60.0	60.0	58.8	58.8	57.6	56.8	55.4	53.8	52.2	51.6	58.79
54.39	55.65	60.51	53.56	57.84	57.73	57.50	57.07	55.28	54.51	53.08	53.38	53.79
—	—	—	—	—	—	—	—	—	—	—	—	48.07
46.5	49.3	51.8	50.6	52.2	52.5	53.0	52.4	51.4	49.4	48.6	46.8	48.80
49.0	50.8	51.2	52.2	53.6	55.3	55.2	54.5	53.1	52.0	50.3	49.0	48.72
50.9	53.6	55.1	56.9	56.0	55.0	53.0	51.4	49.6	47.4	47.0	47.0	48.21
48.4	49.7	51.0	52.4	52.5	54.1	54.3	53.7	52.6	50.7	49.2	48.4	47.73
47.3	50.4	52.9	54.5	55.5	56.8	54.5	52.5	51.2	49.8	48.5	48.4	52.63
50.8	55.0	57.6	60.6	62.4	62.4	62.0	62.5	61.8	58.9	58.6	56.0	61.09
—	—	—	—	—	—	—	—	—	—	—	—	53.15
63.6	65.6	65.7	67.0	65.6	63.8	61.8	61.4	60.4	60.0	60.0	59.3	47.46
53.0	54.2	55.4	55.8	53.8	52.8	51.6	50.1	49.7	48.8	47.4	47.2	54.12
48.5	49.2	50.9	51.5	52.3	53.4	53.1	53.4	51.7	50.4	49.8	49.3	53.71
51.9	55.4	55.3	57.4	59.6	62.8	64.8	64.6	64.4	62.8	61.0	60.4	47.61
53.6	52.6	52.0	51.8	51.6	50.2	49.5	49.8	48.8	48.2	48.4	48.1	47.00
48.6	49.0	49.1	49.4	50.9	52.6	49.6	48.6	47.0	46.8	44.3	42.8	51.45
—	—	—	—	—	—	—	—	—	—	—	—	52.44
45.6	46.0	47.6	49.2	49.7	50.1	51.5	51.9	51.5	49.8	49.6	50.4	53.71
53.5	55.1	55.9	54.4	53.9	54.7	53.8	54.4	53.2	50.8	50.8	50.8	52.22
52.1	53.3	54.6	55.3	56.6	54.6	54.4	54.4	53.9	53.7	52.8	52.4	42.80
53.0	54.5	57.5	58.8	60.0	60.4	59.4	59.0	58.5	56.6	56.2	55.5	41.48
52.8	53.3	54.7	53.9	53.3	52.3	49.9	49.6	48.4	48.8	47.6	45.6	39.94
43.7	45.4	48.0	46.9	45.4	45.6	45.2	44.4	43.6	41.6	41.6	40.8	44.66
—	—	—	—	—	—	—	—	—	—	—	—	44.33
41.9	42.3	42.9	43.9	41.6	43.4	42.0	41.6	40.4	40.4	39.7	39.4	46.21
40.6	41.1	42.1	42.4	43.4	42.4	42.0	41.6	41.2	40.7	40.8	40.8	51.12
45.4	47.4	48.2	48.4	50.6	49.6	49.8	48.3	47.6	46.4	46.8	46.2	48.91
43.7	46.1	47.3	48.0	47.6	47.5	47.4	46.9	45.2	44.0	43.8	44.2	—
44.0	45.9	47.9	47.6	49.2	47.6	47.4	46.2	44.8	43.6	42.6	42.4	—
45.2	48.8	51.4	53.2	54.7	55.8	56.0	55.2	54.8	52.6	51.6	50.4	—
—	—	—	—	—	—	—	—	—	—	—	—	—
49.9	53.0	54.3	56.1	57.6	57.6	57.6	56.4	54.6	53.1	53.3	53.4	—
48.94	50.68	52.01	52.73	53.18	53.33	52.71	52.19	51.17	49.89	49.21	48.60	48.91

WET THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
MAY.	1	52°6	52°0	50°8	50°6	50°5	49°7	49°7	50°6	50°4	50°2	49°7	50°7
	2	55°2	54°9	54°5	53°9	53°5	53°2	52°8	52°7	52°0	51°4	51°6	54°4
	3	52°7	53°0	53°2	53°3	52°4	52°2	52°4	52°2	51°9	49°1	50°1	52°1
	4	57°0	56°4	55°8	55°2	54°4	53°3	53°2	51°6	50°4	50°5	50°7	51°2
	5	48°7	47°7	46°9	46°1	45°5	45°1	—	44°5	43°6	43°4	43°4	44°2
	6	45°4	45°7	46°0	—	—	—	—	—	—	—	—	—
	7	—	—	—	45°5	45°5	45°5	45°7	45°9	45°5	45°4	45°3	45°0
	8	42°5	41°6	42°5	42°7	42°3	42°0	41°9	42°0	42°6	42°6	43°0	45°8
	9	43°5	42°9	42°7	41°3	41°6	41°2	40°4	39°8	40°2	40°7	40°8	43°1
	10	43°6	42°8	42°4	41°4	41°3	40°5	40°3	40°1	40°0	40°0	39°8	42°0
	11	48°3	48°5	47°7	47°3	46°6	46°0	45°4	45°2	45°0	44°2	43°6	45°8
	12	48°2	48°3	48°8	49°0	48°0	45°0	44°2	43°4	—	41°8	41°9	42°5
	13	44°0	43°6	43°4	—	—	—	—	—	—	—	—	—
	14	—	—	—	44°8	44°6	44°6	44°2	42°5	42°4	42°2	42°0	42°6
	15	47°7	47°0	45°9	46°2	46°2	46°2	46°0	46°2	45°9	46°6	45°5	46°2
	16	50°6	51°4	51°4	51°4	51°8	51°7	51°3	50°0	50°2	50°5	50°9	51°3
	17	52°7	—	51°7	51°5	51°5	51°3	50°8	50°7	51°6	52°2	52°6	53°0
	18	48°8	47°6	46°2	45°6	46°4	45°2	44°8	44°4	42°9	42°7	41°8	41°8
	19	45°6	45°2	45°0	46°6	42°9	42°2	41°7	41°9	42°8	42°2	41°0	42°8
	20	41°3	39°7	39°3	—	—	—	—	—	—	—	—	—
	21	—	—	—	43°6	44°2	42°5	41°6	42°6	42°5	42°6	42°9	43°5
	22	44°2	43°8	43°6	43°5	42°9	43°2	43°2	—	—	44°1	43°9	44°2
	23	45°6	45°5	45°5	45°6	46°0	46°0	—	44°9	44°4	44°8	45°2	45°8
	24	48°9	48°9	48°9	48°6	48°4	47°8	47°0	46°8	46°0	46°4	47°0	47°6
	25	50°2	49°6	48°9	47°4	48°1	48°5	48°9	49°9	50°8	50°6	51°4	48°4
	26	43°3	43°0	43°3	43°2	43°2	43°2	43°2	43°0	43°1	43°2	43°4	44°0
	27	44°2	44°7	44°4	—	—	—	—	—	—	—	—	—
	28	—	—	—	41°5	41°5	41°5	41°5	41°5	41°2	40°6	40°2	41°0
	29	42°7	42°6	42°1	41°6	41°2	39°6	39°2	38°4	38°7	37°6	36°8	37°6
	30	44°6	47°2	48°6	50°2	50°4	50°4	50°4	49°8	49°8	49°8	50°9	51°3
	31	53°0	52°5	51°4	50°8	50°3	49°8	49°0	48°5	47°6	46°2	45°0	45°2
Hourly Means	47°60	47°16	47°07	46°98	46°71	46°20	45°95	45°73	45°66	45°24	45°20	46°04	
JUNE.	1	44°2	43°5	43°2	42°8	43°0	42°8	42°6	43°0	43°0	42°8	42°7	42°3
	2	44°6	44°4	44°0	43°8	43°4	43°3	42°4	42°7	42°7	42°6	42°5	43°0
	3	44°9	44°7	44°3	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	47°0	47°0	46°4	46°0	45°6	45°1	44°8	45°3
	5	47°6	47°4	47°8	48°0	46°6	46°5	46°1	45°3	44°7	44°2	43°7	44°5
	6	43°6	42°1	41°4	40°5	40°2	40°0	39°8	39°7	39°0	39°5	39°8	39°6
	7	41°3	40°7	40°1	39°5	39°6	39°0	38°0	38°0	38°2	38°3	38°7	39°7
	8	46°2	46°6	47°0	47°0	46°5	46°4	46°9	47°6	48°1	48°0	47°9	48°3
	9	46°7	46°7	47°0	47°6	48°2	48°6	48°6	48°8	48°9	48°9	49°2	49°3
	10	50°6	50°9	50°6	—	—	—	—	—	—	—	—	—
	11	—	—	—	49°2	48°3	47°3	47°6	46°8	47°3	48°5	48°7	48°2
	12	50°2	49°7	48°7	47°2	47°0	46°9	47°5	47°2	46°9	47°0	46°8	47°0
	13	45°7	44°7	44°7	44°1	44°4	44°2	43°6	43°6	43°2	43°4	43°3	44°3
	14	40°8	41°5	41°2	41°0	41°8	41°9	42°0	42°2	42°8	42°6	42°5	42°2
	15	45°1	44°6	44°2	43°2	40°5	40°3	41°2	42°4	42°8	42°8	42°6	43°2
	16	41°3	42°3	42°7	42°5	42°2	41°6	41°0	40°0	39°7	39°3	39°5	40°0
	17	41°5	44°5	44°4	—	—	—	—	—	—	—	—	—
	18	—	—	—	41°9	41°5	41°3	41°8	42°0	41°2	41°6	40°0	40°0
	19	47°5	46°9	46°7	46°9	46°2	46°2	46°0	—	46°4	47°8	47°5	47°6
	20	46°2	46°0	46°0	45°4	45°4	45°6	45°3	45°5	45°4	44°5	43°7	44°2
	21	42°3	41°8	42°3	42°0	41°5	40°7	40°5	40°0	40°5	40°2	39°8	39°7
	22	47°7	48°0	47°0	46°9	46°9	46°5	46°2	45°4	45°4	46°2	45°0	44°4
	23	43°0	42°2	41°6	41°2	41°3	40°7	40°2	38°6	—	37°8	36°9	36°9
	24	43°7	44°0	43°7	—	—	—	—	—	—	—	—	—
	25	—	—	—	47°8	47°8	48°0	48°0	47°8	48°2	47°6	47°2	47°3
	26	43°9	44°0	43°8	43°8	—	43°8	43°7	44°0	44°2	44°5	44°8	45°3
	27	44°8	45°3	45°3	45°3	45°0	44°7	44°5	44°5	44°5	44°5	45°0	45°0
	28	46°0	46°0	46°5	46°5	46°5	46°4	46°4	46°2	46°3	45°8	45°8	45°5
	29	46°0	45°2	44°8	44°0	43°8	43°8	42°5	41°6	41°5	41°4	41°6	41°5
	30	43°8	43°6	42°7	40°7	40°2	39°7	39°0	39°0	39°2	39°2	38°4	38°0
Hourly Means	44°97	44°90	44°68	44°35	44°19	43°97	43°76	43°52	43°83	43°62	43°40	43°55	

WET THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
54.2	57.0	59.2	60.4	61.2	61.1	61.3	59.1	59.5	57.9	56.2	55.6	54.59
56.2	56.9	59.3	58.5	58.5	58.5	57.7	57.0	56.2	54.4	53.6	53.7	55.03
53.7	56.3	58.3	60.5	61.6	60.4	60.0	60.4	59.3	58.5	58.4	57.8	55.41
55.2	56.2	57.6	60.4	61.1	58.7	59.5	56.5	55.0	53.8	53.2	50.8	54.90
46.3	46.0	48.6	48.4	47.9	48.7	49.2	48.7	—	46.2	46.0	45.7	46.40
—	—	—	—	—	—	—	—	—	—	—	—	—
45.4	45.6	45.6	45.4	46.0	46.3	45.6	45.4	45.0	43.4	42.6	42.6	45.22
47.5	49.1	49.7	51.3	51.5	51.4	50.0	49.1	47.8	46.8	45.7	45.5	45.70
45.6	47.3	48.6	49.5	50.4	50.8	50.2	49.6	47.6	45.8	44.0	43.8	44.64
45.8	47.2	48.6	49.4	49.8	50.0	50.0	49.4	48.3	48.0	47.8	48.0	44.85
48.2	51.4	52.2	54.5	55.9	54.3	53.6	53.0	51.0	49.2	49.4	50.0	49.01
43.3	46.4	48.0	51.2	52.9	52.6	51.8	51.0	49.0	46.9	45.5	44.6	47.14
—	—	—	—	—	—	—	—	—	—	—	—	—
44.9	47.5	50.4	52.3	52.7	53.9	54.1	52.7	50.5	49.3	48.8	48.2	46.93
47.4	49.0	49.5	50.9	52.0	51.6	52.6	51.6	51.4	51.0	50.6	50.4	48.48
51.8	52.8	51.0	53.6	54.3	54.8	54.9	53.5	52.9	52.3	52.4	52.8	52.07
53.7	55.8	56.3	56.9	56.7	57.0	56.5	55.6	53.4	51.6	51.4	50.0	53.24
43.5	46.6	48.0	49.8	51.0	51.2	51.4	51.4	49.6	48.2	46.8	46.6	46.76
45.0	47.0	47.4	48.0	48.0	47.6	47.5	46.3	44.3	43.3	43.3	41.8	44.56
—	—	—	—	—	—	—	—	—	—	—	—	—
45.0	46.0	46.6	47.4	47.9	46.6	46.7	45.8	45.4	45.3	44.4	45.0	44.10
44.8	45.4	46.4	46.8	47.2	46.9	47.0	46.4	45.4	45.5	45.8	45.4	44.98
46.0	50.7	51.3	52.4	52.4	52.4	52.3	51.6	49.6	49.8	49.6	49.0	48.10
48.2	49.3	53.5	53.2	53.6	55.6	55.2	54.8	54.4	53.1	52.4	51.8	50.31
49.8	50.2	50.6	50.4	49.0	48.4	47.5	45.6	43.5	43.3	43.4	43.4	48.24
46.3	47.8	49.0	49.0	47.5	48.4	45.6	47.2	45.8	45.6	44.0	43.6	44.95
—	—	—	—	—	—	—	—	—	—	—	—	—
42.2	44.6	46.8	49.1	50.1	50.9	50.1	48.9	46.4	45.6	44.0	43.4	44.41
40.3	42.9	46.7	48.4	48.2	48.5	48.0	47.0	46.2	45.6	46.0	45.2	42.96
53.2	54.2	54.8	56.0	56.8	56.0	54.8	53.4	54.0	53.5	53.0	52.6	51.90
47.2	48.1	48.7	49.8	51.1	50.6	48.8	46.9	46.4	45.7	44.6	44.6	48.41
47.80	49.53	50.95	51.98	52.42	52.34	51.92	51.03	49.92	48.87	48.26	47.85	48.29
44.8	47.2	48.7	50.1	50.1	50.6	49.0	48.2	46.6	46.0	44.7	44.3	45.26
44.5	47.8	48.0	50.2	51.6	51.4	50.1	49.2	47.6	46.4	46.4	45.7	45.76
—	—	—	—	—	—	—	—	—	—	—	—	—
45.7	46.5	47.5	49.7	49.7	50.0	50.2	49.6	48.4	47.6	47.6	47.8	47.02
44.8	46.2	46.8	48.0	48.6	47.5	48.2	46.6	45.6	45.5	45.4	45.4	46.29
40.3	41.5	42.4	42.5	43.7	44.4	43.8	42.7	41.8	41.6	41.1	41.6	41.36
41.9	44.1	45.6	47.9	48.0	48.6	48.6	47.8	46.8	46.7	46.6	46.4	42.98
49.6	50.8	51.8	51.6	51.0	49.9	49.8	48.4	47.2	46.6	46.6	46.8	48.19
49.7	51.0	51.3	52.4	53.4	—	53.4	51.6	51.0	51.0	50.5	50.6	49.76
—	—	—	—	—	—	—	—	—	—	—	—	—
50.5	51.6	52.2	53.4	53.0	53.6	53.4	52.2	51.5	51.0	50.8	50.0	50.30
48.4	50.7	50.6	51.8	51.9	51.7	51.2	49.2	48.7	46.1	46.8	46.3	48.56
46.5	46.5	47.6	47.9	48.4	48.0	46.4	45.8	43.4	41.2	40.8	41.6	44.72
43.2	44.6	47.2	47.6	49.2	49.2	49.0	47.6	45.6	46.4	45.2	45.2	44.27
44.6	45.8	47.4	48.3	49.6	49.4	49.7	48.3	47.5	44.5	42.4	42.2	44.69
41.5	43.9	45.9	46.1	48.8	49.0	48.4	48.0	47.6	46.7	46.3	45.4	43.74
—	—	—	—	—	—	—	—	—	—	—	—	—
41.7	45.7	48.0	49.7	50.6	50.2	50.7	49.9	48.7	47.4	47.5	48.2	45.00
48.2	49.5	49.5	49.1	49.4	49.4	48.0	47.0	46.0	45.5	45.5	45.9	47.33
45.8	47.8	48.0	49.0	49.3	48.7	48.5	47.0	45.1	43.8	44.0	42.2	45.94
39.9	42.3	44.8	47.8	48.2	49.6	49.3	49.3	49.4	49.2	48.3	48.0	44.06
47.5	46.9	48.9	49.3	49.0	49.0	48.0	46.8	45.2	44.5	43.7	43.5	46.52
37.3	40.7	43.7	44.6	46.6	46.6	46.6	44.4	43.2	44.3	43.8	44.0	42.01
—	—	—	—	—	—	—	—	—	—	—	—	—
47.5	47.4	48.1	46.9	46.9	46.9	45.0	44.6	43.7	43.3	43.4	43.7	46.19
45.5	46.5	47.0	47.4	47.3	46.8	46.3	45.7	45.2	44.5	44.8	44.8	45.11
46.4	47.3	47.5	47.8	47.9	47.9	47.9	47.0	47.0	47.0	46.9	45.8	46.03
46.2	46.0	48.3	48.7	46.8	48.5	—	47.8	47.0	46.7	46.2	45.6	46.60
43.2	45.2	46.4	46.4	47.5	47.3	47.4	46.2	44.6	44.6	44.2	43.8	44.25
39.5	41.4	42.0	42.4	44.3	44.9	45.1	44.9	45.0	44.8	45.1	45.0	41.58
44.80	46.34	47.51	48.33	48.88	48.76	48.56	47.53	46.52	45.83	45.56	45.38	45.53

WET THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
JULY.	1	44.7	44.7	44.5	—	—	—	—	—	—	—	—	
	2	—	—	—	41.6	41.6	41.6	41.4	41.4	41.4	41.6	42.5	
	3	46.0	45.8	45.6	45.1	45.1	44.9	46.2	46.5	46.0	46.2	47.0	47.0
	4	48.7	48.5	48.5	48.3	48.0	47.6	47.4	47.2	45.5	45.2	45.1	45.3
	5	48.5	48.2	47.8	47.2	47.1	46.4	45.5	45.5	44.8	44.2	44.4	43.5
	6	47.6	47.3	46.9	46.6	45.9	45.5	45.5	45.2	45.0	44.8	44.8	45.0
	7	46.8	46.4	46.2	46.3	45.5	46.0	45.8	46.0	—	46.5	46.5	46.5
	8	43.0	42.8	42.8	—	—	—	—	—	—	—	—	—
	9	—	—	—	35.5	35.4	35.3	34.4	34.4	—	33.8	33.7	34.5
	10	38.0	37.4	37.5	38.0	38.0	38.4	38.9	39.0	39.5	39.8	40.9	45.4
	11	48.2	48.0	47.0	45.4	45.2	44.0	43.0	43.0	43.2	42.5	43.2	44.5
	12	45.6	45.7	45.7	45.4	43.5	41.9	41.6	39.4	39.0	38.2	37.8	37.6
	13	39.0	39.0	38.9	38.4	37.5	36.8	36.4	35.9	36.3	36.4	36.2	36.4
	14	42.6	42.8	42.4	42.2	42.2	42.3	41.1	41.8	42.0	42.7	41.5	42.5
	15	44.5	44.4	43.3	—	—	—	—	—	—	—	—	—
	16	—	—	—	42.0	41.2	40.2	40.5	41.0	41.7	41.7	42.0	42.0
	17	43.1	42.4	42.0	41.8	41.6	41.3	42.0	42.0	40.4	40.4	40.3	40.6
	18	42.7	42.3	41.8	41.6	40.7	40.9	40.7	40.8	—	40.2	40.4	40.6
	19	39.9	39.9	39.2	38.4	37.6	37.0	36.2	36.0	35.8	35.5	34.7	35.2
	20	36.2	36.5	36.8	37.4	37.1	37.0	37.0	37.0	37.0	36.8	37.2	37.2
	21	41.6	40.4	39.2	38.7	39.0	38.8	39.0	38.5	38.0	38.0	36.4	36.4
	22	39.3	37.8	36.8	—	—	—	—	—	—	—	—	—
	23	—	—	—	32.6	32.4	32.8	32.9	32.9	32.5	32.5	32.4	32.4
	24	35.4	34.7	34.2	33.7	33.3	33.3	33.2	32.8	32.6	32.6	32.6	32.8
	25	39.9	39.8	39.6	39.2	38.4	38.0	36.0	—	35.9	36.2	36.2	36.3
	26	42.0	41.2	40.2	40.0	39.5	39.2	38.5	38.7	38.7	38.9	40.0	41.5
	27	41.0	41.0	40.6	40.4	40.7	40.7	40.4	40.4	—	40.4	41.8	42.0
	28	48.3	48.0	48.0	48.0	48.4	48.6	48.6	48.8	49.3	49.5	49.7	50.1
	29	49.8	50.2	50.0	—	—	—	—	—	—	—	—	—
	30	—	—	—	46.9	45.3	45.3	44.5	44.1	43.0	42.2	41.4	41.6
	31	38.9	38.5	38.3	37.8	37.6	39.8	39.0	39.8	—	—	40.6	41.2
Hourly Means	43.13	42.83	42.45	41.48	41.07	40.91	40.60	40.72	40.36	40.26	40.32	40.79	
AUGUST.	1	38.0	37.7	38.3	37.8	37.8	37.5	37.8	38.0	—	37.8	37.7	39.5
	2	40.5	39.7	39.2	38.2	37.4	36.3	36.3	35.9	35.6	35.4	35.4	37.2
	3	44.4	45.1	45.1	44.7	44.0	44.4	44.7	44.3	—	44.0	43.7	44.7
	4	45.0	44.4	44.0	44.0	43.8	43.4	42.8	42.3	43.9	43.5	43.2	43.0
	5	39.2	38.6	38.6	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	41.0	41.2	41.6	41.6	41.6	42.2	42.6	43.6
	7	46.4	46.5	48.0	47.0	47.3	46.8	46.7	46.5	46.8	46.9	47.1	47.9
	8	47.5	47.3	47.2	47.1	47.5	47.5	46.9	46.5	—	—	48.0	48.6
	9	48.9	48.9	49.0	49.4	49.6	49.0	49.0	48.8	48.6	48.3	48.4	48.7
	10	49.4	49.8	49.6	47.6	48.4	46.6	45.7	44.9	45.4	45.6	45.7	46.9
	11	46.7	45.0	45.2	44.6	41.9	42.3	42.5	42.5	42.8	42.0	41.4	43.8
	12	45.9	45.6	44.9	—	—	—	—	—	—	—	—	—
	13	—	—	—	45.7	45.2	45.0	44.4	42.3	43.1	43.7	42.7	43.7
	14	45.5	45.4	44.7	44.7	44.5	—	43.0	42.5	42.0	40.8	40.6	41.8
	15	43.3	42.4	41.3	41.2	40.6	40.4	40.4	40.4	39.7	39.7	40.1	40.7
	16	44.8	44.6	44.0	43.2	43.6	42.2	45.6	45.3	—	42.9	41.5	41.8
	17	37.8	37.7	38.3	38.3	37.9	38.0	38.3	38.5	38.8	39.0	39.2	42.0
	18	43.6	42.7	42.5	42.3	41.0	40.2	40.0	39.6	—	38.2	38.6	39.8
	19	43.5	42.5	41.8	—	—	—	—	—	—	—	—	—
	20	—	—	—	42.8	42.7	42.7	42.8	42.8	42.6	40.8	39.8	42.2
	21	39.2	38.4	38.2	38.2	37.4	37.0	36.0	36.0	35.7	35.5	36.2	37.7
	22	40.8	40.8	40.2	40.0	39.4	39.6	38.8	37.7	37.1	37.0	36.9	38.7
	23	47.7	46.4	46.3	46.0	45.2	44.8	44.7	44.4	44.6	44.6	44.6	45.2
	24	40.8	40.3	39.5	39.2	38.0	37.8	37.0	36.6	36.5	36.0	36.2	38.0
	25	49.7	49.5	49.6	48.6	—	47.2	47.2	46.0	45.3	44.8	43.4	44.5
	26	52.0	51.5	51.2	—	—	—	—	—	—	—	—	—
	27	—	—	—	55.0	54.8	54.6	54.8	54.6	54.6	54.3	54.4	54.5
	28	44.6	44.4	43.8	43.0	43.3	41.7	41.3	39.7	40.2	41.2	42.2	45.3
	29	38.7	38.3	37.8	37.3	36.6	36.0	35.3	34.9	34.6	34.0	33.2	33.6
	30	36.1	35.9	35.8	35.7	35.6	36.4	37.0	37.6	38.0	38.4	39.0	39.7
	31	43.8	43.8	44.0	44.6	42.8	42.7	42.3	42.5	41.8	41.0	41.2	42.0
Hourly Means	43.85	43.45	43.26	43.32	42.59	42.43	42.33	41.99	41.79	41.45	41.59	42.78	

WET THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
—	—	—	—	—	—	—	—	—	—	—	—	—
43·4	44·8	45·4	47·0	47·8	48·0	48·3	47·6	46·7	46·7	46·2	46·0	44·43
48·2	48·6	49·5	48·6	49·5	49·3	49·3	49·3	49·0	49·0	49·5	49·3	47·52
47·5	48·3	49·7	49·8	50·2	50·2	49·4	49·2	48·5	48·3	47·4	48·4	48·01
44·4	45·8	47·1	48·4	48·6	48·6	48·5	47·5	46·8	47·8	47·8	48·0	46·77
46·0	47·0	46·6	47·5	47·1	46·6	46·3	46·0	45·8	46·0	46·5	47·2	46·19
46·7	46·5	46·5	46·6	46·2	46·0	45·2	44·0	43·6	43·4	43·3	43·8	45·66
—	—	—	—	—	—	—	—	—	—	—	—	—
36·0	38·0	41·0	42·6	43·3	43·5	43·3	42·9	40·7	39·5	38·7	37·8	38·82
46·8	48·2	49·2	49·7	49·7	50·3	49·8	49·7	49·3	49·1	48·8	48·5	44·16
44·9	45·0	45·6	46·0	46·5	46·6	47·7	46·8	46·3	46·0	45·9	45·6	45·42
38·2	39·8	39·6	40·7	41·9	40·7	40·9	41·1	39·2	39·7	39·0	39·4	40·90
37·7	39·7	40·4	44·0	44·6	45·4	46·2	46·0	43·6	43·1	42·7	42·7	40·14
44·8	46·6	47·2	49·2	50·6	50·6	49·7	49·3	47·7	46·3	46·0	45·6	44·99
—	—	—	—	—	—	—	—	—	—	—	—	—
43·9	44·9	44·9	46·3	46·0	47·0	46·4	45·0	43·6	43·6	42·9	42·9	43·41
42·0	44·2	46·4	47·8	47·0	46·7	47·2	47·4	46·0	44·5	43·5	43·0	43·48
42·0	43·7	45·9	47·5	48·3	48·5	48·2	47·5	44·8	42·6	41·5	40·7	43·21
—	39·0	41·3	42·8	44·7	44·6	44·7	42·3	39·5	38·9	37·9	36·6	39·03
40·3	41·5	42·8	43·8	44·7	45·0	43·8	42·5	41·4	40·9	41·6	41·6	39·71
38·5	41·2	42·2	43·3	43·7	43·7	43·7	42·5	42·5	41·6	41·0	40·6	40·37
—	—	—	—	—	—	—	—	—	—	—	—	—
33·0	35·0	37·2	38·2	41·8	41·6	41·7	41·8	39·2	37·6	36·8	36·0	36·12
33·6	36·0	37·2	40·6	42·5	44·2	43·9	44·0	41·4	41·3	41·4	41·5	37·03
37·4	41·8	43·8	47·3	46·2	46·2	47·4	46·2	45·2	44·2	44·0	42·9	41·22
43·5	43·2	43·8	42·8	42·6	44·0	43·8	42·3	40·6	40·3	41·3	41·2	41·49
45·6	47·5	48·6	50·2	50·4	50·4	50·3	49·9	49·5	48·6	48·4	48·0	45·08
50·7	51·9	52·4	53·5	53·4	54·2	54·5	53·2	51·8	51·2	50·7	50·3	50·54
—	—	—	—	—	—	—	—	—	—	—	—	—
46·0	45·4	47·5	44·8	42·9	43·6	43·3	42·3	42·2	40·0	40·0	39·5	44·24
43·0	44·7	46·1	47·4	45·6	45·8	44·8	43·2	41·8	40·4	39·7	39·7	41·53
42·56	43·78	44·92	46·02	46·55	46·59	46·47	45·77	44·49	43·87	43·56	43·34	43·06
41·3	42·4	43·0	44·2	44·5	44·8	44·7	43·7	42·0	42·2	41·2	41·2	40·57
40·4	42·6	45·2	45·3	45·2	45·5	45·7	44·5	44·7	44·5	44·6	44·6	40·83
46·6	47·5	47·9	46·9	46·8	46·6	46·8	47·0	45·8	45·2	45·6	45·2	45·53
44·6	45·6	47·2	47·6	46·3	47·2	45·0	44·3	42·4	41·8	40·6	40·0	43·99
—	—	—	—	—	—	—	—	—	—	—	—	—
44·7	—	—	49·3	49·2	49·4	48·6	47·6	47·0	47·0	47·3	46·7	44·22
48·2	50·4	51·0	51·2	52·0	51·8	51·5	50·3	48·7	48·5	47·8	47·8	48·46
50·2	50·6	50·5	50·7	50·5	51·0	50·5	50·3	50·0	50·2	49·7	49·0	48·97
48·4	51·4	52·5	52·7	53·5	52·4	52·8	52·6	52·0	50·8	49·5	49·4	50·19
47·0	48·0	50·0	51·4	52·0	50·8	50·7	51·0	50·6	49·7	49·0	48·6	48·52
47·0	48·6	50·2	50·7	50·8	51·5	50·5	50·3	49·3	47·5	47·0	46·6	46·28
—	—	—	—	—	—	—	—	—	—	—	—	—
46·5	49·0	51·0	51·6	53·3	53·2	52·7	52·2	51·8	49·2	48·8	47·4	47·45
43·2	45·1	47·7	50·4	51·8	51·9	50·7	50·3	48·8	47·0	45·0	43·8	45·70
41·7	43·4	47·7	49·9	50·8	51·2	51·0	50·6	50·0	48·8	46·5	45·5	44·47
43·0	42·0	43·4	43·2	45·6	43·6	43·7	41·2	41·3	40·2	39·8	38·8	42·90
43·7	45·5	47·7	49·2	49·0	49·0	48·9	48·0	45·9	45·1	44·3	44·2	42·73
42·4	45·2	46·5	47·9	47·8	48·8	49·2	48·4	47·0	45·6	45·4	44·6	43·79
—	—	—	—	—	—	—	—	—	—	—	—	—
44·0	46·7	46·2	46·6	46·8	48·0	48·3	46·5	45·3	43·6	41·8	40·3	43·79
40·5	43·0	45·2	47·3	48·2	48·0	48·0	47·4	46·8	44·0	42·7	41·8	41·18
42·2	44·4	46·6	48·8	49·0	51·2	53·2	51·5	49·9	49·8	49·4	49·0	43·82
45·8	46·3	47·3	47·3	47·7	47·8	48·0	47·0	45·2	43·5	43·0	41·6	45·62
40·6	44·7	46·2	49·8	50·6	50·8	50·6	50·6	49·2	49·0	50·0	49·4	43·22
46·9	49·6	51·6	53·2	55·3	54·0	55·0	53·3	52·6	52·8	50·6	51·4	49·66
—	—	—	—	—	—	—	—	—	—	—	—	—
55·0	55·7	55·2	51·0	50·2	50·2	50·0	49·6	48·7	47·4	46·3	45·6	52·13
47·0	48·2	50·2	51·2	51·0	—	47·8	45·7	43·9	42·1	40·8	40·2	44·30
34·8	35·2	37·6	36·7	37·5	38·8	37·8	36·7	36·8	36·0	35·3	35·4	36·20
41·1	42·4	43·2	44·5	45·6	45·6	45·2	44·8	43·7	43·7	43·3	43·2	40·48
44·6	45·2	45·8	46·8	47·1	47·7	48·1	46·3	45·0	44·3	43·7	44·2	44·22
44·49	46·10	47·56	48·35	48·82	48·88	48·70	47·84	46·83	45·90	45·15	44·61	44·78

WET THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
SEPTEMBER.	1	44°2	43°5	43°2	41°4	39°9	38°9	37°9	38°2	38°8	39°0	39°6	40°6
	2	45°7	44°7	43°9	—	—	—	—	—	—	—	—	—
	3	—	—	—	39°9	39°5	39°3	38°9	39°5	39°5	39°7	40°9	43°1
	4	41°4	39°7	39°4	38°6	—	37°0	36°9	36°5	35°8	35°6	38°0	39°8
	5	41°0	40°7	40°8	40°3	39°3	38°7	38°0	37°7	37°6	37°0	38°2	40°2
	6	40°0	39°8	39°2	38°5	38°2	37°5	37°2	36°5	36°4	37°2	38°2	39°7
	7	43°8	43°1	42°3	41°5	40°7	40°2	39°7	39°0	39°2	39°2	40°2	42°0
	8	42°0	41°8	41°3	40°7	—	39°0	39°8	40°0	40°3	41°2	41°4	42°6
	9	44°0	43°0	43°0	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	46°0	46°0	46°9	46°0	45°4	45°0	44°6	48°2
	11	42°9	42°4	42°6	42°7	42°4	42°0	41°0	41°2	40°2	39°6	40°7	43°4
	12	40°8	40°2	40°0	39°2	39°1	38°6	38°5	39°0	38°8	38°6	39°6	41°5
	13	41°4	41°3	41°2	40°7	40°2	40°1	39°4	38°9	39°0	38°6	38°8	39°0
	14	38°9	38°7	38°6	38°6	38°6	39°0	39°2	39°0	38°7	39°0	40°7	41°6
	15	40°8	41°2	41°2	41°0	39°6	39°3	38°2	38°2	37°9	37°8	37°8	38°0
	16	38°6	38°2	37°7	—	—	—	—	—	—	—	—	—
	17	—	—	—	—	37°8	37°4	37°0	36°8	36°4	36°2	37°8	40°4
	18	44°0	44°0	44°6	43°6	42°6	41°6	42°3	42°3	42°0	42°7	43°5	46°3
	19	47°8	47°5	46°3	45°8	45°4	44°9	44°0	43°5	43°8	43°8	44°6	45°8
	20	42°9	43°2	42°8	42°2	—	42°4	42°4	42°4	42°0	41°5	44°0	44°7
	21	44°7	43°9	45°0	44°6	44°3	44°0	44°6	44°6	44°8	46°3	47°3	47°8
	22	46°2	45°1	44°7	43°7	43°4	43°1	42°9	42°8	44°0	43°4	42°6	42°8
	23	38°8	38°6	38°5	—	—	—	—	—	—	—	—	—
	24	—	—	—	42°2	42°3	42°7	42°4	42°2	43°1	43°3	46°4	48°0
	25	46°2	46°0	46°4	46°8	47°0	47°4	47°6	47°9	48°0	48°4	50°2	52°0
	26	51°7	51°2	51°2	50°5	50°2	50°2	50°2	49°2	49°5	49°2	49°8	50°7
	27	55°2	55°8	54°4	55°0	54°8	54°7	55°2	54°5	53°7	54°2	54°9	56°2
	28	51°7	50°7	51°3	50°3	49°3	49°0	48°7	47°1	46°8	46°2	48°0	48°6
	29	42°2	41°6	41°2	40°7	—	40°2	40°0	40°0	39°9	40°3	41°3	42°3
Hourly Means	43°86	43°44	43°23	42°98	42°89	42°13	41°96	41°72	41°66	41°72	42°72	44°21	
OCTOBER.	Sept. 30	41°4	40°6	40°2	—	—	—	—	—	—	—	—	
	1	—	—	—	—	—	40°3	40°6	40°6	41°0	41°2	43°6	46°2
	2	41°8	41°2	40°0	38°5	38°2	38°8	37°4	37°8	38°0	38°7	42°4	44°7
	3	47°4	46°8	46°8	49°6	45°0	44°5	43°7	44°2	44°8	45°5	45°9	50°1
	4	53°4	53°2	52°7	52°2	52°9	53°1	53°4	54°1	54°6	54°0	52°6	53°8
	5	44°4	43°2	43°5	43°0	42°8	42°8	43°0	42°0	42°7	43°2	43°5	46°4
	6	40°6	40°4	40°0	40°0	39°6	39°5	39°6	39°4	39°5	39°6	42°8	44°9
	7	48°9	49°2	49°2	—	—	—	—	—	—	—	—	—
	8	—	—	—	47°8	47°0	46°0	45°2	45°6	45°3	46°0	46°5	47°4
	9	50°6	52°0	52°0	51°4	50°5	50°3	50°5	50°9	50°9	51°5	50°9	50°6
	10	46°7	44°2	43°5	43°0	42°5	42°2	41°5	41°4	41°0	42°0	45°6	48°8
	11	52°7	53°3	49°5	47°7	45°9	45°0	44°1	43°9	43°7	45°0	47°4	49°3
	12	43°0	42°0	41°0	40°6	39°8	39°3	39°1	38°4	38°5	39°5	42°4	44°5
	13	45°8	46°7	44°3	43°4	42°9	40°3	39°5	38°4	38°0	40°6	43°2	44°8
	14	46°2	46°9	46°3	—	—	—	—	—	—	—	—	—
	15	—	—	—	39°7	38°3	37°8	38°3	38°2	39°5	40°4	41°5	43°5
	16	47°8	47°5	47°5	47°2	47°4	47°3	46°7	45°9	46°0	46°6	49°2	50°2
	17	48°5	48°5	48°4	47°7	48°0	48°0	48°0	48°0	47°6	48°4	49°3	51°2
	18	48°4	49°0	48°6	47°8	47°4	46°7	47°2	46°8	45°3	45°4	43°7	44°8
	19	42°5	41°3	40°3	39°4	38°4	37°7	36°5	36°7	36°4	39°8	43°7	45°0
	20	45°8	46°2	45°7	45°5	45°2	44°8	44°6	—	45°3	46°2	47°3	47°7
	21	48°8	48°8	48°4	—	—	—	—	—	—	—	—	—
	22	—	—	—	41°5	41°9	40°7	40°5	40°5	41°8	42°0	43°8	45°0
	23	46°9	45°5	45°1	44°1	—	44°4	44°4	44°0	—	45°4	45°8	46°3
	24	49°8	49°6	49°2	50°4	50°0	51°3	52°2	51°7	52°5	54°0	55°7	53°1
	25	45°7	45°4	44°6	43°0	42°3	42°2	41°5	40°7	41°0	43°0	45°2	48°6
	26	53°2	52°3	52°2	50°5	49°8	49°0	48°0	47°6	47°7	50°0	51°3	54°2
	27	49°2	48°0	47°4	45°2	45°0	43°9	43°0	42°0	42°0	42°7	44°7	48°0
	28	48°3	48°2	47°7	—	—	—	—	—	—	—	—	—
	29	—	—	—	39°0	38°8	38°8	39°0	39°4	39°9	42°0	41°8	43°4
	30	42°0	41°8	41°8	42°0	41°7	42°5	42°5	43°3	43°8	45°4	45°9	47°2
	31	46°3	45°7	45°7	45°5	—	44°7	44°9	44°9	45°2	46°0	48°6	51°4
Hourly Means	46°89	46°60	45°99	44°83	44°22	43°74	43°51	43°32	43°54	44°69	46°10	47°82	

WET THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
43.5	45.4	46.8	48.2	49.8	50.3	51.3	50.6	49.8	47.7	47.7	46.7	44.29
45.6	47.6	48.6	47.8	47.5	47.6	45.7	45.2	44.0	43.7	42.2	41.4	43.39
42.3	44.4	46.4	46.9	47.7	46.3	45.9	46.0	43.9	42.8	42.2	42.2	41.54
42.8	44.5	47.3	47.2	46.8	48.0	49.0	47.8	45.2	43.7	42.3	40.9	42.29
41.6	45.6	45.8	46.8	48.7	48.3	48.0	47.5	47.0	46.3	45.2	45.6	42.29
45.5	47.4	46.5	47.5	47.5	46.7	46.7	44.6	43.7	42.6	42.5	41.6	43.07
43.4	48.1	51.5	51.5	52.0	52.0	48.4	49.6	49.0	47.3	45.8	45.2	44.95
50.7	54.5	55.7	56.2	51.9	52.2	51.0	49.3	48.2	46.8	46.0	44.2	48.03
43.9	44.3	44.3	45.3	47.5	47.0	46.2	47.0	46.2	43.0	42.0	41.2	43.29
44.0	45.0	45.4	47.4	45.3	45.2	42.5	42.7	42.4	42.1	42.2	41.2	41.64
41.7	43.6	43.4	44.3	43.7	43.6	44.6	43.1	43.3	41.0	40.0	39.0	41.24
42.5	43.8	—	46.2	46.4	46.0	45.0	44.0	43.6	44.0	42.0	41.8	41.56
39.6	40.8	43.0	42.2	42.6	45.1	44.6	43.2	42.2	39.8	39.3	39.0	40.52
43.0	46.2	47.3	48.4	49.0	49.8	49.0	48.0	46.6	45.2	44.6	43.8	42.40
48.4	49.6	49.4	50.2	50.6	50.3	50.2	49.5	48.5	48.2	48.3	48.2	46.29
47.4	48.7	49.4	51.2	52.2	50.7	50.5	50.3	48.9	46.7	43.5	42.5	46.88
46.2	47.0	48.4	50.0	51.4	51.6	51.6	50.8	49.0	47.2	46.0	49.6	46.06
50.6	51.2	51.4	57.6	52.2	52.2	50.3	49.7	49.6	48.8	47.8	46.8	47.92
42.3	44.0	44.6	45.3	46.5	46.0	47.3	42.2	41.2	41.3	40.3	39.5	43.55
50.2	50.2	50.0	51.0	51.6	52.0	51.2	50.2	49.3	48.3	47.0	46.0	46.06
55.4	55.8	55.6	55.3	56.1	57.7	56.2	56.2	54.5	53.5	53.0	52.3	51.48
52.3	55.5	58.0	60.5	59.7	60.0	60.4	58.0	57.4	56.2	55.8	55.8	53.88
57.4	59.6	59.0	59.4	57.2	58.5	58.2	54.6	53.5	51.8	52.0	52.0	55.41
48.9	50.2	50.6	50.6	50.2	50.8	50.5	49.0	45.7	43.9	43.0	42.6	48.49
41.9	43.0	44.2	46.2	47.6	47.4	45.6	46.4	45.0	42.5	42.0	41.5	42.74
46.04	47.84	48.86	49.73	49.67	49.81	49.19	48.02	47.10	45.78	44.91	44.42	45.19
47.8	48.4	49.4	50.7	50.1	50.9	50.7	47.7	47.0	46.8	44.6	43.3	45.14
47.2	49.0	50.7	52.0	53.0	53.8	53.2	52.0	51.2	50.4	49.8	48.0	45.32
52.2	55.2	55.8	57.4	60.4	58.7	58.7	57.8	57.0	55.5	54.7	52.5	51.26
53.7	55.2	57.7	59.0	59.3	58.1	56.3	56.3	53.2	46.0	45.5	45.3	53.57
47.8	49.3	48.0	47.5	46.8	47.2	48.0	46.4	44.2	42.3	41.8	41.2	44.65
47.6	49.4	52.4	54.4	53.3	53.8	54.4	54.6	53.2	50.9	50.0	49.5	46.22
49.0	51.1	52.1	54.5	53.6	56.0	56.1	55.4	54.3	53.2	51.3	50.7	50.06
52.1	50.5	51.5	51.5	52.2	51.2	51.3	50.3	48.4	46.9	46.5	46.4	50.45
52.3	53.7	53.5	54.7	53.3	55.9	55.3	55.1	54.1	53.8	53.8	52.7	48.77
48.9	49.9	51.9	52.3	52.3	51.2	50.5	49.4	47.6	45.8	44.8	43.8	48.16
47.3	49.4	51.1	52.0	55.6	55.1	52.0	52.5	50.6	49.5	48.8	49.2	45.88
46.1	47.3	47.3	48.0	50.2	51.7	50.4	51.5	48.9	48.2	47.5	45.6	45.44
44.9	46.7	48.6	49.2	51.4	53.5	52.8	53.2	50.6	49.7	48.3	47.5	45.54
52.7	54.0	54.4	54.5	55.7	55.8	56.0	55.9	52.5	52.9	50.3	49.3	50.55
51.4	53.0	55.0	57.1	57.7	58.2	58.7	58.7	55.5	54.0	51.3	50.7	51.79
45.9	46.8	49.0	47.8	49.3	46.5	47.0	48.1	46.0	44.0	43.6	43.3	46.60
47.0	48.3	49.8	51.1	52.0	52.3	52.8	52.1	50.9	48.9	48.0	47.2	44.92
78.8	52.1	54.7	55.0	54.8	52.3	53.8	53.8	54.5	53.6	52.1	50.5	49.58
45.5	46.6	46.4	46.8	48.3	48.4	48.1	51.5	50.4	48.9	47.7	46.7	45.79
46.5	46.5	48.0	47.9	51.2	52.4	54.0	53.0	51.8	50.8	50.1	49.5	47.90
51.9	52.5	52.2	53.5	50.3	—	50.3	51.0	50.8	49.2	47.3	46.2	51.07
51.6	54.1	56.2	57.3	58.3	60.4	59.4	60.3	55.3	—	53.5	53.2	49.69
56.3	57.8	61.5	61.9	61.5	58.7	59.0	55.4	54.0	51.8	51.5	49.5	53.53
46.0	48.8	50.0	50.9	51.3	54.7	54.1	51.6	50.5	51.6	49.7	49.7	47.92
46.4	47.2	47.0	49.5	48.5	48.5	48.0	48.8	46.8	45.1	43.7	43.6	44.56
50.0	51.5	51.0	51.8	53.6	52.8	52.4	54.7	51.6	49.8	47.4	46.7	47.22
51.1	51.0	52.8	55.0	57.8	60.3	61.7	61.9	61.7	58.6	57.5	56.3	51.94
49.20	50.57	51.78	52.71	53.40	53.78	53.52	53.30	51.58	49.93	48.90	48.08	48.27

WET THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
NOVEMBER.	1	54°5	53°5	52°5	51°9	50°8	50°0	49°4	49°0	49°5	50°0	52°1	55°9
	2	58°4	55°8	52°0	53°2	53°2	52°7	53°2	54°3	53°5	53°7	55°0	57°0
	3	55°3	54°6	54°8	54°3	48°5	47°8	47°9	47°8	48°6	50°2	50°4	52°0
	4	47°5	47°8	47°0	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	46°6	46°7	46°6	46°4	46°9	47°8	50°9	50°5
	6	49°3	49°2	49°1	49°3	45°9	46°5	45°6	44°3	45°0	46°8	48°8	50°2
	7	49°7	50°7	50°7	48°0	46°2	46°2	45°5	44°3	44°3	46°7	47°8	48°6
	8	47°0	46°8	46°2	46°0	45°3	44°8	44°2	43°9	43°7	45°9	44°1	44°5
	9	42°2	41°8	42°2	42°4	43°0	43°5	43°8	44°7	46°2	47°6	48°6	49°6
	10	48°5	48°0	48°0	48°3	48°0	48°0	48°0	48°6	48°4	48°8	49°3	50°2
	11	42°4	42°4	43°0	—	—	—	—	—	—	—	—	—
	12	—	—	—	43°5	43°9	43°8	44°0	44°1	45°2	46°2	47°8	48°4
	13	51°5	51°8	50°8	50°4	50°0	50°0	49°1	49°4	50°7	52°3	53°2	54°0
	14	52°1	52°4	52°8	52°4	52°2	52°6	50°9	51°0	51°5	50°4	52°2	53°8
	15	53°5	51°3	49°7	47°5	47°5	46°5	47°5	45°5	46°2	48°8	48°2	51°4
	16	47°2	47°1	46°7	46°1	46°0	44°8	44°6	44°6	44°7	46°5	49°0	52°5
	17	58°0	59°0	59°0	59°4	58°7	58°7	58°0	57°7	58°1	58°5	61°1	63°6
	18	68°7	67°1	66°4	—	—	—	—	—	—	—	—	—
	19	—	—	—	53°6	53°8	52°7	53°5	53°2	53°6	54°0	54°4	55°4
	20	48°2	47°8	48°2	47°2	46°5	46°2	45°6	44°5	—	48°9	49°7	51°0
	21	46°8	46°2	46°2	45°4	45°9	45°7	45°0	44°3	45°2	48°0	50°2	49°8
	22	49°7	49°7	—	49°0	49°2	48°0	47°7	49°3	49°7	51°3	52°2	52°9
	23	52°0	53°0	53°0	51°6	51°5	50°2	47°4	47°7	—	51°5	52°5	52°7
	24	48°1	47°5	47°3	47°4	46°4	46°9	46°5	46°4	46°8	48°0	49°2	49°0
	25	53°9	53°0	52°2	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	51°7	51°5	51°3	49°8	53°7	53°4	53°7	55°7
	27	54°2	53°1	52°7	52°6	52°1	53°3	51°5	50°9	—	53°0	53°4	54°6
	28	53°5	51°7	50°5	48°8	49°2	49°0	48°2	48°8	50°4	52°3	54°7	56°3
	29	56°2	55°8	54°5	50°5	47°2	47°2	46°0	46°0	46°3	47°5	49°5	50°3
	30	52°2	51°2	51°5	51°3	52°0	52°4	51°9	51°9	52°0	53°0	54°5	56°4
Hourly Means	51°56	51°06	50°68	49°59	48°89	48°67	48°22	48°01	48°70	50°04	51°25	52°55	
DECEMBER.	1	54°2	54°5	—	49°5	55°0	54°7	55°0	54°8	55°0	55°4	55°4	54°8
	2	52°4	53°4	54°5	—	—	—	—	—	—	—	—	—
	3	—	—	—	52°9	53°1	53°3	53°3	53°7	54°6	54°5	55°0	54°0
	4	51°5	50°7	50°4	50°7	50°2	50°0	49°5	49°2	49°7	50°4	52°2	52°1
	5	47°4	47°0	46°8	47°2	45°4	45°0	44°2	43°8	43°9	43°9	45°2	45°8
	6	44°4	43°7	42°4	41°7	41°0	40°9	40°6	41°3	43°8	44°6	47°2	48°6
	7	48°9	49°5	48°9	48°9	49°0	49°0	48°8	48°6	—	—	50°0	51°5
	8	50°2	49°6	49°2	48°6	48°5	48°3	48°7	49°0	—	52°3	53°7	54°9
	9	54°0	53°7	54°2	—	—	—	—	—	—	—	—	—
	10	—	—	—	47°2	46°8	47°0	46°0	46°0	46°7	48°4	50°3	49°8
	11	51°2	50°4	48°6	46°8	47°2	46°5	46°0	45°6	46°2	48°6	49°5	51°3
	12	47°0	45°7	45°3	44°6	44°6	44°7	44°4	44°1	45°0	45°4	47°8	50°4
	13	47°5	46°9	46°1	45°9	45°8	46°2	46°2	46°2	46°5	47°1	47°8	48°4
	14	49°3	48°4	47°5	47°2	46°7	46°9	47°0	46°8	45°5	47°5	47°5	49°5
	15	47°3	46°3	44°2	42°7	—	42°9	42°0	42°5	44°0	46°0	48°0	50°0
	16	51°2	50°3	48°5	—	—	—	—	—	—	—	—	—
	17	—	—	—	49°3	49°3	49°3	48°8	48°6	49°7	51°1	53°0	54°6
	18	55°3	55°1	54°7	52°6	52°7	52°4	52°5	52°9	54°0	55°0	55°2	55°6
	19	54°0	49°7	49°7	50°3	—	—	—	—	49°7	51°7	52°4	53°0
	20	52°9	52°0	50°7	50°5	49°3	48°4	48°7	48°2	49°0	50°4	51°4	52°7
	21	60°2	59°5	58°7	55°9	55°7	53°5	54°3	54°8	54°8	57°3	60°6	61°8
	22	50°8	49°7	49°7	49°7	49°4	48°6	48°4	48°6	49°7	51°4	52°5	53°8
	23	51°4	49°0	48°6	—	—	—	—	—	—	—	—	—
	24	—	—	—	53°0	52°8	52°8	52°8	52°5	52°7	53°5	53°7	54°3
	25	55°4	55°4	55°4	55°7	56°0	55°8	55°4	55°4	56°6	58°6	60°4	62°7
	26	59°0	58°4	57°4	57°0	56°4	55°7	55°2	57°7	59°7	61°7	61°9	61°6
	27	51°5	50°5	50°3	50°3	49°5	49°5	50°7	51°5	—	49°0	50°4	52°6
	28	51°7	47°9	47°9	48°0	48°3	—	47°6	48°2	49°9	50°4	52°6	54°4
	29	48°4	48°6	49°0	49°0	48°8	48°0	48°4	47°8	48°5	50°3	52°5	53°1
	30 ^a	53°6	53°7	52°2	—	—	—	—	—	—	—	—	—
	31 ^a	—	—	—	59°0	58°6	57°4	56°8	56°2	—	58°1	59°2	58°3
Hourly Means	41°48	50°64	49°95	49°45	49°63	49°10	48°94	49°08	49°78	51°02	52°25	53°25	

^a Not included in the means.

WET THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
59°3	61°6	63°5	62°4	65°0	64°6	66°0	66°2	63°6	61°8	60°4	58°6	57°17
57°4	59°0	57°8	59°6	58°4	57°3	58°8	57°8	58°5	57°4	55°7	55°8	56°06
54°6	54°3	54°5	54°0	57°2	54°0	54°2	52°3	52°0	49°7	49°0	47°6	51°90
—	—	—	—	—	—	—	—	—	—	—	—	50°62
52°0	53°7	52°8	53°0	53°1	55°3	55°7	56°2	53°2	52°8	51°4	50°4	50°35
50°7	52°6	53°6	54°3	56°7	55°1	54°5	57°0	53°7	50°3	50°3	49°6	49°82
51°0	52°1	52°0	54°7	55°6	54°8	54°8	53°4	53°2	49°8	48°4	47°2	45°31
45°6	44°3	45°9	46°3	45°9	46°4	46°3	48°3	45°3	44°4	43°2	43°2	48°12
52°6	52°5	54°7	54°5	54°7	53°4	53°3	53°5	42°4	50°1	49°2	48°4	49°99
51°2	54°8	55°0	54°4	55°2	55°0	53°0	49°4	58°2	45°0	43°5	42°9	49°80
—	—	—	—	—	—	—	—	—	—	—	—	52°72
50°9	54°9	56°8	57°2	55°5	60°1	59°0	54°9	54°2	52°8	52°0	52°2	53°58
54°6	54°9	56°3	55°3	56°8	54°8	56°2	55°2	52°0	52°2	51°9	51°9	50°72
53°7	54°8	54°5	56°5	56°2	57°2	57°0	56°7	56°2	53°7	53°4	51°7	53°30
50°4	50°6	52°4	54°3	—	55°4	56°3	55°7	55°3	55°4	49°9	47°2	63°44
55°6	58°2	59°5	61°3	61°4	61°8	61°2	59°1	62°0	62°0	58°0	59°4	56°25
65°7	66°5	68°8	67°7	68°9	69°2	67°7	68°8	68°4	67°0	67°3	66°7	49°85
—	—	—	—	—	—	—	—	—	—	—	—	49°11
55°5	56°1	57°4	58°3	58°8	58°2	58°0	57°0	53°8	51°7	49°7	49°2	51°68
52°5	53°1	53°9	55°7	52°5	52°8	51°7	53°1	52°2	50°6	47°7	47°0	52°91
51°3	52°3	54°2	55°5	53°8	53°3	52°9	51°3	48°6	48°5	49°0	49°2	51°16
54°0	54°0	53°6	54°8	55°5	54°5	54°0	52°4	52°2	51°6	51°9	51°5	50°4
53°5	55°3	57°1	55°4	56°6	56°3	—	56°6	54°6	54°4	50°7	50°4	51°16
50°5	51°5	53°0	55°3	55°0	56°3	56°8	56°0	59°8	55°0	54°9	54°3	55°96
—	—	—	—	—	—	—	—	—	—	—	—	55°20
56°2	56°7	58°0	60°9	60°3	60°4	59°7	60°6	61°5	59°8	58°0	55°0	56°30
55°6	56°6	57°6	59°7	58°3	57°5	58°2	58°5	58°7	57°7	55°3	54°4	52°39
57°0	58°9	59°9	63°2	63°4	63°8	63°6	64°0	64°0	62°0	58°9	59°0	55°87
52°4	53°5	54°9	55°9	56°2	56°3	57°0	57°0	56°0	55°7	53°0	52°5	—
58°9	60°9	62°3	63°4	64°2	62°5	58°5	57°7	57°5	56°0	54°6	54°2	—
53°95	55°14	56°15	57°06	57°41	57°17	56°98	56°49	55°66	54°13	52°59	51°90	52°68
56°3	56°5	56°8	57°4	56°5	56°4	55°4	54°8	52°1	50°6	51°0	51°0	54°48
—	—	—	—	—	—	—	—	—	—	—	—	55°42
55°9	57°6	57°4	58°0	59°6	58°4	58°5	58°3	59°1	56°5	53°7	52°4	50°93
52°5	53°8	53°3	53°8	53°0	53°0	52°7	49°8	49°8	48°8	47°9	47°4	46°50
49°6	48°0	49°0	48°2	48°0	47°2	46°8	47°8	47°3	47°4	45°6	45°6	48°01
50°3	50°7	51°9	52°8	52°9	52°2	55°9	53°7	55°3	53°8	51°8	50°8	51°81
52°0	52°9	54°2	55°7	55°0	54°0	55°0	53°8	55°4	54°4	53°2	51°2	54°45
55°7	56°1	58°3	59°2	60°0	60°8	62°8	58°5	58°3	57°2	57°0	55°5	51°38
—	—	—	—	—	—	—	—	—	—	—	—	50°25
50°2	50°5	51°7	52°4	54°2	53°9	57°8	58°1	55°5	54°2	52°8	51°8	48°91
52°4	52°9	54°3	54°0	53°7	53°8	52°5	54°3	53°0	50°3	48°6	48°2	50°60
51°0	52°5	51°9	51°0	52°9	51°7	50°5	55°4	54°9	53°2	51°0	48°8	49°66
49°8	52°3	54°1	53°4	54°0	54°8	55°4	59°0	59°3	55°4	55°3	50°9	49°70
50°4	50°5	52°4	51°9	51°8	54°3	53°9	55°6	53°4	51°5	49°0	47°4	54°03
51°5	52°5	54°5	54°6	55°3	54°9	55°7	53°9	55°7	54°5	52°3	51°8	56°31
—	—	—	—	—	—	—	—	—	—	—	—	54°23
56°5	58°5	59°7	59°8	61°0	59°3	56°3	55°7	56°3	57°4	56°7	55°7	55°86
57°0	58°0	59°1	61°0	59°0	58°7	60°3	60°4	59°2	57°2	56°3	56°3	58°65
53°3	55°3	54°5	56°4	55°4	59°6	58°0	59°8	56°6	56°4	55°0	53°8	52°83
55°2	57°7	59°9	62°0	62°8	63°9	62°9	62°1	62°9	62°0	62°2	62°8	54°59
64°3	64°4	62°0	61°3	60°7	61°7	61°9	61°7	61°0	56°1	53°7	51°7	59°28
53°3	55°4	56°2	55°3	57°0	58°4	58°4	58°0	56°2	53°8	52°0	51°5	59°27
—	—	—	—	—	—	—	—	—	—	—	—	52°44
55°5	56°1	56°7	59°8	58°0	57°5	57°6	57°3	57°2	56°4	55°5	55°4	53°31
62°8	61°0	61°8	62°3	63°0	63°6	62°0	61°6	61°5	60°8	60°2	—	52°80
61°1	62°9	60°4	59°0	61°2	61°8	61°2	62°0	63°2	58°4	56°4	53°2	—
52°7	54°7	55°3	56°8	60°7	—	55°9	55°2	53°2	51°7	50°4	51°2	—
54°9	55°8	57°3	59°0	60°2	62°0	57°4	58°0	56°3	56°4	51°6	50°3	—
54°5	55°4	55°7	57°6	59°6	58°2	57°8	55°6	55°7	56°0	55°0	53°7	—
—	—	—	—	—	—	—	—	—	—	—	—	—
58°3	58°0	59°7	—	—	—	—	—	—	—	—	—	—
54°35	55°28	55°94	56°51	57°02	57°09	56°90	56°82	56°34	54°82	53°37	52°02	53°02

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20
1842 Dec. 31	68	70	72	—	—	—	—	—	—	—	—	—
1	—	—	—	83	88	88	90	91	90	91	79	68
2	69	75	73	74	70	72	75	75	77	68	64	59
3	71	77	81	86	88	92	90	91	90	90	78	68
4	64	67	73	75	76	77	77	77	80	75	75	67
5	74	78	74	72	73	72	70	69	69	70	67	64
6	70	74	80	85	86	75	79	69	76	74	64	59
7	76	77	79	—	—	—	—	—	—	—	—	—
8	—	—	—	100	98	100	96	98	95	94	93	84
9	81	84	78	81	78	84	84	88	84	80	73	68
10	65	65	69	73	73	81	77	76	80	81	72	64
11	81	86	83	87	89	96	88	93	87	89	84	77
12	88	91	95	88	91	91	91	89	91	91	87	86
13	84	86	88	86	82	82	87	88	—	89	84	86
14	77	78	78	—	—	—	—	—	—	—	—	—
15	—	—	—	82	80	85	92	89	90	86	86	86
16	79	81	85	82	—	89	89	86	90	90	91	88
17	59	69	74	74	79	82	83	81	—	82	80	68
18	73	72	72	73	78	78	74	82	82	83	79	71
19	65	57	60	61	54	56	55	57	65	64	56	59
20	56	70	69	61	68	83	78	82	90	77	73	62
21	59	64	72	—	—	—	—	—	—	—	—	—
22	—	—	—	—	76	78	75	79	82	84	77	65
23	76	76	82	85	84	76	86	86	86	88	81	72
24	79	80	84	85	—	—	73	71	69	70	78	67
25	42	46	50	55	56	58	63	58	58	60	60	59
26	77	79	82	84	84	84	84	83	86	88	81	67
27	73	83	84	88	87	88	90	94	96	97	86	84
28	55	62	65	—	—	—	—	—	—	—	—	—
29	—	—	—	73	73	77	74	80	80	74	64	64
30	64	45	68	67	68	71	70	68	67	67	64	59
31	68	74	80	79	—	75	74	78	—	—	84	73
Hourly Means	70	72	76	78	78	80	80	80	81	80	76	70
1842 Dec. 31	In. .305	In. .310	In. .303	—	—	—	—	—	—	—	—	—
1	—	—	—	.375	.374	.363	.370	.364	.386	.410	.403	.389
2	.352	.375	.349	.354	.340	.338	.353	.353	.364	.326	.316	.318
3	.334	.350	.340	.343	.337	.358	.345	.346	.344	.344	.360	.363
4	.359	.361	.373	.375	.381	.377	.370	.361	.377	.379	.404	.411
5	.405	.393	.370	.371	.369	.364	.358	.349	.356	.372	.378	.372
6	.354	.352	.357	.353	.352	.309	.316	.284	.320	.312	.304	.303
7	.341	.343	.346	—	—	—	—	—	—	—	—	—
8	—	—	—	.396	.390	.381	.364	.363	.347	.345	.345	.318
9	.345	.356	.331	.310	.285	.296	.293	.298	.296	.305	.318	.336
10	.334	.317	.319	.320	.317	.344	.324	.316	.329	.357	.371	.368
11	.400	.421	.406	.410	.405	.430	.416	.430	.404	.429	.422	.424
12	.403	.412	.429	.416	.426	.426	.428	.422	.428	.431	.444	.453
13	.504	.509	.514	.500	.499	.492	.512	.514	—	.560	.547	.550
14	.325	.325	.320	—	—	—	—	—	—	—	—	—
15	—	—	—	.380	.371	.368	.389	.383	.392	.381	.387	.398
16	.346	.360	.372	.354	—	.379	.372	.358	.382	.395	.405	.403
17	.291	.290	.300	.300	.316	.322	.327	.319	—	.328	.342	.336
18	.310	.301	.298	.307	.328	.325	.312	.324	.324	.344	.359	.374
19	.414	.358	.361	.352	.307	.293	.289	.291	.324	.330	.312	.385
20	.262	.302	.287	.239	.251	.286	.264	.263	.293	.261	.292	.272
21	.250	.261	.287	—	—	—	—	—	—	—	—	—
22	—	—	—	—	.267	.269	.244	.252	.255	.279	.289	.287
23	.329	.320	.323	.333	.321	.299	.320	.315	.315	.333	.368	.374
24	.485	.466	.465	.460	—	—	.403	.398	.393	.408	.451	.458
25	.278	.284	.284	.300	.302	.311	.336	.297	.275	.284	.290	.306
26	.370	.375	.378	.376	.373	.369	.358	.350	.358	.387	.400	.398
27	.382	.393	.395	.403	.397	.390	.382	.395	.399	.425	.426	.467
28	.256	.278	.280	—	—	—	—	—	—	—	—	—
29	—	—	—	.333	.330	.340	.317	.316	.313	.317	.303	.312
30	.247	.194	.251	.238	.237	.242	.239	.229	.224	.231	.244	.237
31	.265	.278	.305	.310	—	.289	.278	.275	—	—	.321	.321
Hourly Means	.344	.345	.348	.354	.345	.345	.344	.339	.342	.357	.363	.364

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. FEBRUARY.	1	70	71	81	83	82	82	85	83	82	81	76	66
	2	62	76	76	78	77	82	83	88	89	81	86	87
	3	82	84	84	87	87	89	88	88	88	85	85	78
	4	81	74	72	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	63	62	62	64	59	66	66	63
	6	76	80	83	82	80	74	80	83	84	81	81	77
	7	76	80	86	89	96	92	93	91	91	96	91	78
	8	76	77	77	82	85	85	85	87	94	90	89	80
	9	92	95	95	94	88	93	93	94	97	93	93	87
	10	79	79	—	83	81	81	82	82	82	81	82	84
	11	82	84	87	—	—	—	—	—	—	—	—	—
	12	—	—	—	63	63	62	52	59	69	70	68	61
	13	85	87	87	78	73	73	66	71	75	75	77	75
	14	57	67	70	71	71	67	67	66	66	68	72	66
	15	61	64	64	66	68	67	69	73	73	75	74	67
	16	65	68	69	73	74	74	77	78	78	79	74	78
	17	96	90	93	91	96	87	87	93	—	96	95	92
	18	83	85	86	—	—	—	—	—	—	—	—	—
	19	—	—	—	93	91	89	88	87	95	86	86	79
	20	87	88	88	92	93	89	91	89	87	88	87	84
	21	82	83	83	79	79	81	81	83	—	83	81	78
	22	75	75	79	83	83	82	87	91	93	97	96	90
	23	84	85	88	89	90	89	88	89	91	92	88	84
	24	89	91	90	94	90	91	—	93	96	96	89	92
	25	82	80	85	—	—	—	—	—	—	—	—	—
	26	—	—	—	72	69	64	63	65	69	73	71	69
	27	67	69	69	72	67	67	71	71	73	72	75	69
	28	68	71	74	73	74	76	81	83	82	92	91	82
Hourly Means	77	79	81	81	80	79	79	81	82	83	82	78	
Tension of the Vapour. FEBRUARY.	1	In. .322	In. .324	In. .342	In. .350	In. .342	In. .332	In. .347	In. .338	In. .334	In. .342	In. .351	In. .335
	2	.415	.504	.395	.393	.377	.377	.371	.381	.372	.360	.418	.468
	3	.453	.452	.448	.455	.444	.460	.458	.459	.462	.465	.507	.510
	4	.562	.533	.539	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	.289	.289	.287	.294	.279	.303	.318	.324
	6	.364	.374	.393	.397	.371	.330	.330	.330	.324	.325	.339	.377
	7	.407	.398	.408	.405	.422	.392	.380	.372	.363	.392	.422	.427
	8	.504	.493	.480	.477	.491	.483	.461	.455	.472	.475	.500	.500
	9	.424	.436	.440	.444	.407	.413	.403	.403	.418	.423	.445	.468
	10	.399	.392	—	.413	.391	.387	.390	.394	.394	.392	.403	.425
	11	.442	.440	.444	—	—	—	—	—	—	—	—	—
	12	—	—	—	.434	.417	.395	.364	.348	.401	.412	.421	.426
	13	.475	.468	.460	.412	.359	.330	.277	.273	.281	.295	.320	.338
	14	.222	.243	.249	.253	.255	.242	.243	.241	.243	.251	.287	.291
	15	.264	.276	.270	.279	.279	.273	.278	.283	.286	.309	.330	.341
	16	.355	.363	.366	.373	.376	.376	.384	.382	.382	.389	.379	.420
	17	.408	.378	.387	.375	.379	.355	.346	.374	—	.407	.404	.421
	18	.380	.390	.390	—	—	—	—	—	—	—	—	—
	19	—	—	—	.437	.428	.420	.416	.410	.429	.405	.438	.429
	20	.410	.413	.387	.398	.417	.405	.412	.412	.404	.407	.407	.420
	21	.438	.437	.437	.426	.422	.432	.432	.441	—	.445	.447	.459
	22	.439	.439	.454	.468	.452	.418	.410	.412	.417	.441	.473	.491
	23	.512	.498	.493	.501	.498	.493	.484	.481	.480	.493	.490	.508
	24	.542	.530	.519	.535	.523	.532	—	.516	.532	.532	.521	.552
	25	.390	.351	.359	—	—	—	—	—	—	—	—	—
	26	—	—	—	.284	.262	.236	.224	.229	.237	.245	.248	.267
	27	.259	.264	.262	.270	.258	.257	.263	.263	.262	.267	.297	.298
	28	.304	.318	.330	.327	.330	.335	.326	.330	.307	.330	.372	.390
Hourly Means	.404	.404	.402	.396	.383	.374	.360	.367	.367	.379	.397	.412	

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.
21	22	23	0	1	2	3	4	5	6	7	8	
53	43	41	35	34	42	30	46	56	57	66	62	63
87	73	66	61	60	57	55	56	58	63	74	80	73
65	61	57	51	48	48	51	58	65	67	72	74	72
—	—	—	—	—	—	—	—	—	—	—	—	—
57	51	49	42	40	38	39	41	56	63	67	73	59
70	59	62	57	51	50	52	52	55	58	68	75	69
68	58	52	49	45	46	45	46	49	51	60	69	70
74	58	67	63	62	62	66	72	78	88	88	89	78
76	67	62	62	59	62	61	65	65	65	76	80	79
84	79	84	73	68	—	57	55	59	63	75	81	76
—	—	—	—	—	—	—	—	—	—	—	—	—
52	46	44	45	45	47	56	70	72	73	76	79	63
63	60	54	41	41	48	52	56	39	47	52	52	63
56	52	50	32	41	44	37	43	46	47	52	63	57
64	58	53	49	49	53	57	52	55	55	57	61	62
70	70	—	72	69	75	75	78	78	86	88	92	75
77	75	77	69	65	64	63	62	69	76	76	80	81
—	—	—	—	—	—	—	—	—	—	—	—	—
76	73	66	64	63	63	62	62	64	74	82	87	78
86	83	83	88	75	69	60	61	60	70	79	83	82
70	59	56	50	54	52	51	56	54	62	76	75	69
73	74	65	60	63	57	53	61	64	68	76	83	76
72	61	52	58	48	42	41	39	67	86	84	86	74
87	94	87	84	82	82	70	75	73	72	76	76	85
—	—	—	—	—	—	—	—	—	—	—	—	—
62	61	39	54	55	57	61	60	51	61	78	63	64
64	63	52	58	48	51	44	47	53	53	61	53	62
72	63	58	55	52	49	60	43	44	46	56	62	67
69	64	59	57	55	54	54	56	59	65	71	74	71
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·314	·301	·323	·329	·349	·421	·319	·413	·471	·454	·468	·406	·359
·484	·474	·468	·465	·465	·454	·440	·449	·459	·429	·449	·456	·430
·501	·498	·490	·480	·505	·509	·513	·505	·528	·534	·549	·552	·489
—	—	—	—	—	—	—	—	—	—	—	—	—
·318	·325	·350	·324	·326	·332	·362	·349	·362	·373	·374	·382	·356
·395	·368	·415	·413	·393	·404	·417	·419	·422	·397	·413	·416	·380
·433	·416	·424	·428	·426	·448	·456	·449	·455	·447	·469	·488	·422
·491	·445	·456	·447	·421	·421	·381	·374	·382	·413	·409	·409	·451
·473	·464	·467	·513	·456	·436	·421	·414	·418	·374	·395	·405	·431
·440	·441	·483	·484	·481	—	·462	·457	·462	·451	·467	·471	·431
—	—	—	—	—	—	—	—	—	—	—	—	—
·434	·443	·442	·465	·467	·462	·511	·582	·562	·549	·552	·534	·455
·323	·330	·325	·262	·252	·287	·285	·333	·220	·257	·241	·223	·317
·278	·272	·261	·190	·246	·277	·227	·260	·255	·257	·260	·293	·254
·376	·381	·401	·385	·388	·391	·408	·390	·400	·380	·358	·349	·336
·414	·453	—	·432	·401	·416	·400	·397	·382	·398	·393	·401	·392
·384	·369	·384	·401	·382	·376	·388	·354	·359	·364	·358	·371	·379
—	—	—	—	—	—	—	—	—	—	—	—	—
·434	·454	·437	·444	·450	·441	·421	·415	·403	·397	·410	·409	·420
·445	·441	·452	·484	·462	·465	·444	·470	·448	·436	·446	·449	·430
·459	·456	·456	·436	·480	·475	·482	·485	·444	·445	·490	·447	·451
·465	·495	·496	·454	·488	·476	·454	·461	·475	·471	·487	·514	·460
·514	·498	·463	·457	·493	·477	·488	·411	·501	·568	·547	·539	·495
·542	·570	·533	·512	·507	·512	·452	·451	·426	·419	·430	·395	·504
—	—	—	—	—	—	—	—	—	—	—	—	—
·263	·278	·223	·277	·300	·288	·284	·274	·246	·269	·382	·256	·278
·312	·333	·293	·318	·275	·300	·276	·308	·326	·308	·311	·251	·285
·392	·405	·414	·430	·440	·417	·492	·413	·399	·362	·373	·375	·371
·412	·413	·411	·409	·410	·412	·408	·409	·408	·406	·418	·408	·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	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. MARCH.	1	64	75	89	69	72	75	72	74	74	77	72	63
	2	73	80	80	87	88	89	86	84	92	92	86	70
	3	68	73	76	74	74	75	76	76	75	80	82	71
	4	56	63	60	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	68	69	68	63	65	66	72	64
	6	70	79	85	80	81	81	75	78	74	73	76	67
	7	89	85	84	91	91	90	93	93	91	94	—	78
	8	65	65	69	69	75	70	74	81	76	75	72	66
	9	65	57	64	63	64	72	66	60	—	61	59	57
	10	66	67	69	63	66	52	60	61	62	61	64	62
	11	62	57	60	—	—	—	—	—	—	—	—	—
	12	—	—	—	—	70	70	72	72	73	72	73	72
	13	62	62	64	75	60	73	75	78	—	85	84	80
	14	57	68	72	77	73	80	79	81	84	85	86	85
	15	79	81	78	76	83	82	86	87	87	92	92	89
	16	53	60	60	62	64	75	75	74	74	76	76	71
	17	63	64	72	67	67	70	72	73	74	76	78	83
	18	85	66	72	—	—	—	—	—	—	—	—	—
	19	—	—	—	75	74	75	81	78	77	81	83	79
	20	78	83	84	85	98	85	89	90	89	87	97	88
	21	73	78	81	79	86	86	88	93	93	95	98	—
	22	92	96	100	97	94	97	89	88	90	91	87	80
	23	40	52	53	55	59	83	87	82	82	84	88	92
	24	68	73	76	77	74	78	82	83	—	84	85	80
	25	72	77	77	—	—	—	—	—	—	—	—	—
	26	—	—	—	85	82	81	84	84	80	86	85	81
	27	79	81	86	88	90	93	92	95	95	94	93	94
	28	70	72	75	75	76	76	77	77	77	78	79	73
	29	71	78	78	78	79	81	78	79	78	81	82	80
	30	79	73	71	74	71	74	—	78	80	78	73	69
	31	70	71	77	76	68	76	81	83	82	83	86	80
Hourly Means	69	72	74	75	76	78	79	79	80	81	81	76	
Tension of the Vapour. MARCH.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
	1	.368	.408	.477	.371	.364	.369	.353	.353	.349	.361	.377	.358
	2	.369	.398	.354	.341	.325	.317	.307	.296	.330	.333	.326	.398
	3	.280	.289	.302	.300	.303	.309	.305	.300	.292	.313	.342	.327
	4	.280	.298	.277	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	.262	.267	.260	.241	.238	.238	.279	.270
	6	.289	.307	.333	.316	.319	.319	.309	.328	.306	.298	.341	.358
	7	.431	.415	.400	.408	.408	.389	.387	.387	.370	.376	—	.390
	8	.374	.366	.378	.369	.389	.356	.360	.387	.367	.375	.377	.379
	9	.382	.325	.333	.323	.336	.367	.331	.276	—	.258	.250	.251
	10	.303	.311	.325	.300	.321	.249	.282	.275	.268	.264	.274	.281
	11	.208	.188	.193	—	—	—	—	—	—	—	—	—
	12	—	—	—	—	.263	.263	.268	.270	.278	.282	.300	.313
	13	.214	.203	.204	.224	.180	.217	.227	.237	—	.244	.247	.279
	14	.198	.221	.228	.231	.205	.226	.219	.220	.221	.221	.235	.265
	15	.313	.322	.306	.288	.288	.281	.285	.276	.267	.283	.298	.331
	16	.292	.309	.308	.295	.292	.322	.326	.320	.317	.315	.332	.334
	17	.390	.388	.415	.396	.398	.404	.404	.395	.397	.403	.427	.437
	18	.376	.279	.281	—	—	—	—	—	—	—	—	—
	19	—	—	—	.305	.300	.303	.316	.308	.302	.310	.330	.338
	20	.352	.371	.373	.372	.384	.359	.366	.369	.363	.346	.402	.403
	21	.362	.382	.387	.375	.388	.388	.403	.410	.403	.400	.424	—
	22	.435	.435	.443	.445	.424	.428	.363	.343	.343	.344	.352	.356
	23	.279	.345	.343	.326	.344	.451	.460	.422	.424	.423	.431	.431
	24	.251	.265	.264	.272	.253	.273	.278	.280	—	.285	.299	.313
	25	.336	.354	.354	—	—	—	—	—	—	—	—	—
	26	—	—	—	.385	.381	.367	.371	.358	.339	.358	.343	.340
	27	.280	.277	.285	.282	.285	.296	.294	.307	.312	.312	.331	.369
	28	.408	.414	.420	.416	.420	.410	.414	.414	.414	.412	.435	.434
	29	.398	.404	.393	.390	.392	.393	.382	.382	.371	.386	.387	.402
	30	.485	.471	.462	.479	.475	.481	—	.466	.460	.435	.399	.412
31	.292	.299	.319	.315	.302	.312	.324	.343	.335	.332	.349	.371	
Hourly Means	.331	.335	.339	.341	.333	.338	.331	.332	.336	.330	.342	.352	

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.
21	22	23	0	1	2	3	4	5	6	7	8	
58	58	—	57	55	51	47	48	54	56	51	66	64
66	53	53	44	45	43	44	58	50	56	60	65	68
68	66	58	52	50	47	44	40	38	45	53	56	63
—	—	—	—	—	—	—	—	—	—	—	—	—
61	55	54	47	43	45	48	48	52	60	53	66	58
60	50	51	46	39	48	59	70	—	80	83	80	69
68	53	48	43	43	44	40	42	44	51	54	61	68
60	55	50	48	—	40	42	43	42	48	53	62	61
52	53	49	44	40	36	—	40	47	58	58	65	56
61	67	60	49	47	41	46	44	46	53	61	—	58
—	—	—	—	—	—	—	—	—	—	—	—	—
71	68	67	50	70	80	80	57	55	54	57	61	66
67	58	55	48	58	51	52	60	45	51	54	62	63
75	67	59	56	58	56	54	57	62	70	75	80	71
77	71	64	53	50	42	38	37	38	42	49	50	68
72	60	54	46	48	45	48	52	51	54	53	60	61
82	87	91	87	85	80	80	81	86	84	83	83	78
—	—	—	—	—	—	—	—	—	—	—	—	—
70	63	60	51	55	52	56	57	62	70	76	77	70
82	79	71	66	59	60	57	61	59	63	68	72	77
97	91	85	89	82	76	74	78	84	84	87	89	72
67	60	53	49	48	42	37	34	37	44	47	46	69
94	93	94	78	89	88	82	81	62	66	67	69	76
79	75	69	65	60	61	63	61	59	67	68	71	72
—	—	—	—	—	—	—	—	—	—	—	—	—
75	66	68	61	50	53	57	55	60	67	72	75	72
82	71	62	58	51	50	54	55	55	62	66	69	76
70	58	48	43	39	39	36	34	37	47	57	56	61
78	76	74	71	70	72	72	71	75	82	89	91	78
59	56	61	73	72	74	70	70	71	73	68	68	71
76	67	58	56	60	64	66	67	68	72	75	78	72
71	66	62	56	56	55	55	56	55	61	64	68	69
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·344	·356	—	·380	·387	·385	·367	·346	·360	·361	·304	·365	·368
·303	·364	·272	·265	·276	·271	·249	·311	·274	·276	·263	·274	·312
·332	·364	·378	·365	·361	·364	·336	·329	·290	·296	·302	·292	·320
—	—	—	—	—	—	—	—	—	—	—	—	—
·278	·280	·305	·294	·282	·307	·321	·310	·297	·309	·251	·296	·280
·358	·291	·402	·423	·412	·393	·379	·434	—	·441	·437	·413	·356
·413	·363	·360	·347	·344	·358	·344	·340	·327	·341	·328	·364	·373
·365	·366	·367	·361	—	·344	·337	·353	·350	·345	·357	·383	·365
·257	·275	·265	·246	·253	·225	—	·268	·278	·250	·274	·300	·289
·290	·314	·326	·271	·261	·233	·249	·220	·208	·200	·216	—	·271
—	—	—	—	—	—	—	—	—	—	—	—	—
·334	·337	·364	·289	·342	·339	·349	·268	·250	·221	·212	·219	·276
·263	·260	·248	·222	·279	·264	·272	·296	·225	·220	·210	·226	·237
·284	·282	·284	·275	·303	·309	·304	·307	·298	·303	·303	·313	·261
·343	·366	·370	·357	·365	·334	·320	·308	·295	·290	·303	·286	·311
·371	·369	·382	·375	·400	·371	·377	·405	·386	·384	·361	·386	·347
·407	·413	·421	·420	·427	·413	·396	·384	·394	·385	·380	·374	·403
—	—	—	—	—	—	—	—	—	—	—	—	—
·338	·338	·336	·310	·346	·334	·346	·328	·328	·342	·355	·350	·325
·400	·418	·390	·393	·385	·398	·408	·418	·383	·369	·370	·367	·382
·457	·459	·442	·493	·486	·487	·460	·478	·508	·495	·469	·439	·435
·341	·347	·352	·380	·412	·395	·370	·330	·336	·358	·355	·336	·376
·442	·440	·482	·433	·469	·423	·392	·387	·293	·291	·276	·270	·387
·322	·330	·338	·355	·334	·324	·341	·346	·321	·324	·323	·328	·305
—	—	—	—	—	—	—	—	—	—	—	—	—
·347	·319	·332	·325	·280	·292	·301	·292	·284	·285	·290	·275	·330
·374	·380	·390	·397	·395	·381	·412	·415	·396	·413	·408	·413	·350
·442	·459	·459	·434	·418	·431	·400	·361	·358	·386	·445	·417	·418
·412	·426	·445	·464	·472	·484	·476	·469	·450	·457	·465	·474	·424
·408	·427	·364	·379	·364	·353	·323	·314	·308	·309	·287	·284	·398
·388	·398	·405	·397	·389	·400	·388	·377	·363	·350	·334	·334	·351
·356	·361	·364	·357	·363	·356	·354	·348	·329	·335	·329	·338	·343

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20
Humidity of the Air. APRIL.	1	85	79	76	—	—	—	—	—	—	—	—
	2	—	—	—	—	73	72	73	76	—	—	83
	3	80	86	84	82	82	85	82	87	—	88	97
	4	89	89	90	91	94	94	93	91	94	94	100
	5	83	79	77	70	77	77	76	77	73	79	90
	6	79	86	77	87	90	83	88	88	—	91	87
	7	72	80	80	77	84	82	84	84	85	87	90
	8	87	89	93	—	—	—	—	—	—	—	—
	9	—	—	—	—	72	71	72	73	74	75	83
	10	89	87	92	92	95	96	97	94	97	96	96
	11	78	81	83	77	82	83	87	90	87	91	96
	12	85	90	86	88	91	91	92	89	89	91	88
	13	68	70	71	75	76	78	78	83	83	86	91
	14	94	97	97	98	95	97	97	94	88	94	96
	15	80	88	94	—	—	—	—	—	—	—	—
	16	—	—	—	—	73	73	73	74	73	71	74
	17	78	76	79	75	74	69	69	69	73	76	81
	18	72	72	75	75	80	80	78	77	81	81	86
	19	89	89	86	87	88	91	94	93	91	90	91
	20	67	68	68	72	84	87	88	90	82	74	76
	21	71	73	77	77	76	76	84	81	84	84	84
	22	72	75	79	—	—	—	—	—	—	—	—
	23	—	—	—	85	85	83	82	80	69	72	78
	24	76	76	76	75	82	80	89	85	82	82	82
	25	74	72	73	73	75	80	84	82	82	90	95
	26	76	79	78	72	75	82	84	81	83	82	83
	27	90	87	85	86	—	86	88	88	90	86	91
	28	85	85	91	92	100	97	91	94	97	94	94
	29	80	84	—	—	—	—	—	—	—	—	—
	30	—	—	—	94	94	91	95	85	89	90	90
Hourly Means	79	81	82	82	83	83	85	84	84	85	88	89
Tension of the Vapour. APRIL.	1	In. ·344	In. ·316	In. ·312	—	—	—	—	—	—	—	—
	2	—	—	—	—	·215	·212	·217	·225	—	—	·246
	3	·261	·284	·279	·268	·268	·274	·263	·267	—	·257	·287
	4	·309	·298	·293	·283	·297	·292	·280	·267	·270	·266	·295
	5	·291	·278	·269	·241	·252	·252	·249	·247	·224	·240	·277
	6	·279	·281	·252	·264	·264	·243	·248	·240	—	·232	·226
	7	·268	·285	·291	·259	·282	·272	·274	·269	·270	·271	·287
	8	·397	·392	·413	—	—	—	—	—	—	—	—
	9	—	—	—	—	·448	·435	·440	·442	·453	·466	·514
	10	·458	·432	·431	·424	·420	·411	·410	·389	·382	·373	·371
	11	·272	·271	·267	·245	·250	·255	·267	·270	·253	·256	·276
	12	·310	·328	·310	·309	·312	·307	·306	·303	·306	·317	·328
	13	·428	·416	·420	·424	·423	·428	·424	·414	·402	·386	·386
	14	·314	·327	·327	·329	·322	·325	·325	·298	·267	·292	·303
	15	·236	·247	·248	—	—	—	—	—	—	—	—
	16	—	—	—	—	·259	·254	·251	·258	·251	·246	·258
	17	·314	·311	·316	·306	·297	·281	·281	·281	·287	·299	·313
	18	·312	·314	·326	·323	·336	·333	·325	·317	·322	·318	·335
	19	·363	·357	·335	·333	·314	·320	·331	·333	·331	·331	·337
	20	·358	·361	·353	·367	·413	·404	·381	·378	·345	·308	·308
	21	·244	·237	·236	·231	·220	·210	·227	·218	·217	·217	·218
	22	·208	·215	·227	—	—	—	—	—	—	—	—
	23	—	—	—	·249	·249	·243	·239	·234	·200	·202	·210
	24	·206	·210	·212	·211	·214	·196	·206	·194	·191	·191	·191
	25	·212	·208	·209	·205	·207	·214	·224	·218	·204	·222	·234
	26	·257	·266	·258	·232	·236	·243	·240	·231	·241	·245	·246
	27	·280	·257	·249	·246	—	·248	·249	·254	·255	·239	·250
	28	·231	·229	·226	·224	·250	·250	·229	·233	·234	·233	·231
	29	·313	·314	—	—	—	—	—	—	—	—	—
	30	—	—	—	·316	·308	·297	·312	·288	·286	·290	·294
Hourly Means	·299	·297	·294	·286	·294	·288	·288	·283	·281	·279	·289	·307

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.
21	22	23	0	1	2	3	4	5	6	7	8	
—	—	—	—	—	—	—	—	—	—	—	—	71
77	73	73	64	64	58	53	56	59	63	73	72	
86	78	66	63	62	62	58	62	69	80	82	84	78
90	79	67	65	56	57	74	87	89	84	85	83	85
75	69	63	60	51	52	53	55	62	66	73	78	71
87	76	67	59	51	52	47	46	53	58	61	66	73
82	78	72	66	59	53	57	63	71	72	84	83	76
—	—	—	—	—	—	—	—	—	—	—	—	80
73	72	62	68	72	78	84	90	92	96	95	94	
97	97	97	88	77	77	82	79	86	84	81	81	90
91	75	70	68	64	62	62	66	68	73	81	82	79
91	84	70	72	61	59	57	58	61	65	63	67	78
93	92	93	94	96	93	91	95	94	92	91	95	86
91	78	72	64	62	64	58	62	72	79	77	79	83
—	—	—	—	—	—	—	—	—	—	—	—	73
69	66	67	70	69	67	66	65	68	69	70	78	
72	66	65	61	60	65	64	67	70	65	69	71	71
81	80	73	62	66	56	58	68	79	86	85	86	76
85	81	74	71	65	58	58	58	61	60	64	66	78
77	75	70	72	77	79	70	72	70	80	78	68	76
85	76	71	56	56	57	60	56	61	60	69	69	72
—	—	—	—	—	—	—	—	—	—	—	—	73
79	73	69	71	58	72	66	64	65	69	71	71	
82	76	81	77	77	72	72	73	73	73	73	76	78
82	84	80	72	76	68	64	65	73	76	81	78	78
76	81	78	76	75	76	80	81	74	72	77	85	79
92	89	86	73	69	62	63	64	70	76	79	86	82
94	92	87	79	68	65	66	65	72	73	76	78	85
—	—	—	—	—	—	—	—	—	—	—	—	78
91	82	78	70	65	58	57	56	57	60	66	68	
85	79	74	69	66	65	65	67	71	73	76	78	78
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
—	—	—	—	—	—	—	—	—	—	—	—	*278
*271	*295	*324	*290	*308	*297	*293	*291	*287	*273	*288	*267	
*320	*324	*302	*306	*324	*344	*332	*333	*334	*341	*326	*315	*301
*348	*363	*358	*373	*336	*327	*344	*349	*331	*293	*293	*291	*312
*289	*293	*294	*302	*276	*297	*305	*307	*308	*297	*291	*296	*278
*299	*315	*326	*326	*315	*333	*289	*260	*272	*267	*259	*271	*276
*330	*382	*404	*436	*444	*421	*432	*460	*467	*422	*446	*405	*350
—	—	—	—	—	—	—	—	—	—	—	—	*481
*508	*538	*512	*562	*543	*521	*504	*510	*497	*499	*498	*479	
*391	*408	*425	*413	*361	*346	*342	*319	*328	*313	*288	*288	*380
*320	*300	*308	*311	*309	*318	*314	*328	*312	*310	*316	*315	*290
*365	*400	*366	*400	*407	*452	*480	*476	*485	*470	*434	*432	*372
*391	*373	*372	*368	*367	*345	*334	*335	*331	*319	*320	*325	*380
*323	*302	*289	*277	*286	*314	*262	*263	*268	*280	*248	*239	*295
—	—	—	—	—	—	—	—	—	—	—	—	*272
*246	*246	*262	*288	*293	*292	*306	*348	*309	*293	*292	*320	
*344	*354	*360	*328	*321	*345	*330	*347	*334	*296	*304	*308	*316
*345	*361	*360	*345	*375	*320	*323	*351	*366	*379	*365	*361	*340
*368	*377	*405	*418	*423	*407	*391	*383	*388	*353	*360	*358	*361
*341	*350	*358	*350	*353	*343	*298	*295	*278	*305	*287	*243	*338
*258	*259	*276	*230	*218	*220	*222	*208	*211	*195	*211	*203	*226
—	—	—	—	—	—	—	—	—	—	—	—	*217
*230	*223	*221	*224	*188	*232	*208	*201	*193	*201	*198	*196	
*224	*219	*237	*231	*242	*221	*221	*219	*215	*208	*211	*215	*213
*270	*293	*296	*282	*318	*288	*278	*266	*276	*270	*284	*272	*251
*241	*277	*281	*286	*280	*281	*285	*283	*253	*231	*245	*264	*256
*273	*287	*307	*278	*285	*252	*252	*244	*241	*240	*237	*246	*258
*287	*329	*350	*356	*353	*359	*364	*352	*364	*333	*339	*320	*289
—	—	—	—	—	—	—	—	—	—	—	—	*327
*338	*362	*368	*374	*386	*366	*363	*340	*320	*311	*331	*336	
*317	*329	*334	*334	*332	*330	*323	*323	*319	*308	*307	*303	*306

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. MAY.	1	69	70	72	74	76	76	79	81	83	86	83	86
	2	64	63	68	69	69	70	71	71	76	78	83	85
	3	90	90	88	85	77	79	77	77	81	74	83	85
	4	80	78	81	84	88	88	88	84	88	90	94	96
	5	68	68	68	71	77	77	—	77	73	72	76	79
	6	77	81	81	—	—	—	—	—	—	—	—	—
	7	—	—	—	73	76	74	74	76	74	74	74	78
	8	74	72	78	77	74	74	75	76	80	78	78	82
	9	76	79	84	88	85	92	89	89	93	98	94	99
	10	93	90	90	91	94	92	94	97	—	100	100	100
	11	80	84	82	85	83	83	82	85	87	90	92	100
	12	93	98	98	98	95	88	92	94	—	92	94	100
	13	92	94	94	—	—	—	—	—	—	—	—	—
	14	—	—	—	91	90	90	88	87	90	90	92	94
	15	86	86	87	90	90	91	90	90	89	94	90	94
	16	91	93	88	85	82	79	81	82	83	85	86	82
	17	88	—	87	87	90	91	91	91	92	89	85	85
	18	85	89	88	85	92	90	94	92	88	94	94	97
	19	80	81	82	100	86	87	90	93	98	90	92	100
	20	88	87	87	—	—	—	—	—	—	—	—	—
	21	—	—	—	92	96	88	91	98	88	88	85	83
	22	77	79	82	82	77	83	86	—	—	90	90	87
	23	82	84	85	84	88	92	—	96	94	94	97	100
	24	87	89	87	86	87	86	89	91	92	94	92	88
	25	82	81	85	84	89	91	92	85	86	82	84	84
	26	70	70	73	73	73	72	73	70	72	72	73	73
	27	77	80	77	—	—	—	—	—	—	—	—	—
	28	—	—	—	97	97	97	97	97	94	97	98	100
	29	90	93	91	90	92	89	97	94	98	92	92	94
	30	88	93	91	94	86	86	88	89	91	92	94	94
	31	96	94	92	96	97	95	97	95	94	90	93	100
Hourly Means	82	83	84	86	86	85	87	87	87	88	88	91	
Tension of the Vapour. MAY.	1	In. .326	In. .322	In. .310	In. .316	In. .316	In. .307	In. .314	In. .327	In. .329	In. .331	In. .323	In. .338
	2	.342	.342	.349	.338	.337	.336	.333	.331	.335	.332	.343	.384
	3	.272	.376	.373	.371	.343	.343	.343	.340	.343	.293	.327	.353
	4	.413	.398	.397	.394	.390	.379	.373	.346	.340	.344	.353	.362
	5	.278	.268	.259	.260	.260	.256	—	.254	.235	.232	.239	.251
	6	.261	.271	.277	—	—	—	—	—	—	—	—	—
	7	—	—	—	.254	.258	.258	.258	.264	.256	.256	.256	.258
	8	.227	.215	.235	.234	.226	.225	.224	.229	.237	.235	.240	.275
	9	.239	.240	.248	.237	.229	.245	.234	.229	.237	.248	.244	.274
	10	.266	.257	.252	.244	.249	.239	.240	.241	—	.246	.243	.264
	11	.296	.308	.295	.295	.286	.280	.270	.274	.274	.270	.266	.303
	12	.320	.330	.338	.340	.323	.277	.273	.269	—	.252	.256	.268
	13	.274	.269	.270	—	—	—	—	—	—	—	—	—
	14	—	—	—	.280	.275	.275	.267	.250	.252	.252	.254	.261
	15	.304	.296	.283	.294	.294	.294	.292	.294	.287	.304	.285	.299
	16	.349	.360	.350	.344	.342	.338	.335	.321	.326	.334	.340	.339
	17	.366	—	.351	.352	.358	.357	.350	.349	.361	.363	.360	.368
	18	.315	.308	.288	.278	.300	.282	.284	.277	.255	.261	.254	.256
	19	.268	.268	.267	.314	.252	.248	.245	.253	.269	.251	.242	.272
	20	.238	.224	.221	—	—	—	—	—	—	—	—	—
	21	—	—	—	.266	.280	.251	.247	.265	.251	.251	.250	.252
	22	.249	.249	.250	.250	.237	.250	.255	—	—	.270	.268	.264
	23	.271	.274	.277	.275	.287	.297	—	.289	.280	.285	.293	.304
	24	.319	.322	.319	.315	.313	.305	.302	.302	.297	.304	.305	.304
	25	.323	.315	.315	.293	.312	.321	.328	.327	.339	.331	.343	.307
	26	.226	.225	.232	.232	.232	.230	.232	.224	.229	.230	.233	.240
	27	.249	.261	.252	—	—	—	—	—	—	—	—	—
	28	—	—	—	.253	.253	.253	.254	.254	.247	.245	.243	.254
	29	.256	.259	.252	.244	.244	.226	.233	.224	.230	.213	.207	.216
	30	.273	.310	.322	.346	.335	.335	.340	.333	.336	.338	.356	.361
	31	.388	.377	.358	.356	.352	.345	.338	.328	.315	.294	.284	.296
Hourly Means	.297	.294	.294	.295	.292	.287	.287	.284	.286	.280	.282	.293	

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.
21	22	23	0	1	2	3	4	5	6	7	8	
88	76	71	65	61	54	55	54	65	70	68	67	72
81	74	74	73	75	75	74	81	88	89	92	96	77
80	73	70	65	57	50	51	58	66	70	76	77	74
89	87	86	74	68	62	67	72	77	76	74	67	81
77	67	68	64	67	73	67	65	—	71	76	77	72
—	—	—	—	—	—	—	—	—	—	—	—	71
82	69	65	63	62	61	60	66	69	65	67	72	74
81	76	69	67	62	63	62	66	73	75	74	80	84
94	84	80	75	73	70	72	74	80	78	87	93	86
100	89	76	73	69	66	72	75	76	77	80	82	85
92	91	89	84	80	71	76	77	76	81	89	97	90
100	100	95	96	83	74	70	72	77	81	84	90	85
—	—	—	—	—	—	—	—	—	—	—	—	85
91	89	85	80	69	70	70	71	73	80	85	85	89
95	91	85	90	87	83	86	84	87	87	88	87	83
86	81	80	77	77	76	79	79	80	82	89	88	82
88	88	72	64	64	69	67	69	73	80	84	82	88
100	98	93	85	80	78	85	83	84	83	81	86	82
94	89	75	70	64	67	67	67	72	75	80	78	81
—	—	—	—	—	—	—	—	—	—	—	—	77
79	79	78	75	71	65	68	70	70	74	73	80	87
74	74	72	68	64	67	72	72	71	77	78	78	86
90	95	86	84	79	75	76	77	80	85	85	84	73
86	94	97	82	79	84	78	81	85	81	77	82	66
69	71	67	63	54	51	50	54	55	66	68	68	66
72	67	66	60	54	57	32	60	62	65	64	69	87
—	—	—	—	—	—	—	—	—	—	—	—	89
97	100	95	82	75	74	71	69	72	82	83	90	90
97	93	87	81	75	77	80	80	83	85	89	87	90
95	94	99	100	100	88	82	78	85	86	88	91	88
100	100	94	91	82	73	64	68	74	77	73	76	81
88	85	81	76	72	69	69	71	75	78	80	82	81
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·390	·402	·425	·428	·429	·405	·410	·374	·413	·403	·373	·365	·362
·402	·396	·435	·421	·424	·424	·409	·415	·418	·393	·388	·396	·376
·365	·386	·406	·430	·419	·382	·379	·409	·411	·414	·426	·421	·376
·405	·415	·436	·453	·447	·395	·419	·386	·380	·357	·344	·302	·384
·271	·249	·279	·266	·267	·289	·280	·272	—	·259	·266	·262	·261
—	—	—	—	—	—	—	—	—	—	—	—	248
·268	·245	·238	·231	·239	·239	·229	·238	·240	·220	·214	·223	·259
·290	·298	·293	·305	·294	·294	·278	·276	·279	·272	·258	·266	·267
·292	·293	·301	·303	·308	·306	·303	·300	·288	·269	·264	·272	·273
·303	·302	·294	·294	·293	·286	·300	·300	·289	·290	·291	·298	·317
·318	·358	·363	·385	·396	·353	·356	·350	·323	·312	·329	·349	·303
·276	·314	·321	·362	·361	·334	·319	·315	·302	·283	·274	·276	·293
—	—	—	—	—	—	—	—	—	—	—	—	·318
·281	·307	·333	·345	·327	·345	·347	·330	·311	·310	·315	·306	·351
·312	·329	·323	·348	·358	·343	·362	·346	·348	·346	·343	·338	·362
·352	·357	·371	·358	·367	·370	·382	·358	·354	·352	·366	·369	·297
·280	·413	·385	·371	·369	·385	·374	·369	·345	·336	·343	·321	·262
·278	·311	·319	·326	·329	·328	·344	·340	·321	·303	·284	·291	·262
·287	·300	·276	·274	·261	·263	·263	·352	·242	·237	·245	·228	·255
—	—	—	—	—	—	—	—	—	—	—	—	·257
·260	·273	·275	·278	·276	·250	·259	·259	·246	·253	·244	·264	·309
·249	·254	·261	·259	·253	·256	·266	·261	·251	·261	·269	·264	·336
·291	·355	·346	·358	·346	·337	·337	·330	·313	·326	·324	·315	·284
·309	·336	·397	·362	·363	·401	·383	·382	·384	·359	·342	·344	·235
·293	·300	·300	·285	·248	·235	·224	·214	·198	·218	·226	·226	·269
·262	·265	·276	·263	·233	·248	·154	·243	·234	·239	·223	·228	·315
—	—	—	—	—	—	—	—	—	—	—	—	·258
·262	·291	·307	·312	·308	·317	·301	·283	·262	·272	·259	·262	·364
·243	·263	·293	·300	·286	·294	·294	·285	·281	·278	·290	·276	·315
·387	·402	·419	·439	·451	·415	·384	·356	·382	·376	·373	·372	·269
·320	·331	·326	·336	·336	·312	·272	·260	·267	·262	·245	·251	·258
·309	·324	·333	·337	·333	·326	·320	·315	·311	·304	·301	·299	·304

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. JUNE.	1	82	82	83	83	82	83	81	85	85	83	83	82
	2	78	76	79	85	88	91	91	88	88	90	90	93
	3	74	74	70	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	92	90	90	89	88	91	90	94
	5	96	95	98	100	96	98	98	93	90	91	94	100
	6	79	74	75	74	73	76	76	79	76	73	79	74
	7	80	81	80	82	85	85	83	92	94	93	91	93
	8	74	78	80	80	79	80	81	84	81	80	80	85
	9	78	78	75	74	76	77	73	73	75	75	76	76
	10	75	78	79	—	—	—	—	—	—	—	—	—
	11	—	—	—	91	86	85	91	89	91	93	88	84
	12	98	95	92	86	88	88	86	86	86	86	85	89
	13	92	89	89	90	90	89	88	88	90	90	90	94
	14	76	85	85	88	91	90	88	88	90	91	91	90
	15	80	78	80	82	81	91	90	91	88	88	86	88
	16	93	94	95	91	91	90	91	91	91	91	93	94
	17	84	83	84	—	—	—	—	—	—	—	—	—
	18	—	—	—	88	91	93	94	96	91	96	91	91
	19	81	82	81	82	78	81	79	—	77	89	90	92
	20	80	77	80	76	77	80	77	78	78	76	73	80
	21	86	88	92	91	93	91	93	92	97	94	92	100
	22	75	80	80	83	82	80	81	82	85	88	80	82
	23	79	79	81	86	86	84	84	80	—	94	90	94
	24	94	96	94	—	—	—	—	—	—	—	—	—
	25	—	—	—	100	100	100	100	100	100	96	95	96
	26	100	100	100	100	—	100	98	98	100	100	100	100
	27	98	100	98	98	98	100	100	100	100	100	100	100
	28	98	100	100	100	100	96	100	98	100	98	100	100
	29	98	100	100	100	98	100	94	94	100	100	100	100
	30	96	100	94	93	98	97	100	100	100	100	94	100
Hourly Means	86	86	86	88	88	89	89	89	90	90	89	91	
Tension of the Vapour. JUNE.	1	In. .256	In. .248	In. .248	In. .246	In. .246	In. .246	In. .239	In. .251	In. .251	In. .246	In. .245	In. .239
	2	.255	.249	.251	.253	.260	.263	.254	.251	.250	.254	.253	.265
	3	.250	.247	.238	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	.302	.303	.295	.291	.283	.281	.277	.288
	5	.320	.314	.324	.330	.308	.309	.305	.286	.277	.273	.274	.290
	6	.248	.224	.218	.210	.206	.210	.208	.210	.196	.200	.213	.203
	7	.226	.224	.216	.217	.220	.215	.205	.216	.221	.220	.220	.232
	8	.264	.275	.285	.285	.276	.278	.286	.297	.298	.295	.293	.307
	9	.276	.276	.275	.279	.288	.297	.288	.293	.296	.294	.300	.300
	10	.275	.325	.324	—	—	—	—	—	—	—	—	—
	11	—	—	—	.330	.310	.295	.310	.298	.306	.324	.318	.304
	12	.355	.344	.326	.298	.298	.298	.301	.298	.296	.296	.288	.301
	13	.289	.275	.275	.270	.273	.278	.263	.263	.261	.263	.261	.278
	14	.216	.235	.233	.236	.250	.248	.247	.249	.257	.256	.256	.252
	15	.263	.255	.252	.248	.222	.235	.241	.254	.254	.254	.248	.258
	16	.246	.259	.264	.256	.254	.245	.241	.233	.229	.225	.230	.238
	17	.274	.263	.262	—	—	—	—	—	—	—	—	—
	18	—	—	—	.245	.245	.248	.255	.260	.243	.255	.233	.233
	19	.293	.286	.284	.286	.272	.278	.274	—	.272	.310	.310	.313
	20	.274	.272	.274	.258	.260	.268	.259	.264	.265	.248	.236	.253
	21	.246	.246	.256	.252	.248	.239	.240	.234	.244	.238	.233	.243
	22	.281	.294	.284	.288	.286	.279	.276	.270	.273	.287	.260	.258
	23	.242	.235	.232	.235	.235	.229	.224	.205	—	.219	.205	.210
	24	.273	.279	.273	—	—	—	—	—	—	—	—	—
	25	—	—	—	.327	.327	.330	.330	.327	.332	.320	.312	.316
	26	.283	.285	.282	.282	—	.282	.278	.281	.286	.290	.293	.297
	27	.289	.297	.294	.294	.292	.292	.290	.290	.290	.290	.295	.295
	28	.306	.308	.312	.312	.312	.306	.311	.306	.310	.301	.304	.300
	29	.306	.296	.290	.285	.279	.282	.260	.252	.258	.258	.260	.258
	30	.272	.279	.262	.242	.244	.238	.236	.236	.238	.238	.223	.228
Hourly Means	.272	.273	.271	.271	.269	.269	.266	.265	.267	.267	.263	.268	

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.
21	22	23	0	1	2	3	4	5	6	7	8	
91	90	82	79	65	64	62	64	66	71	77	77	78
96	98	84	87	78	70	71	74	77	76	79	76	83
—	—	—	—	—	—	—	—	—	—	—	—	89
93	93	92	94	86	87	90	91	89	90	96	98	89
96	95	92	86	81	75	77	76	77	76	77	87	89
73	73	73	66	67	64	63	64	69	81	81	81	73
97	87	83	80	72	73	76	73	75	77	78	76	83
84	87	75	69	63	65	66	68	71	72	75	78	76
75	73	71	66	67	—	66	67	71	74	77	76	73
—	—	—	—	—	—	—	—	—	—	—	—	86
90	88	82	83	79	81	80	82	90	84	96	96	87
91	87	78	84	80	81	81	82	88	83	92	91	82
92	81	81	75	70	64	60	63	68	66	76	90	83
90	87	86	77	74	72	72	72	71	81	76	78	84
89	88	88	80	78	76	78	78	86	77	80	88	87
91	94	81	78	80	75	73	78	82	83	83	83	88
—	—	—	—	—	—	—	—	—	—	—	—	78
100	100	89	90	82	78	81	78	74	82	85	85	76
91	81	75	69	64	64	68	68	71	71	77	82	89
81	75	72	69	68	64	68	72	73	82	85	81	89
97	100	100	95	95	88	80	75	70	72	73	75	77
94	78	75	70	69	69	67	66	67	69	73	77	86
96	100	94	84	81	79	75	79	78	91	92	94	95
—	—	—	—	—	—	—	—	—	—	—	—	99
100	100	97	89	89	94	82	82	87	90	95	100	99
100	100	100	96	100	96	100	98	100	98	100	100	99
100	100	100	96	100	98	100	98	98	100	98	93	99
100	100	100	97	92	100	—	98	100	100	100	100	96
100	100	95	89	94	90	92	89	88	94	96	96	98
100	100	98	98	100	94	96	100	100	100	100	100	98
93	91	86	83	80	78	77	78	80	82	85	87	86
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
.279	.305	.306	.316	.287	.288	.268	.262	.252	.260	.252	.252	.262
.284	.325	.302	.335	.332	.314	.301	.295	.284	.270	.275	.261	.276
—	—	—	—	—	—	—	—	—	—	—	—	.300
.292	.300	.310	.340	.328	.332	.340	.334	.317	.310	.320	.325	.292
.288	.299	.302	.307	.303	.279	.290	.273	.264	.260	.258	.276	.216
.208	.216	.222	.212	.226	.226	.218	.210	.213	.232	.226	.232	.248
.257	.263	.272	.294	.279	.290	.293	.278	.272	.274	.275	.270	.290
.321	.342	.328	.313	.293	.283	.286	.274	.265	.266	.269	.276	.302
.305	.317	.314	.317	.333	—	.331	.307	.311	.320	.318	.318	.333
—	—	—	—	—	—	—	—	—	—	—	—	.315
.344	.354	.351	.367	.355	.365	.361	.351	.357	.359	.358	.348	.263
.320	.341	.323	.347	.339	.339	.336	.315	.317	.280	.303	.296	.260
.301	.281	.291	.284	.278	.261	.236	.238	.224	.202	.216	.245	.266
.261	.270	.298	.286	.297	.292	.289	.273	.252	.280	.255	.261	.262
.273	.281	.303	.296	.308	.302	.311	.291	.301	.252	.236	.249	.280
.245	.275	.274	.269	.305	.297	.286	.291	.293	.288	.283	.272	.284
—	—	—	—	—	—	—	—	—	—	—	—	.264
.260	.302	.331	.333	.331	.317	.328	.314	.289	.293	.298	.306	.269
.317	.316	.302	.284	.279	.274	.271	.260	.257	.252	.262	.275	.273
.273	.281	.279	.284	.284	.267	.277	.271	.248	.254	.262	.235	.245
.239	.276	.293	.320	.323	.327	.310	.300	.290	.291	.284	.284	.301
.312	.276	.302	.289	.284	.284	.267	.254	.240	.238	.237	.242	.295
.217	.251	.273	.265	.283	.277	.269	.255	.242	.274	.270	.277	.273
—	—	—	—	—	—	—	—	—	—	—	—	.245
.324	.324	.326	.297	.299	.307	.265	.263	.260	.261	.271	.281	.301
.300	.312	.318	.317	.321	.310	.310	.299	.296	.285	.293	.293	.295
.311	.321	.324	.323	.328	.323	.328	.315	.315	.318	.314	.294	.305
.309	.308	.333	.333	.302	.336	—	.325	.319	.315	.309	.301	.312
.276	.296	.304	.293	.314	.306	.309	.291	.274	.283	.281	.276	.283
.241	.258	.262	.264	.287	.286	.290	.294	.295	.293	.295	.295	.262
.283	.296	.302	.303	.304	.299	.295	.286	.279	.277	.278	.278	.279

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. JULY.	1	100	100	100	—	—	—	—	—	—	—	—	
	2	—	—	—	100	100	100	100	100	100	100	100	
	3	100	96	94	91	93	91	98	100	100	100	98	
	4	100	100	100	100	100	96	96	100	93	100	98	100
	5	100	95	100	100	100	100	100	100	100	100	100	100
	6	96	97	96	100	100	100	100	100	100	98	100	100
	7	100	100	98	98	100	100	100	100	—	100	100	100
	8	92	85	85	—	—	—	—	—	—	—	—	—
	9	—	—	—	91	96	98	93	96	—	96	98	100
	10	100	100	100	100	100	100	100	100	100	100	100	100
	11	100	100	95	94	100	98	100	100	100	100	100	100
	12	93	94	94	96	88	88	98	94	92	87	83	84
	13	76	87	91	91	89	88	88	92	96	97	96	93
	14	94	97	94	94	97	100	97	100	98	100	88	100
	15	91	93	93	—	—	—	—	—	—	—	—	—
	16	—	—	—	98	94	94	97	100	92	90	91	90
	17	88	84	84	87	90	88	94	100	89	92	94	94
	18	94	92	94	97	97	97	94	98	—	92	94	97
	19	93	94	94	96	96	94	94	96	96	98	96	100
	20	94	98	100	100	98	98	100	98	100	98	100	100
	21	94	93	91	94	98	98	100	96	96	100	92	94
	22	93	90	94	—	—	—	—	—	—	—	—	—
	23	—	—	—	100	100	100	100	100	100	100	100	100
	24	96	97	100	100	98	98	100	100	100	100	100	100
	25	91	97	97	94	96	98	94	—	100	100	98	100
	26	81	79	84	81	82	81	78	80	80	85	90	90
	27	83	84	80	82	83	83	85	87	—	91	91	91
	28	78	76	76	76	77	78	77	77	74	74	73	73
	29	80	81	76	—	—	—	—	—	—	—	—	—
	30	—	—	—	73	75	78	77	76	78	81	81	84
	31	81	80	82	80	80	97	84	84	—	—	82	83
Hourly Means	92	92	92	93	93	94	94	95	94	95	94	95	
Tension of the Vapour. JULY.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
	1	.292	.292	.290	—	—	—	—	—	—	—	—	
	2	—	—	—	.260	.260	.260	.258	.258	.258	.258	.260	
	3	.308	.298	.293	.282	.285	.281	.306	.312	.308	.309	.319	
	4	.339	.336	.336	.334	.330	.320	.318	.320	.290	.297	.292	
	5	.336	.324	.328	.320	.320	.311	.300	.300	.293	.286	.288	
	6	.320	.317	.312	.314	.305	.300	.300	.297	.295	.290	.293	
	7	.316	.311	.306	.308	.300	.308	.304	.308	—	.312	.312	
	8	.262	.249	.249	—	—	—	—	—	—	—	—	
	9	—	—	—	.194	.201	.203	.191	.195	—	.188	.190	
	10	.228	.222	.223	.228	.228	.231	.236	.236	.241	.244	.253	
	11	.332	.330	.310	.289	.296	.283	.274	.274	.276	.269	.276	
	12	.291	.293	.294	.293	.260	.245	.257	.231	.224	.210	.203	
	13	.202	.218	.223	.218	.208	.202	.199	.201	.208	.210	.208	
	14	.261	.267	.260	.259	.262	.267	.250	.261	.262	.270	.240	
	15	.274	.278	.266	—	—	—	—	—	—	—	—	
	16	—	—	—	.262	.247	.238	.245	.254	.248	.245	.251	
	17	.257	.242	.242	.243	.244	.238	.256	.265	.233	.236	.240	
	18	.260	.256	.254	.255	.247	.248	.244	.249	—	.236	.241	
	19	.234	.236	.230	.226	.219	.211	.204	.206	.204	.204	.196	
	20	.205	.211	.220	.222	.217	.217	.220	.217	.220	.214	.220	
	21	.252	.240	.225	.226	.233	.232	.236	.226	.223	.228	.203	
	22	.228	.212	.209	—	—	—	—	—	—	—	—	
	23	—	—	—	.186	.184	.187	.187	.187	.185	.185	.184	
	24	.201	.197	.198	.193	.187	.187	.189	.187	.186	.186	.186	
	25	.231	.239	.237	.230	.226	.225	.203	—	.210	.212	.209	
	26	.237	.224	.224	.218	.215	.209	.201	.206	.206	.214	.232	
	27	.228	.231	.221	.223	.228	.228	.228	.231	—	.236	.248	
	28	.292	.286	.286	.286	.294	.299	.297	.299	.297	.300	.301	
	29	.316	.320	.311	—	—	—	—	—	—	—	—	
	30	—	—	—	.269	.255	.261	.252	.246	.240	.238	.228	
31	.208	.204	.204	.198	.196	.239	.213	.221	—	—	.224		
Hourly Means	.266	.263	.260	.251	.248	.247	.245	.247	.243	.243	.242	.248	

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.
21	22	23	0	1	2	3	4	5	6	7	8	
—	—	—	—	—	—	—	—	—	—	—	—	} 99
100	100	94	100	96	95	100	95	96	96	100	100	
100	98	100	89	93	92	95	98	100	100	100	100	} 97
100	98	97	92	91	91	91	91	91	92	90	97	
100	100	100	100	94	94	95	95	100	100	100	100	} 99
100	95	92	98	94	89	92	92	94	100	100	100	
100	100	100	98	94	93	87	88	91	90	90	100	} 97
—	—	—	—	—	—	—	—	—	—	—	—	
98	100]	100	94	92	88	83	86	87	92	93	94 }	} 93
100	100	100	100	100	100	100	100	100	100	100	100	
97	94	94	92	92	85	81	80	83	86	90	91	} 94
83	75	68	72	53	70	73	78	69	81	76	83	
96	97	83	88	82	82	88	90	82	91	97	94	} 90
100	98	98	95	90	79	75	81	82	87	89	91	
—	—	—	—	—	—	—	—	—	—	—	—	} 88
94	88	78	84	78	81	76	71	76	82	85	86 }	
90	90	90	85	79	81	86	89	89	90	92	92	} 89
94	98	91	89	84	77	77	80	78	82	88	89	
—	100	98	94	93	82	85	82	87	89	94	93	} 93
100	100	100	100	100	90	88	86	90	90	93	94	
100	100	97	93	82	80	87	86	85	88	90	87	} 96
—	—	—	—	—	—	—	—	—	—	—	—	
100	100	100	98	100	88	86	92	85	92	94	96 }	} 96
98	100	94	98	94	97	88	96	90	97	94	97	
94	100	100	98	86	84	78	74	80	77	85	85	} 92
85	86	94	91	88	92	82	80	76	79	87	81	
94	98	86	82	80	70	72	70	75	73	76	80	} 82
76	77	80	80	80	84	88	84	81	83	85	83	
—	—	—	—	—	—	—	—	—	—	—	—	} 78
87	76	76	80	73	79	80	75	78	74	79	77 }	
85	82	78	74	67	80	73	75	76	77	82	89	} 85
95	94	92	91	87	85	85	85	85	84	90	91	
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	} In.
—	—	—	—	—	—	—	—	—	—	—	—	
·278	·293	·290	·318	·323	·323	·333	·318	·310	·309	·309	·308 }	} ·289
·332	·335	·349	·319	·338	·332	·338	·343	·343	·343	·349	·346	
·324	·330	·347	·339	·342	·342	·333	·330	·322	·318	·306	·330	} ·324
·288	·304	·319	·335	·324	·324	·328	·316	·316	·328	·328	·330	
·308	·310	·301	·321	·309	·296	·297	·296	·296	·308	·312	·320	} ·313
·315	·312	·312	·311	·299	·296	·276	·267	·267	·263	·262	·282	
—	—	—	—	—	—	—	—	—	—	—	—	} ·298
·208	·228	·254	·261	·264	·261	·250	·250	·234	·231	·224	·218 }	
·316	·332	·344	·351	·351	·358	·352	·351	·346	·343	·341	·336	} ·226
·291	·286	·293	·294	·299	·288	·294	·282	·283	·285	·290	·287	
·204	·208	·192	·207	·184	·205	·212	·222	·192	·214	·202	·216	} ·291
·218	·238	·224	·267	·263	·270	·287	·293	·251	·261	·265	·260	
·293	·311	·317	·334	·346	·326	·306	·312	·295	·289	·290	·288	} ·290
—	—	—	—	—	—	—	—	—	—	—	—	
·275	·276	·258	·285	·272	·287	·270	·247	·240	·251	·248	·250 }	} ·228
·251	·271	·296	·302	·283	·282	·297	·304	·290	·274	·266	·262	
·256	·278	·292	·306	·305	·292	·291	·290	·256	·241	·240	·237	} ·259
—	·236	·254	·264	·282	·263	·269	·239	·222	·221	·218	·207	
·248	·258	·272	·282	·292	·280	·264	·247	·242	·238	·250	·252	} ·263
·232	·256	·262	·264	·253	·249	·260	·251	·246	·242	·238	·232	
—	—	—	—	—	—	—	—	—	—	—	—	} ·262
·188	·205	·220	·226	·261	·242	·239	·252	·217	·212	·209	·206 }	
·189	·211	·212	·248	·261	·281	·265	·280	·243	·252	·250	·253	} ·262
·213	·262	·282	·318	·285	·282	·284	·264	·264	·249	·262	·250	
·255	·255	·274	·258	·251	·274	·254	·236	·214	·217	·236	·228	} ·262
·292	·321	·314	·324	·332	·302	·305	·296	·303	·288	·291	·293	
·318	·333	·346	·362	·361	·381	·393	·364	·342	·340	·336	·329	} ·270
—	—	—	—	—	—	—	—	—	—	—	—	
·286	·258	·282	·262	·227	·246	·245	·227	·232	·206	·215	·209 }	} ·246
·251	·264	·272	·276	·244	·269	·247	·237	·226	·214	·216	·227	
·265	·276	·284	·294	·290	·290	·288	·281	·269	·267	·267	·267	} ·253
—	—	—	—	—	—	—	—	—	—	—	—	
·265	·276	·284	·294	·290	·290	·288	·281	·269	·267	·267	·267	} ·231
—	—	—	—	—	—	—	—	—	—	—	—	
·265	·276	·284	·294	·290	·290	·288	·281	·269	·267	·267	·267	} ·267
—	—	—	—	—	—	—	—	—	—	—	—	

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. AUGUST.	1	83	83	86	86	87	87	89	87	—	83	83	93
	2	84	85	87	87	94	82	94	94	93	94	94	98
	3	88	91	87	84	83	88	92	88	—	87	88	91.
	4	85	87	85	82	82	82	82	83	91	88	86	83
	5	76	74	75	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	84	84	81	81	81	83	82	83
	7	74	83	81	72	73	78	78	79	83	88	83	82
	8	76	78	78	78	83	78	68	71	—	—	72	75
	9	85	86	86	89	91	88	92	92	92	92	95	95
	10	97	98	97	91	95	95	94	96	100	100	100	100
	11	88	80	81	82	81	94	85	85	92	92	91	100
	12	78	82	82	—	—	—	—	—	—	—	—	—
	13	—	—	—	84	85	88	88	80	93	91	91	91
	14	85	90	93	96	96	—	97	100	98	94	98	100
	15	94	94	90	94	94	94	94	94	94	97	98	97
	16	92	93	91	92	96	100	100	100	—	93	84	83
	17	78	82	85	83	83	82	82	82	86	85	85	91
	18	77	80	83	85	84	84	87	89	—	87	92	92
	19	82	85	90	—	—	—	—	—	—	—	—	—
	20	—	—	—	77	75	83	87	90	90	82	86	98
	21	87	87	89	94	94	92	92	92	92	94	98	96
	22	81	86	80	82	81	75	73	75	81	86	90	92
	23	98	96	98	96	94	91	93	93	96	96	96	94
	24	80	81	81	85	85	90	86	92	94	94	96	98
	25	89	91	91	87	—	92	94	92	93	96	93	98
	26	80	80	80	—	—	—	—	—	—	—	—	—
	27	—	—	—	99	99	98	99	97	91	90	92	91
	28	74	78	82	83	83	81	84	82	89	94	94	91
	29	74	75	77	83	84	86	88	86	88	96	92	88
	30	80	84	79	73	72	76	75	76	75	74	74	71
	31	90	90	88	94	82	82	80	82	87	86	91	91
	Hourly Means	83	85	85	86	90	86	87	87	90	90	89	87
Tension of the Vapour. AUGUST.	1	In. .205	In. .200	In. .211	In. .206	In. .208	In. .203	In. .210	In. .210	In. —	In. .203	In. .202	In. .230
	2	.227	.222	.220	.213	.214	.189	.205	.202	.198	.198	.198	.218
	3	.269	.282	.273	.266	.259	.270	.280	.269	—	.264	.263	.278
	4	.272	.267	.262	.257	.255	.250	.244	.241	.270	.260	.255	.248
	5	.203	.194	.197	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	.231	.233	.232	.232	.232	.240	.242	.253
	7	.267	.266	.296	.268	.272	.276	.277	.278	.288	.294	.291	.299
	8	.282	.281	.281	.279	.294	.284	.260	.262	—	—	.279	.292
	9	.315	.317	.320	.330	.335	.332	.329	.327	.325	.319	.327	.331
	10	.340	.349	.345	.310	.327	.327	.294	.289	.298	.301	.302	.317
	11	.294	.263	.268	.264	.234	.259	.246	.246	.260	.254	.245	.282
	12	.269	.272	.266	—	—	—	—	—	—	—	—	—
	13	—	—	—	.276	.274	.277	.270	.236	.265	.268	.258	.268
	14	.276	.284	.281	.287	.284	—	.268	.268	.262	.244	.248	.262
	15	.268	.258	.241	.247	.242	.241	.241	.241	.233	.237	.242	.247
	16	.282	.281	.271	.264	.274	.285	.301	.297	—	.263	.235	.236
	17	.195	.199	.209	.207	.202	.202	.204	.206	.215	.215	.217	.251
	18	.245	.241	.243	.243	.231	.224	.229	.227	—	.211	.222	.233
	19	.250	.246	.246	—	—	—	—	—	—	—	—	—
	20	—	—	—	.235	.233	.244	.252	.256	.254	.226	.224	.263
	21	.220	.213	.214	.220	.215	.208	.200	.200	.198	.199	.210	.220
	22	.224	.233	.218	.220	.212	.206	.194	.192	.194	.201	.205	.222
	23	.323	.305	.308	.302	.288	.279	.281	.279	.286	.286	.286	.288
	24	.222	.220	.213	.217	.207	.212	.203	.204	.206	.202	.208	.224
	25	.334	.334	.334	.316	—	.308	.310	.294	.286	.287	.268	.286
	26	.343	.336	.333	—	—	—	—	—	—	—	—	—
	27	—	—	—	.422	.418	.415	.418	.413	.400	.395	.400	.398
	28	.246	.253	.254	.248	.250	.231	.234	.216	.232	.247	.258	.283
	29	.194	.194	.194	.199	.194	.193	.191	.185	.186	.191	.180	.177
	30	.185	.188	.181	.171	.168	.182	.186	.191	.192	.191	.197	.198
	31	.267	.267	.267	.283	.244	.242	.236	.241	.244	.233	.243	.252
	Hourly Means	.260	.258	.257	.259	.252	.253	.252	.248	.251	.247	.248	.261

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.
21	22	23	0	1	2	3	4	5	6	7	8	
91	82	75	76	73	74	71	68	72	85	83	88	82
98	93	87	77	80	77	70	67	77	82	85	86	86
92	85	84	79	79	80	80	82	78	78	82	80	85
86	80	75	64	68	61	73	72	73	76	78	79	79
—	—	—	—	—	—	—	—	—	—	—	—	—
80	—	—	74	69	70	72	75	81	81	81	78	78
76	75	71	66	65	65	63	64	64	71	71	76	74
70	67	72	74	76	76	76	81	84	83	80	80	76
95	100	90	80	72	72	75	77	78	82	87	95	87
100	100	100	100	94	89	94	91	91	96	93	95	96
98	89	83	73	68	67	65	68	70	74	79	81	82
—	—	—	—	—	—	—	—	—	—	—	—	—
96	93	83	78	78	69	74	75	81	81	85	85	84
100	100	89	90	82	74	69	75	80	81	85	93	90
98	96	100	88	76	76	74	77	82	85	89	90	90
85	71	66	61	68	58	68	63	71	72	81	79	81
84	79	74	73	69	62	63	65	65	70	74	76	77
94	90	79	76	68	69	69	67	69	74	79	81	81
—	—	—	—	—	—	—	—	—	—	—	—	—
98	92	83	74	71	73	76	71	73	75	72	83	82
98	90	84	80	70	64	60	61	72	70	77	81	84
94	82	78	78	72	70	75	67	73	89	95	95	81
91	89	90	89	87	85	86	81	74	73	77	76	89
98	94	86	91	85	81	81	79	76	84	90	86	87
96	97	91	77	70	59	64	62	67	80	74	78	84
—	—	—	—	—	—	—	—	—	—	—	—	—
91	91	81	73	78	74	69	68	73	73	72	71	84
83	78	77	70	62	—	63	63	65	74	76	82	79
78	66	87	81	73	93	92	81	79	78	73	73	82
75	79	77	80	82	80	78	78	82	83	83	85	78
96	87	78	76	74	75	77	72	77	82	87	92	84
90	86	82	78	74	73	73	72	75	79	81	83	83
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·242	·239	·234	·246	·244	·249	·243	·228	·221	·243	·230	·238	·224
·244	·259	·276	·258	·265	·260	·251	·233	·253	·262	·267	·269	·233
·300	·298	·302	·281	·281	·280	·283	·290	·269	·261	·272	·263	·276
·269	·268	·275	·258	·254	·247	·249	·242	·223	·227	·217	·215	·251
—	—	—	—	—	—	—	—	—	—	—	—	—
·259	—	—	·297	·287	·292	·287	·281	·286	·286	·290	·277	·254
·288	·314	·311	·302	·309	·305	·297	·284	·270	·283	·274	·284	·287
·299	·300	·306	·315	·316	·323	·316	·320	·327	·326	·315	·307	·298
·327	·372	·368	·350	·343	·332	·343	·342	·339	·332	·327	·340	·334
·318	·330	·355	·373	·371	·345	·352	·353	·349	·346	·332	·329	·331
·315	·320	·326	·313	·303	·308	·293	·299	·289	·278	·283	·281	·297
—	—	—	—	—	—	—	—	—	—	—	—	—
·309	·332	·337	·334	·355	·333	·339	·336	·341	·312	·315	·296	·297
·276	·296	·310	·343	·344	·329	·303	·311	·305	·287	·272	·271	·287
·256	·272	·327	·331	·318	·324	·321	·319	·320	·315	·296	·285	·276
·251	·219	·221	·209	·240	·204	·228	·197	·210	·204	·216	·203	·243
·256	·266	·281	·294	·292	·268	·269	·263	·243	·243	·246	·246	·237
·258	·282	·278	·285	·268	·282	·283	·273	·262	·255	·266	·262	·252
—	—	—	—	—	—	—	—	—	—	—	—	—
·281	·301	·279	·268	·265	·281	·287	·263	·251	·238	·219	·223	·254
·246	·259	·271	·285	·276	·261	·252	·248	·267	·236	·234	·235	·233
·256	·260	·275	·302	·289	·309	·346	·308	·302	·333	·339	·335	·257
·291	·293	·305	·302	·305	·302	·307	·284	·253	·233	·238	·224	·285
·248	·284	·285	·336	·336	·329	·328	·325	·300	·315	·337	·322	·262
·312	·345	·360	·350	·367	·319	·349	·320	·322	·352	·314	·332	·322
—	—	—	—	—	—	—	—	—	—	—	—	—
·408	·416	·386	·318	·317	·309	·296	·288	·289	·272	·262	·252	·354
·291	·294	·314	·309	·291	—	·259	·235	·224	·224	·216	·222	·254
·174	·158	·206	·190	·184	·224	·214	·190	·189	·182	·169	·170	·189
·215	·235	·240	·258	·272	·268	·261	·256	·253	·255	·250	·253	·219
·286	·276	·268	·273	·272	·281	·290	·261	·256	·260	·260	·274	·262
·277	·288	·296	·296	·292	·291	·291	·280	·275	·273	·269	·267	·269

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. SEPTEMBER.	1	94	91	91	88	89	91	91	94	98	100	98	97
	2	78	77	77	—	—	—	—	—	—	—	—	—
	3	—	—	—	76	78	83	82	86	84	82	88	86
	4	78	81	80	84	—	79	88	88	88	88	100	98
	5	94	94	97	94	93	94	94	96	96	92	98	100
	6	91	93	94	91	93	91	94	92	94	98	100	100
	7	82	85	88	88	86	89	89	92	93	92	98	100
	8	75	74	73	72	—	81	89	87	89	92	90	86
	9	70	72	78	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	83	82	88	84	82	85	91	100
	11	67	74	79	83	82	81	77	84	81	86	91	90
	12	69	78	81	78	82	80	82	84	85	86	85	88
	13	94	94	97	94	94	94	94	94	97	96	98	97
	14	75	75	75	75	80	81	82	82	83	85	89	83
	15	69	73	79	81	75	74	75	82	76	74	75	67
	16	75	77	79	—	—	—	—	—	—	—	—	—
	17	—	—	—	—	90	93	92	92	92	94	98	98
	18	87	87	90	87	88	88	94	94	94	97	100	98
	19	91	94	89	90	91	80	94	98	98	96	93	90
	20	72	75	74	75	—	78	81	85	88	90	98	88
	21	68	70	77	77	79	78	82	82	84	89	81	74
	22	71	71	75	73	74	75	77	82	91	82	75	64
	23	66	72	75	—	—	—	—	—	—	—	—	—
	24	—	—	—	85	90	86	82	82	86	85	88	85
	25	68	70	71	70	67	67	67	67	69	72	77	77
	26	67	66	66	65	65	66	67	69	77	72	73	72
	27	48	45	38	42	42	41	38	41	43	44	47	51
	28	83	86	91	81	86	85	83	78	78	73	86	86
	29	65	68	73	77	—	74	77	82	81	87	91	78
Hourly Means	76	78	79	79	81	80	82	84	85	85	88	86	
Tension of the Vapour. SEPTEMBER.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
	1	.276	.264	.262	.240	.228	.223	.213	.220	.232	.236	.239	.245
	2	.266	.253	.247	—	—	—	—	—	—	—	—	—
	3	—	—	—	.210	.208	.214	.210	.223	.218	.216	.235	.252
	4	.222	.214	.211	.210	—	.192	.203	.199	.194	.192	.228	.241
	5	.246	.243	.247	.240	.229	.225	.220	.220	.219	.208	.226	.247
	6	.233	.234	.230	.219	.219	.210	.212	.204	.205	.217	.229	.242
	7	.254	.250	.249	.240	.233	.232	.227	.224	.228	.226	.244	.264
	8	.226	.221	.215	.208	—	.208	.229	.228	.233	.244	.243	.247
	9	.236	.228	.240	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	.280	.278	.296	.282	.270	.272	.278	.332
	11	.219	.226	.236	.244	.239	.237	.220	.233	.219	.223	.239	.263
	12	.203	.216	.218	.206	.211	.205	.206	.213	.213	.212	.220	.241
	13	.250	.249	.251	.244	.239	.238	.231	.228	.231	.228	.231	.230
	14	.200	.198	.197	.197	.205	.208	.212	.210	.210	.215	.237	.234
	15	.203	.215	.224	.226	.206	.200	.194	.204	.193	.190	.192	.179
	16	.197	.198	.196	—	—	—	—	—	—	—	—	—
	17	—	—	—	—	.212	.212	.208	.208	.204	.205	.223	.246
	18	.264	.264	.276	.258	.251	.242	.259	.259	.256	.266	.278	.307
	19	.311	.314	.293	.288	.286	.263	.277	.275	.279	.277	.281	.288
	20	.227	.236	.231	.228	—	.232	.238	.244	.247	.243	.281	.274
	21	.238	.234	.256	.252	.255	.250	.262	.263	.267	.293	.290	.281
	22	.260	.246	.250	.237	.237	.236	.237	.244	.271	.249	.230	.213
	23	.182	.192	.196	—	—	—	—	—	—	—	—	—
	24	—	—	—	.244	.252	.250	.238	.239	.252	.253	.290	.304
	25	.250	.252	.259	.260	.257	.260	.264	.267	.273	.282	.314	.337
	26	.310	.303	.303	.293	.290	.291	.294	.286	.306	.290	.302	.310
	27	.300	.297	.256	.277	.276	.271	.261	.267	.266	.278	.294	.320
	28	.347	.338	.356	.321	.322	.317	.308	.280	.277	.262	.307	.313
29	.209	.208	.215	.218	—	.208	.212	.220	.216	.230	.244	.233	
Hourly Means	.244	.242	.243	.242	.244	.236	.237	.238	.239	.240	.255	.266	

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.
21	22	23	0	1	2	3	4	5	6	7	8	
98	87	79	76	70	67	72	71	76	78	83	81	86
—	—	—	—	—	—	—	—	—	—	—	—	74
82	75	67	66	62	60	52	59	63	72	73	78	84
91	79	73	63	64	79	89	83	86	90	93	90	87
97	93	87	74	70	69	73	69	71	76	82	84	91
97	94	78	90	91	81	85	86	88	87	84	88	82
96	86	70	85	72	63	67	60	65	70	74	71	73
79	81	73	52	57	62	45	56	64	64	65	70	73
—	—	—	—	—	—	—	—	—	—	—	—	73
94	87	68	57	51	62	58	54	57	62	63	62	76
77	78	76	75	74	63	63	69	71	67	71	75	79
85	75	55	64	64	73	67	88	93	92	93	90	81
100	88	70	68	58	57	55	47	60	59	68	72	76
86	69	—	71	71	71	67	67	67	78	71	75	69
67	63	69	58	57	61	61	56	62	61	68	73	81
—	—	—	—	—	—	—	—	—	—	—	—	81
97	84	75	68	62	65	62	67	69	73	80	83	81
83	74	62	61	59	59	62	68	69	80	86	88	84
92	83	76	76	71	70	76	81	76	75	66	67	72
78	69	62	61	57	55	52	54	55	56	60	60	71
68	67	59	77	50	52	55	61	68	69	69	72	66
59	57	67	59	61	67	64	36	40	53	56	62	70
—	—	—	—	—	—	—	—	—	—	—	—	70
82	65	61	52	50	48	50	53	56	61	63	63	65
82	68	55	59	56	55	50	51	54	59	64	67	58
70	68	63	60	44	40	38	32	34	36	44	49	53
52	54	50	50	49	66	70	74	71	68	76	81	74
80	83	61	52	68	73	70	64	59	59	60	60	72
76	73	69	71	67	62	64	63	58	60	68	71	75
83	76	68	66	62	63	63	63	65	68	71	74	75
In. .275	In. .278	In. .279	In. .288	In. .295	In. .295	In. .318	In. .307	In. .310	In. .288	In. .298	In. .283	In. .266
—	—	—	—	—	—	—	—	—	—	—	—	236
.272	.279	.276	.263	.252	.248	.211	.221	.221	.235	.223	.225	237
.253	.255	.264	.248	.260	.274	.287	.280	.261	.257	.254	.251	248
.267	.280	.299	.274	.262	.273	.292	.270	.248	.241	.239	.229	256
.255	.293	.268	.301	.324	.298	.304	.301	.298	.289	.271	.283	246
.295	.299	.258	.298	.273	.246	.256	.218	.222	.219	.227	.214	249
.245	.298	.320	.271	.287	.301	.219	.260	.274	.254	.243	.245	278
—	—	—	—	—	—	—	—	—	—	—	—	239
.352	.390	.366	.341	.272	.204	.282	.250	.247	.246	.241	.219	230
.247	.254	.249	.256	.278	.250	.242	.262	.259	.220	.219	.217	226
.262	.254	.215	.255	.233	.251	.215	.252	.257	.254	.258	.241	224
.260	.362	.229	.234	.206	.202	.209	.177	.207	.187	.196	.193	202
.247	.232	—	.259	.260	.257	.238	.228	.226	.250	.219	.222	240
.191	.193	.223	.194	.194	.225	.222	.198	.205	.182	.190	.196	277
—	—	—	—	—	—	—	—	—	—	—	—	289
.269	.282	.276	.276	.267	.282	.268	.267	.259	.251	.258	.256	256
.306	.299	.269	.278	.279	.274	.281	.287	.280	.296	.310	.311	277
.308	.308	.303	.323	.327	.305	.316	.321	.296	.271	.221	.214	289
.272	.262	.259	.275	.282	.279	.272	.267	.249	.235	.233	.332	256
.302	.303	.286	.416	.270	.279	.264	.272	.288	.284	.271	.266	277
.198	.207	.234	.223	.239	.249	.254	.144	.144	.177	.176	.182	222
—	—	—	—	—	—	—	—	—	—	—	—	254
.324	.289	.275	.266	.264	.262	.258	.258	.254	.258	.250	.240	304
.395	.367	.330	.337	.339	.355	.318	.323	.310	.312	.320	.316	314
.326	.364	.387	.416	.346	.335	.332	.320	.272	.262	.295	.310	319
.344	.382	.359	.365	.332	.400	.408	.364	.340	.314	.335	.344	289
.305	.326	.284	.261	.296	.314	.303	.272	.226	.211	.205	.202	226
.227	.230	.232	.259	.265	.250	.236	.244	.218	.202	.214	.212	256
.280	.287	.281	.287	.276	.276	.272	.262	.255	.248	.246	.248	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	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air.	Sept. 30	75	72	72	—	—	—	—	—	—	—	—	
	1	—	—	—	—	—	81	79	78	76	78	82	73
	2	68	73	78	80	83	89	87	90	88	89	97	85
	3	81	84	79	96	71	71	66	64	67	69	69	70
	4	59	61	62	66	72	73	73	79	94	97	82	92
	5	69	72	71	72	67	74	77	72	78	81	80	80
	6	69	70	73	77	76	81	81	80	82	83	85	77
	7	78	85	84	—	—	—	—	—	—	—	—	—
	8	—	—	—	82	85	84	87	88	82	83	76	71
	9	58	70	81	83	83	83	87	90	88	91	93	91
	10	83	79	85	89	92	93	93	93	92	96	96	98
	11	70	78	69	72	67	67	67	66	67	77	80	70
	12	60	64	64	73	74	77	80	79	78	81	79	68
	13	65	78	65	65	72	66	69	71	75	85	80	72
	14	63	68	72	—	—	—	—	—	—	—	—	—
	15	—	—	—	99	83	81	87	87	92	93	92	92
	16	70	71	73	74	77	80	78	74	79	81	75	66
	17	65	69	73	71	75	76	78	80	77	78	79	79
	18	54	62	62	62	65	64	68	69	66	67	54	53
	19	60	68	63	72	75	82	79	84	78	89	90	73
	20	83	88	87	88	87	88	90	—	90	83	84	80
	21	84	90	91	—	—	—	—	—	—	—	—	—
	22	—	—	—	65	65	65	68	71	76	74	70	62
	23	67	64	66	64	—	68	72	70	—	72	72	73
	24	69	70	71	63	58	59	58	51	48	58	71	51
	25	60	62	64	67	72	79	77	79	84	86	79	78
	26	58	61	65	65	69	67	72	75	78	84	81	92
	27	79	76	75	68	71	65	66	66	71	70	71	70
	28	77	80	81	—	—	—	—	—	—	—	—	—
	29	—	—	—	78	82	80	78	81	83	88	78	78
	30	68	71	76	75	75	77	77	82	82	80	80	79
	31	68	67	70	73	—	77	78	80	80	82	76	70
Hourly Means	69	72	73	75	75	76	77	77	79	81	80	76	
Tension of the Vapour.	Sept. 30	In. .219	In. .205	In. .203	—	—	—	—	—	—	—	—	
	1	—	—	—	—	—	.220	.221	.217	.218	.223	.253	.264
	2	.212	.215	.214	.204	.207	.218	.204	.212	.211	.219	.262	.267
	3	.288	.289	.279	.342	.245	.241	.224	.223	.236	.246	.251	.300
	4	.309	.313	.310	.315	.336	.342	.345	.368	.406	.405	.354	.393
	5	.237	.236	.230	.228	.218	.231	.237	.219	.237	.247	.247	.278
	6	.200	.201	.204	.212	.208	.214	.214	.211	.215	.218	.249	.257
	7	.302	.318	.316	—	—	—	—	—	—	—	—	—
	8	—	—	—	.296	.293	.280	.275	.282	.269	.277	.273	.267
	9	.277	.322	.344	.341	.330	.327	.338	.348	.344	.360	.353	.346
	10	.288	.252	.255	.258	.255	.256	.248	.249	.242	.256	.296	.338
	11	.330	.355	.288	.276	.247	.238	.228	.226	.227	.257	.286	.289
	12	.206	.205	.196	.209	.205	.205	.206	.200	.199	.212	.235	.237
	13	.243	.278	.229	.218	.225	.194	.195	.188	.193	.228	.244	.245
	14	.242	.259	.257	—	—	—	—	—	—	—	—	—
	15	—	—	—	.240	.207	.199	.211	.210	.228	.239	.246	.267
	16	.272	.270	.276	.274	.280	.285	.278	.260	.273	.281	.297	.291
	17	.272	.280	.285	.273	.284	.286	.290	.295	.285	.296	.307	.330
	18	.242	.268	.263	.255	.257	.249	.260	.260	.238	.242	.198	.206
	19	.203	.206	.189	.199	.195	.200	.183	.195	.185	.228	.266	.249
	20	.277	.287	.281	.283	.276	.274	.275	—	.282	.280	.294	.292
	21	.314	.325	.320	—	—	—	—	—	—	—	—	—
	22	—	—	—	.201	.206	.195	.199	.205	.226	.223	.233	.226
	23	.258	.237	.236	.223	—	.235	.242	.235	—	.250	.257	.265
	24	.293	.292	.288	.285	.269	.285	.294	.268	.269	.318	.372	.264
	25	.227	.229	.229	.220	.222	.233	.224	.222	.231	.253	.260	.299
	26	.308	.304	.312	.292	.293	.280	.279	.279	.287	.327	.332	.398
	27	.305	.286	.278	.240	.247	.224	.216	.210	.218	.220	.243	.274
	28	.292	.296	.293	—	—	—	—	—	—	—	—	—
	29	—	—	—	.204	.208	.207	.204	.212	.220	.245	.229	.242
	30	.212	.217	.226	.223	.220	.232	.233	.248	.254	.269	.272	.282
	31	.254	.246	.251	.254	—	.253	.259	.262	.263	.275	.293	.314
Hourly Means	.262	.266	.261	.253	.247	.245	.244	.242	.248	.263	.274	.285	

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.
21	22	23	0	1	2	3	4	5	6	7	8	
—	—	—	—	—	—	—	—	—	—	—	—	} 66
69	61	55	53	49	55	48	49	56	66	63	66	
80	70	61	58	52	51	55	57	59	67	74	76	74
59	55	44	38	48	41	38	36	40	45	53	51	60
90	92	81	69	70	57	48	50	47	43	66	70	71
70	58	55	71	52	68	64	50	48	53	64	66	67
71	66	77	55	54	56	52	54	60	65	72	75	70
—	—	—	—	—	—	—	—	—	—	—	—	} 67
66	62	57	53	42	47	43	43	50	57	55	56	
86	79	78	76	69	64	64	63	66	75	80	82	78
82	68	59	54	50	49	51	53	55	61	66	66	75
60	58	62	51	53	44	40	36	37	43	51	58	60
67	58	52	42	59	59	37	49	51	58	64	73	64
63	61	56	40	49	48	42	46	41	52	62	58	62
—	—	—	—	—	—	—	—	—	—	—	—	} 77
88	86	80	76	73	63	53	60	59	68	71	69	
63	59	53	54	57	50	46	41	41	58	59	64	64
75	62	63	55	49	49	46	46	42	51	51	57	64
50	43	47	36	37	26	29	39	39	46	53	60	52
62	57	59	55	55	56	59	57	64	69	78	79	69
69	63	49	47	40	42	73	68	74	75	81	83	74
—	—	—	—	—	—	—	—	—	—	—	—	} 62
57	56	47	42	51	47	45	47	49	55	60	63	
74	71	80	76	66	57	59	58	56	54	66	63	67
56	56	48	50	35	—	47	42	44	44	47	53	54
70	62	56	48	43	51	48	44	30	—	44	51	62
82	69	70	69	64	61	77	85	88	81	85	75	74
60	58	61	57	61	67	58	53	52	67	72	80	66
—	—	—	—	—	—	—	—	—	—	—	—	} 74
88	78	72	75	57	69	59	61	52	58	61	69	
70	62	62	51	58	56	55	65	56	58	61	66	68
65	65	71	65	61	55	51	47	52	52	57	63	66
70	64	61	56	54	53	51	52	52	58	64	66	67
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
—	—	—	—	—	—	—	—	—	—	—	—	—
·270	·258	·253	·262	·247	·271	·251	·223	·232	·254	·227	·218	·241
·287	·285	·284	·292	·285	·282	·296	·288	·289	·297	·304	·286	·255
·297	·320	·291	·295	·375	·323	·311	·288	·295	·296	·308	·275	·285
·388	·411	·427	·416	·428	·368	·314	·320	·273	·190	·241	·247	·342
·272	·261	·238	·270	·222	·258	·262	·213	·187	·184	·204	·201	·234
·275	·279	·329	·314	·296	·309	·303	·311	·314	·297	·301	·303	·260
—	—	—	—	—	—	—	—	—	—	—	—	} ·288
·276	·290	·288	·307	·263	·308	·292	·286	·295	·301	·278	·271	
·356	·321	·333	·328	·324	·299	·297	·287	·271	·271	·278	·282	·320
·350	·339	·310	·313	·283	·311	·313	·315	·310	·322	·336	·322	·292
·263	·267	·302	·275	·281	·240	·223	·196	·186	·188	·200	·207	·253
·259	·261	·265	·248	·341	·333	·230	·271	·258	·263	·272	·293	·242
·240	·246	·233	·199	·248	·259	·230	·243	·211	·233	·252	·224	·229
—	—	—	—	—	—	—	—	—	—	—	—	} ·264
·277	·292	·303	·299	·321	·323	·288	·312	·280	·290	·276	·266	
·314	·318	·305	·311	·338	·312	·304	·285	·247	·303	·274	·273	·288
·323	·314	·342	·346	·337	·345	·341	·343	·284	·294	·264	·275	·304
·207	·198	·230	·182	·198	·139	·157	·197	·181	·181	·194	·208	·217
·248	·252	·268	·274	·283	·289	·306	·288	·294	·284	·292	·284	·244
·282	·305	·300	·296	·270	·245	·350	·339	·366	·354	·345	·330	·299
—	—	—	—	—	—	—	—	—	—	—	—	} ·235
·219	·229	·206	·194	·232	·225	·215	·256	·251	·248	·251	·246	
·267	·262	·293	·286	·301	·293	·219	·302	·282	·267	·292	·274	·263
·284	·292	·264	·285	·202	—	·244	·234	·241	·222	·213	·218	·269
·316	·328	·236	·230	·326	·386	·357	·358	·228	—	·270	·284	·250
·406	·400	·459	·464	·445	·390	·437	·400	·387	·341	·346	·303	·353
·231	·254	·275	·276	·290	·351	·316	·274	·260	·307	·298	·316	·267
—	—	—	—	—	—	—	—	—	—	—	—	} ·247
·290	·281	·268	·303	·252	·281	·250	·262	·220	·218	·214	·231	
·297	·294	·288	·270	·311	·297	·290	·345	·281	·267	·245	·253	·263
·300	·300	·333	·350	·380	·395	·405	·393	·407	·363	·360	·358	·316
·289	·291	·293	·292	·299	·301	·289	·290	·271	·271	·272	·268	·270

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. NOVEMBER.	1	63	63	64	64	66	65	63	60	65	65	70	76
	2	70	76	64	78	85	85	89	94	88	87	87	86
	3	93	89	93	93	68	72	75	74	77	74	72	71
	4	63	71	69	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	75	78	78	73	77	75	73	65
	6	73	76	76	76	57	64	65	62	67	67	64	59
	7	54	65	72	61	57	59	62	58	61	61	56	51
	8	53	52	58	68	70	73	72	70	70	73	57	62
	9	52	52	59	62	66	70	70	74	76	78	67	67
	10	64	64	66	69	68	69	69	72	71	73	69	70
	11	49	56	60	—	—	—	—	—	—	—	—	—
	12	—	—	—	79	83	80	80	80	88	92	96	94
	13	69	70	72	72	73	74	78	82	87	82	75	67
	14	94	93	91	85	85	88	81	90	97	77	69	62
	15	78	64	61	60	67	66	74	66	73	75	60	66
	16	53	61	63	63	73	71	74	77	80	79	74	66
	17	78	88	89	92	94	92	92	91	93	94	96	91
	18	57	69	72	—	—	—	—	—	—	—	—	—
	19	—	—	—	89	92	89	94	96	96	96	94	92
	20	81	80	81	83	88	88	85	84	—	94	80	71
	21	68	71	73	70	76	74	74	76	82	86	74	65
	22	75	—	75	84	85	80	85	92	89	91	85	68
	23	76	88	90	88	93	88	81	85	—	81	76	71
	24	61	62	63	67	64	71	71	73	74	75	73	66
	25	69	68	73	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	78	70	64	67	90	77	71	63
	27	64	62	64	65	67	76	68	70	—	72	61	59
	28	69	80	85	80	91	94	94	95	91	77	69	58
	29	44	53	59	54	49	60	58	60	63	59	55	52
	30	76	74	78	77	80	80	78	81	80	77	72	68
	Hourly Means	67	70	72	74	75	76	76	77	80	78	73	69
Tension of the Vapour. NOVEMBER.	1	In. .336	In. .323	In. .312	In. .302	In. .297	In. .286	In. .273	In. .262	In. .280	In. .287	In. .321	In. .385
	2	.408	.386	.306	.352	.368	.362	.376	.402	.381	.382	.400	.426
	3	.417	.395	.406	.400	.278	.276	.284	.281	.297	.309	.308	.324
	4	.255	.273	.262	—	—	—	—	—	—	—	—	—
	5	—	—	—	a	.270	.277	.275	.265	.276	.281	.318	.292
	6	.295	.299	.298	.301	.225	.247	.238	.221	.238	.257	.272	.273
	7	.196	.295	.310	.255	.228	.231	.231	.213	.219	.241	.240	.238
	8	.226	.223	.231	.251	.246	.247	.239	.234	.232	.259	.208	.224
	9	.185	.178	.196	.203	.217	.229	.232	.247	.267	.288	.276	.285
	10	.269	.261	.266	.278	.271	.273	.273	.287	.281	.292	.287	.299
	11	.177	.190	.205	—	—	—	—	—	—	—	—	—
	12	—	—	—	.245	.257	.250	.254	.254	.279	.295	.322	.325
	13	.311	.310	.310	.307	.307	.309	.311	.315	.341	.354	.347	.341
	14	.371	.374	.378	.359	.356	.364	.330	.351	.370	.317	.322	.325
	15	.356	.297	.272	.247	.257	.249	.278	.240	.262	.295	.255	.303
	16	.226	.244	.247	.241	.262	.244	.247	.252	.258	.275	.294	.318
	17	.424	.462	.465	.481	.472	.470	.458	.448	.460	.471	.415	.553
	18	.557	.564	.558	—	—	—	—	—	—	—	—	—
	19	—	—	—	.383	.392	.369	.390	.388	.396	.402	.403	.415
	20	.299	.291	.299	.291	.293	.287	.277	.265	—	.331	.319	.306
	21	.259	.257	.262	.249	.264	.258	.251	.249	.269	.307	.309	.283
	22	.306	—	.306	.315	.320	.294	.301	.333	.334	.357	.356	.329
	23	.335	.370	.375	.354	.362	.337	.288	.301	—	.339	.341	.331
	24	.255	.252	.252	.259	.247	.265	.260	.265	.270	.284	.292	.276
	25	.346	.329	.330	—	—	—	—	—	—	—	—	—
	26	—	—	—	—	.334	.316	.297	.288	.389	.354	.348	.351
	27	.336	.316	.315	.295	.314	.351	.311	.307	—	.336	.315	.327
	28	.338	.336	.333	.305	.328	.333	.322	.333	.346	.340	.356	.343
	29	.298	.323	.326	.263	.218	.244	.228	.233	.244	.244	.256	.255
	30	.338	.320	.334	.328	.342	.348	.340	.345	.342	.347	.359	.377
	Hourly Means	.312	.315	.314	.303	.297	.297	.291	.291	.306	.317	.317	.327

* Bulb of wet thermometer allowed to get dry.

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.
21	22	23	0	1	2	3	4	5	6	7	8	
66	54	39	24	25	24	26	28	29	33	38	48	51
80	79	73	68	76	77	85	79	84	82	84	91	81
72	65	72	61	86	51	60	46	43	42	51	57	69
—	—	—	—	—	—	—	—	—	—	—	—	67
67	66	59	57	53	62	55	52	53	66	71	74	55
52	51	46	38	44	36	38	37	36	37	50	55	49
52	50	39	42	38	28	28	22	32	35	43	48	57
66	51	70	55	51	50	41	38	32	41	47	52	60
66	61	60	50	46	43	43	53	48	50	58	60	59
66	68	50	49	48	45	48	39	39	38	45	49	69
—	—	—	—	—	—	—	—	—	—	—	—	69
91	84	75	62	52	54	43	33	44	51	58	66	69
64	59	59	50	62	51	56	58	58	76	82	86	69
58	47	46	49	41	38	43	44	56	55	65	68	46
49	46	48	44	—	47	45	36	36	50	43	43	56
61	53	53	54	52	54	57	49	62	71	67	80	64
81	71	74	51	36	33	26	29	29	33	49	45	69
—	—	—	—	—	—	—	—	—	—	—	—	87
88	91	91	92	92	87	88	88	86	85	82	84	67
73	63	61	55	40	40	45	43	50	50	55	61	65
68	59	53	49	50	51	46	52	51	57	69	70	68
59	45	48	40	48	49	51	59	63	63	69	70	67
63	62	51	50	51	40	—	34	40	41	47	64	63
65	62	58	57	53	57	56	53	54	43	59	69	64
—	—	—	—	—	—	—	—	—	—	—	—	64
56	52	54	57	54	57	54	58	55	58	64	64	60
53	48	45	47	50	54	55	50	51	60	67	77	55
44	37	31	31	22	20	18	18	20	24	27	42	54
52	48	43	41	44	52	47	49	52	59	62	74	68
61	52	56	52	56	52	50	55	57	65	72	79	63
64	59	56	51	51	48	48	46	48	52	51	64	63
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
.412	.410	.385	.286	.334	.314	.349	.369	.328	.328	.332	.347	.327
.421	.442	.411	.426	.422	.413	.454	.426	.448	.426	.401	.418	.402
.361	.338	.358	.325	.430	.295	.326	.258	.250	.223	.240	.242	.318
—	—	—	—	—	—	—	—	—	—	—	—	.297
.314	.334	.305	.300	.292	.344	.328	.322	.293	.324	.315	.313	.262
.261	.276	.275	.256	.306	.256	.257	.281	.240	.212	.250	.256	.236
.266	.268	.235	.274	.269	.217	.217	.174	.216	.200	.214	.216	.218
.241	.198	.254	.224	.210	.213	.190	.196	.151	.172	.178	.189	.258
.318	.305	.330	.298	.289	.266	.266	.295	.269	.250	.258	.255	.266
.302	.353	.305	.292	.300	.290	.275	.210	.198	.169	.175	.179	.292
—	—	—	—	—	—	—	—	—	—	—	—	.329
.351	.392	.396	.371	.317	.390	.331	.241	.279	.279	.291	.315	.330
.343	.330	.348	.312	.363	.304	.339	.331	.291	.338	.345	.352	.270
.314	.318	.285	.320	.287	.286	.305	.304	.334	.307	.328	.311	.331
.250	.246	.269	.274	—	.301	.304	.263	.260	.312	.225	.201	.331
.346	.361	.375	.406	.401	.401	.416	.357	.449	.471	.396	.452	.470
.570	.555	.613	.513	.464	.453	.381	.418	.413	.413	.454	.460	.421
—	—	—	—	—	—	—	—	—	—	—	—	.285
.407	.421	.444	.462	.470	.451	.447	.431	.381	.347	.321	.315	.275
.333	.309	.322	.330	.243	.247	.249	.262	.271	.256	.237	.246	.311
.308	.297	.305	.310	.289	.287	.267	.267	.238	.253	.284	.286	.317
.320	.279	.283	.292	.307	.295	.294	.300	.307	.298	.316	.316	.294
.323	.345	.333	.295	.328	.286	— ^a	.261	.266	.267	.248	.289	.359
.292	.295	.303	.332	.315	.343	.347	.326	.384	.282	.330	.338	.336
—	—	—	—	—	—	—	—	—	—	—	—	.336
.336	.332	.357	.413	.394	.404	.384	.411	.413	.395	.388	.349	.336
.320	.317	.322	.359	.348	.351	.366	.352	.362	.371	.361	.367	.311
.310	.305	.296	.339	.282	.276	.251	.259	.275	.273	.254	.329	.285
.279	.279	.282	.284	.295	.327	.320	.325	.323	.340	.313	.336	.365
.392	.398	.435	.434	.462	.417	.352	.355	.362	.362	.359	.312	.314
.334	.335	.339	.336	.337	.324	.321	.307	.308	.303	.301	.307	.314

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. DECEMBER.	1	79	82	84	—	55	84	83	83	82	86	67	53
	2	74	77	82	—	—	—	—	—	—	—	—	—
	3	—	—	—	81	84	85	84	86	92	85	81	63
	4	49	50	57	61	62	63	65	66	72	71	74	66
	5	85	82	81	88	78	76	76	76	75	73	68	60
	6	76	76	73	71	71	73	79	81	87	82	78	73
	7	56	63	62	64	67	69	69	69	—	—	58	66
	8	66	68	66	67	68	69	72	77	—	79	72	69
	9	80	83	84	—	—	—	—	—	—	—	—	—
	10	—	—	—	64	67	69	70	73	77	71	70	64
	11	51	58	67	67	78	75	77	73	73	71	57	56
	12	63	62	65	67	73	71	73	68	68	63	66	62
	13	56	55	53	57	62	67	67	67	68	70	70	68
	14	64	64	64	67	65	67	72	77	65	67	63	70
	15	53	55	62	61	—	86	79	79	82	80	72	61
	16	72	72	69	—	—	—	—	—	—	—	—	—
	17	—	—	—	80	84	84	81	81	81	73	64	54
	18	70	79	81	81	82	82	86	86	88	87	78	75
	19	72	51	51	58	—	—	—	—	69	66	56	48
	20	72	74	77	85	84	84	89	89	89	83	66	52
	21	71	75	70	57	58	45	50	51	50	49	58	61
	22	46	49	52	55	58	57	60	64	65	59	52	48
	23	52	49	52	—	—	—	—	—	—	—	—	—
	24	—	—	—	61	61	61	62	62	63	62	63	62
	25	64	68	73	75	78	77	75	75	76	72	63	56
	26	83	84	86	88	91	92	86	89	79	74	68	62
	27	44	46	50	53	53	55	68	76	—	58	58	55
	28	77	64	64	64	64	—	59	60	64	63	60	59
	29	47	52	57	57	60	57	60	61	62	63	63	57
	30	68	71	65	—	—	—	—	—	—	—	—	—
	31	—	—	—	91	92	86	86	87	—	91	83	60
Hourly Means	65	66	67	69	71	72	73	74	74	72	66	61	
Tension of the Vapour. DECEMBER.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
	·372	·377	·389	—	·256	·395	·287	·293	·384	·398	·361	·309	
	·336	·354	·381	—	—	—	—	—	—	—	—	—	
	—	—	—	·357	·365	·372	·369	·380	·402	·388	·387	·330	
	·262	·258	·272	·284	·281	·280	·280	·276	·298	·304	·332	·312	
	·294	·290	·283	·300	·263	·255	·247	·242	·242	·238	·242	·230	
	·249	·242	·222	·214	·208	·213	·218	·230	·261	·264	·281	·288	
	·251	·273	·265	·272	·280	·284	·282	·281	—	—	·269	·306	
	·291	·287	·279	·276	·279	·275	·287	·301	—	·343	·351	·356	
	·371	·371	·381	—	—	—	—	—	—	—	—	—	
	—	—	—	·254	·257	·262	·254	·262	·275	·281	·300	·280	
	·264	·274	·276	·257	·282	·269	·268	·254	·262	·284	·225	·278	
	·250	·233	·235	·234	·245	·243	·244	·231	·240	·232	·263	·284	
	·237	·229	·218	·225	·236	·249	·248	·248	·256	·263	·272	·275	
	·277	·266	·257	·257	·253	·257	·270	·275	·238	·257	·255	·292	
	·228	·224	·218	·205	—	·250	·232	·235	·257	·275	·279	·275	
	·315	·304	·280	—	—	—	—	—	—	—	—	—	
	—	—	—	·310	·318	·318	·308	·305	·320	·318	·318	·312	
	·368	·385	·381	·368	·357	·355	·361	·367	·387	·400	·382	·382	
	·353	·247	·247	·270	—	—	—	—	·293	·306	·292	·275	
	·336	·330	·320	·333	·318	·309	·320	·314	·325	·330	·303	·282	
	·443	·443	·416	·338	·341	·270	·295	·307	·305	·333	·411	·438	
	·248	·240	·252	·259	·259	·253	·255	·269	·283	·287	·279	·284	
	·269	·235	·240	—	—	—	—	—	—	—	—	—	
	—	—	—	·312	·308	·308	·310	·307	·313	·320	·326	·331	
	·353	·363	·373	·382	·393	·387	·379	·379	·395	·417	·422	·441	
	·453	·444	·434	·431	·425	·418	·398	·445	·454	·477	·463	·436	
	·246	·240	·250	·258	·251	·256	·302	·329	— ^a	·258	·274	·289	
	·331	·261	·261	·261	·263	—	·244	·255	·280	·286	·302	·323	
	·224	·240	·256	·256	·261	·245	·255	·252	·263	·283	·310	·301	
	·337	·346	·310	—	—	—	—	—	—	—	—	—	
—	—	—	·470	·466	·434	·422	·417	—	·455	·456	·382		
Hourly Means	·306	·298	·296	·295	·299	·298	·293	·298	·306	·316	·321	·319	

^a Bulb of wet thermometer allowed to become dry.

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.
21	22	23	0	1	2	3	4	5	6	7	8	
56	57	52	53	55	56	53	72	49	60	65	65	67
—	—	—	—	—	—	—	—	—	—	—	—	62
57	49	46	37	34	31	35	46	45	41	42	51	62
67	72	65	66	66	74	79	80	88	88	86	84	69
74	61	60	65	54	56	54	61	62	68	67	77	70
72	55	53	52	51	47	51	42	47	46	50	56	64
63	59	54	59	55	54	60	58	64	66	64	64	62
64	58	58	53	47	48	39	43	54	66	74	77	63
—	—	—	—	—	—	—	—	—	—	—	—	61
64	58	57	55	54	54	52	36	37	41	45	51	61
58	51	51	49	49	42	37	48	44	46	55	64	58
57	55	51	46	58	48	46	48	36	50	52	54	59
70	55	48	49	64	70	72	70	58	50	68	62	62
54	53	51	58	45	46	47	46	37	42	44	46	56
52	46	46	46	43	45	46	49	58	60	64	67	60
—	—	—	—	—	—	—	—	—	—	—	—	62
49	43	36	29	29	50	44	48	59	69	73	73	62
73	67	64	59	53	54	58	53	51	60	66	80	71
42	43	32	64	50	44	45	53	49	57	58	67	54
47	53	49	46	47	43	42	36	39	48	55	71	63
55	43	32	29	26	27	26	26	29	30	36	42	46
47	44	39	38	34	34	30	28	25	31	37	48	46
—	—	—	—	—	—	—	—	—	—	—	—	57
61	56	57	58	47	53	53	56	56	52	57	63	57
52	43	47	46	47	41	53	67	75	79	85	—	65
55	52	45	42	41	54	27	27	31	29	39	42	61
48	46	40	37	47	—	51	66	67	57	61	71	55
50	48	46	43	39	44	36	36	35	52	43	47	53
52	43	44	52	52	44	46	53	64	67	64	65	56
—	—	—	—	—	—	—	—	—	—	—	—	61
49	44	40	40	51	36	40	40	32	38	48	54	61
57	52	49	47	46	48	47	49	50	54	58	59	60
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·338	·346	·332	·346	·338	·341	·319	·362	·303	·282	·298	·298	·336
—	—	—	—	—	—	—	—	—	—	—	—	·337
·338	·335	·324	·297	·307	·271	·292	·334	·343	·294	·263	·276	·337
·320	·350	·328	·334	·324	·342	·350	·316	·331	·320	·306	·296	·306
·300	·255	·262	·265	·238	·233	·226	·252	·248	·262	·243	·262	·257
·303	·269	·273	·263	·282	·261	·318	·261	·301	·278	·264	·272	·260
·303	·306	·310	·340	·321	·305	·336	·313	·353	·343	·321	·298	·301
·354	·344	·376	·374	·366	·380	·375	·327	·364	·380	·396	·387	·337
—	—	—	—	—	—	—	—	—	—	—	—	·291
·286	·274	·284	·290	·306	·303	·345	·290	·266	·264	·264	·267	·291
·284	·281	·297	·289	·286	·263	·230	·290	·263	·240	·248	·263	·268
·271	·289	·273	·246	·303	·259	·241	·304	·251	·280	·266	·246	·257
·294	·286	·287	·282	·333	·360	·371	·419	·389	·309	·362	·291	·289
·263	·261	·274	·290	·252	·284	·280	·302	·240	·240	·222	·210	·261
·272	·261	·285	·285	·287	·287	·302	·286	·340	·329	·309	·311	·271
—	—	—	—	—	—	—	—	—	—	—	—	·323
·320	·327	·316	·276	·295	·363	·302	·307	·348	·393	·393	·377	·323
·395	·396	·403	·408	·370	·372	·407	·391	·366	·365	·368	·402	·381
·259	·289	·231	·264	·309	·348	·327	·379	·320	·343	·331	·338	·301
·297	·353	·370	·391	·405	·408	·387	·349	·375	·403	·426	·485	·353
·464	·418	·324	·298	·277	·294	·293	·289	·298	·236	·240	·240	·334
·277	·291	·276	·268	·269	·287	·266	·255	·217	·219	·227	·260	·262
—	—	—	—	—	—	—	—	—	—	—	—	·343
·346	·339	·350	·398	·331	·341	·348	·354	·353	·330	·335	·350	·343
·426	·362	·391	·394	·410	·393	·418	·451	·474	·473	·475	—	·407
·408	·428	·360	·330	·355	·333	·285	·298	·336	·261	·285	·255	·384
·269	·289	·276	·280	·272	— ^a	·318	·354	·329	·285	·281	·312	·283
·302	·307	·319	·330	·333	·385	·285	·293	·263	·327	·244	·242	·291
·305	·286	·292	·345	·377	·324	·329	·322	·356	·367	·349	·332	·297
—	—	—	—	—	—	—	—	—	—	—	—	·362
·346	·324	·333	·330	·371	·314	·326	·350	·266	·259	·300	·310	·362
·321	·318	·313	·316	·320	·322	·318	·325	·315	·311	·308	·303	·310



VAN DIEMEN ISLAND, 1843.

METEOROLOGICAL JOURNAL.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Weather and Remarks.
		Air.	Dew Point.*	Max.	Min.	
JANUARY.						
D.	H.		°	°	°	
1	15	54°5	—	85°8	50°6	Calm and clear.
1	21	66°6	—			
2	3	70°0	—	74°5	55°2	Moderate breeze, S.E. by S.
2	9	60°2	—			
2	15	58°0	—			
2	21	64°4	—			
3	3	72°0	—	71°5	51°6	Fresh sea breeze.
3	9	58°0	—			
3	15	52°0	—			
3	21	65°0	—			
4	3	78°6	—	80°4	57°0	Overcast at 11 ^h .
4	9	63°0	—			
4	15	58°5	—			
4	21	68°5	—			
5	3	74°8	—	75°0	59°0	Overcast and gloomy.
5	9	64°0	—			
5	15	60°0	—			
5	21	64°5	—			
6	3	75°0	—	77°4	53°6	Calm and clear.
6	9	59°8	—			
6	15	53°5	—			
6	21	62°8	—			
7	3	65°8	—	—	—	Generally clear; wind N.N.W.
7	9	56°4	—			
Sunday 21						
8	15	52°0	—	70°0	50°0	Hazy; wind S.E.
8	21	53°0	—			
9	3	62°0	—	61°0	48°6	Occasional squalls.
9	9	55°0	—			
9	15	49°6	—			
9	21	62°0	—			
10	3	71°6	—	74°6	55°4	Moderate S.E. breeze.
10	9	60°6	—			
10	15	54°8	—			
10	21	67°4	—			
11	3	67°2	—	74°1	55°8	Overcast; calm.
11	9	59°5	—			
11	15	58°0	—			
11	21	64°8	—			
12	3	68°2	—	68°0	56°0	Moderate N.N.W. breeze.
12	9	57°0	—			
12	15	58°2	—			
12	21	62°5	—			
13	3	70°4	—	79°7	59°7	Fresh breeze, N.W. by W.
13	9	65°0	—			
13	15	64°5	—			
13	21	67°2	—			
14	3	66°8	—	—	—	Fresh breeze.
14	9	55°0	—			
Sunday 21						
15	15	55°0	—	70°0	52°5	Clear; wind northerly.
15	21	59°0	—			
16	3	60°4	—	63°2	52°5	Light breeze, N.N.W.
16	9	56°2	—			
16	15	55°0	—			
16	21	59°4	—			
17	3	69°0	—	69°2	54°5	Moderate S.E. breeze.
17	9	59°5	—			
17	15	53°0	—			
17	21	59°0	—			
18	3	66°0	—	67°0	52°4	Overcast.
18	9	55°0	—			
18	15	54°6	—			
18	21	64°2	—			

* Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.	TEMPERATURE.				Weather and Remarks.
	Air.	Dew Point.*	Max.	Min.	
JANUARY.					
D. H.	°	°	°	°	
19 3	71.0	—	70.7	59.3	Sea breeze.
19 9	66.8	—			Calm and clear.
19 15	60.8	—			Fresh breeze, N.W.
19 21	71.2	—			Fresh breeze, N.W.; hazy.
20 3	71.4	—	84.8	46.0	Occasionally squalls.
20 9	57.5	—			Light airs; variable.
20 15	48.5	—			Light airs, S.E.
20 21	59.5	—			Squally, wind W.N.W.
21 3	74.0	—	—	—	Strong squally breeze, N.W.
21 9	55.0	—			Fresh breeze, W.N.W.; lightning.
Sunday 21					
22 15	47.6	—	74.3	45.8	Clear and calm.
22 21	58.4	—			Light breeze, E.S.E.
23 3	68.2	—	69.0	50.2	Wind moderate, S.S.E.
23 9	55.5	—			Clear and calm.
23 15	51.0	—			Clear; wind N.W.
23 21	65.0	—			Clear; wind N.W. by N.
24 3	83.5	—	86.5	61.5	Clear; moderate sea breeze.
24 9	65.5	—			Clear; light S.E. wind.
24 15	62.6	—			Fresh N.W. breeze, at 18 ^h ; a heavy thunder storm.
24 21	71.5	—			Overcast; heavy squalls.
25 3	81.4	—	87.7	57.5	Strong gale, N.W.; hot wind.
25 9	67.6	—			Moderating.
25 15	61.5	—			Fresh breeze.
25 21	63.8	—			Light breeze.
26 3	71.5	—	75.5	54.2	Overcast; sea breeze.
26 9	58.5	—			Hazy; wind light.
26 15	55.4	—			
26 21	67.5	—			Calm and clear.
27 3	71.6	—	85.5	54.5	Clear; fresh breeze, S.E.
27 9	61.0	—			
27 15	55.0	—			
27 21	66.5	—			
28 3	63.2	—	—	—	Calm and hazy.
28 9	57.8	—			Overcast.
Sunday 21					
29 15	55.0	—	71.5	45.6	Calm and clear.
29 21	59.0	—			Overcast; squally.
30 3	66.5	—	69.0	48.0	Constant showers; squally.
30 9	52.5	—			
30 15	48.6	—			
30 21	54.0	—			Overcast and gloomy.
31 3	63.6	—	63.0	47.4	Fresh S.E. wind.
31 9	52.8	—			
31 15	51.5	—			Overcast; calm.
31 21	59.4	—			
FEBRUARY.					
1 3	71.8	—	71.7	54.0	Much haze.
1 9	57.5	—			Much haze.
1 15	54.0	—			
1 21	64.8	—			
2 3	82.5	—	83.8	54.4	Calm and sultry.
2 9	68.0	—			Clear.
2 15	56.4	—			Calm and clear.
2 21	63.0	—			Hazy.
3 3	73.6	—	72.8	59.2	A thick light haze
3 9	62.6	—			Misty.
3 15	60.5	—			Much haze.
3 21	72.0	—			Hazy.

* Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.	TEMPERATURE.				Weather and Remarks.
	Air.	Dew Point.*	Max.	Min.	
FEBRUARY.					
D. H.		°	°	°	
4 3	80.5	—	—	—	Overcast and sultry.
4 9	69.2	—	—	—	Calm; light rain.
Sunday 21					
5 15	57.2	—	82.0	55.5	Overcast; fresh breeze.
5 21	63.0	—			Squally.
6 3	78.0	—			
6 9	58.4	—	79.0	51.8	Calm.
6 15	54.5	—			
6 21	63.2	—			
7 3	73.8	—			Moderate sea breeze.
7 9	61.8	—	73.8	53.0	Clear; light sea breeze.
7 15	54.0	—			Calm and clear, with dew.
7 21	66.6	—			
8 3	81.0	—			Hazy.
8 9	68.0	—	81.2	59.1	Hazy.
8 15	61.8	—			
8 21	68.0	—			
9 3	64.0	—			Overcast; squally.
9 9	57.2	—	71.7	54.7	Overcast; calm.
9 15	55.5	—			
9 21	66.0	—			
10 3	69.0	—			Strong sea breeze.
10 9	60.0	—	76.4	58.2	Overcast and gloomy.
10 15	58.5	—			Light airs and foggy.
10 21	61.0	—			
11 3	74.0	—			
11 9	62.0	—			
Sunday 21					
12 15	65.8	—	90.4	56.2	Squally.
12 21	74.6	—			Fresh breeze; squally.
13 3	77.5	—			Overcast with rain; hot wind.
13 9	63.0	—	81.2	51.5	Fresh squally breeze.
13 15	54.5	—			Fresh squally breeze.
13 21	66.0	—			Fresh squally breeze.
14 3	62.5	—			Passing showers.
14 9	52.7	—	67.8	50.5	Moderate with squalls.
14 15	50.4	—			Steady strong breeze.
14 21	59.0	—			
15 3	66.0	—			
15 9	55.6	—	67.8	52.8	Light breeze.
15 15	53.5	—			Fresh N.N.W. breeze.
15 21	64.4	—			Squally fresh breeze.
16 3	70.0	—			
16 9	61.8	—	72.0	58.5	
16 15	59.5	—			
16 21	64.2	—			
17 3	61.6	—			Overcast.
17 9	55.2	—	69.0	53.0	Overcast with drizzling rain.
17 15	53.2	—			Overcast.
17 21	59.5	—			Overcast, calm.
18 3	65.4	—			
18 9	57.2	—			
Sunday 21					
19 15	58.0	—	70.0	56.0	Overcast, calm.
19 21	63.5	—			Calm and hazy.
20 3	68.8	—			Strong sea breeze.
20 9	58.0	—	69.5	55.0	Overcast.
20 15	57.0	—			Overcast.
20 21	60.4	—			Overcast.
21 3	70.8	—			
21 9	61.5	—	72.6	60.8	Overcast, nearly calm.
21 15	61.5	—			
21 21	68.0	—			

* Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Weather and Remarks.
		Air.	Dew Point.*	Max.	Min.	
FEBRUARY.						
D.	H.	°	°	°	°	
22	3	78°8	—	78°2	56°2	Overcast and gloomy.
22	9	64°5	—			
22	15	58°0	—			
22	21	66°6	—	74°6	60°8	
23	3	75°2	—			
23	9	65°5	—			
23	15	62°4	—	86°3	61°8	At 4 P.M. thunder storm with heavy rain. At 11 vivid lightning in the N.W. Sultry; occasional rain.
23	21	70°0	—			
24	3	85°6	—			
24	9	65°2	—	61°8	61°8	Calm; light rain.
24	15	—	—			
24	21	66°0	—			
25	3	67°5	—	61°8	61°8	Calm and damp.
25	9	58°5	—			
Sunday 21						
26	15	50°0	—	68°0	48°5	Fresh breeze, S.W.
26	21	55°0	—			
27	3	57°6	—	63°8	50°2	Fresh squally breeze. Squally breeze, W. Squally, N.W.
27	9	52°8	—			
27	15	51°0	—			
27	21	58°8	—	68°8	49°8	Calm and clouded. Fresh breeze, W.S.W. Squalls from S.W. Wind fresh, N.W.
28	3	66°5	—			
28	9	56°8	—			
28	15	53°7	—	49°8	49°8	
28	21	62°5	—			
MARCH.						
1	3	74°0	—	79°2	57°5	Strong N.W. breeze.
1	9	63°2	—			
1	15	59°0	—			
1	21	64°5	—	71°8	49°7	Overcast and cloudy. Overcast and calm.
2	3	72°4	—			
2	9	60°0	—			
2	15	50°0	—	66°8	52°5	Thick and gloomy. Light breeze, E.N.E. Strong squally breeze.
2	21	57°6	—			
3	3	63°0	—			
3	9	53°7	—	52°5	52°5	Clear sky, strong breeze.
3	15	53°5	—			
3	21	58°8	—			
4	3	72°0	—	52°5	52°5	Light air, W.N.W.
4	9	59°2	—			
Sunday 21						
5	15	52°2	—	74°6	50°4	Clear with rain.
5	21	58°4	—			
6	3	68°0	—	69°8	50°2	Hazy; fresh sea breeze. Hazy.
6	9	54°3	—			
6	15	54°0	—			
6	21	64°8	—	66°2	53°5†	Very hazy; wind fresh, N.W. Strong sea breeze.
7	3	67°0	—			
7	9	59°0	—			
7	15	54°4	—	83°6	53°4	Strong squally breeze. Calm; heavily clouded.
7	21	65°6	—			
8	3	75°5	—			
8	9	64°0	—	76°2	54°5	Overcast, with broken clouds. Fresh squally breeze.
8	15	59°0	—			
8	21	65°2	—			
9	3	74°0	—	54°5	54°5	Passing heavy clouds. Fresh squally breeze. Strong squally breeze.
9	9	64°5	—			
9	15	59°5	—			
9	21	59°5	—	69°0	55°5	Violent squalls. Heavy gale; very violent squalls. Fresh gale with hard gusts. Squally.
10	3	68°0	—			
10	9	57°2	—			
10	15	57°8	—	55°5	55°5	
10	21	58°5	—			

* Hygrometer broken.

† Taken from the lowest hourly reading of the Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.	TEMPERATURE.				Weather and Remarks.
	Air.	Dew Point.*	Max.	Min.	
MARCH.					
D. H.		°	°	°	
11 3	62.2	—	—	—	Strong breeze. Moderated.
11 9	48.4	—	—	—	
Sunday 21					
12 15	51.5	—	71.2	46.2	Overcast; misty.
12 21	58.0	—			
13 3	56.8	—			Strong S.E. wind.
13 9	49.0	—	64.0	44.0	Clear and calm.
13 15	45.6	—			Overcast.
13 21	53.0	—			Fresh N.W. wind.
14 3	60.6	—			
14 9	49.6	—	63.0	41.2	Clear and nearly calm.
14 15	43.2	—			Calm and clear.
14 21	52.0	—			
15 3	62.8	—			
15 9	53.2	—	67.2	46.2	Overcast; nearly calm.
15 15	48.0	—			Clear, with light airs.
15 21	56.2	—			
16 3	74.8	—			Hazy.
16 9	62.2	—		54.2	Light breeze, with much haze.
16 15	56.0	—			Hazy; freshening.
16 21	60.5	—			Cloudy; fresh N.N.W. breeze.
17 3	72.6	—			
17 9	65.8	—	78.4	58.3	Overcast; strong N.W. by N. breeze.
17 15	63.0	—			
17 21	59.4	—			
18 3	59.5	—			Overcast; light S.W. breeze.
18 9	56.0	—			Calm and cloudy.
Sunday 21					
19 15	53.0	—	63.6	46.0	Overcast and calm.
19 21	58.8	—			
20 3	66.0	—			Fresh sea breeze.
20 9	57.0	—	66.8	52.5	Nearly calm.
20 15	54.2	—			
20 21	59.0	—			
21 3	70.0	—			Overcast and gloom
21 9	59.4	—	70.0	54.5	Rain commencing; calm.
21 15	57.0	—			Thick and misty.
21 21	58.0	—			
22 3	66.0	—			
22 9	58.2	—	66.8	51.5	Calm.
22 15	54.0	—			Clear; fresh N.W. breeze.
22 21	60.0	—			Hot wind from N.; fresh and squally.
23 3	80.4	—			General haze.
23 9	69.5	—	80.2	58.0	Overcast; light passing showers.
23 15	61.5	—			Thick and gloomy, with rain.
23 21	58.0	—			Heavy showers.
24 3	58.6	—			
24 9	51.2	—	62.5	48.2	
24 15	48.7	—			
24 21	53.8	—			Squally; N.W. breeze.
25 3	62.0	—			Fresh sea breeze N.N.W.
25 9	57.6	—			Constant heavy squalls in N.W.
Sunday 21					
26 15	56.2	—	67.4	52.5	Calm and gloomy.
26 21	57.6	—			Moderate breeze S.E. by S.
27 3	61.5	—			
27 9	49.7	—	62.5	47.0	Calm and damp.
27 15	47.4	—			
27 21	57.2	—			Moderate N.N.W. wind.
28 3	72.2	—			Fresh N.N.W. breeze.
28 9	64.4	—	72.2	59.2	
28 15	61.6	—			
28 21	67.8	—			Hazy; breeze continuing.

* Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Weather and Remarks.
		Air.	Dew Point.*	Max.	Min.	
MARCH.						
D.	H.	°	°	°	°	
29	3	83.4	—	82.6	57.6	Fresh gale, N.W. by N.
29	9	63.0	—			
29	15	59.0	—			
29	21	61.2	—			
30	3	68.0	—	70.0	59.5	Dead calm; sultry; close.
30	9	65.5	—			
30	15	—	—			
30	21	68.8	—			
31	3	57.5	—	71.6	53.5	Overcast, with heavy clouds.
31	9	54.5	—			
31	15	53.6	—			
31	21	60.5	—			
APRIL.						
1	3	64.4	—	—	—	Overcast; fresh sea breeze.
1	9	53.8	—			
Sunday	21			71.0	44.2	
2	15	45.0	—			
2	21	50.0	—	62.8	44.5	
3	3	62.0	—			
3	9	48.0	—			
3	15	47.0	—			
3	21	51.0	—	—	—	
4	3	63.5	—			
4	9	49.5	—			
4	15	45.6	—			
4	21	52.5	—	63.5	43.8	Strong breeze, E. by S.; small rain.
5	3	57.6	—			
5	9	49.8	—			
5	15	48.0	—			
5	21	52.5	—	65.7	40.4	Overcast and gloomy.
6	3	63.8	—			
6	9	49.8	—			
6	15	43.8	—			
6	21	49.2	—	67.2	46.3	Overcast; calm.
7	3	65.6	—			
7	9	51.8	—			
7	15	47.6	—			
7	21	53.8	—	—	—	Misty; fresh breeze, N.W.
8	3	71.8	—			
8	9	57.2	—			
Sunday	21					79.2
9	15	65.4	—			
9	21	69.2	—			
10	3	64.8	—			
10	9	60.2	—	74.4	51.3	Calm and clear.
10	15	55.0	—			
10	21	53.4	—			
11	3	54.5	—			
11	9	49.8	—	58.8	43.2	Light sea breeze.
11	15	46.2	—			
11	21	49.8	44.5			
12	3	60.3	46.0			
12	9	50.7	48.5	61.5	48.0	Calm and clear.
12	15	48.2	—			
12	21	53.2	49.0			
13	3	75.0	57.6			
13	9	66.0	55.8	75.4	54.3	Misty; a halo round the moon; calm.
13	15	62.2	56.2			
13	21	54.6	53.4			
14	3	50.8	49.5			
14	9	48.5	48.4	54.8	45.5	Squally; fresh breeze, N.W.
14	15	48.5	48.0			
14	21	50.0	44.0			
14	21	50.0	44.0			

* Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Weather and Remarks.	
		Air.	Dew Point.	Max.	Min.		
APRIL.							
D.	H.			°	°		
15	3	57°2	49°5	}	—	Strong squally gale, with rain. Thick, with hard rain; calm.	
15	9	45°0	40°8				
Sunday 21							
16	15	49°2	44°2	}	56°5	41°7	Strong N.W. squalls. Overcast; fresh breeze, northerly.
16	21	50°2	35°5				
17	3	57°5	51°2	}	59°0	51°5	Strong squally breeze. Squally. Strong squalls, W. by N. Strong breeze, N.W. Fresh squalls, N.W.
17	9	53°8	46°8				
17	15	53°6	44°2	}	63°2	52°5	Fresh squally breeze, W.N.W.; fine. Light breeze, N. Overcast.
17	21	58°5	48°2				
18	3	60°5	44°2	}	63°5	50°0	Overcast; calm. Overcast; moderate squally N.W. breeze Fresh, hot N.W. wind. Hazy.
18	9	55°5	45°5				
18	15	54°4	45°6	}	70°2	53°5	Light air, E. by S. Overcast; calm. Passing showers; overcast; calm. Overcast; gloomy; calm. Hazy; light N.W. air.
18	21	55°2	48°5				
19	3	62°4	50°0	}	60°7	41°2	Light breeze, W.N.W. Strong squally breeze, N.W. by N.
19	9	54°0	49°8				
19	15	50°0	48°2	}	55°8	41°5	Squally gale, abating. Passing showers and strong squalls. Overcast; squally gale, W. Squally gale, W.N.W. Hard rain, with squalls from S.E. Clear; light breeze from W. Squally, fresh breeze, W.S.W. Moderate S.E. breeze. Heavy bank of clouds E.S.E.; calm. Fresh breeze, W.N.W. Light showers. Moderate breeze, W. Calm and gloomy. Overcast. Heavily clouded. Calm; heavily clouded. Heavily clouded; light N. breeze.
19	21	55°6	52°0				
20	3	68°6	48°8	}	54°2	39°2	Light airs from E. Clear. Clear; light air, N.N.E. Fresh breeze, N.N.W.
20	9	61°8	51°2				
20	15	55°6	51°2	}	—	—	Hazy.
20	21	56°8	48°2				
21	3	55°0	42°6	}	68°2	47°0	Fresh breeze, N.W. by N.; clear.
21	9	49°0	38°5				
21	15	42°6	35°8	}	57°4	51°6	A general thin haze. Hazy; fresh N.W. breeze. Fresh breeze, N.W. by N. Hazy.
21	21	45°8	38°0				
22	3	51°8	34°4	}	—	—	
22	9	44°6	34°0				
Sunday 21							
23	15	44°8	34°0	}	47°7	37°3	Clear; light breeze from W. Squally, fresh breeze, W.S.W. Moderate S.E. breeze. Heavy bank of clouds E.S.E.; calm. Fresh breeze, W.N.W. Light showers. Moderate breeze, W. Calm and gloomy. Overcast. Heavily clouded. Calm; heavily clouded. Heavily clouded; light N. breeze.
23	21	44°8	35°5				
24	3	46°9	32°5	}	52°2	42°6	Light airs from E. Clear. Clear; light air, N.N.E. Fresh breeze, N.N.W.
24	9	42°8	32°6				
24	15	38°8	36°0	}	—	—	Hazy.
24	21	42°9	34°0				
25	3	46°0	36°6	}	54°2	39°2	Light airs from E. Clear. Clear; light air, N.N.E. Fresh breeze, N.N.W.
25	9	44°0	33°8				
25	15	42°2	36°6	}	—	—	Hazy.
25	21	47°8	39°5				
26	3	56°2	42°0	}	68°2	47°0	Fresh breeze, N.W. by N.; clear.
26	9	49°0	42°2				
26	15	44°2	38°5	}	57°4	51°6	A general thin haze. Hazy; fresh N.W. breeze. Fresh breeze, N.W. by N. Hazy.
26	21	47°2	37°0				
27	3	50°5	41°2	}	—	—	Hazy.
27	9	46°2	41°5				
27	15	44°0	38°7	}	68°2	47°0	Fresh breeze, N.W. by N.; clear.
27	21	45°0	39°8				
28	3	53°4	37°7	}	54°2	39°2	Light airs from E. Clear. Clear; light air, N.N.E. Fresh breeze, N.N.W.
28	9	42°6	39°2				
28	15	40°8	39°8	}	—	—	Hazy.
28	21	46°0	41°5				
29	3	62°6	47°0	}	—	—	
29	9	52°8	46°0				
Sunday 21							
30	15	48°0	43°4	}	68°2	47°0	Fresh breeze, N.W. by N.; clear.
30	21	51°2	44°0				
MAY.							
1	3	66°6	45°6	}	57°4	51°6	A general thin haze. Hazy; fresh N.W. breeze. Fresh breeze, N.W. by N. Hazy.
1	9	58°0	44°6				
1	15	53°0	46°5	}	—	—	
1	21	56°2	48°7				

Mean Time Van Diemen Island, Astronomical Reckoning.	TEMPERATURE.				Weather and Remarks.
	Air.	Dew Point.	Max.	Min.	
MAY.					
D. H.					
2 3	71°5	49°5	°	°	
2 9	62°0	47°1	} 72°2	54°4	
2 15	58°0	46°0			
2 21	59°5	50°1	} 66°2	52°7	Hazy.
3 3	62°7	56°0			
3 9	54°3	51°7	} 72°4	51°4	Overcast; calm.
3 15	56°2	47°2			
3 21	57°2	48°0	} 68°8	46°4	Clear and fine; damp.
4 3	71°2	48°8			
4 9	60°6	52°9	} —	—	Cloudless; strong breeze, N.W. by N.
4 15	55°2	52°4			
4 21	57°0	51°0	} 59°0	39°5	Clear; fresh breeze, W. N.W.
5 3	66°2	53°6			
5 9	54°0	43°0	} 56°6	37°0	Clear and fresh.
5 15	—	—			
5 21	49°8	40°1	} 57°2	47°2	Calm and clear.
6 3	54°8	40°2			
6 9	48°8	40°2	} 53°8	45°0	Strong squally breeze, N.W.
Sunday 21					
7 15	49°5	40°0	} 56°0*	43°8	Squally breeze, N.W.
7 21	48°0	36°8			
8 3	51°8	34°8	} 57°2	41°8	Light breeze, N.N.W.
8 9	46°2	—			
8 15	45°2	36°8	} —	—	Wind S.W. in squalls with showers.
8 21	50°5	41°6			
9 3	56°7	40°2	} 52°2	42°0	Cloudless, with light haze.
9 9	46°6	41°5			
9 15	41°6	38°1	} 60°2	46°2	Moderate breeze, N.W.
9 21	46°2	41°6			
10 3	55°0	44°8	} 55°2	49°3	Cloudless, with light haze.
10 9	44°6	43°1			
10 15	41°0	40°1	} 58°2	52°0	Light haze.
10 21	45°5	42°5			
11 3	54°8	43°2	} 61°0	42°2	Calm and misty.
11 9	51°4	44°3			
11 15	47°8	42°5	} 54°0	41°7	Calm; overcast with haze.
11 21	49°4	45°2			
12 3	57°8	50°0	} —	—	Overcast.
12 9	49°2	50°0			
12 15	45°2	43°4	} 52°0	42°0	Overcast.
12 21	42°8	43°0			
13 3	57°0	44°4	} 58°2	52°0	Fine; moderate breeze, N.W.
13 9	45°0	43°0			
Sunday 21			} 60°2	46°2	Calm and fine.
14 15	45°7	41°0			
14 21	46°0	41°8	} 55°2	49°3	Thick fog over the land
15 3	59°6	45°8			
15 9	49°7	45°2	} 52°2	42°0	Calm;
15 15	47°4	43°8			
15 21	48°2	45°5	} 58°2	52°0	Calm; thick fog.
16 3	54°8	48°4			
16 9	52°0	48°0	} 54°0	41°7	Calm, with cloudless sky.
16 15	54°5	49°8			
16 21	54°0	47°2	} 52°2	42°0	A general haze.
17 3	58°5	53°4			
17 9	54°8	52°5	} 60°2	46°2	Foggy and fresh breeze, N.W.
17 15	52°2	53°0			
17 21	55°8	51°6	} 55°2	49°3	Overcast, with much haze.
18 3	62°8	49°7			
18 9	51°0	47°2	} 58°2	52°0	Thin haze.
18 15	45°6	44°0			
18 21	43°5	43°2	} 52°0	42°0	Hazy.
19 3	53°8	50°1			
19 9	48°5	41°7	} 61°0	42°2	Overcast; light airs.
19 15	43°0	42°2			
19 21	45°6	40°2	} 54°0	41°7	Overcast; nearly calm.

* Taken from the highest hourly reading of the Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	
MAY.						
D.	H.					
20	3	52°8	40°8	—	—	
20	9	43°0	39°8	—	—	Calm.
Sunday 21						
21	15	42°8	40°6	51°0	38°8	Fresh breeze springing up in W.N.
21	21	48°0	40°2			Fresh, squally breeze, N.W.W
22	3	51°7	38°7			Fresh breeze, N. by W.
22	9	47°3	40°0	53°6	44°5	Fresh breeze, N.N.W.
22	15	45°0	40°0			Squalls, N.W.
22	21	48°6	36°3			Light airs and variable.
23	3	51°6	38°4			Overcast and gloomy.
23	9	48°2	44°2	52°8	44°5	Overcast and gloomy, with rain; calm.
23	15	—	—			
23	21	47°2	45°5			
24	3	56°4	47°8			Overcast and gloomy.
24	9	50°8	47°0	56°4	46°0	Overcast and gloomy.
24	15	48°5	48°2			
24	21	50°2	46°2			Gloomy and overcast.
25	3	49°0	50°4			Wind increasing, N.W.
25	9	53°2	46°8	58°7	49°4	Clear; light breeze, W.N.W.
25	15	50°0	46°5			
25	21	55°0	41°2			
26	3	56°3	31°0			
26	9	47°7	36°4	56°7	47°0	Clear and fine; strong breeze.
26	15	47°0	39°8			Clear; strong squally breeze.
26	21	50°6	36°8			Fine; wind fresh, N.N.W.
27	3	58°4	34°8			Hazy; wind light.
27	9	47°4	—	—	—	Nearly calm.
Sunday 21						
28	15	41°8	41°0	55°6	40°0	Much haze.
28	21	42°6	41°2			Clear; wind, W.N.W.; fresh.
29	3	55°0	43°2			Much haze.
29	9	44°0	41°2	56°3	37°0	Clear and fine; much dew.
29	15	39°6	39°0			Cloudless; heavy dew.
29	21	40°7	37°0			Overcast; hazy.
30	3	51°2	42°5			Overcast; calm.
30	9	46°2	44°0	56°0	44°5	Overcast and gloomy.
30	15	52°2	47°8			
30	21	54°0	52°0			Nearly calm.
31	3	58°0	50°6			Overcast; fresh breeze, N.N.W.
31	9	53°7	50°2	59°6	45°4	Calm; small rain.
31	15	49°5	48°5			Overcast.
31	21	46°6	46°3			Light breeze, N.W.
JUNE						
1	3	54°8	51°0			Fresh squalls, N.W.
1	9	46°8	40°0	56°8	44°4	Clear; fresh N.W. wind.
1	15	45°2	39°0			Hazy.
1	21	46°0	40°8			Wind light, W.N.W.
2	3	55°5	42°0			Overcast; calm.
2	9	47°8	42°0	58°3	43°3	Fresh squally gale, with rain.
2	15	43°6	41°4			Clear; fresh breeze, N.
2	21	44°9	43°4			Squalls from N.W., with showers.
3	3	55°0	42°4			Light N. breeze.
3	9	48°7	38°8	—	—	Strong squally breeze, W.N.W.
Sunday 21						
4	15	47°8	45°5	57°8	45°6	Fresh breeze, N.W.
4	21	46°6	44°2			Overcast and gloomy.
5	3	51°8	49°0			Overcast; calm.
5	9	48°0	47°5	53°0	43°2	Overcast; misty.
5	15	46°3	45°4			Overcast and gloomy.
5	21	45°2	43°0			Overcast and misty.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	
JUNE.						
D.	H.	°	°	°	°	
6	3	51·9	40·4	} 53·2	42·4	Clearing; light S.E. breeze.
6	9	46·4	38·8			Overcast; S.E. breeze increasing.
6	15	42·8	38·0			Overcast; fresh S.E. breeze.
6	21	43·8	31·7			
7	3	49·3	33·0	} 51·0	38·4	Fine.
7	9	44·0	36·5			Cloudless; light N.N.W. air.
7	15	40·0	36·0			Overcast and gloomy.
7	21	42·4	38·0			Calm.
8	3	52·5	44·0	} 54·2	43·5	Strong squally breeze, N.W.
8	9	50·0	39·0			Overcast; breeze continuing.
8	15	49·6	43·0			Misty; light breeze, N.W.
8	21	52·0	35·0			
9	3	55·5	41·0	} 59·0	49·6	
9	9	50·2	40·7			
9	15	53·0	43·0			
9	21	53·8	42·0			Fresh W.N.W. wind.
10	3	59·5	49·8	} —	—	
10	9	54·5	47·0			
Sunday	21			} 62·5	48·8	Light N.E. air.
11	15	49·0	46·4			Overcast, with haze; calm.
11	21	52·0	47·0	} 58·6	48·3	Overcast; a slight shower.
12	3	56·8	47·6			Overcast and gloomy.
12	9	50·5	49·6			
12	15	49·5	47·2			Wind fresh, N.W.
12	21	49·8	45·6	} 57·2	44·2	Calm; light showers.
13	3	54·2	48·5			Calm and clear.
13	9	46·8	44·2			Overcast; light N.W. wind.
13	15	45·0	42·0			Moderate N.N.W. breeze.
13	21	47·5	43·2	} 55·0	42·4	Fine; moderate N.W. breeze.
14	3	53·0	36·0			Overcast; light N.N.W. wind.
14	9	43·8	39·0			
14	15	43·5	39·3			
14	21	44·5	39·0	} 55·2	41·0	Overcast; moderate N.W. breeze.
15	3	53·8	40·6			Overcast; fresh N.W. breeze.
15	9	48·0	41·0			Calm.
15	15	42·5	40·1			Overcast; light hazy clouds.
15	21	46·2	40·6	} 55·1	39·5	Cloudless; damp and misty.
16	3	53·2	44·6			Fine; a light N.W. air.
16	9	42·3	41·0			Fine; fresh N.W. breeze.
16	15	42·0	41·0			
16	21	42·5	40·0	} —	—	Clear; fresh N.W. breeze.
17	3	52·6	42·0			
17	9	47·7	45·2			
Sunday	21			} 54·0	40·3	Overcast and squally.
18	15	42·4	40·0			Squally; wind, N.W.
18	21	41·7	40·2	} 55·2	41·4	
19	3	53·8	48·4			Fresh N.N.W. breeze.
19	9	50·8	44·4			
19	15	49·0	41·0			
19	21	49·5	44·6	} 57·0	46·6	Strong squalls, N.W.
20	3	53·2	40·0			Fresh squally breeze, W.N.W.
20	9	49·2	43·0			Fine, with haze.
20	15	48·6	44·4			Fine, with light clouds.
20	21	48·8	39·0	} 55·6	39·0	Fresh breeze, N.W.
21	3	53·8	39·8			Fresh W.N.W. breeze.
21	9	44·1	41·2			Wind light.
21	15	41·4	40·0			
21	21	40·3	38·5	} 55·8	39·7	
22	3	52·5	44·0			Fresh N.W. wind.
22	9	51·6	44·0			
22	15	49·0	41·8			
22	21	48·5	43·0		Fresh N.W. wind.	

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	
JUNE.						
D.	H.					
23	3	53°5	40°0	°	°	Fine.
23	9	46°0	40°0	} 55°5	37°0	Fine.
23	15	42°2	38°5			Overcast, with broken clouds.
23	21	37°8	36°0			
24	3	50°5	40°6	} —	—	Fine.
24	9	44°5	43°0			Overcast; light N.W. wind.
Sunday 21						
25	15	48°0	48°0	} 52°2	38°0	Heavy showers; wind S.
25	21	47°5	47°1			Overcast, with rain.
26	3	47°6	40°0	} 54°0	43°2	Fresh S. wind, with showers.
26	9	43°8	43°8			Overcast, with rain; wind S.S.E.
26	15	43°9	42°4			Drizzling rain; wind fresh, S.S.E.
26	21	45°5	45°0	} 47°2	44°3	Heavy rain; wind S.S.E.
27	3	46°3	45°0			Hard rain; fresh S.E. breeze.
27	9	45°1	43°8	} 47°2	44°3	Heavy rain; fresh S. breeze.
27	15	44°5	44°5			Heavy rain; fresh S. breeze.
27	21	46°0	45°0			Rain continuing; fresh S. breeze.
28	3	48°0	46°8	} 49°0	44°8	Rain continuing; fresh S. breeze.
28	9	46°2	44°8			Rain intermitting.
28	15	46°4	46°0	} 50°0	41°0	Heavy showers; wind S.
28	21	45°5	45°8			Heavy showers; light S. breeze.
29	3	48°8	46°0			Heavy showers; light S. breeze.
29	9	46°2	46°0	} 48°5	38°3	Passing showers; wind W.S.W., light.
29	15	43°3	42°0			Clear; a light W. breeze.
29	21	43°2	42°0			Overcast; calm.
30	3	48°5	44°6	} 48°5	38°3	Light W.N.W. breeze.
30	9	44°0	43°0			Calm; a thick mist.
30	15	39°0	39°0			Thick fog; a moderate N.W. breeze.
30	21	39°0	38°0			
JULY.						
1	3	45°5	43°6	} 49°0	38°5	Overcast; calm.
1	9	44°5	44°7			Calm; light rain.
Sunday 21						
2	15	41°3	39°6	} 47°8	42°7	Heavy dew; wind N.N.W., light.
2	21	42°5	42°0			Misty.
3	3	48°3	46°6			Overcast; calm.
3	9	46°1	—	} 51°4	44°8	Drizzling rain; wind S., light.
3	15	46°4	45°4			Gloomy; wind S.
3	21	48°2	—	} 52°2	43°0	Showery; wind E.S.E.
4	3	50°0	48°8			Overcast, with rain; calm.
4	9	48°8	48°1			Rain ceased.
4	15	47°8	47°0	} 50°2	43°9	Light air, N.W.
4	21	46°8	46°5			Heavy rain; light air, N.W.
5	3	50°8	47°0	} 52°2	43°0	Overcast and foggy.
5	9	48°5	48°5			Foggy; clear in zenith.
5	15	45°6	45°0			Overcast, with showers.
5	21	44°0	42°5	} 50°2	43°9	Strong breeze, S.E. by E.; showers.
6	3	49°2	48°5			Light rain; nearly calm.
6	9	48°0	—	} 50°3	45°5	Overcast; rain; wind S.S.E., light.
6	15	45°5	43°0			Continued rain; a light air, N.W.
6	21	46°0	45°6			Overcast; heavy rain; calm.
7	3	47°5	44°2	} 50°3	45°5	Heavy rain.
7	9	46°8	46°6			Heavy rain; wind fresh, S.S.E.
7	15	45°8	45°4	} 48°5	33°5	Rain ceased.
7	21	46°5	46°5			Wind S.S.E., moderate.
8	3	47°0	42°0			Fine; light breeze, W.N.W.
8	9	44°0	41°0	} 48°5	33°5	Clear.
Sunday 21						
9	15	35°2	34°2	} 48°5	33°5	Fine; light breeze, W.N.W.
9	21	36°3	34°2			Clear.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	
JULY:						
D.	H.	°	°	°	°	
10	3	45.5	41.8	48.0	37.8	Calm and clear.
10	9	38.0	38.0			
10	15	38.8	39.0	48.0	37.8	Calm; overcast.
10	21	46.0	46.0			
11	3	49.7	48.0	51.8	41.6	Drizzling rain; light S.E. breeze.
11	9	48.2	48.0			
11	15	43.0	43.0	51.8	41.6	Continued rain; light S.S.W. wind.
11	21	45.2	42.8			
12	3	50.6	42.5	51.4	39.2	Rain ceased; overcast.
12	9	46.5	44.6			
12	15	41.8	41.5	51.4	39.2	Partially clear; wind N.W.
12	21	40.3	32.5			
13	3	44.5	38.0	49.2	36.1	Overcast; light N.W. breeze.
13	9	42.0	38.4			
13	15	37.7	36.2	49.2	36.1	Squally; wind W.N.W., fresh.
13	21	38.2	37.2			
14	3	48.0	42.0	49.0	38.4	Wind N.N.W., fresh with rain.
14	9	43.2	43.0			
14	15	41.5	40.4	49.0	38.4	Continued rain; wind S.E.
14	21	44.0	42.0			
15	3	53.7	44.5	—	—	Moderate S. wind, and fine.
15	9	45.7	44.6			
Sunday 21						Clear, with showers; fresh breeze, S.S.W.
16	15	41.0	40.0	56.8	40.5	Calm.
16	21	44.5	40.5			
17	3	50.0	42.0	51.0	40.6	Fine.
17	9	44.6	42.6			
17	15	42.8	42.0	51.0	40.6	Wind moderate, N.N.W.
17	21	43.2	40.0			
18	3	49.2	43.2	51.2	40.6	Overcast; light N.W. breeze.
18	9	43.5	41.0			
18	15	41.4	39.9	51.2	40.6	Clearing; fresh N.W. breeze.
18	21	42.8	41.2			
19	3	51.8	43.2	53.5	34.0	Passing showers.
19	9	40.8	40.8			
19	15	37.0	36.0	53.5	34.0	Strong N. wind.
19	21	—	—			
20	3	46.8	41.2	47.2	36.4	Fine; wind N.W., moderate.
20	9	37.0	35.0			
20	15	37.0	35.7	47.2	36.4	Fine; wind N.W., fresh.
20	21	39.9	40.3			
21	3	45.3	41.4	47.0	36.5	Overcast; rain; wind W.N.W., light.
21	9	42.2	41.6			
21	15	39.0	39.0	47.0	36.5	Rain ceased.
21	21	37.7	35.8			
22	3	45.5	38.4	—	—	Clear; moderate breeze, N.N.W.
22	9	40.2	38.6			
Sunday 21						Clear, light air; N.N.W.
23	15	32.9	32.2	45.0	31.2	Calm and clear.
23	21	33.0	28.0			
24	3	43.5	39.0	42.2	31.5	Fine; wind N.N.W., light.
24	9	35.8	35.8			
24	15	33.2	33.6	42.2	31.5	Overcast; calm.
24	21	33.8	33.2			
25	3	45.5	41.7	46.0	33.2	Continued rain; calm.
25	9	41.0	40.0			
25	15	36.7	—	46.0	33.2	Fine; wind N.N.W., light.
25	21	38.2	37.1			
26	3	50.8	41.0	50.0	37.2	Overcast; calm.
26	9	44.5	38.2			
26	15	41.2	33.8	50.0	37.2	Calm.
26	21	45.5	40.0			
						Thick fog; wind light, N.W.
						A little hail; wind fresh, N.W.
						Strong breeze, N.N.W.; foggy.
						Fresh squalls, N.W.; fine, with frost.
						Thin mist.
						Overcast; fresh breeze, W.N.W.
						Fine; wind N.W., fresh.
						Clear; wind N.W., fresh.
						Clear; fresh breeze.
						Strong breeze, N.N.W., with rain.

Mean Time Van Diemen Island, Astronomical Reckoning.	TEMPERATURE.				Weather and Remarks.
	Air.	Dew Point.	Max.	Min.	
JULY.					
D. H.					
27 3	46°3	40°4	°	°	
27 9	43°2	—	} 45°8	41°2	Fresh N.W. breeze.
27 15	42°2	38°3			
27 21	46°2	42°5	} 55°0	47°0	Fresh breeze, N. by W.
28 3	55°0	45°8			
28 9	51°8	44°8	} 55°0	47°0	Strong breeze, N.W.
28 15	52°2	46°0			
28 21	54°8	46°2	} —	—	Strong squally N.N.W. wind.
29 3	56°5	53°0			
29 9	53°0	47°0	} —	—	Fresh gale, N.N.W.
Sunday 21					
30 15	47°8	38°5	} 56°2	43°3	Overcast, with rain.
30 21	47°9	39°6			
31 3	46°0	39°8	} 50°8	39°2	Fresh breeze, N.W.
31 9	41°4	36°2			
31 15	41°0	37°0	} —	—	Strong squally breeze, N.W.
31 21	45°0	38°2			
AUGUST.					
1 3	48°8	40°0	} 51°2	38°8	Heavy squalls, N.W., with rain.
1 9	40°0	36°0			
1 15	39°2	36°0	} 47°3	35°6	Heavy squalls, E.; showers.
1 21	42°5	38°8			
2 3	48°9	36°2	} 50°8	44°8	Fine, with moderate N.N.W. air.
2 9	42°5	37°0			
2 15	37°0	35°2	} 52°5	44°2	Hazy; a moderate breeze, N.N.W.
2 21	40°6	36°6			
3 3	50°2	40°8	} —	—	Calm and clear.
3 9	46°2	44°2			
3 15	45°7	42°0	} 52°5	44°2	Clear fresh breeze, N.W.
3 21	47°8	41°8			
4 3	49°8	42°0	} 52°5	44°2	Slight rain.
4 9	47°0	42°0			
4 15	45°3	41°0	} —	—	Fine, with light haze.
4 21	46°5	39°0			
5 3	49°0	37°1	} —	—	Fresh N.W. wind.
5 9	42°2	30°8			
Sunday 21			} 52°8	40°6	Fine; moderate N.W. wind.
6 15	44°0	39°0			
6 21	47°6	37°5	} 53°8	47°8	Squally.
7 3	53°0	42°0			
7 9	50°2	41°0	} 58°0	50°7	Squally, with showers.
7 15	50°0	41°6			
7 21	52°0	41°0	} 55°2	48°0	Fresh W. gale in gusts, with mists.
8 3	58°2	40°4			
8 9	51°2	42°2	} 55°2	48°0	Strong squally N.W. wind.
8 15	51°8	40°6			
8 21	55°4	41°6	} —	—	Strong breeze, with squalls, N.N.W.
9 3	54°5	50°0			
9 9	51°2	48°1	} 56°5	44°8	Strong squally gale, N.N.W.
9 15	50°2	47°0			
9 21	49°0	48°0	} 52°2	42°1	Overcast; strong N.W. gale.
10 3	57°0	46°0			
10 9	50°0	49°0	} —	—	Heavy gale in violent gusts, N.W.
10 15	46°4	44°4			
10 21	47°0	46°0	} —	—	Nearly calm.
11 3	51°7	48°8			
11 9	48°5	42°6	} 58°0	42°0	Calm.
11 15	44°5	40°2			
11 21	47°2	42°8	} —	—	Calm; overcast.
12 3	46°5	42°2			
12 9	49°0	45°0	} 56°5	44°8	Calm; foggy.
Sunday 21					
13 15	46°0	41°4	} 52°2	42°1	Calm, with fog.
13 21	47°0	43°0			
			} —	—	Fine; moderate N.W. wind.
			} —	—	Calm and clouded.
			} 58°0	42°0	Fresh breeze, N.W.
			} —	—	Fine.

Mean Time Van Diemen Island, Astronomical Reckoning.	TEMPERATURE.				Weather and Remarks.
	Air.	Dew Point.	Max.	Min.	
AUGUST.					
D. H.					
14 3	57°2	45°7	} 58°7	40°4	Calm.
14 9	47°6	43°8			Fresh breeze, N.W.
14 15	43°5	43°0			Fresh W. wind, with fog.
14 21	43°2	41°7	} 56°4	40°0	Calm, with much haze.
15 3	56°0	45°4			Fine.
15 9	43°9	41°5			Overcast.
15 15	41°0	40°8	} 54°0	43°2	Moderate S.S.E. wind, with rain.
15 21	42°0	39°0			Fine; light E. wind.
16 3	55°2	46°0			Light squalls and showers, S.
16 9	45°8	44°0	} 48°3	39°7	Nearly calm.
16 15	45°3	45°5			Fresh westerly breeze.
16 21	45°0	37°0			Overcast; fresh N.W. wind.
17 3	48°3	40°3	} 54°2	38°8	Fine; moderate N.W. breeze.
17 9	40°5	33°3			Much haze.
17 15	40°5	35°0			Fine.
17 21	45°8	41°6	} —	—	Overcast; with light rain.
18 3	55°2	41°5			Hazy.
18 9	46°8	40°5			Hazy; moderate S.W. wind.
18 15	41°5	40°0	} 51°2	35°7	Clear; nearly calm.
18 21	43°2	38°7			Heavy dew.
19 3	54°5	41°0			Clear and fine; fresh N.W. wind.
19 9	46°0	43°0	} 54°2	37°6	Fine.
Sunday 21	44°5	41°0			Fine; moderate N.W. wind.
20 15	44°3	42°4			Light squalls, N.W.
20 21	52°2	40°7	} 57°1	43°0	Constant light rains; wind, S.E.
21 3	40°7	36°5			Drizzling rain; wind, S.E. light.
21 9	37°0	35°0			Overcast; wind, S.E. light.
21 15	40°8	37°5	} 48°5	36°2	Overcast; wind light, S.
21 21	54°8	39°0			Clear; wind light, N.
22 3	43°2	39°0			Fine; fresh N.W. wind.
22 9	42°3	34°2	} 53°2	42°2	Overcast; calm; light rain.
22 15	43°0	—			Fine; moderate N.W. wind.
22 21	57°6	44°2			Overcast; wind fresh, N.W.
23 3	48°0	47°0	} 61°8	—	Overcast; light rain; calm.
23 9	45°5	43°2			Overcast; sultry; nearly calm.
23 15	47°0	42°2			Squalls and showers, N.N.W.
23 21	50°0	44°0	} 58°0	40°6	Fine.
24 3	43°4	37°6			Clear.
24 9	38°5	36°0			Fresh S. breeze; squally.
24 15	40°8	37°8	} 57°7	33°2	Fresh W. gale, with sleet squalls.
24 21	54°2	46°0			Strong squally S.W. wind.
25 3	51°2	48°7			Strong S. gale, with snow squalls.
25 9	48°0	47°0	} 43°2	35°5	Squally gale, S.S.W.
25 15	47°3	45°0			Strong squally W.S.W. wind.
25 21	61°8	49°0			Strong S. gale; overcast.
26 3	55°3	47°5	} 47°0	42°0	Strong squalls, with rain from S.
26 9	55°0	55°0			Squally, with fresh S.S.W. breeze.
Sunday 21	56°5	53°0			Overcast and misty; calm.
27 15	55°2	54°0	} 58°0	40°6	Overcast; light rain; calm.
27 21	48°5	41°0			Overcast; sultry; nearly calm.
28 3	43°3	39°4			Squalls and showers, N.N.W.
28 9	49°5	43°0	} 57°7	33°2	Fine.
28 15	53°8	38°8			Clear.
28 21	42°2	33°6			Fresh S. breeze; squally.
29 3	36°6	31°0	} 43°2	35°5	Fresh W. gale, with sleet squalls.
29 9	37°4	27°4			Strong squally S.W. wind.
29 15	38°8	33°5			Strong S. gale, with snow squalls.
29 21	38°4	35°7	} 47°0	42°0	Squally gale, S.S.W.
30 3	40°0	32°0			Strong squally W.S.W. wind.
30 9	44°4	35°0			Strong S. gale; overcast.
30 15	48°2	40°0	} 47°0	42°0	Strong squalls, with rain from S.
30 21	45°2	41°0			Squally, with fresh S.S.W. breeze.
31 3	45°0	38°0			Overcast and misty; calm.
31 9	45°0	39°0			
31 15					
31 21					

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	
SEPTEMBER.						
D.	H.			°	°	
1	3	51°7	43°3	} 50°3	38°4	Overcast; calm. Light breeze, S.W. Light hazy clouds.
1	9	45°0	42°4			
1	15	39°0	38°2	}		Fine; light breeze, N.W.
1	21	43°7	—			
2	3	56°0	—	}	—	
2	9	48°8	43°2			
Sunday 21						
3	15	41°1	35°2	} 57°0	40°5	Clear. Moderate, N.N.W. wind.
3	21	48°2	39°0			
4	3	53°7	35°4	}		Fine. Fine, nearly calm.
4	9	44°0	37°2			
4	15	38°2	35°4	} 65°7	36°3	Fine; clear. Fine.
4	21	43°5	—			
5	3	47°5	42°4	}		Rain; light S.E. wind. Fine; light S.S.E. wind.
5	9	41°6	39°6			
5	15	38°6	38°0	} 58°5	37°2	Fine. Fine; fresh N.N.W. wind.
5	21	43°2	40°4			
6	3	53°5	43°0	}		Fine.
6	9	41°2	40°0			
6	15	37°8	36°2	} 58°0	36°0	
6	21	42°0	36°0			
7	3	50°3	44°3	}		Overcast; with light rain. Clear; strong N.W. wind.
7	9	46°3	41°4			
7	15	41°0	36°8	} 55°8	39°3	
7	21	45°9	40°2			
8	3	52°0	38°0	}		Squally; N.W. by N. breeze; light rain. Misty.
8	9	45°3	35°5			
8	15	41°2	38°0	} 57°8	40°7	Overcast; calm.
8	21	46°3	39°2			
9	3	58°5	41°0	}		Strong N.N.W. wind; sultry. Fine; wind N.W., light.
9	9	48°2	39°0			
Sunday 21						
10	15	48°8	43°0	} 66°2	39°0	Overcast.
10	21	51°7	45°6			
11	3	58°7	41°0	}		Wind N.W., fresh in squalls.
11	9	47°7	37°8			
11	15	44°0	37°0	} 69°5	40°8	Overcast and hazy; calm.
11	21	47°0	37°7			
12	3	52°0	38°0	}		
12	9	45°0	37°0			
12	15	40°8	36°1	} 57°6	40°0	
12	21	46°0	36°0			
13	3	47°2	39°6	}		Overcast, with rain; fresh sea breeze. Overcast, thick.
13	9	42°0	39°8			
13	15	40°2	38°7	} 59°2	38°5	Continued showers of rain.
13	21	41°8	37°8			
14	3	51°8	31°5	}		Overcast; a strong N.W. wind.
14	9	42°0	33°0			
14	15	41°5	36°0	} 56°2	40°4	
14	21	44°8	34°5			
15	3	50°0	39°0	}		Strong N.N.W. wind in squalls. Light showers; wind S.W.
15	9	45°0	35°0			
15	15	41°3	35°5	} 56°5	40°0	Fine; wind N.W., fresh. Small rain; a S.W. squall.
15	21	44°4	34°0			
16	3	50°7	31°4	}		Light showers; wind S.S.W., fresh. Fine.
16	9	41°7	33°2			
Sunday 21						
17	15	38°0	35°0	} 60°5	36°8*	Much haze. A light haze.
17	21	43°5	35°8			
18	3	55°5	44°0	}		
18	9	45°8	42°0			
18	15	43°0	40°8	} 60°2	42	
18	21	51°0	43°0			

* Lowest hourly reading, Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	
SEPTEMBER.						
D.	H.					
19	3	56°9	41°4	°	°	
19	9	49°2	45°6	} 62°8	43°3	
19	15	44°6	43°7			
19	21	48°4	43°3			
20	3	54°5	45°5	} 62°6	42°3	Fresh; N.N.W. wind. Drizzling rain; wind variable.
20	9	47°0	35°4			
20	15	45°0	38°0			
20	21	49°3	38°9	} —	46°8	Fine; wind N.N.W.; light. Fine; a fresh N.N.W. breeze.
21	3	60°6	39°6			
21	9	49°5	39°0			
21	15	47°2	41°0	} —	44°8	Clear, with thin haze.
21	21	56°0	43°6			
22	3	58°6	—			
22	9	50°5	40°5	} —	44°8	Overcast; strong gale; N.W. Overcast; squally; N.W. Fine; a fresh N.N.W. wind. Fine; nearly calm.
22	15	46°0	40°5			
22	21	48°4	34°2			
23	3	53°2	37°5	} —	—	
23	9	43°3	32°0			
Sunday 21						
24	15	45°0	37°8	} —	39°0	Clear; fresh N.W. wind. Fine; wind N.W.; light.
24	21	53°2	43°0			
25	3	60°8	42°7			
25	9	51°2	38°6	} —	50°6	Squalls, with a little rain. Calm and hazy.
25	15	33°0	39°6			
25	21	58°4	45°4			
26	3	67°0	47°0	} —	53°6	Hard gale, N.W. Fresh breeze, N.W.; squally. Hot, oppressive N.W. wind. Overcast; squalls from N.W.
26	9	57°5	44°2			
26	15	55°8	42°0			
26	21	57°5	48°2	} —	65°0	Overcast; wind N.N.W.; light. Fresh N.W. hot wind. Strong N.W. hot wind. Strong N.W. breeze, with heavy clouds. Overcast and gloomy.
27	3	76°0	44°0			
27	9	66°2	43°0			
27	15	69°7	39°2	} —	49°6	Overcast, with light rain. Heavy clouds; light E.S.E. air. Rain in squalls; wind N.W. Overcast; showery.
27	21	67°8	46°0			
28	3	63°9	51°8			
28	9	54°5	50°8	} —	41°0	Rain in squalls; wind N.N.W. Squally gale from N.W. Fresh N.E. wind in squalls. Squally, with showers from N.N.W.
28	15	51°3	46°0			
28	21	52°0	44°8			
29	3	55°8	43°5	} —	—	Fine; wind N.W.; moderate. Fine.
29	9	47°2	34°5			
29	15	43°0	36°0			
29	21	45°0	37°0	} —	—	
30	3	51°2	39°0			
30	9	44°8	37°0			
Sunday 21						
OCTOBER.						
1	15	43°3	35°4	} —	41°5	Fine; fresh W.S.W. breeze. Fine.
1	21	52°8	40°0			
2	3	60°7	39°5			
2	9	46°2	38°0	} —	38°5	Nearly calm.
2	15	39°0	35°0			
2	21	50°2	39°5			
3	3	67°5	46°0	} —	48°6	Clear and fine. Fine. Calm and fine. Fine; fresh W.N.W. wind.
3	9	62°0	44°0			
3	15	50°2	34°8			
3	21	48°8	42°0	} —	54°4	Fine. Hazy; strong N.N.W. hot wind. Suddenly clouded. Overcast; hot N.W. wind. Light rain; moderate N.N.W. wind.
4	3	59°8	42°0			
4	9	73°9	—			
4	15	61°4	48°2	} 75°6	45°2	A squally N.W. gale. Fine; a fresh N.W. breeze.
4	21	58°2	51°4			
5	3	55°4	48°2			
5	9	67°5	38°0	} 69°8	45°2	
5	15	48°9	39°0			
5	21	46°2	39°5			
						Overcast.

Mean Time Van Diemen Island, Astronomical Reckoning.	TEMPERATURE.				Weather and Remarks.
	Air.	Dew Point.	Max.	Min.	
OCTOBER.					
D. H.					
6 3	52°6	38°0	°	°	
6 9	54°0	35°0	58°0	41°2	
6 15	45°0	37°2			
6 21	42°0	38°0	—	—	Fine.
7 3	52°2	46°7			
7 9	64°0	45°6			Showers; moderate E. breeze. Fine; light easterly airs.
Sunday 21					
8 15	52°3	42°0	69°2	44°3	
8 21	47°0	38°0			
9 3	54°7	43°0	70°0	51°2	Entirely overcast.
9 9	69°0	45°0			
9 15	58°2	47°4	—	—	Hazy; hot fresh N.W. wind. Overcast; wind W.N.W. Overcast.
9 21	52°6	49°2			
10 3	57°7	44°7	59°0	41°6	Heavily clouded; fresh S.S.E. wind. Fine; fresh S.E. breeze.
10 9	49°1	42°3			
10 15	42°4	40°2	—	—	Calm.
10 21	55°3	45°2			
11 3	65°5	45°5	68°5	47°4	Squally gale, N.W.
11 9	58°0	45°4			
11 15	49°0	37°7	—	—	Clear.
11 21	55°8	39°2			
12 3	62°5	35°0	64°5	40°3	Fresh; N.W. wind.
12 9	49°0	34°0			
12 15	41°7	34°6	—	—	Fine. Clear.
12 21	52°7	36°2			
13 3	65°2	38°7	68°8	40°8	Fresh; N.W. wind.
13 9	51°2	—			
13 15	43°5	34°5	—	—	Squally. Light rain.
13 21	52°0	34°0			
14 3	61°8	33°2	—	—	
14 9	52°0	36°5			
Sunday 21					
15 15	40°0	33°8	64°0	39°3	Fresh, squally breeze, N.W.
15 21	46°5	41°5			
16 3	62°0	43°2	63°8	46°4	Fresh N.N.W. wind. Overcast, with light showers. Light showers.
16 9	52°6	40°6			
16 15	50°0	41°8	—	—	Nearly calm.
16 21	59°3	46°5			
17 3	67°8	42°3	70°0	51°3	
17 9	54°2	43°1			
17 15	51°5	44°0	—	—	Fresh, squally N.W. wind.
17 21	55°8	46°5			
18 3	71°4	47°5	72°5	50°3	Fresh, warm N.W. wind.
18 9	56°5	36°0			
18 15	52°4	40°3	—	—	Fine. Fresh, squally N.W. wind. Densely overcast.
18 21	54°5	30°0			
19 3	61°2	29°2	64°0	38°2	Light variable winds. Strong squally breeze, S.S.W.
19 9	48°2	38°0			
19 15	39°0	33°2	—	—	Calm and clear.
19 21	53°2	34°6			
20 3	60°3	47°0	61°8	45°6	Calm. Calm. Much haze.
20 9	48°4	45°0			
20 15	46°0	42°0	—	—	Clear; nearly calm.
20 21	54°0	38°7			
21 3	58°7	51°0	—	—	Overcast. Overcast.
21 9	51°2	49°0			
Sunday 21					
22 15	45°0	35°2	70°8	44°3	Clear and calm.
22 21	52°6	37°5			
23 3	58°2	36°5	64°5	48°0	
23 9	52°0	40°4			
23 15	48°5	39°0	—	—	Moderate W. breeze.
23 21	50°5	41°5			

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	
OCTOBER.						
D.	H.			°	°	
24	3	62°0	42°0	} 65°2	53°8	Fresh; N.W. hot wind. Heavily overcast; fresh gale, N.W.
24	9	55°0	43°0			
24	15	60°0	44°0	} 67°0	42°4	Clear; moderate N.W. wind.
24	21	60°2	41°0			
25	3	60°4	36°4	} 75°8	51°2	Sea breeze. Fine. Hot sultry air, N.W.
25	9	52°2	36°0			
25	15	44°5	38°6	} 70°5	47°7	Overcast, with rain. Overcast. Fresh S.W. wind.
25	21	56°8	43°5			
26	3	71°5	52°2	} —	—	Thick haze.
26	9	61°2	46°0			
26	15	52°5	43°0	} 65°8	40°6	Squalls and showers, N.N.W.
26	21	59°5	52°0			
27	3	63°5	57°0	} 56°5	44°5	Fresh N.W. squalls.
27	9	52°5	48°0			
27	15	48°0	38°4	} 63°8	47°6	Squally, with showers, N.N.W. Hazy. Densely overcast; nearly calm.
27	21	52°5	37°0			
28	3	62°3	43°0	} —	—	
28	9	51°8	45°0			
Sunday 21						
29	15	41°8	37°0	} 65°8	40°6	Squalls and showers, N.N.W.
29	21	48°2	40°0			
30	3	55°0	36°0	} 56°5	44°5	Fresh N.W. squalls.
30	9	46°5	39°0			
30	15	45°6	38°3	} 63°8	47°6	Squally, with showers, N.N.W. Hazy. Densely overcast; nearly calm.
30	21	55°0	42°5			
31	3	60°8	44°0	} 63°8	47°6	Squally, with showers, N.N.W. Hazy. Densely overcast; nearly calm.
31	9	51°2	41°2			
31	15	48°0	42°5	} —	—	
31	21	57°2	43°5			
NOVEMBER.						
1	3	73°2	50°2	} 76°5	55°3	Fine. Sultry, with a cirrhous haze. Strong squally hot wind, N.W.
1	9	61°5	49°6			
1	15	56°0	42°0	} 91°5	54°5	Calm.
1	21	66°0	51°5			
2	3	89°8	47°0	} 67°3	51°8*	Wind E., light, with rain. Overcast and hazy. Hazy. Fresh breeze. Squalls and light showers, S.W.
2	9	64°5	52°0			
2	15	55°0	52°0	} —	—	
2	21	61°0	55°0			
3	3	61°5	57°0	} 69°5	49°6	Hazy. Strong N.W. wind.
3	9	56°4	55°6			
3	15	51°8	43°7	} 67°0	50°0	Thick haze; fresh N.W. wind. Strong squally breeze N.W.
3	21	59°7	47°4			
4	3	61°8	45°0	} 73°2	50°0	Nearly cloudless; fresh N.W. breeze. Much haze; gale increasing, N.W.
4	9	53°5	40°2			
Sunday 21						
5	15	50°0	41°8	} 69°5	49°6	Hazy. Strong N.W. wind.
5	21	57°7	44°5			
6	3	64°8	46°0	} 67°0	50°0	Thick haze; fresh N.W. wind. Strong squally breeze N.W.
6	9	53°7	44°8			
6	15	51°0	37°0	} 73°2	50°0	Nearly cloudless; fresh N.W. breeze. Much haze; gale increasing, N.W.
6	21	59°7	39°0			
7	3	68°5	40°4	} 73°5	47°5	Wind fresh, N.W.
7	9	56°8	43°5			
7	15	51°5	42°0	} 61°5	47°3	Fresh breeze, S.W. Strong squalls from W. Much haze; wind N.W., strong. Fresh squally breeze, W.N.W. Nearly overcast; squally.
7	21	60°0	36°5			
8	3	72°5	35°0	} 73°5	47°5	Wind fresh, N.W.
8	9	55°0	38°0			
8	15	48°2	39°0	} 61°5	47°3	Fresh breeze, S.W. Strong squalls from W. Much haze; wind N.W., strong. Fresh squally breeze, W.N.W. Nearly overcast; squally.
8	21	50°8	34°0			
9	3	56°9	28°8	} 61°5	47°3	Fresh breeze, S.W. Strong squalls from W. Much haze; wind N.W., strong. Fresh squally breeze, W.N.W. Nearly overcast; squally.
9	9	49°3	31°0			
9	15	48°0	39°2	} —	—	
9	21	58°8	45°2			

* Lowest hourly reading of the Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	
NOVEMBER.						
D.	H.			°	°	
10	3	65°0	43°0	} 68°5	52°7	Strong squally breeze, N.W.
10	9	54°5	42°6			Fresh gale; strong squalls, N.W.
10	15	53°0	43°0	} 68°5	52°7	
10	21	57°0	45°5			Moderate N.W. wind.
11	3	63°4	45°4	} —	—	Hard squalls and showers, W.S.W.
11	9	50°2	31°0			Fresh breeze, W.S.W.
Sunday 21						
12	15	46°7	43°0	} 68°8	45°3	Overcast; calm.
12	21	52°2	48°0			Overcast; calm.
13	3	72°8	44°6	} 75°0	52°2	Hazy.
13	9	57°0	47°2			Nearly calm.
13	15	53°4	46°0	} 75°0	52°2	
13	21	61°3	45°0			Nearly calm.
14	3	65°0	50°0	} 67°0	51°6	Densely overcast; calm.
14	9	53°0	52°4			Clearing; calm.
14	15	54°0	50°0	} 67°0	51°6	Overcast; calm.
14	21	61°8	43°8			Wind fresh, E.S.E.
15	3	70°0	39°6	} 73°8	50°2	Slight rain.
15	9	57°2	50°4			Much haze; calm.
15	15	51°5	39°7	} 73°8	50°2	Hazy.
15	21	60°0	38°0			Fresh squally breeze, W.
16	3	68°5	40°4	} 71°5	47°2	Calm and hazy.
16	9	55°2	37°5			
16	15	48°5	40°0	} 71°5	47°2	
16	21	63°2	45°0			Calm and hazy.
17	3	71°0	54°0	} 73°5	58°4	Fresh sea breeze.
17	9	62°0	57°0			Calm; heavy thunder and lightning.
17	15	59°4	57°5	} 73°5	58°4	Calm; distant thunder and lightning.
17	21	69°8	63°5			Nearly calm; sultry.
18	3	72°2	49°0	} —	—	A fresh gale, and hot wind, N.W.
18	9	79°5	67°0			Heavy showers, and one of large hailstones.
Sunday 21						
19	15	54°5	53°0	} 94°5	53°5	Calm; much thunder and lightning, with heavy showers.
19	21	57°5	54°2			Overcast; nearly calm.
20	3	60°0	56°8	} 62°5	45°8	Overcast, with showers.
20	9	51°0	48°0			
20	15	47°6	43°2	} 62°5	45°8	Calm and clear.
20	21	57°2	44°2			
21	3	62°7	42°8	} 62°9	46°6	Squalls from S.
21	9	51°7	40°8			
21	15	48°8	41°0	} 62°9	46°6	Fine.
21	21	56°8	43°0			Overcast; nearly calm.
22	3	64°0	43°6	} 68°2	49°5	Sea breeze.
22	9	53°8	46°4			Overcast; calm.
22	15	49°8	46°5	} 68°2	49°5	Overcast; nearly calm.
22	21	61°8	43°0			
23	3	64°0	47°0	} 68°2	49°3	
23	9	56°0	53°0			Overcast, with light rain.
23	15	50°2	45°0	} 68°2	49°3	
23	21	60°2	46°2			Overcast, and nearly calm.
24	3	72°6	40°8	} 74°5	50°5	
24	9	54°6	41°4			
24	15	51°0	40°5	} 74°5	50°5	
24	21	56°7	43°0			
25	3	65°8	46°8	} —	—	Overcast.
25	9	59°5	51°1			Calm.
Sunday 21						
26	15	57°7	44°0	} 72°8	49°5	Fresh easterly breeze.
26	21	65°2	45°0			Nearly calm; sultry.
27	3	69°7	44°2	} 72°8	55°0	Fresh sea breeze.
27	9	60°9	47°2			
27	15	57°0	45°6	} 72°8	55°0	
27	21	65°6	43°6			Fair.

Mean Time Van Diemen Island, Astronomical Reckoning.	TEMPERATURE.				Weather and Remarks.
	Air.	Dew Point.	Max.	Min.	
NOVEMBER.					
D. H.					
28 3	68°0	49°4	°	°	Fresh sea breeze.
28 9	58°8	50°6	} 74°5	48°5	Clear and fine.
28 15	49°0	47°0			Clear and fine.
28 21	69°5	38°0			Nearly calm.
29 3	91°7	—			Hot sultry wind in squalls, N.W.
29 9	68°6	47°5	} 93°8	51°8	Dark bank of clouds in W.
29 15	53°0	39°0			
29 21	61°7	37°5			Nearly calm.
30 3	68°6	50°0			Strong sea breeze.
30 9	56°2	48°0	} 71°8	54°5	Overcast and gloomy.
30 15	55°5	47°4			
30 21	67°0	45°0			
DECEMBER.					
1 3	69°8	—	} 76°0	56°4	*
1 9	57°2	52°2			
1 15	57°8	52°6			
1 21	65°5	51°8			
2 3	65°0	47°0	} —	—	
2 9	57°0	49°0			
Sunday 21					
3 15	56°0	51°5	} 69°8	54°2	
3 21	64°5	43°2			
4 3	75°0	47°7	} 78°5	54°0	
4 9	61°4	41°2			
4 15	55°5	39°0			
4 21	58°2	46°0			
5 3	56°2	51°0	} 61°5	47°0	
5 9	49°7	44°8			
5 15	47°5	39°0			
5 21	54°0	43°0			
6 3	54°6	37°3	} 59°0	43°0	
6 9	47°8	42°0			
6 15	43°4	36°4			
6 21	55°1	42°2			
7 3	66°2	43°2	} 69°8	53°2	
7 9	56°8	40°6			
7 15	54°0	43°0			
7 21	58°8	42°8			
8 3	62°8	45°6	} 67°2	52°4	
8 9	56°0	44°0			
8 15	53°2	45°0			
8 21	62°8	47°8			
9 3	78°7	47°2	} —	—	
9 9	57°3	52°2			
Sunday 21					
10 15	50°8	41°5	} 82°8	49°5	
10 21	56°5	40°5			
11 3	68°4	45°5	} 76°2	49°2	
11 9	60°5	42°0			
11 15	49°5	42°6			
11 21	61°3	42°7			
12 3	66°2	50°4	} 69°2	47°3	
12 9	53°0	41°0			
12 15	48°2	38°4			
12 21	58°8	36°5			
13 3	61°0	40°2	} 68°5	51°2	
13 9	55°1	36°8			
13 15	51°5	40°2			
13 21	54°8	40°8			
14 3	60°5	50°4	} 71°0	49°7	
14 9	55°3	43°0			
14 15	51°2	43°2			
14 21	59°0	39°0			

* The return of the weather for December was either mislaid at Hobarton, when the returns of the other months of the year were sent to Woolwich, or it has been mislaid in the Woolwich office since the returns were received.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Weather and Remarks.
		Air.	Dew Point.	Max.	Min.	
DECEMBER.						
D.	H.					
15	3	65°0	38°8	°	°	
15	9	55°4	34°6	} 70 8	44°0	
15	15	45°0	38°3			
15	21	60°5	38°0			
16	3	67°5	44°8	} 73°0	48°8	
16	9	56°0	48°2			
Sunday 21						
17	15	51°6	46°2	} 73°0	48°8	
17	21	67°5	42°0			
18	3	68°7	47°1			
18	9	60°6	52°5	} 84°8	54°3	
18	15	54°8	51°6			
18	21	62°2	52°5			
19	3	69°5	54°7	} 71°0	53°8	
19	9	59°0	44°7			
19	15	—	—			
19	21	65°7	40°5	} 78°2	49°2	
20	3	70°8	50°4			
20	9	57°8	50°0			
20	15	50°2	47°6	} 80°0	62°8	
20	21	66°4	43°2			
21	3	77°8	51°9			
21	9	66°2	59°0	} 84°8	54°2	
21	15	64°6	46°0			
21	21	75°2	51°6			
22	3	83°5	42°1	} 84°8	54°2	
22	9	61°0	42°2			
22	15	55°5	41°0			
22	21	64°2	43°0	} —	—	
23	3	76°8	38°0			
23	9	60°5	41°0			
Sunday 21				} 84°5	55°6	
24	15	59°7	48°6			
24	21	63°2	49°2			
25	3	67°6	49°6	} 77°0	59°2	
25	9	62°2	51°2			
25	15	59°8	54°0			
25	21	74°3	56°0	} 81°0	56°5	
26	3	73°0	56°2			
26	9	62°0	58°0			
26	15	57°8	53°5	} 84°2	54°8	
26	21	71°2	52°2			
27	3	82°3	39°0			
27	9	62°8	39°3	} 75°0	52°8	
27	15	56°2	45°2			
27	21	63°2	40°0			
28	3	66°2	52°0	} 77°2	53°7	
28	9	55°5	42°2			
28	15	54°5	38°7			
28	21	65°5	42°8	} —	—	
29	3	72°8	42°0			
29	9	58°2	35°0			
29	15	55°3	40°5	} 77°2	56°8	
29	21	64°2	41°0			
30	3	70°2	44°4			
30	9	59°3	50°2	} 77°2	56°8	
Sunday 21						
31	15	59°4	54°0			
31	21	69°8	46°4			

VAN DIEMEN ISLAND, 1844.

MAGNETICAL OBSERVATIONS.

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'.71. Increasing Numbers denote increasing Easterly Declination.													
Mean Göttingen Time. }	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
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	75°0	70°9	72°8	73°0	—	—	—	—	69°6	70°2	70°0	
	2	75°4	69°0	67°2	70°3	70°0	70°4	70°2	71°3	67°3	68°1	68°9	67°4
	3	73°8	74°6	74°2	73°6	73°0	73°0	72°7	72°1	71°3	69°8	67°9	68°2
	4	75°6	73°9	74°0	74°4	69°3	70°5	71°7	70°7	69°1	66°2	66°9	65°1
	5	70°7	69°1	73°7	73°8	71°4	72°0	73°0	73°4	75°1	71°0	70°5	67°3
	6	70°2	72°4	74°4	—	—	—	—	—	—	—	—	—
	7	—	—	—	75°0	77°4	69°9	71°0	75°7	71°5	69°6	66°6	64°8
	8	73°7	74°1	72°4	74°1	73°6	75°3	79°2	78°7	72°7	68°0	66°5	69°2
	9	73°2	71°0	—	72°1	73°8	74°6	75°9	74°5	75°6	72°1	67°3	65°8
	10	74°9	73°9	74°8	74°6	73°0	72°9	73°8	74°9	—	75°2	68°2	66°4
	11	74°7	71°2	70°1	71°3	73°0	73°3	73°2	74°8	70°2	68°6	67°5	67°4
	12	74°6	74°0	73°7	73°2	74°3	72°9	73°1	73°4	72°7	71°7	72°0	67°9
	13	75°3	75°2	74°0	—	—	—	—	—	—	—	—	—
	14	—	—	—	74°3	—	73°9	74°2	73°7	72°3	70°4	68°2	67°2
	15	75°2	74°8	73°5	73°2	73°5	73°4	73°3	73°2	72°8	71°8	70°3	68°0
	16	74°9	75°0	74°6	74°0	72°6	72°7	73°0	72°7	71°6	—	68°8	68°2
	17	72°8	72°1	73°0	74°0	73°9	73°6	72°5	72°4	74°3	71°9	68°5	68°1
	18	75°2	75°1	74°4	73°2	69°3	71°0	71°2	71°2	70°3	69°6	68°5	68°8
	19	75°2	75°2	75°2	74°8	—	74°6	73°2	73°5	71°0	69°6	66°2	65°4
	20	74°3	74°3	74°1	—	—	—	—	—	—	—	—	—
	21	—	—	—	73°8	73°2	73°2	73°2	74°7	—	64°9	62°0	62°2
	22	75°0	74°7	75°0	68°2	71°5	72°6	75°7	70°3	68°1	67°9	67°4	67°0
	23	73°6	72°7	74°1	73°8	74°2	74°8	—	75°2	72°0	69°6	67°1	62°5
	24	74°1	73°9	73°8	73°3	74°6	75°0	76°2	74°6	74°4	69°6	66°3	65°0
	25	74°6	71°2	71°2	71°2	69°3	72°1	71°9	71°6	69°9	67°4	65°1	66°3
	26	75°8	74°8	74°4	73°7	73°8	73°6	73°1	73°2	71°6	69°6	68°0	67°0
	27	75°8	75°2	75°2	—	—	—	—	—	—	—	—	—
	28	—	—	—	74°2	73°9	73°3	72°4	71°8	71°3	69°0	70°6	67°4
	29	75°5	74°9	74°8	74°2	73°8	73°0	74°8	73°8	72°8	69°5	68°3	67°4
	30	75°7	73°3	74°2	74°1	72°8	72°8	71°6	73°8	72°4	70°3	69°4	67°8
31	75°2	74°4	74°8	74°2	74°3	74°0	73°7	73°1	74°0	72°2	68°0	65°8	
Hourly Means	74°44	73°39	73°60	73°32	72°89	73°01	73°35	73°39	71°84	69°74	67°97	66°80	
FEBRUARY.	1	70°8	64°9	63°6	70°0	72°2	75°5	71°4	71°2	75°1	75°0	73°9	68°1
	2	73°2	72°8	—	74°2	73°0	76°8	77°3	72°1	72°0	68°7	67°1	63°0
	3	73°9	72°8	73°1	—	—	—	—	—	—	—	—	—
	4	—	—	—	72°8	76°9	74°9	75°1	76°4	—	73°2	70°2	67°0
	5	66°3	59°8	71°4	72°0	77°1	73°0	71°7	77°3	77°5	76°9	73°8	70°4
	6	69°5	71°6	71°6	75°3	73°1	73°5	77°1	77°5	73°7	72°2	69°0	67°9
	7	75°0	73°3	69°5	68°2	71°2	72°2	77°5	76°5	74°7	74°9	77°2	71°4
	8	73°2	71°1	69°6	68°8	68°1	63°5	70°8	74°4	73°9	72°2	69°8	66°2
	9	75°2	74°8	74°0	73°8	73°2	73°8	73°3	73°6	73°4	72°6	70°5	68°4
	10	75°0	74°1	73°1	—	—	—	—	—	—	—	—	—
	11	—	—	—	74°0	74°0	73°6	75°3	75°1	74°1	73°4	70°5	67°6
	12	73°4	73°3	73°2	72°9	—	73°0	74°9	74°3	73°3	72°9	71°7	69°2
	13	73°7	73°6	72°6	73°5	73°8	73°6	73°7	73°8	74°0	73°3	70°4	67°4
	14	75°2	74°6	74°2	74°4	74°0	73°0	73°2	73°0	72°7	72°0	69°9	67°2
	15	74°0	73°8	74°2	73°0	73°1	74°0	74°0	74°0	74°0	74°2	73°8	70°2
	16	74°4	74°0	72°2	70°4	72°3	73°2	73°4	73°1	—	72°8	72°6	68°6
	17	73°3	73°8	73°6	—	—	—	—	—	—	—	—	—
	18	—	—	—	72°6	73°3	74°2	74°1	74°0	73°3	73°0	70°8	67°9
	19	74°7	73°2	73°9	73°4	—	—	—	—	74°0	72°8	70°9	67°3
	20	74°1	73°7	73°8	74°2	74°0	75°0	74°7	74°8	75°0	73°6	70°8	68°7
	21	71°2	71°2	68°6	70°4	73°2	74°3	74°1	73°7	73°2	72°2	70°4	68°4
	22	74°3	74°1	73°8	73°5	73°5	73°3	73°6	74°0	76°8	73°3	70°2	67°6
	23	75°2	74°6	73°8	73°0	72°0	73°8	73°5	73°4	73°1	72°3	71°0	68°7
	24	75°7	74°8	74°8	—	—	—	—	—	—	—	—	—
	25	—	—	—	73°4	73°4	74°6	75°3	74°2	75°2	73°6	70°2	67°0
	26	75°1	72°8	71°2	72°2	72°0	72°6	73°0	73°4	73°2	—	70°8	68°4
	27	74°0	74°6	73°0	73°6	74°3	74°2	74°4	74°3	74°2	72°8	71°8	69°0
	28	74°2	73°8	72°7	74°2	73°8	74°7	72°7	72°1	70°0	72°1	72°2	69°4
	29	68°6	71°6	72°7	74°1	74°6	74°0	73°8	75°0	—	72°6	70°8	69°0
Hourly Means	73°33	72°50	72°26	72°71	73°31	73°51	74°08	74°22	73°93	73°01	71°21	68°16	

DECLINATION.												
Angular Value of one Scale Division of the Declinometer = 0'71. Increasing Numbers denote increasing Easterly Declination.												
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.
70.5	72.7	75.0	79.0	79.2	78.0	75.8	76.5	76.6	76.2	76.2	75.3	74.34
68.7	70.8	73.3	78.3	79.7	78.7	78.0	77.7	76.2	75.4	75.1	75.1	72.60
69.6	70.6	74.2	77.8	80.2	80.6	80.2	79.2	77.5	75.9	75.3	75.3	74.19
67.5	69.1	76.2	79.5	81.8	85.7	82.5	82.5	80.9	79.0	77.7	68.2	74.08
68.9	69.6	73.1	79.0	79.4	80.1	80.2	79.8	76.8	76.6	72.7	67.3	73.52
—	—	—	—	—	—	—	—	—	—	—	—	—
65.7	69.0	75.3	82.2	83.2	80.4	79.8	79.5	77.6	77.1	76.4	75.6	74.18
65.0	69.2	72.0	77.2	81.4	80.7	80.5	81.3	78.8	77.0	75.2	72.9	74.53
67.3	68.6	72.4	79.2	81.4	—	80.1	79.2	78.7	76.2	76.4	76.2	74.18
67.7	72.2	75.5	78.6	79.7	80.0	78.7	78.0	76.6	76.2	75.3	75.2	74.62
67.9	71.7	74.6	76.7	78.6	79.6	78.8	80.2	79.5	77.6	75.9	75.3	73.84
66.8	67.5	69.4	73.8	77.2	78.6	80.4	81.5	79.5	77.8	76.7	75.8	74.10
—	—	—	—	—	—	—	—	—	—	—	—	—
66.8	68.2	71.3	76.2	79.4	79.8	78.2	78.9	79.8	78.3	76.5	76.3	74.28
67.4	67.7	70.4	75.4	78.2	79.0	78.0	77.2	77.0	76.2	75.3	75.2	73.75
70.0	72.8	76.8	80.9	83.0	83.7	79.9	78.8	78.3	78.5	77.5	76.8	75.44
68.1	68.7	72.2	76.0	77.2	77.5	76.5	75.8	75.7	74.8	74.2	74.9	73.28
71.0	74.0	78.8	84.7	85.6	83.0	79.1	76.2	74.5	74.4	74.7	74.8	74.52
65.1	68.8	73.1	77.1	82.2	82.1	80.3	77.7	76.2	75.1	73.6	73.7	73.86
—	—	—	—	—	—	—	—	—	—	—	—	—
63.8	68.2	73.3	79.1	82.0	82.2	81.0	79.0	78.2	76.3	75.2	75.0	73.66
69.8	71.8	75.1	83.9	90.0	88.9	86.1	82.2	78.9	77.6	76.0	73.8	75.31
61.2	64.2	67.2	72.5	78.2	79.7	78.3	77.7	76.7	76.2	74.8	74.2	72.63
67.1	67.5	69.9	75.0	83.8	87.1	84.0	85.6	85.3	82.2	78.7	76.8	75.57
67.8	68.7	71.2	74.2	77.6	80.1	80.1	79.5	78.8	78.0	76.5	76.1	72.93
68.0	71.3	72.9	75.6	79.8	82.9	82.2	81.2	80.2	78.8	78.3	76.4	74.84
—	—	—	—	—	—	—	—	—	—	—	—	—
68.5	71.1	75.1	78.4	79.8	82.3	80.8	79.2	77.7	76.9	76.8	75.3	74.67
66.9	70.4	72.9	74.8	76.8	78.1	77.7	76.4	75.8	75.7	75.9	72.3	73.60
69.6	73.8	77.3	79.2	81.2	84.2	83.8	80.4	79.1	77.3	76.4	75.6	75.25
66.0	70.0	76.0	80.7	84.7	87.9	84.0	82.4	80.5	77.9	76.2	74.7	75.61
67.51	69.93	73.50	77.96	81.05	81.57	80.18	79.39	78.20	77.01	75.91	74.59	74.20
68.7	71.2	75.9	79.8	82.7	85.2	85.0	82.8	77.5	76.2	74.8	75.2	74.44
70.6	69.8	73.6	79.2	83.3	81.1	84.7	82.5	78.5	75.5	74.8	73.8	74.68
—	—	—	—	—	—	—	—	—	—	—	—	—
63.4	64.9	68.7	66.0	81.0	84.4	84.7	82.6	79.5	76.4	75.7	72.2	74.17
70.2	68.2	74.6	79.1	81.6	84.2	85.5	83.0	80.4	74.1	74.3	75.9	74.93
65.0	65.8	70.2	72.0	76.6	80.8	82.4	81.6	79.0	77.0	76.0	75.8	73.92
68.7	68.6	70.7	73.0	77.0	79.2	80.6	80.4	79.0	77.4	76.7	75.3	74.51
65.2	66.8	69.8	75.9	78.6	81.4	81.5	79.8	77.8	76.0	76.2	75.8	72.77
66.1	67.1	69.7	73.5	79.0	81.1	82.9	82.6	81.0	79.1	77.9	76.1	74.69
—	—	—	—	—	—	—	—	—	—	—	—	—
67.0	66.0	69.5	73.9	79.8	83.7	84.2	82.6	80.2	77.2	75.6	74.2	74.79
67.7	68.3	69.9	72.8	77.6	82.7	84.5	83.0	81.6	78.2	74.7	75.1	74.70
66.0	67.3	69.6	73.8	77.6	80.8	82.0	81.7	80.6	77.6	75.9	75.2	74.23
66.0	66.5	68.7	73.4	78.2	82.8	84.8	83.8	81.0	79.0	76.4	75.6	74.57
67.8	68.7	71.1	74.3	77.9	80.3	81.4	80.8	79.1	77.3	75.8	75.2	74.66
67.1	67.7	70.5	75.4	80.0	83.6	85.4	82.2	80.4	78.8	77.2	76.7	74.37
—	—	—	—	—	—	—	—	—	—	—	—	—
66.8	67.4	70.0	73.6	78.5	82.1	82.5	82.1	80.9	78.1	76.7	75.8	74.52
65.5	66.3	71.3	76.5	82.0	85.3	84.8	81.8	79.7	76.2	75.4	74.6	74.98
65.6	65.4	70.8	77.2	82.7	85.2	84.5	82.5	80.2	77.3	76.4	74.7	75.20
67.9	69.0	71.9	75.6	80.5	84.2	85.2	83.7	80.8	78.9	76.8	76.0	74.64
65.7	66.5	69.5	75.0	80.2	83.5	83.7	81.4	79.0	76.5	76.4	75.7	74.63
66.7	66.9	70.9	75.7	80.1	83.5	84.0	82.2	80.1	77.4	76.8	76.8	74.81
—	—	—	—	—	—	—	—	—	—	—	—	—
64.6	65.4	70.2	75.8	81.5	84.8	84.9	82.3	79.5	76.6	75.8	75.6	74.97
66.4	67.4	72.2	78.4	82.8	84.4	84.2	81.4	79.2	77.4	76.2	72.7	74.67
67.1	67.4	70.8	76.8	80.4	83.1	83.9	82.3	79.0	76.4	74.6	74.3	74.84
67.7	67.0	70.8	78.5	85.7	90.2	92.1	87.5	82.8	79.0	76.9	75.6	76.07
66.1	67.5	71.3	76.4	79.9	81.7	81.6	80.3	78.4	76.6	75.8	75.3	74.25
66.78	67.32	70.88	75.26	80.21	83.17	84.04	82.27	79.81	77.20	75.99	75.16	74.62

DECLINATION.												
Angular Value of one Scale Division of the Declinometer = 0'.71. Increasing Numbers denote increasing Easterly Declination.												
Mean Göttingen Time. } 0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9.	10h.	11h.	
MARCH.	Sc. Div. 75.0	Sc. Div. 74.5	Sc. Div. 74.0	Sc. Div. 74.2	Sc. Div. 74.6	Sc. Div. 74.2	Sc. Div. 77.8	Sc. Div. 74.9	Sc. Div. 73.1	Sc. Div. 72.4	Sc. Div. 72.0	Sc. Div. 69.3
	74.2	67.8	62.2	—	—	—	—	—	—	—	—	—
	—	—	—	75.6	71.3	72.7	76.4	73.3	73.0	73.4	71.8	70.7
	73.8	70.0	70.9	80.3	78.0	74.2	73.2	72.8	83.8	76.0	73.7	71.3
	66.7	69.2	67.5	77.5	73.2	74.2	77.0	78.4	81.1	77.3	79.1	80.0
	62.4	65.4	71.5	48.3	64.9	78.0	70.9	74.8	74.6	74.6	72.6	71.3
	73.4	73.2	73.2	71.0	71.6	73.4	79.1	78.9	73.2	79.6	74.9	71.0
	75.4	70.8	73.1	72.9	—	74.4	77.5	79.1	77.9	75.9	72.8	71.1
	71.8	73.3	75.4	—	—	—	—	—	—	—	—	—
	—	—	—	74.8	73.8	73.8	75.5	75.1	75.8	74.5	73.4	71.9
	74.8	74.4	72.9	74.3	74.8	74.5	74.5	74.6	74.2	74.1	74.4	72.6
	74.4	70.8	67.7	71.1	73.7	76.2	72.6	74.2	73.8	74.3	72.7	70.8
	75.0	72.5	71.1	73.2	75.1	76.5	75.8	74.7	74.3	73.7	72.6	70.3
	75.4	74.9	74.4	74.3	74.0	74.2	74.2	74.3	74.6	73.8	72.0	68.3
	75.6	73.6	70.8	74.3	74.6	74.0	74.0	74.6	73.9	73.6	—	70.2
	74.0	72.3	73.6	—	—	—	—	—	—	—	—	—
	—	—	—	75.2	74.6	74.8	74.4	74.3	73.6	73.2	70.6	69.2
	75.6	75.2	75.2	75.8	76.0	74.0	74.0	73.4	72.8	75.4	75.2	71.9
	73.1	74.0	74.0	74.4	74.3	74.6	74.5	72.9	72.5	72.0	71.4	67.8
	73.6	74.3	74.1	74.4	74.8	74.8	74.8	74.8	74.7	75.0	74.8	72.5
	74.1	73.8	74.2	74.8	74.8	74.5	75.8	75.5	74.7	73.4	71.8	70.8
	70.6	71.9	73.9	73.9	74.2	75.1	74.9	74.8	74.2	73.6	74.0	72.3
	73.1	74.6	74.3	—	—	—	—	—	—	—	—	—
	—	—	—	74.8	74.9	74.8	74.7	74.4	74.6	74.4	73.1	71.2
	75.2	75.0	74.8	74.6	72.3	72.8	73.1	72.7	72.8	73.0	73.5	71.7
	75.1	74.9	74.5	73.9	74.0	73.8	73.4	74.2	74.6	74.2	73.7	71.2
	75.8	75.2	—	74.5	71.0	72.0	74.8	73.8	72.1	72.8	74.0	72.0
	73.2	72.8	73.0	75.7	74.1	74.8	75.2	76.0	76.2	73.9	72.8	71.4
	73.2	73.7	72.2	74.2	74.8	76.2	75.0	75.1	74.9	72.8	79.2	87.5
	61.4	57.8	67.4	—	—	—	—	—	—	—	—	—
	—	—	—	78.4	79.0	76.4	76.0	81.0	77.7	79.0	79.8	77.0
Hourly Means	72.92	72.15	72.23	73.71	73.93	74.57	74.96	75.10	74.95	74.46	73.83	72.13
APRIL.	69.0	69.3	70.8	77.9	71.8	76.2	76.8	72.2	73.2	75.3	76.3	75.7
	74.1	74.3	74.2	75.8	76.6	71.6	83.1	74.0	74.3	78.5	75.5	74.3
	73.7	75.0	—	73.8	69.3	74.2	72.4	76.8	74.3	74.3	73.9	73.8
	73.1	73.1	72.9	74.0	—	76.5	73.8	75.9	—	74.8	75.5	74.6
	76.8	75.3	73.4	73.2	74.2	74.9	74.9	75.2	—	74.2	74.1	71.1
	75.9	75.0	74.9	—	—	—	—	—	—	—	—	—
	—	—	—	72.9	74.8	75.7	76.0	75.5	75.4	75.8	75.4	74.2
	75.2	74.8	74.8	74.6	75.0	75.2	75.6	75.2	76.3	75.4	74.4	72.7
	75.5	74.8	74.8	74.3	74.8	75.0	75.5	75.2	75.0	74.2	72.6	71.9
	76.2	73.9	74.2	73.8	73.0	75.2	75.2	74.4	74.4	73.8	72.4	70.8
	75.6	74.5	73.0	74.7	75.0	74.6	74.8	75.2	75.0	74.8	73.7	72.6
	75.7	75.0	75.2	75.1	75.1	—	—	—	74.8	74.6	73.5	72.2
	75.8	75.8	75.3	—	—	—	—	—	—	—	—	—
	—	—	—	73.9	74.6	74.2	74.6	74.9	74.9	74.8	74.3	72.0
	74.6	65.4	68.0	71.3	73.8	75.8	75.8	75.0	—	75.1	75.3	72.6
	75.3	75.5	75.3	75.6	74.4	75.2	74.1	74.8	75.6	75.2	73.8	70.9
	51.9	49.0	45.1	51.2	60.4	82.9	83.8	97.4	94.0	87.1	94.2	86.0
	76.0	76.0	75.5	75.0	75.0	74.7	74.9	74.6	73.0	72.3	72.2	69.0
	75.3	75.4	75.0	75.1	74.2	75.3	74.8	75.4	74.3	74.1	73.6	72.5
	73.0	74.9	74.8	—	—	—	—	—	—	—	—	—
	—	—	—	—	75.2	75.6	75.8	75.8	75.3	75.2	74.4	72.7
	75.1	74.4	74.8	73.8	74.8	75.0	74.0	74.8	74.2	74.2	74.1	72.2
	73.3	73.6	75.2	72.9	74.9	75.2	75.4	75.6	75.1	74.1	73.2	71.4
	76.0	75.6	75.2	75.0	75.3	75.6	75.9	76.7	75.2	75.1	74.6	72.4
	71.2	72.8	62.3	66.5	72.0	73.8	79.5	74.4	77.5	74.0	74.2	73.2
	55.4	59.7	73.2	74.4	70.3	83.3	74.5	76.1	76.2	77.0	74.5	73.8
	70.2	74.0	74.5	—	—	—	—	—	—	—	—	—
	—	—	—	73.7	74.4	75.5	75.9	75.8	77.2	76.4	75.5	74.9
	72.3	69.2	66.7	72.2	74.0	76.7	76.8	81.3	78.4	75.8	75.5	73.9
	70.0	69.9	74.1	75.0	76.3	76.0	78.2	78.4	77.7	74.8	74.8	74.3
	Hourly Means	72.54	72.16	72.13	73.03	73.57	75.75	76.08	76.42	76.14	75.42	75.06

DECLINATION.												
Angular Value of one Scale Division of the Declinometer = 0'71. Increasing Numbers denote increasing Easterly Declination.												
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. 65'4	Sc. Div. 66'6	Sc. Div. 69'2	Sc. Div. 75'4	Sc. Div. 81'5	Sc. Div. 84'8	Sc. Div. 84'0	Sc. Div. 80'3	Sc. Div. 78'3	Sc. Div. 77'9	Sc. Div. 75'9	Sc. Div. 75'0	Sc. Div. 75'01
—	—	—	—	—	—	—	—	—	—	—	—	—
67'2	70'7	76'2	80'6	83'8	84'1	83'3	82'4	77'8	74'6	77'3	76'1	74'86
70'3	71'4	76'7	81'3	82'7	82'5	79'0	79'6	76'3	73'0	75'3	72'2	75'76
75'4	72'8	76'4	79'6	79'6	84'2	81'8	80'5	78'2	76'2	75'3	70'5	76'32
70'9	69'9	72'8	75'9	79'9	82'9	84'2	82'2	79'9	77'8	76'5	70'7	73'04
73'0	72'7	73'8	76'6	82'0	83'5	79'5	81'1	79'7	65'9	76'9	76'8	75'58
68'9	70'9	72'6	76'6	79'8	81'2	80'2	78'5	77'4	76'2	75'4	70'3	75'17
—	—	—	—	—	—	—	—	—	—	—	—	—
70'3	70'4	73'9	77'3	81'5	83'4	83'1	81'1	79'2	76'2	70'7	74'8	75'46
68'2	68'9	73'5	79'2	81'5	81'8	82'0	80'7	78'1	76'2	76'5	74'8	75'48
70'7	71'8	75'3	79'3	82'0	83'1	83'0	81'8	78'7	76'5	75'9	75'4	75'24
68'6	71'2	74'0	77'4	80'2	81'8	81'6	80'3	78'0	76'4	76'0	74'2	75'18
67'5	69'9	74'0	80'4	83'7	84'4	83'0	81'4	80'0	78'8	77'0	76'2	75'86
69'3	69'6	72'9	79'1	82'9	84'4	83'3	81'1	78'2	76'9	76'6	75'0	75'59
—	—	—	—	—	—	—	—	—	—	—	—	—
68'8	68'7	72'8	80'1	84'3	84'8	83'4	80'8	77'8	77'2	77'2	76'3	75'50
68'5	70'2	75'1	81'2	84'2	85'2	85'8	83'6	81'8	77'7	76'6	63'8	76'20
66'0	67'9	71'3	80'8	83'0	86'4	85'4	84'1	80'1	78'1	76'2	74'7	75'39
70'8	70'3	73'7	78'0	81'5	84'2	84'1	81'6	79'1	75'6	73'5	74'9	75'83
69'5	70'3	73'2	79'0	82'1	84'0	84'4	82'1	78'1	77'4	77'0	75'9	75'88
70'2	71'2	73'8	77'5	81'0	82'2	81'8	80'4	78'2	76'8	76'2	75'0	75'32
—	—	—	—	—	—	—	—	—	—	—	—	—
69'1	69'4	71'2	76'4	79'7	82'0	81'6	80'2	78'4	77'3	76'0	75'8	75'25
70'1	70'0	72'8	77'2	80'7	81'7	81'1	79'3	77'2	76'4	76'1	75'7	74'95
68'8	70'1	72'1	76'2	80'2	82'2	81'4	79'2	77'2	77'2	76'7	76'1	75'21
70'4	72'1	73'6	76'1	79'8	81'0	80'8	80'2	78'4	78'5	77'8	71'7	75'15
70'4	70'0	72'2	76'8	78'3	81'5	82'2	80'7	79'4	79'3	65'8	69'7	74'81
79'9	75'0	77'8	79'4	88'9	85'1	90'5	81'8	85'1	71'8	63'9	62'0	77'08
—	—	—	—	—	—	—	—	—	—	—	—	—
74'2	72'4	74'7	77'8	80'3	81'4	79'5	78'7	76'2	75'2	73'0	73'0	75'31
70'09	70'55	73'68	78'28	81'73	83'22	82'69	80'91	78'72	76'19	75'05	73'33	75'40
74'7	72'9	73'5	75'4	77'3	79'6	82'0	80'2	74'2	76'7	65'0	69'8	74'41
71'6	72'4	74'4	75'6	80'4	80'0	79'2	77'5	76'7	71'8	62'2	65'2	74'72
73'2	73'8	76'2	77'7	80'3	81'0	81'1	78'3	76'4	74'2	72'4	71'3	75'10
74'3	74'6	77'2	79'2	81'0	81'3	80'6	79'2	78'3	78'0	77'0	76'1	76'41
71'8	73'5	78'4	79'1	80'8	85'4	77'5	79'3	77'9	76'8	76'2	75'9	76'08
—	—	—	—	—	—	—	—	—	—	—	—	—
72'8	73'2	75'1	77'8	—	80'5	80'1	77'8	77'2	77'0	76'0	75'8	75'86
71'2	72'8	76'0	79'5	82'0	82'0	80'4	79'0	78'1	77'2	76'4	76'0	76'24
70'6	70'8	74'0	77'4	79'4	80'4	79'8	78'6	77'8	78'0	79'5	77'9	75'74
69'4	72'4	75'2	78'8	79'2	80'4	81'2	78'4	78'6	78'2	77'1	76'4	75'52
71'5	72'0	74'5	77'8	80'1	81'3	80'9	79'0	78'2	78'1	77'3	76'2	75'85
71'3	71'9	74'6	77'8	79'8	80'8	80'0	78'4	77'4	77'0	76'4	76'0	75'84
—	—	—	—	—	—	—	—	—	—	—	—	—
70'6	70'5	72'7	75'7	80'2	81'6	81'0	79'0	79'4	77'4	76'2	75'5	75'62
72'2	72'8	75'9	79'6	81'8	82'0	80'5	78'1	75'0	76'5	76'0	75'8	75'17
70'2	71'6	76'3	84'2	85'4	86'0	90'8	88'0	88'0	86'6	69'0	63'3	77'29
81'0	78'7	77'9	76'8	75'8	77'8	76'8	76'8	76'3	76'2	76'7	76'4	75'42
70'1	72'2	73'9	76'0	78'2	79'0	79'4	78'4	77'5	76'6	76'1	76'0	75'07
71'4	72'3	74'6	77'5	80'3	80'8	80'2	79'2	78'0	77'2	76'6	72'4	75'64
—	—	—	—	—	—	—	—	—	—	—	—	—
70'6	69'8	72'4	76'3	80'3	81'1	80'2	78'7	77'1	76'6	76'0	75'6	75'54
71'6	71'1	73'3	77'7	81'2	83'0	81'8	79'8	77'2	76'6	76'5	75'8	75'71
69'5	69'3	72'6	76'7	79'8	81'6	80'8	78'9	77'8	76'6	76'3	75'5	75'22
70'8	70'4	72'3	75'1	77'7	79'8	79'8	79'8	77'9	76'9	76'4	75'0	75'60
78'5	75'0	75'3	76'7	80'3	81'2	78'9	78'7	78'1	75'8	77'5	74'2	75'07
73'0	72'4	74'9	76'1	77'9	79'8	77'0	72'0	74'9	70'7	74'3	69'7	73'38
—	—	—	—	—	—	—	—	—	—	—	—	—
72'5	70'9	72'5	75'3	77'6	79'8	78'5	78'4	76'8	76'3	73'7	73'8	75'17
75'5	74'2	74'1	77'4	79'7	80'4	80'2	78'6	76'8	76'0	75'5	75'6	75'70
73'2	73'9	75'1	76'8	79'7	79'7	79'3	78'2	77'0	71'1	71'4	72'8	75'32
72'43	72'51	74'73	77'46	79'85	81'01	80'31	78'78	77'64	76'54	74'76	74'00	75'48

DECLINATION.												
Angular Value of one Scale Division of the Declinometer = 0' 71. Increasing Numbers denote increasing Easterly Declination.												
Mean Göttingen Time. } 0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
MAY.	Sc. Div. 76·9	Sc. Div. 72·8	Sc. Div. 73·9	Sc. Div. 75·2	Sc. Div. —	Sc. Div. 76·2	Sc. Div. 76·8	Sc. Div. 76·9	Sc. Div. 78·1	Sc. Div. 76·6	Sc. Div. 78·0	Sc. Div. 79·0
	1 69·7	71·0	73·8	74·2	76·8	78·9	78·6	76·0	75·9	75·8	76·0	77·5
	2 74·2	74·0	74·4	73·2	68·1	72·7	75·5	75·8	—	74·5	74·3	73·4
	3 74·9	73·8	74·1	—	—	—	—	—	—	—	—	—
	4 —	—	—	74·0	75·6	75·9	76·7	75·5	76·1	75·5	75·1	74·5
	5 73·7	71·7	73·8	74·6	77·8	74·0	77·0	75·4	75·2	74·4	74·2	73·6
	6 74·0	73·9	74·0	74·6	73·2	74·7	74·9	75·3	75·2	75·8	75·2	75·8
	7 73·8	77·1	71·8	71·1	75·0	74·7	86·0	76·0	76·0	74·8	76·6	79·1
	8 73·1	73·9	69·2	72·8	70·9	76·3	75·4	75·9	75·9	75·6	75·1	74·4
	9 75·2	75·1	74·9	75·0	75·5	72·2	74·7	74·8	75·0	75·0	75·3	75·1
	10 74·2	75·4	75·6	—	—	—	—	—	—	—	—	—
	11 —	—	—	73·8	74·2	75·3	75·9	75·9	75·8	75·8	75·5	75·2
	12 75·7	75·6	73·6	73·5	76·0	75·9	76·0	75·8	76·4	76·0	76·0	75·6
	13 75·2	71·8	73·3	71·8	75·1	76·0	75·6	75·5	75·7	75·7	75·8	75·4
	14 74·4	75·0	74·7	74·8	74·8	75·5	78·0	76·6	76·4	75·1	75·0	75·3
	15 75·6	74·0	73·1	73·1	77·2	77·2	77·5	76·7	75·8	75·6	75·0	74·4
	16 75·2	75·0	75·0	75·1	76·0	76·0	75·6	75·5	75·8	75·6	75·1	74·5
	17 75·8	75·2	74·9	—	—	—	—	—	—	—	—	—
	18 —	—	—	69·8	74·8	75·2	75·6	76·5	76·1	75·3	75·7	75·4
	19 75·4	74·8	74·8	75·0	75·4	75·6	75·8	75·8	76·0	75·9	75·7	75·1
	20 75·2	75·2	75·1	75·7	75·0	74·7	75·7	75·7	—	75·1	76·1	73·4
	21 75·3	59·4	69·6	71·0	72·6	74·2	76·8	76·7	77·6	78·6	77·7	76·3
	22 71·5	72·1	72·1	75·8	75·8	75·8	78·1	77·4	78·2	76·5	77·0	76·2
	23 74·7	74·9	71·8	72·7	72·8	75·6	77·1	77·2	77·3	76·1	76·5	76·2
	24 75·2	75·8	75·0	—	—	—	—	—	—	—	—	—
	25 —	—	—	74·7	75·2	75·2	75·9	77·2	77·7	76·5	76·3	76·8
	26 75·4	74·8	74·2	75·4	75·9	76·0	76·3	75·8	79·8	76·5	77·2	77·2
	27 74·1	74·8	73·9	75·7	75·2	77·4	76·6	76·3	76·8	77·0	76·0	75·6
	28 75·8	75·8	75·3	75·0	76·0	76·7	76·8	76·8	76·7	76·5	76·4	75·5
	29 74·8	74·8	74·8	75·4	75·4	76·3	—	76·6	76·5	76·2	75·7	75·2
	30 75·2	75·2	75·2	75·8	—	76·0	76·7	76·5	76·8	76·8	75·4	75·7
Hourly Means	74·60	73·81	73·77	74·03	74·81	75·56	76·75	76·15	76·55	75·88	75·85	75·61
JUNE.	1 75·8	75·8	72·1	—	—	—	—	—	—	—	—	—
	2 —	—	—	74·1	70·1	70·0	74·4	77·1	75·7	76·0	75·4	74·5
	3 74·8	73·8	74·3	74·6	75·0	75·4	76·3	75·8	75·5	76·0	75·8	75·6
	4 74·9	74·9	74·8	73·9	74·2	74·8	75·6	75·8	76·1	75·3	76·2	75·7
	5 75·0	73·6	74·3	75·4	75·8	75·8	76·6	75·8	76·3	76·1	76·3	75·2
	6 75·6	74·9	75·1	75·3	75·5	76·6	76·2	77·0	75·6	75·8	74·6	74·5
	7 75·6	75·2	73·3	75·0	77·4	76·2	76·1	76·1	76·0	76·0	76·0	75·9
	8 75·3	75·2	75·2	—	—	—	—	—	—	—	—	—
	9 —	—	—	75·0	75·3	75·7	75·6	75·9	76·0	75·8	75·9	76·1
	10 68·3	74·4	74·5	75·6	75·8	76·5	76·5	76·2	76·1	76·1	75·5	76·5
	11 75·2	75·2	75·3	75·6	74·4	75·9	76·3	76·1	75·9	75·8	79·5	75·3
	12 75·1	75·1	74·7	75·1	75·6	75·3	75·2	76·4	75·7	75·9	76·0	76·0
	13 73·8	72·3	70·8	73·5	75·0	76·2	76·5	76·6	76·0	76·5	75·8	76·0
	14 74·8	75·2	75·0	74·8	—	75·9	76·7	76·0	—	—	76·0	75·5
	15 75·2	74·6	74·6	—	—	—	—	—	—	—	—	—
	16 —	—	—	74·1	73·8	75·8	76·2	76·5	75·6	76·6	76·7	75·7
	17 74·3	73·2	73·0	72·2	71·1	76·0	76·0	75·6	76·6	77·0	76·2	75·5
	18 72·0	71·0	72·8	74·8	74·8	74·8	79·5	77·8	77·0	76·6	76·2	76·1
	19 74·9	74·2	74·0	74·2	75·2	75·2	76·0	76·0	—	76·7	76·9	75·6
	20 74·8	75·0	74·5	74·8	75·2	75·9	77·1	76·5	75·8	75·0	76·0	75·5
	21 74·6	72·8	70·9	70·9	—	72·4	73·0	73·1	72·8	73·7	75·0	75·4
	22 74·5	74·6	74·8	—	—	—	—	—	—	—	—	—
	23 —	—	—	75·1	75·1	76·7	76·0	76·0	76·3	75·9	75·7	75·2
	24 75·0	75·2	75·0	75·0	76·7	76·8	76·2	76·5	76·0	76·0	75·8	75·2
	25 73·2	75·2	74·5	75·3	76·2	76·3	76·2	76·2	76·0	75·1	75·2	74·7
	26 74·8	74·6	74·8	75·5	75·6	75·7	76·1	75·8	76·3	76·3	75·9	75·7
	27 75·2	75·2	75·2	75·6	75·8	—	76·5	76·3	76·2	75·8	75·7	75·5
	28 75·0	74·8	74·4	74·8	75·5	76·0	77·4	76·2	75·9	75·6	75·3	75·3
	29 71·6	74·6	73·8	—	—	—	—	—	—	—	—	—
	30 —	—	—	73·8	74·3	73·7	75·1	75·2	75·7	75·6	75·6	76·1
Hourly Means	74·37	74·42	74·07	74·56	74·93	75·40	76·13	76·10	75·87	75·88	75·97	75·53

DECLINATION.												
Angular Value of one Scale Division of the Declinometer = 0' 71. Increasing Numbers denote increasing Easterly Declination.												
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.
77.6	75.6	73.6	76.6	78.5	80.7	78.9	76.5	77.8	76.0	74.9	71.5	76.46
76.5	74.3	73.9	74.6	78.8	81.6	78.0	78.3	79.5	78.3	76.0	75.0	76.21
73.2	72.7	74.0	76.5	79.8	80.4	79.5	77.8	77.2	76.1	75.6	75.1	75.13
—	—	—	—	—	—	—	—	—	—	—	—	76.23
73.0	72.6	73.8	77.5	80.8	81.6	80.2	78.6	78.4	78.3	77.2	75.8	75.61
73.8	73.3	73.8	76.4	78.7	79.2	80.1	79.1	77.2	76.3	76.0	75.4	76.19
75.7	74.9	75.1	76.4	78.9	78.0	82.5	82.2	81.0	78.0	73.7	75.6	77.28
77.7	77.7	77.2	78.8	83.7	81.0	81.2	81.2	78.8	78.2	73.8	73.4	75.25
75.9	75.3	75.1	76.7	77.5	78.5	78.1	77.4	76.2	75.8	75.6	75.4	75.46
74.3	73.4	73.2	74.6	76.8	78.4	78.7	79.2	76.8	76.6	75.8	75.5	75.74
—	—	—	—	—	—	—	—	—	—	—	—	76.31
75.4	73.8	72.9	74.3	77.7	78.7	79.0	77.9	76.6	76.6	76.0	76.2	76.22
74.5	73.6	73.8	75.2	77.2	77.6	81.1	80.5	78.0	80.0	77.8	76.0	76.41
74.0	73.2	73.2	80.1	81.0	80.6	81.2	81.6	78.7	77.1	76.2	75.4	76.19
74.8	76.0	75.7	78.8	80.2	80.1	79.5	78.2	76.7	76.3	76.2	75.8	76.01
73.9	73.6	74.9	78.5	80.5	81.0	80.0	77.6	77.2	75.9	75.3	75.1	75.67
72.6	74.2	74.5	75.5	78.5	80.1	80.0	78.0	77.8	77.0	76.2	75.5	75.94
—	—	—	—	—	—	—	—	—	—	—	—	76.15
74.6	74.0	74.0	75.6	77.6	78.5	78.8	78.0	76.2	76.2	75.9	75.4	75.55
74.2	74.2	74.8	76.2	77.8	78.3	78.6	78.0	77.0	76.6	76.0	75.5	76.09
76.7	77.4	76.2	77.4	78.2	78.5	78.5	77.3	76.8	76.3	75.8	75.0	75.69
76.9	83.1	82.7	78.1	80.0	79.8	76.5	75.9	72.0	74.6	72.8	75.0	76.56
76.4	75.8	75.5	76.5	77.7	78.5	78.0	78.3	76.6	76.5	74.9	75.0	77.02
76.0	75.3	75.5	77.1	76.4	77.4	77.5	77.4	74.4	75.2	76.4	75.0	76.19
—	—	—	—	—	—	—	—	—	—	—	—	76.54
76.5	74.2	75.1	77.1	78.8	80.4	80.0	78.2	77.3	76.6	76.0	75.8	75.78
77.2	77.8	77.6	79.2	80.0	79.3	79.2	79.6	76.9	76.3	75.8	75.2	76.00
75.3	75.0	75.3	77.9	78.9	78.8	77.8	76.7	76.8	75.8	75.9	75.0	76.07
73.9	73.2	74.9	76.4	77.8	78.0	78.2	79.4	79.2	79.8	77.6	75.4	75.86
73.6	73.1	74.1	76.0	77.8	78.6	78.2	77.1	76.2	75.8	75.5	75.2	75.99
74.2	73.6	73.8	75.4	77.1	78.6	78.1	77.5	76.4	76.3	75.9	75.9	76.12
75.12	74.85	74.97	76.79	78.77	79.34	79.16	78.42	77.17	76.76	75.73	75.21	75.40
—	—	—	—	—	—	—	—	—	—	—	—	75.86
74.2	74.5	74.6	75.8	78.3	78.9	79.1	78.7	77.1	76.3	76.0	75.0	75.99
74.5	74.6	74.6	76.6	77.9	78.8	78.5	77.8	77.1	76.0	76.0	75.3	76.19
74.8	74.7	75.3	77.4	78.6	79.1	78.8	77.8	76.8	76.2	76.2	75.5	75.91
74.8	74.8	75.5	77.8	79.0	79.5	78.8	77.3	77.1	76.5	75.9	75.5	76.12
73.0	73.5	74.2	77.0	78.6	79.0	78.9	77.4	76.2	76.2	75.8	75.5	75.83
75.9	75.9	76.2	77.1	78.0	78.0	77.4	76.6	76.0	75.9	75.6	75.6	75.75
—	—	—	—	—	—	—	—	—	—	—	—	76.43
75.3	74.9	75.2	75.6	76.6	77.5	77.9	78.1	77.8	77.0	76.3	70.6	76.59
75.3	75.0	76.9	77.7	78.0	78.9	79.6	78.1	77.0	76.7	75.8	75.2	75.57
75.6	74.9	75.2	76.0	77.8	79.3	80.3	79.9	79.0	78.8	79.1	78.4	76.13
75.3	74.2	74.0	76.0	77.8	79.3	80.3	79.9	79.0	78.8	79.1	78.4	75.86
75.3	75.3	75.0	75.5	76.9	78.1	78.2	77.0	76.0	76.0	75.8	75.7	75.14
74.8	74.5	74.8	76.4	78.0	79.5	79.6	77.8	76.2	75.9	75.9	75.5	75.53
—	—	—	—	—	—	—	—	—	—	—	—	75.40
75.6	74.8	74.8	75.4	78.2	78.9	78.4	76.8	74.8	77.3	75.3	75.0	75.71
75.5	74.4	75.4	74.8	79.0	76.8	78.2	77.4	71.1	—	74.1	74.9	74.46
75.8	74.0	74.5	74.9	75.9	76.7	76.6	77.7	76.6	76.2	75.4	75.0	75.72
74.2	73.7	73.9	74.4	74.4	76.4	77.9	76.8	76.2	76.2	75.7	75.6	75.83
75.2	74.1	75.0	75.0	76.0	77.1	77.4	77.5	76.8	74.4	77.5	75.0	75.74
74.6	73.8	74.2	75.0	76.8	77.7	77.3	76.6	76.0	75.8	75.2	75.0	75.42
—	—	—	—	—	—	—	—	—	—	—	—	75.48
73.9	72.9	73.4	76.2	79.0	79.2	78.8	76.3	75.7	75.4	75.6	75.0	76.00
74.2	73.8	74.2	75.8	77.5	77.2	77.2	76.4	76.2	76.4	75.8	75.8	75.33
73.7	73.2	74.6	76.5	78.0	77.7	77.0	76.8	77.4	76.8	76.7	75.2	75.74
75.0	72.2	72.8	74.9	76.3	77.2	77.2	76.6	75.3	75.2	75.2	75.1	75.83
74.5	73.2	73.6	74.2	75.6	76.4	77.2	77.1	76.0	75.2	75.2	74.8	75.42
74.6	73.6	74.2	76.2	77.5	78.6	78.3	78.6	77.2	76.9	77.8	74.3	75.78
—	—	—	—	—	—	—	—	—	—	—	—	76.00
75.2	74.4	74.6	75.9	76.8	78.6	78.4	77.4	76.2	74.8	74.3	76.1	75.33
74.83	74.19	74.66	75.97	77.49	78.18	78.20	77.41	76.30	76.07	75.89	75.22	75.74

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0' 71. Increasing Numbers denote increasing Easterly Declination.													
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
JULY.	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	75·2	74·9	75·2	75·3	75·6	75·3	76·5	76·2	75·8	75·8	75·8	
	2	74·8	74·6	74·6	74·0	74·6	74·1	74·9	75·5	75·8	75·8	75·2	
	3	74·2	74·6	74·1	74·1	74·2	74·9	75·1	75·2	75·2	74·8	75·0	74·9
	4	74·6	74·8	75·2	—	76·2	76·4	—	76·6	76·1	76·1	75·6	75·2
	5	74·8	74·3	74·6	74·8	—	76·2	76·2	76·1	—	75·5	75·2	75·3
	6	74·7	74·9	74·2	—	—	—	—	—	—	—	—	—
	7	—	—	—	75·0	75·4	75·4	75·6	75·8	76·3	74·2	76·8	76·3
	8	74·4	72·7	74·0	69·1	67·8	65·3	72·2	74·1	75·0	74·8	75·2	75·2
	9	71·9	74·4	74·7	74·4	75·2	75·6	74·6	75·3	75·0	75·1	75·7	76·0
	10	75·2	74·0	74·4	73·4	75·4	74·6	76·0	76·0	76·0	76·0	75·8	76·0
	11	74·0	75·0	74·0	74·5	75·6	75·7	76·0	76·0	76·1	75·9	75·8	76·3
	12	75·2	74·4	74·3	74·1	74·6	74·8	74·8	75·3	—	75·2	75·5	75·8
	13	74·8	75·0	73·8	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	75·2	75·8	76·1	76·0	75·8	76·2	75·7	75·0
	15	74·3	74·2	74·7	74·1	75·4	76·7	76·4	77·2	77·4	76·7	76·0	74·4
	16	74·2	73·7	73·8	74·8	75·2	76·4	76·2	76·2	75·7	75·5	75·0	74·7
	17	74·1	74·3	74·8	75·2	75·3	75·9	76·3	76·5	76·6	78·3	75·4	76·8
	18	72·4	72·6	73·7	76·2	74·8	—	—	76·4	75·8	77·4	78·0	75·6
	19	74·2	74·6	74·9	75·2	75·8	76·0	77·0	77·0	76·2	75·3	75·1	74·1
	20	75·8	75·0	75·0	—	—	—	—	—	—	—	—	—
	21	—	—	—	75·0	75·2	75·8	76·3	76·3	—	76·0	76·3	75·2
	22	75·0	74·9	74·8	74·4	75·3	75·8	76·0	76·0	76·1	75·9	76·0	75·3
	23	74·9	74·8	74·8	75·2	75·2	75·8	76·7	76·2	76·4	76·2	75·6	74·8
	24	74·9	75·0	75·1	75·3	75·3	75·0	76·2	76·3	76·2	76·2	75·8	75·2
	25	72·4	64·8	65·2	70·4	71·0	79·3	72·1	74·2	85·2	75·8	75·9	74·7
	26	74·0	74·2	73·8	74·4	73·8	74·9	75·3	77·6	75·8	75·0	76·2	75·3
	27	69·0	77·3	76·4	—	—	—	—	—	—	—	—	—
	28	—	—	—	68·6	74·0	74·8	76·8	75·1	74·8	75·1	75·3	74·8
	29	74·8	74·4	74·8	74·2	76·0	75·1	75·3	76·8	75·7	75·5	75·2	74·2
	30	74·8	74·8	75·0	75·0	75·6	76·1	76·2	76·0	75·9	75·7	75·7	74·7
31	75·0	74·8	75·9	67·7	71·9	74·6	76·0	76·2	76·4	78·5	75·3	75·0	
Hourly Means	74·21	74·18	74·29	73·77	74·60	75·24	75·63	76·00	76·32	75·87	75·71	75·23	
AUGUST.	1	74·0	69·1	70·0	75·0	74·0	75·9	84·0	73·7	92·1	75·0	76·7	
	2	71·1	71·1	75·9	75·8	75·4	77·2	77·2	77·0	76·2	76·2	77·2	
	3	67·0	71·9	71·1	—	—	—	—	—	—	—	—	
	4	—	—	—	—	73·8	75·2	75·5	75·5	75·9	75·5	76·7	
	5	75·2	70·5	74·1	73·6	73·6	73·2	75·9	75·5	75·2	75·0	75·9	
	6	75·2	74·4	74·5	74·8	74·2	74·2	75·2	75·6	75·8	75·8	75·8	
	7	76·0	75·8	75·2	75·0	74·9	75·2	75·0	75·2	75·4	75·5	75·5	
	8	74·6	74·2	74·5	74·2	73·8	74·3	74·3	75·0	75·1	75·4	75·0	
	9	78·9	72·5	66·2	62·1	67·8	72·8	76·7	78·0	77·8	78·0	76·5	
	10	74·4	73·8	73·6	—	—	—	—	—	—	—	—	
	11	—	—	—	73·2	—	75·7	77·0	77·8	75·6	75·8	75·5	
	12	74·6	74·7	74·3	75·1	76·1	76·4	76·8	76·5	76·2	76·1	76·5	
	13	74·8	74·8	73·6	75·2	76·0	77·2	77·8	77·1	76·3	76·4	76·0	
	14	74·7	74·8	75·0	75·2	—	—	76·3	76·3	76·2	76·0	76·0	
	15	75·2	75·1	74·9	75·5	75·2	77·6	77·0	77·0	77·0	—	76·2	
	16	74·8	75·1	75·1	72·6	74·5	76·1	77·7	76·1	76·0	76·0	75·1	
	17	75·3	75·2	75·1	—	—	—	—	—	—	—	—	
	18 ^a	—	—	—	74·8 ^b	75·3	75·8	76·4	76·6	76·6	76·1	76·3	
	19	75·4	—	74·8	74·0	73·9	75·3	76·7	76·4	76·2	76·1	76·2	
	20	75·6	75·1	75·1	75·3	75·8	75·7	76·0	76·2	76·0	75·8	75·5	
	21	75·5	75·6	75·4	75·6	75·8	75·8	76·0	76·0	75·9	75·9	76·0	
	22	76·8	75·8	73·0	62·0	62·7	66·2	68·1	72·1	74·6	77·3	75·3	
	23	71·5	62·2	76·3	72·7	76·2	68·8	76·6	75·1	75·0	75·4	76·8	
	24	75·3	74·4	74·0	—	—	—	—	—	—	—	—	
	25	—	—	—	75·0	75·1	76·2	76·4	76·5	76·2	—	76·4	
	26	75·6	73·2	73·7	74·6	74·6	76·1	76·4	76·2	75·9	75·8	76·2	
	27	75·4	74·5	—	75·3	75·8	76·0	75·9	76·0	75·8	75·8	75·8	
	28	75·7	75·1	74·2	73·0	73·8	74·7	75·9	76·4	76·3	76·4	76·2	
	29	75·3	75·6	75·5	75·2	75·4	75·3	76·3	75·0	73·6	73·8	75·2	
	30	74·8	63·8	66·2	70·4	71·7	74·9	75·1	75·2	75·4	75·5	74·9	
Hourly Means	74·72	72·89	73·65	73·40	73·97	74·87	76·24	75·93	76·47	75·86	75·98		

^a Shock of an earthquake felt at Flinders Island in Bass's Straits.

^b The shock must have been felt at Flinders Island just before this observation, viz. 11½ p.m. Sunday 18th August.

DECLINATION.												
Angular Value of one Scale Division of the Declinometer = 0'71. Increasing Numbers denote increasing Easterly Declination.												
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.
74.3	73.5	73.7	75.2	76.2	77.8	78.6	77.8	76.6	76.2	76.0	75.6	75.77
74.7	73.8	73.7	75.2	76.6	76.7	78.6	77.7	76.4	76.1	75.8	75.3	75.40
73.9	73.2	73.2	75.7	77.0	77.3	77.8	77.8	76.7	76.0	75.1	74.8	75.20
74.1	72.6	73.6	74.6	76.3	77.6	77.9	77.0	76.4	75.9	75.5	74.9	75.60
74.0	73.6	73.2	75.4	78.6	78.8	78.7	76.7	76.8	76.0	75.8	74.4	75.68
74.4	73.3	74.5	76.1	76.7	78.9	80.1	78.7	79.1	78.9	84.0	70.4	76.24
74.6	73.7	75.6	76.1	79.5	81.6	80.9	79.9	78.6	75.2	76.2	73.2	74.79
73.8	73.4	74.5	76.7	78.5	78.4	79.2	79.8	77.0	74.2	77.7	76.0	75.71
74.5	73.5	74.0	75.8	78.6	79.8	78.8	76.6	75.6	75.8	75.8	76.3	75.74
74.8	74.0	73.9	74.6	77.7	78.1	78.8	78.5	77.5	78.8	76.2	75.2	75.96
74.6	72.9	72.5	74.4	76.6	78.3	81.8	82.3	80.3	79.6	80.1	78.8	76.36
73.7	73.1	73.8	74.8	77.0	78.0	78.8	77.9	77.0	76.8	75.8	74.8	76.69
73.3	72.6	74.0	76.0	77.6	79.2	79.3	77.2	76.2	75.8	75.2	74.9	75.79
73.2	73.2	74.0	74.4	77.9	79.2	78.1	77.0	75.8	75.3	75.3	73.8	75.36
74.4	74.8	76.4	76.6	79.6	79.5	79.0	77.4	75.5	76.4	71.2	73.7	76.00
74.1	74.0	74.6	75.4	77.0	77.2	79.2	77.4	75.4	75.4	75.4	74.3	75.56
73.2	71.8	73.5	75.2	78.0	79.0	78.8	77.4	75.7	75.3	75.2	74.8	75.55
73.8	72.8	73.0	75.3	76.2	77.2	78.2	77.4	76.2	75.8	75.5	75.0	75.58
73.7	72.8	74.3	76.8	79.2	79.9	80.6	78.2	76.9	76.5	76.2	75.3	76.08
73.6	72.4	72.8	75.6	77.0	78.9	80.0	78.1	75.9	75.9	75.5	74.9	75.72
73.0	71.5	72.6	75.7	79.4	79.9	80.0	82.5	81.2	82.4	84.1	79.6	77.02
74.8	72.8	72.6	77.2	77.5	80.4	80.1	78.6	79.7	76.8	77.5	74.9	75.16
73.4	73.3	74.6	75.6	78.0	79.4	79.8	79.9	78.1	78.1	75.4	74.8	75.86
73.5	71.5	73.2	76.8	77.4	79.6	78.8	78.2	75.8	75.2	75.0	75.0	75.08
73.7	73.8	74.2	76.9	77.7	79.0	79.8	79.7	76.6	75.9	76.0	73.2	75.77
74.2	73.5	74.0	76.2	77.4	80.3	81.6	82.8	80.2	77.2	76.9	76.5	76.51
73.5	74.0	74.6	75.7	78.4	80.0	80.0	79.2	77.3	76.8	76.0	75.2	75.75
73.96	73.16	73.87	75.70	77.69	78.89	79.38	78.58	77.20	76.60	76.46	75.02	75.74
71.9	73.3	73.9	75.3	78.8	81.6	82.2	84.0	77.1	76.9	68.0	73.2	76.32
75.9	73.0	73.4	73.6	78.8	80.5	80.2	80.3	78.0	72.2	76.8	77.0	75.94
74.6	71.3	72.3	74.8	78.5	81.4	81.4	82.0	77.7	76.3	77.9	76.7	75.59
73.3	72.5	73.6	76.8	77.5	79.1	79.2	78.0	77.1	76.6	75.9	76.7	75.37
74.6	72.8	73.2	74.6	77.4	79.8	79.8	79.4	77.4	76.8	76.6	76.8	75.83
73.3	72.0	72.8	73.8	76.3	77.4	78.9	78.8	77.6	77.0	79.1	75.8	75.68
73.9	73.3	74.0	76.2	77.8	80.1	81.0	80.0	79.1	77.8	77.8	79.1	76.05
77.3	72.3	74.9	76.5	78.2	80.4	78.6	78.2	77.8	70.5	74.6	75.8	74.97
74.5	72.5	74.2	75.5	78.0	78.7	79.2	78.5	77.2	76.1	76.0	75.1	75.77
72.2	72.3	74.2	76.8	78.6	79.8	79.2	78.2	77.8	72.9	75.1	75.0	75.83
73.0	72.8	72.1	74.9	77.3	78.7	79.1	78.2	76.9	76.2	76.0	75.2	75.84
72.6	71.5	72.2	74.5	77.4	79.2	79.5	79.2	77.3	76.4	76.8	76.0	75.80
73.3	71.1	72.2	75.1	78.4	80.7	80.2	78.2	77.2	76.5	76.0	75.9	76.16
73.8	73.4	73.4	76.0	77.5	80.1	80.9	79.9	77.1	76.0	75.6	75.3	75.99
72.8	72.3	72.5	75.0	77.1	78.6	79.2	79.2	77.8	77.2	75.0	76.0	75.85
73.0	72.2	72.7	74.6	77.1	79.5	80.3	79.1	77.5	76.8	76.2	75.8	75.83
73.1	72.3	73.8	75.9	78.6	80.4	80.8	79.3	76.8	76.5	—	75.9	76.08
72.9	72.0	73.2	76.1	78.9	80.8	81.2	80.3	79.1	78.8	77.8	75.8	76.46
74.7	73.6	73.5	71.8	76.6	77.5	78.3	79.7	79.9	80.2	78.3	72.4	73.99
75.2	72.9	74.9	78.8	81.2	80.5	79.8	81.5	79.7	78.8	78.2	76.3	75.84
73.3	71.7	72.6	74.9	78.1	81.6	83.0	82.1	78.2	77.8	77.4	76.2	76.38
73.5	72.4	72.4	75.6	78.3	80.5	81.0	80.8	78.8	78.1	76.9	75.8	76.14
70.7	69.6	71.5	75.6	80.6	81.8	80.8	79.0	77.2	77.2	77.2	75.8	75.94
72.8	71.2	70.1	72.9	76.6	79.2	80.1	79.8	78.2	78.0	77.2	76.8	75.62
73.4	71.4	72.5	77.8	78.2	82.2	85.8	87.2	82.8	69.9	77.2	76.9	76.35
73.7	72.4	74.5	77.0	79.2	82.0	83.6	79.2	78.0	77.8	68.9	72.7	74.61
73.59	72.23	73.10	75.40	78.12	80.01	80.50	80.00	78.05	76.36	76.10	75.77	75.78

DECLINATION.												
Angular Value of one Scale Division of the Declinometer = 0' 71. Increasing Numbers denote increasing Easterly Declination.												
Mean Göttingen Time.	0h. ●	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
Aug. 31	Sc. Div. 70°0	Sc. Div. 70°9	Sc. Div. 70°8	—	—	—	—	—	—	—	—	—
SEPTEMBER.	1	—	—	70°8	70°6	72°4	74°2	76°0	—	75°5	75°5	74°0
	2	75°8	71°2	—	73°8	73°4	73°6	75°8	75°8	76°0	76°2	74°2
	3	76°0	76°0	—	76°1	75°8	76°0	76°2	76°2	76°2	76°2	75°8
	4	74°2	74°8	74°4	73°9	71°1	71°2	75°2	75°9	76°1	76°2	76°4
	5	76°0	75°5	75°4	74°8	74°8	75°0	76°0	75°7	75°1	75°0	74°4
	6	76°0	75°8	74°7	75°3	75°6	76°0	76°1	76°8	77°2	75°4	75°0
	7	76°2	74°5	75°4	—	—	—	—	—	—	—	—
	8	—	—	—	66°8	74°8	76°4	76°8	77°0	77°3	76°0	75°8
	9	75°6	75°8	75°8	75°0	76°2	76°7	77°8	80°9	75°4	75°2	74°5
	10	75°0	75°2	75°6	75°7	75°8	76°0	76°2	76°4	—	75°2	74°0
	11	75°8	75°6	75°6	75°7	75°8	76°0	76°0	75°8	76°0	76°6	75°1
	12	76°1	75°8	75°3	75°6	76°2	76°2	76°1	75°8	—	76°7	76°2
	13	75°6	75°1	74°3	74°2	74°8	75°1	75°0	75°2	74°8	76°2	75°4
	14	75°3	72°4	73°7	—	—	—	—	—	—	—	—
	15	—	—	—	74°1	75°2	77°1	75°0	75°6	75°0	75°5	75°6
	16	75°7	75°1	74°4	73°0	73°0	74°2	74°9	75°0	75°2	74°8	74°2
	17	68°6	72°0	73°0	73°9	74°4	75°4	75°4	75°4	75°3	74°7	73°8
	18	75°6	75°3	75°0	75°0	75°5	75°5	75°9	75°5	75°6	75°9	75°7
	19	70°2	70°1	73°7	71°9	74°1	74°9	74°5	74°1	73°3	76°5	74°1
	20	74°1	71°3	72°1	74°3	72°0	69°8	72°6	75°7	76°5	78°2	74°4
	21	73°5	75°1	73°2	—	—	—	—	—	—	—	—
	22	—	—	—	71°5	80°5	76°1	75°6	75°1	76°4	76°6	75°1
	23	71°1	77°1	73°1	74°0	76°0	73°5	74°4	76°4	77°1	77°0	75°7
	24	74°0	75°5	73°9	70°7	70°6	74°0	74°7	75°0	77°1	76°7	75°1
	25	71°3	74°2	67°3	72°5	72°7	73°7	72°5	75°1	75°0	76°6	72°6
	26	69°1	73°3	68°8	66°6	70°3	70°7	76°7	73°7	87°5	74°2	74°9
	27	72°1	73°2	73°1	75°2	73°2	75°3	80°1	77°1	75°5	74°7	72°7
	28	73°9	70°3	72°7	—	—	—	—	—	—	—	—
	29	—	—	—	72°9	75°3	75°4	74°9	82°5	75°5	75°2	80°1
	30	76°4	75°1	70°7	72°0	72°6	73°4	69°9	72°4	74°3	74°9	74°1
Hourly Means	73°97	74°08	73°42	73°28	74°24	74°60	75°33	76°19	76°23	75°83	75°09	
OCTOBER.	1	62°7	59°0	56°9	58°5	61°4	62°6	61°0	79°3	82°7	82°2	
	2	77°8	72°5	76°0	75°0	75°0	74°4	76°8	79°1	73°0	74°6	
	3	75°9	73°7	64°3	75°7	72°0	75°3	75°5	75°8	75°7	74°1	
	4	76°1	76°2	75°2	75°0	—	74°1	73°7	75°1	76°4	75°5	
	5	76°5	75°1	74°5	—	—	—	—	—	—	—	
	6	—	—	—	74°9	74°9	74°9	75°4	76°3	76°8	75°1	
	7	75°2	73°1	73°2	74°8	75°9	—	76°3	76°0	75°0	74°4	
	8	75°2	75°7	74°3	71°3	73°6	74°2	75°0	74°8	74°4	73°4	
	9	75°4	73°5	76°6	74°5	75°4	75°4	75°4	75°2	74°7	73°9	
	10	75°4	74°3	73°7	75°6	75°5	75°1	76°2	75°0	74°6	73°8	
	11	75°5	75°8	75°6	75°7	75°8	76°1	75°7	75°8	75°6	73°7	
	12	75°6	75°3	75°2	—	—	—	—	—	—	—	
	13	—	—	—	75°1	75°2	75°3	75°7	75°9	75°1	74°4	
	14	75°7	75°9	75°3	75°3	75°5	75°3	75°6	76°8	74°5	74°1	
	15	74°8	75°0	79°5	76°1	74°9	—	75°7	74°9	75°1	73°5	
	16	74°1	74°1	74°3	74°1	74°5	74°9	75°2	74°9	75°1	72°6	
	17	73°5	73°3	73°7	74°3	72°9	73°2	74°2	74°2	73°0	72°1	
	18	73°9	74°0	73°5	72°7	79°3	72°8	73°6	74°2	73°5	73°1	
	19	75°9	75°6	75°1	—	—	—	—	—	—	—	
	20	—	—	—	73°8	80°6	76°7	75°0	73°0	72°2	72°2	
	21	67°0	68°2	64°4	78°2	71°3	74°8	75°7	75°1	74°1	71°8	
	22	74°1	72°9	72°0	73°8	74°3	74°9	75°1	75°2	75°0	75°8	
	23	73°2	70°5	72°9	74°1	70°7	72°5	73°2	71°8	70°6	69°2	
	24	75°7	72°9	71°0	71°0	73°6	75°1	74°5	75°1	74°2	71°8	
	25	74°9	74°7	71°7	71°7	—	73°5	74°0	72°3	78°2	72°1	
	26	73°2	72°8	74°1	—	—	—	—	—	—	—	
	27	—	—	—	75°1	75°2	74°2	74°3	76°3	76°1	75°9	
	28	73°5	72°1	74°0	74°0	74°2	74°9	75°2	74°1	74°3	72°1	
	29	73°1	71°8	71°4	72°2	72°5	73°9	73°8	73°1	73°1	72°6	
	30	69°8	70°5	72°4	72°9	75°7	73°9	73°0	74°6	71°9	70°0	
	31	75°6	74°7	73°6	73°5	73°8	73°9	74°1	77°5	—	72°2	
Hourly Means	74°05	73°08	72°76	73°66	74°15	74°08	74°40	74°87	74°80	73°56		

DECLINATION.												
Angular Value of one Scale Division of the Declinometer = 0' 71. Increasing Numbers denote increasing Easterly Declination.												
12h.	13h.	14h.	15h.	16h.	17h.	18.	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.
72.4	71.3	72.6	75.4	77.7	79.4	80.9	79.8	79.5	74.2	76.5	76.2	74.63
72.8	72.7	73.8	75.8	78.0	78.6	78.6	78.3	77.6	77.4	75.9	76.4	75.54
74.4	72.5	73.8	76.2	78.6	78.7	79.9	77.8	77.2	76.9	74.3	72.2	76.03
74.8	74.7	75.2	77.3	79.9	80.9	80.4	78.6	78.3	73.8	76.3	76.0	75.95
72.0	72.2	74.0	77.0	78.4	79.8	78.6	77.8	77.2	76.8	76.8	76.0	75.72
73.2	72.4	73.8	76.5	79.8	81.8	81.6	81.5	80.2	79.2	78.4	77.8	76.84
74.7	73.8	75.5	77.9	80.1	80.7	80.3	75.0	75.0	77.2	75.6	75.4	76.00
72.6	72.8	75.1	78.5	81.6	83.0	82.0	80.5	77.4	77.2	76.1	74.5	76.84
71.8	70.9	73.3	75.5	78.2	79.9	80.2	79.3	77.2	76.4	76.2	75.9	75.76
70.4	69.8	71.8	75.8	78.8	80.2	80.0	78.9	77.7	76.7	76.4	76.3	75.82
70.7	69.3	71.5	76.2	78.8	80.5	81.1	80.1	78.2	77.4	76.3	75.9	76.06
71.7	70.8	71.9	76.0	80.1	82.0	82.8	80.6	80.6	78.8	78.2	80.2	76.40
72.1	70.7	73.2	77.5	79.7	81.4	81.4	80.1	79.2	75.2	76.2	76.2	75.90
71.2	72.8	75.8	76.8	78.7	80.2	79.2	79.1	77.8	78.3	77.5	76.8	75.69
72.3	72.4	74.7	77.7	80.2	81.7	80.0	78.4	78.4	78.8	78.2	76.4	75.59
72.4	72.1	73.8	77.0	78.7	79.6	79.6	78.2	77.3	77.1	76.9	76.0	75.95
71.0	71.2	74.3	78.0	81.1	85.1	89.1	86.7	83.3	75.9	78.2	75.3	76.22
71.7	72.5	74.6	76.7	79.2	79.4	82.0	76.1	72.8	73.4	74.2	74.4	74.44
71.6	71.5	72.6	75.2	78.1	80.3	80.3	81.3	76.1	76.5	74.5	75.63	
71.8	71.2	73.0	76.8	79.5	82.1	83.6	81.9	78.7	76.7	76.1	75.7	76.08
69.3	69.4	71.8	77.1	80.2	81.2	81.3	80.3	78.7	77.4	76.7	77.0	75.42
68.2	71.4	73.9	79.0	85.2	87.3	85.9	83.7	73.1	77.1	71.3	73.3	75.07
70.7	72.9	75.7	78.4	81.5	83.1	84.1	83.2	81.0	77.4	76.6	64.3	75.52
68.0	71.0	75.3	79.5	82.5	81.7	81.1	79.7	77.3	76.3	76.0	75.7	75.70
71.5	73.0	75.9	77.8	79.5	81.4	83.4	80.5	80.1	76.0	76.9	77.3	76.64
69.5	71.0	76.0	80.4	84.4	88.7	89.8	60.4	74.9	70.5	74.0	68.0	74.32
71.65	70.78	73.96	77.15	79.94	81.49	81.82	79.15	77.95	76.47	76.24	75.14	75.93
75.2	76.3	77.7	79.0	80.3	81.1	83.0	82.1	81.5	79.2	78.1	78.7	74.04
72.5	73.2	76.1	79.2	80.3	80.6	81.3	80.2	79.0	78.6	77.5	77.0	76.46
71.7	72.8	75.8	78.0	78.8	80.3	81.7	80.8	78.0	78.7	76.9	76.5	75.54
72.4	75.0	76.7	80.2	82.7	83.0	77.5	80.1	80.2	78.2	76.8	76.1	76.65
72.4	73.1	75.4	77.8	79.2	80.1	79.9	79.1	77.4	76.7	75.7	76.0	76.07
72.4	75.2	79.3	81.0	81.9	80.9	79.7	78.5	72.1	75.9	76.5	75.0	75.97
71.7	73.5	75.8	78.3	79.8	80.8	79.6	77.8	77.8	76.3	76.3	74.2	75.17
69.5	70.1	73.2	78.8	83.4	84.7	83.2	80.2	77.8	76.5	76.2	76.2	75.94
69.4	71.2	75.6	80.7	83.7	84.3	83.0	80.1	77.3	76.1	76.0	75.3	75.95
66.9	68.5	72.9	78.2	82.8	84.4	82.3	79.5	77.5	76.2	76.1	75.7	75.70
67.8	68.8	72.9	78.6	83.7	86.5	85.1	82.4	79.3	77.2	76.7	76.1	76.22
68.5	72.5	76.1	81.0	84.8	86.2	85.2	81.2	78.8	73.1	75.5	75.2	76.34
67.2	69.2	76.0	80.0	82.5	82.7	81.2	79.3	77.8	76.7	75.8	74.6	75.72
66.1	68.8	74.1	78.8	82.7	83.3	82.1	79.8	77.9	76.7	76.1	75.3	75.14
70.2	71.7	74.3	78.1	81.8	83.2	82.8	81.2	79.5	78.2	76.8	75.2	75.37
67.2	69.8	72.9	77.2	81.2	83.3	83.4	81.6	79.2	77.2	76.7	76.4	75.17
70.3	71.9	77.1	84.9	91.0	94.0	93.6	84.1	85.8	80.0	77.9	64.7	77.75
69.2	69.4	73.2	76.3	81.3	83.6	83.0	80.4	78.9	75.6	76.5	74.1	74.41
68.0	70.6	75.6	81.4	84.5	85.2	83.7	81.1	73.9	74.7	75.3	74.3	75.40
64.8	68.2	74.5	81.5	85.5	85.8	83.7	79.8	77.8	76.4	75.8	76.2	74.17
67.2	70.7	74.1	78.2	81.2	82.8	82.9	81.8	79.8	76.3	72.2	72.8	74.59
67.5	71.9	75.0	79.3	84.5	84.9	83.9	80.4	80.5	74.9	62.3	74.56	
71.4	72.7	76.7	79.7	82.5	84.1	84.6	80.8	78.7	77.5	75.2	72.9	76.01
66.8	70.6	75.2	81.6	85.7	86.8	83.2	81.4	79.2	76.8	74.9	71.8	75.43
66.8	69.1	73.2	78.7	82.5	82.0	82.0	80.6	79.0	76.2	75.3	75.8	74.34
66.3	68.6	73.1	77.8	80.8	82.1	81.8	80.9	79.6	76.7	76.1	76.1	74.11
68.3	71.4	76.0	80.1	83.7	83.5	82.2	79.8	77.2	76.1	76.7	75.8	75.61
69.17	71.29	75.13	79.42	82.69	83.71	82.92	80.63	78.68	76.97	76.09	74.45	75.48

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0' 71. Increasing Numbers denote increasing Easterly Declination.													
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
NOVEMBER.	1	75° 8	75° 3	73° 7	72° 8	73° 7	74° 1	73° 4	72° 9	—	—	70° 7	69° 0
	2	74° 8	72° 1	72° 2	—	—	—	—	—	—	—	—	—
	3	—	—	—	72° 7	72° 8	72° 6	72° 7	73° 2	72° 1	71° 0	68° 8	67° 6
	4	73° 5	73° 5	70° 8	70° 5	76° 7	70° 1	73° 6	74° 7	74° 0	76° 0	73° 3	71° 0
	5	74° 5	74° 1	74° 3	74° 0	74° 2	74° 1	74° 3	74° 3	73° 8	73° 0	72° 2	69° 4
	6	70° 0	74° 2	75° 1	74° 8	74° 3	73° 7	73° 0	74° 0	—	72° 2	70° 1	69° 1
	7	75° 2	74° 7	74° 8	74° 9	74° 6	74° 5	74° 2	75° 2	—	72° 1	69° 7	67° 5
	8	74° 3	74° 9	74° 7	75° 0	76° 0	75° 2	77° 1	76° 9	74° 9	73° 3	71° 7	69° 7
	9	75° 3	74° 9	74° 8	—	—	—	—	—	—	—	—	—
	10	—	—	—	71° 9	72° 2	72° 5	74° 3	74° 4	73° 5	71° 6	69° 2	67° 3
	11	64° 6	71° 0	69° 0	70° 2	73° 2	75° 7	69° 8	70° 4	—	73° 9	72° 5	72° 0
	12	75° 2	74° 8	71° 4	72° 8	72° 2	72° 5	72° 9	72° 8	70° 8	70° 2	69° 2	69° 7
	13	75° 7	75° 6	70° 6	73° 0	73° 7	74° 1	74° 0	73° 8	71° 7	69° 3	69° 0	66° 3
	14	75° 0	74° 3	72° 6	72° 5	72° 8	73° 6	72° 9	73° 3	72° 9	72° 5	70° 7	68° 3
	15	74° 9	74° 8	74° 2	76° 5	—	73° 9	74° 1	73° 5	72° 3	70° 6	69° 5	66° 7
	16	69° 1	69° 9	71° 9	—	—	—	—	—	—	—	—	—
	17	—	—	—	71° 1	—	72° 1	71° 9	73° 7	71° 3	69° 9	68° 5	69° 5
	18	68° 2	73° 8	74° 2	74° 8	74° 0	72° 8	72° 5	72° 6	73° 2	73° 0	76° 5	72° 3
	19	67° 9	71° 7	74° 9	68° 8	74° 6	74° 0	73° 6	75° 0	73° 1	72° 0	71° 9	71° 4
	20	69° 0	72° 9	73° 6	74° 6	74° 7	76° 0	76° 6	74° 6	72° 5	71° 7	69° 7	67° 1
	21	75° 4	74° 8	74° 0	77° 0	—	76° 1	74° 4	73° 7	71° 6	69° 4	67° 3	66° 7
	22	68° 3	69° 2	71° 7	70° 3	71° 4	72° 9	71° 1	69° 3	—	68° 4	61° 4	63° 8
	23	71° 6	71° 9	72° 4	—	—	—	—	—	—	—	—	—
	24	—	—	—	69° 1	72° 5	75° 3	75° 1	74° 9	73° 5	71° 5	69° 3	—
	25	73° 5	72° 5	73° 0	74° 3	—	75° 2	75° 8	75° 4	72° 6	71° 2	70° 5	69° 1
	26	74° 3	74° 4	73° 5	74° 2	74° 7	74° 7	74° 8	74° 2	73° 1	72° 2	69° 9	67° 3
	27	72° 5	72° 1	71° 2	73° 1	73° 4	73° 5	73° 5	73° 0	71° 2	70° 0	67° 8	68° 9
	28	74° 3	68° 9	67° 1	65° 2	67° 9	69° 3	68° 4	69° 6	71° 2	69° 6	68° 1	69° 5
	29	75° 8	75° 2	75° 0	74° 8	74° 5	70° 6	73° 0	73° 6	73° 9	73° 2	71° 2	70° 5
Hourly Means	72° 75	73° 66	72° 43	72° 76	73° 53	73° 56	73° 48	73° 56	72° 65	71° 57	69° 95	68° 74	
DECEMBER.	Nov. 30	75° 1	74° 8	74° 1	—	—	—	—	—	—	—	—	
	1	—	—	—	75° 5	71° 7	73° 6	74° 3	73° 7	70° 8	70° 0	67° 3	66° 3
	2	75° 1	74° 1	74° 0	73° 8	75° 5	78° 1	78° 0	74° 2	—	71° 7	68° 9	67° 3
	3	74° 7	74° 7	74° 7	75° 4	74° 8	74° 5	74° 7	73° 8	72° 2	71° 8	69° 7	68° 2
	4	76° 2	71° 1	69° 7	71° 2	72° 2	70° 4	69° 0	72° 1	79° 4	72° 4	67° 9	67° 1
	5	76° 0	75° 2	75° 2	74° 2	75° 7	75° 4	74° 3	74° 4	73° 7	73° 0	68° 3	66° 0
	6	75° 7	75° 5	75° 8	75° 4	—	74° 7	74° 1	74° 9	73° 8	69° 3	68° 0	66° 5
	7	75° 9	76° 1	76° 1	—	—	—	—	—	—	—	—	—
	8	—	—	—	75° 4	75° 6	74° 8	75° 5	74° 6	74° 0	70° 5	66° 2	65° 5
	9	75° 5	76° 0	75° 9	75° 9	75° 7	75° 9	75° 8	74° 9	72° 3	69° 1	65° 9	64° 5
	10	75° 9	73° 9	74° 8	75° 9	74° 2	74° 8	75° 1	74° 3	72° 5	70° 8	68° 3	67° 0
	11	75° 8	75° 6	73° 4	72° 6	73° 8	74° 1	74° 0	73° 1	71° 3	69° 1	65° 9	64° 7
	12	75° 7	75° 2	75° 2	74° 9	74° 7	—	74° 8	74° 8	72° 5	70° 2	68° 8	67° 2
	13	74° 8	74° 1	74° 0	—	74° 3	74° 1	74° 5	74° 0	73° 7	72° 6	70° 5	68° 8
	14	76° 4	73° 9	67° 5	—	—	—	—	—	—	—	—	—
	15	—	—	—	—	67° 1	68° 5	69° 6	69° 6	73° 5	72° 6	72° 3	70° 7
	16	75° 3	74° 7	74° 1	74° 3	73° 3	76° 5	72° 9	71° 4	72° 0	74° 0	72° 4	70° 5
	17	75° 5	75° 1	74° 7	74° 2	74° 8	75° 3	75° 0	74° 2	73° 9	73° 3	72° 1	70° 5
	18	76° 1	—	75° 1	74° 7	74° 3	74° 1	73° 9	73° 8	73° 4	72° 5	70° 8	69° 2
	19	77° 2	73° 6	73° 7	74° 1	67° 2	66° 1	69° 7	70° 5	69° 9	70° 2	67° 3	69° 9
	20	77° 1	79° 7	70° 7	68° 4	70° 5	71° 0	70° 7	72° 4	74° 5	78° 0	72° 3	70° 0
	21	69° 3	72° 0	70° 8	—	—	—	—	—	—	—	—	—
	22	—	—	—	71° 9	74° 5	72° 6	73° 2	77° 5	73° 3	70° 5	67° 6	66° 9
	23	75° 6	75° 6	74° 2	73° 0	73° 6	73° 4	73° 3	75° 4	72° 0	71° 7	69° 0	68° 0
	24	75° 4	75° 5	74° 1	— ^a	—	—	—	—	—	—	—	—
	25	—	—	—	75° 1	74° 0	73° 4	72° 8	72° 5	70° 8	70° 6	66° 8	66° 9
	26	68° 2	69° 6	73° 8	74° 5	74° 0	74° 8	72° 1	72° 2	—	75° 4	68° 3	66° 9
	27	76° 2	75° 2	75° 1	75° 3	73° 0	73° 7	74° 1	74° 0	73° 5	71° 1	70° 7	68° 0
	28	75° 2	73° 8	71° 3	—	—	—	—	—	—	—	—	—
	29	—	—	—	57° 5	58° 2	61° 8	70° 9	68° 0	90° 5	91° 3	84° 5	81° 2
	30	74° 3	72° 2	72° 9	73° 5	73° 9	74° 5	75° 6	78° 9	76° 1	74° 4	72° 4	69° 4
	31	72° 3	72° 1	65° 9	72° 7	69° 0	76° 9	75° 8	77° 7	—	—	74° 2	71° 4
Hourly Means	75° 02	74° 37	73° 37	73° 31	72° 62	73° 32	73° 60	73° 73	73° 89	72° 64	69° 86	68° 41	

^a Christmas Day.

DECLINATION.												
Angular Value of one Scale Division of the Declinometer = 0' 71. Increasing Numbers denote increasing Easterly Declination.												
12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 68°8	Sc. Div. 69°7	Sc. Div. 74°3	Sc. Div. 79°3	Sc. Div. 82°5	Sc. Div. 85°2	Sc. Div. 83°1	Sc. Div. 81°9	Sc. Div. 77°6	Sc. Div. 76°4	Sc. Div. 70°4	Sc. Div. 74°8	Sc. Div. 75°24
—	—	—	—	—	—	—	—	—	—	—	—	—
67°1	70°8	75°1	79°4	82°8	83°6	82°1	80°8	79°0	76°9	76°7	76°2	74°71
70°6	74°4	77°0	80°3	80°1	83°5	81°5	80°9	78°9	77°2	76°1	75°7	75°58
69°6	71°2	71°6	75°8	78°4	81°2	82°1	81°8	79°9	77°2	77°1	76°0	75°17
68°7	70°7	73°2	74°5	78°4	79°5	79°8	79°5	78°1	76°3	75°0	75°1	74°32
66°9	71°2	—	78°7	81°0	81°6	81°6	80°3	78°7	76°9	76°5	75°8	75°30
68°5	72°9	77°9	81°8	83°7	83°7	82°1	80°0	77°3	76°0	76°0	75°5	76°21
—	—	—	—	—	—	—	—	—	—	—	—	—
66°1	68°0	71°0	75°7	79°7	82°2	83°2	83°7	81°4	80°1	78°7	75°1	74°87
70°7	72°0	78°0	80°2	82°7	83°1	82°7	80°9	78°8	77°2	77°1	74°8	74°80
68°7	72°8	75°2	79°1	82°5	82°2	79°7	79°8	78°8	77°2	76°7	76°0	74°72
67°8	71°0	74°3	79°1	82°1	84°4	84°0	83°3	80°0	77°9	77°2	76°3	75°17
67°6	68°8	71°7	76°8	80°1	80°2	80°9	80°8	78°3	76°1	74°8	75°5	74°29
66°3	67°3	70°4	76°3	83°1	84°2	83°1	84°0	80°7	80°8	77°5	69°5	74°97
—	—	—	—	—	—	—	—	—	—	—	—	—
70°0	71°8	74°5	76°8	78°0	79°0	79°0	76°9	76°7	76°9	75°9	70°0	73°23
71°2	74°2	76°8	79°6	82°3	83°0	79°7	77°9	78°3	76°9	73°7	73°8	75°22
70°7	72°8	77°1	80°7	82°9	83°9	81°5	79°4	77°1	75°5	75°2	74°1	74°99
67°8	71°0	76°2	81°2	83°5	83°7	82°1	79°8	77°8	75°9	76°1	75°9	75°17
67°0	69°5	73°0	75°1	78°1	79°3	79°7	80°3	80°2	79°9	74°3	72°1	74°30
72°8	78°0	78°5	81°5	83°4	85°9	78°2	81°2	81°1	72°7	72°5	75°6	73°88
—	—	—	—	—	—	—	—	—	—	—	—	—
70°2	70°8	73°5	78°0	80°1	—	80°7	80°5	79°6	78°0	78°5	76°6	74°70
67°7	70°5	74°1	78°2	80°8	82°4	82°2	81°1	79°1	77°3	76°4	75°4	75°14
67°0	70°2	74°2	78°2	81°1	82°6	82°5	81°5	79°9	79°1	77°7	76°5	75°32
69°4	71°3	74°6	77°4	79°9	83°2	84°8	85°1	84°9	83°5	78°4	73°3	75°25
69°6	74°8	75°4	79°2	81°7	83°5	85°8	85°2	82°6	79°9	78°0	76°6	74°22
69°6	72°2	75°2	77°9	80°9	81°8	81°8	79°8	77°6	76°2	76°0	75°8	75°25
68°82	71°52	74°70	78°43	81°19	82°62	81°76	81°06	79°29	77°52	76°10	74°88	74°89
—	—	—	—	—	—	—	—	—	—	—	—	—
67°7	70°3	74°8	76°6	78°5	81°0	81°8	80°6	79°2	78°1	76°4	76°2	73°68
69°0	71°8	75°3	79°2	82°3	83°0	82°4	81°0	78°9	77°2	74°9	75°5	75°70
68°8	69°4	73°3	76°0	78°7	79°8	80°1	79°5	78°3	76°3	75°8	77°2	74°68
66°7	71°3	74°9	79°1	81°0	82°3	81°9	81°0	78°8	77°1	73°2	75°2	74°22
67°5	72°1	77°4	80°2	81°5	82°0	79°9	77°6	76°6	75°6	75°5	75°2	75°10
67°9	71°8	76°4	81°9	84°2	84°7	82°8	79°6	76°3	75°7	75°6	76°2	75°50
—	—	—	—	—	—	—	—	—	—	—	—	—
66°8	71°2	76°6	81°5	84°6	85°8	84°0	80°9	78°0	76°1	75°0	75°2	75°66
65°4	68°7	74°2	82°9	88°8	90°3	88°1	84°8	81°4	77°9	74°8	76°1	76°28
66°9	71°2	76°2	82°2	84°9	87°3	87°3	84°0	80°8	78°3	77°2	76°7	76°27
67°5	70°2	72°3	82°2	85°2	87°2	85°7	83°1	80°9	77°3	77°0	76°2	75°34
66°3	68°8	74°2	79°7	84°5	87°5	86°9	86°1	82°9	79°5	77°1	76°3	76°25
68°1	70°1	74°8	79°8	83°5	86°5	85°6	83°0	81°8	80°0	79°1	78°2	76°34
—	—	—	—	—	—	—	—	—	—	—	—	—
70°2	72°1	73°9	77°7	80°2	82°2	82°2	79°9	80°0	79°5	78°5	74°9	74°44
70°3	71°4	72°4	74°3	75°6	77°8	79°5	79°0	79°5	77°8	76°7	74°8	74°60
69°7	71°5	72°0	74°7	75°6	77°6	80°3	81°8	81°8	78°4	76°5	76°6	75°21
71°5	72°1	73°8	77°7	81°4	83°0	83°5	81°9	79°8	79°3	78°3	76°4	75°94
66°4	70°7	73°9	78°5	80°3	82°6	82°0	81°0	81°3	79°5	78°0	77°5	74°21
71°0	73°0	76°2	79°8	81°5	83°5	84°7	82°7	81°2	78°6	77°6	70°6	75°65
—	—	—	—	—	—	—	—	—	—	—	—	—
67°7	70°8	73°8	78°9	83°0	83°7	83°1	81°7	80°4	78°0	77°2	76°2	74°78
69°6	70°7	74°4	78°0	81°2	81°5	80°4	80°2	79°7	77°7	76°1	75°4	74°99
—	—	—	—	—	—	—	—	—	—	—	—	—
67°3	70°2	73°7	78°4	83°0	84°2	83°0	81°7	80°0	78°0	76°7	77°5	75°07
66°2	68°9	73°9	79°6	79°8	81°5	82°4	83°4	82°4	80°8	79°6	78°3	75°07
68°1	70°3	72°2	78°3	82°1	83°2	84°1	84°8	81°0	79°1	77°7	75°7	75°69
—	—	—	—	—	—	—	—	—	—	—	—	—
76°0	68°7	70°1	73°7	79°2	81°2	83°0	82°7	81°0	78°7	76°9	75°2	75°45
68°3	68°1	71°5	73°9	79°2	81°8	82°2	81°9	80°7	78°9	72°1	68°9	74°82
70°2	70°1	71°2	74°2	77°6	81°0	82°6	81°6	80°2	78°9	77°6	75°6	74°94
68°50	70°60	73°98	78°42	81°44	83°16	83°06	81°75	80°11	78°17	76°58	75°68	75°26

HORIZONTAL FORCE.													
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '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	86·3	85·4	84·4	85·0	—	—	—	—	85·2	84·1	85·4	
	2	87·4	91·4	85·1	83·6	83·8	84·2	85·5	85·8	86·8	84·3	82·5	
	3	85·5	85·2	84·7	84·4	83·8	84·6	85·3	85·7	86·4	86·3	84·2	
	4	86·7	86·4	87·5	89·4	89·3	88·3	87·1	87·6	87·4	87·2	86·0	86·0
	5	88·4	83·2	92·5	85·5	85·8	85·0	86·9	85·7	85·3	84·2	84·4	83·7
	6	88·1	87·0	89·1	—	—	—	—	—	—	—	—	—
	7	—	—	—	87·7	88·0	85·0	82·5	83·0	84·2	82·5	81·6	79·9
	8	87·4	88·2	93·2	87·8	85·4	86·8	87·5	88·1	89·9	88·2	87·2	84·5
	9	88·1	90·9	—	88·2	87·5	87·9	88·6	87·0	85·8	86·5	87·0	84·6
	10	89·4	88·7	91·8	90·4	88·9	89·2	88·2	88·9	—	88·0	86·5	83·1
	11	88·1	89·1	87·0	86·0	85·4	86·0	86·1	87·0	86·9	86·7	85·9	84·8
	12	85·3	84·8	84·6	84·5	86·2	85·5	85·1	85·5	86·5	86·9	86·0	86·7
	13	84·2	84·2	84·1	—	—	—	—	—	—	—	—	—
	14	—	—	—	88·2	—	88·6	88·0	88·0	87·8	88·6	88·9	87·6
	15	91·1	91·0	90·7	90·7	90·9	90·7	90·7	98·4	91·0	91·1	91·1	90·5
	16	89·5	89·8	89·9	90·2	89·9	89·1	89·2	89·4	89·8	—	88·4	86·7
	17	90·9	89·9	89·2	89·4	89·3	89·0	88·6	88·4	88·5	88·7	88·7	88·7
	18	87·8	87·5	88·0	89·8	89·4	86·3	87·0	87·6	87·7	87·6	87·0	85·4
	19	89·4	89·8	89·8	90·1	—	91·4	91·4	90·4	91·0	90·5	89·5	87·2
	20	91·4	91·3	91·3	—	—	—	—	—	—	—	—	—
	21	—	—	—	91·6	90·8	91·0	91·4	92·2	—	90·3	89·3	87·0
	22	88·7	88·7	88·5	89·4	86·2	85·6	90·4	87·3	86·6	86·1	85·4	84·0
	23	87·2	88·6	90·0	89·6	90·4	90·9	—	91·2	91·2	93·2	94·2	93·5
	24	91·5	90·7	90·4	90·2	90·5	91·4	92·1	91·2	93·0	94·4	94·4	93·4
	25	80·3	79·8	81·3	85·1	84·8	85·0	84·8	85·1	86·8	85·9	85·5	84·9
	26	90·6	90·2	90·3	90·0	90·1	89·8	89·3	89·4	90·7	89·8	89·4	88·2
	27	89·6	89·8	89·5	—	—	—	—	—	—	—	—	—
	28	—	—	—	89·8	89·8	90·0	90·0	91·0	90·4	88·2	87·6	87·7
	29	90·6	90·9	91·6	90·7	90·6	91·3	91·4	91·5	91·1	91·7	90·7	89·9
	30	91·7	91·9	91·3	91·6	92·0	92·0	92·2	92·3	93·3	92·0	90·6	88·7
	31	90·8	90·7	91·0	90·8	90·6	90·8	91·5	92·3	92·0	92·5	91·6	89·4
Hourly Means	88·37	88·33	88·72	88·53	88·31	88·28	88·43	88·54	88·75	88·33	87·73	86·58	
TEMPERATURE OF THE BIFILAR MAGNET.													
JANUARY.	1	66·0	66·0	66·0	65·8	—	—	—	—	63·4	63·0	63·0	
	2	64·6	64·4	64·3	64·2	63·8	63·8	63·4	63·6	63·5	63·2	63·0	63·0
	3	65·0	65·0	65·0	65·0	65·0	65·0	64·6	64·0	64·3	63·9	63·6	63·6
	4	67·0	66·5	66·0	66·0	66·2	65·8	65·6	65·4	65·0	64·8	64·8	64·4
	5	65·4	65·3	65·1	65·0	64·6	64·5	64·5	64·5	64·0	64·0	63·8	63·5
	6	61·2	61·2	61·2	—	—	—	—	—	—	—	—	—
	7	—	—	—	67·4	67·3	67·3	67·2	67·0	67·0	66·8	67·0	66·8
	8	64·4	64·0	63·7	63·5	63·0	62·8	62·4	62·0	61·8	61·0	61·0	61·0
	9	62·0	62·0	—	62·0	61·5	61·2	61·0	61·0	61·0	60·7	60·5	60·5
	10	62·0	62·0	61·6	62·0	61·8	61·7	61·5	61·3	—	61·0	61·0	61·0
	11	64·2	64·3	64·0	64·7	64·4	64·4	64·6	64·6	64·0	64·0	64·0	64·0
	12	65·8	65·8	65·8	65·6	65·5	65·2	65·0	65·0	64·7	64·6	64·5	64·5
	13	69·8	69·8	69·8	—	—	—	—	—	—	—	—	—
	14	—	—	—	63·6	—	63·2	63·0	63·0	62·5	62·0	61·5	61·0
	15	61·0	61·0	61·0	61·0	60·6	60·6	60·8	61·0	60·9	60·6	60·4	60·3
	16	63·0	63·0	63·0	63·0	62·9	62·7	62·5	62·3	62·0	—	62·0	61·8
	17	63·8	63·7	63·7	63·7	63·7	63·5	63·0	63·0	63·0	62·8	62·6	62·5
	18	66·4	66·4	66·4	66·4	66·0	65·6	65·2	64·7	64·4	63·8	63·4	63·1
	19	62·0	61·8	61·4	61·4	—	60·9	60·6	60·3	59·6	59·2	59·2	59·2
	20	60·4	60·4	60·3	—	—	—	—	—	—	—	—	—
	21	—	—	—	63·0	63·0	63·0	62·5	62·2	—	62·2	61·9	61·9
	22	67·3	67·4	67·4	67·7	67·8	67·8	67·6	67·4	67·3	67·2	67·2	67·0
	23	65·2	64·7	64·4	64·2	63·2	62·0	—	62·2	62·4	62·0	61·8	61·7
	24	60·8	61·0	61·0	61·0	61·2	61·0	61·0	61·0	61·1	61·0	60·8	61·2
	25	66·0	66·2	66·3	66·2	66·2	66·0	66·0	66·0	65·7	65·6	65·3	64·8
	26	63·3	63·3	63·1	62·8	62·4	62·4	62·2	62·0	61·8	61·5	61·0	61·0
	27	64·8	64·6	64·6	—	—	—	—	—	—	—	—	—
	28	—	—	—	64·6	64·3	63·8	63·5	63·1	62·5	62·2	62·0	62·0
	29	62·3	62·3	62·0	62·0	61·4	61·2	61·2	61·2	60·6	60·0	60·0	59·8
	30	62·3	62·0	62·0	62·0	62·0	61·5	61·0	61·0	60·6	60·4	60·3	60·0
	31	63·8	63·8	63·5	63·5	63·6	63·3	63·0	62·7	62·2	62·0	61·6	61·5
Hourly Means	64·07	63·99	63·95	63·97	63·81	63·47	63·32	63·13	62·99	62·69	62·49	62·37	

HORIZONTAL FORCE.
One Scale Division = '060229 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.
85.7	86.4	86.0	86.6	87.0	88.1	86.1	85.5	85.9	84.1	86.5	84.8	85.72
83.0	84.0	83.7	84.6	87.3	87.7	86.9	86.2	85.5	85.2	85.1	85.4	85.35
84.0	82.0	83.3	83.2	82.4	84.3	86.0	87.6	87.8	87.2	86.7	87.7	85.08
86.9	84.8	85.3	84.1	82.0	80.4	83.1	82.3	87.8	87.4	85.7	86.0	86.05
85.7	84.4	83.4	81.1	84.5	89.1	91.5	86.6	87.7	89.9	89.1	89.5	86.38
—	—	—	—	—	—	—	—	—	—	—	—	—
78.4	79.7	79.6	83.0	85.7	85.4	85.2	85.7	87.1	87.6	86.2	86.1	84.51
80.7	81.0	82.4	82.0	82.7	87.6	88.6	91.0	89.0	88.3	87.1	87.0	86.48
81.8	81.5	81.3	80.5	82.1	—	89.0	90.9	90.2	89.4	88.1	88.8	86.62
81.8	82.7	82.3	82.6	83.8	86.1	88.2	87.1	87.4	89.8	89.1	88.4	87.06
82.5	81.8	82.3	83.6	84.0	84.1	84.4	86.2	86.6	85.1	85.2	85.1	85.41
85.8	83.2	82.3	84.2	83.7	83.5	83.0	83.5	86.0	86.3	85.4	84.4	84.95
—	—	—	—	—	—	—	—	—	—	—	—	—
85.5	84.8	85.1	84.8	84.8	86.4	88.6	91.0	92.5	91.7	—	—	87.64
89.3	87.0	86.2	86.7	88.7	89.6	90.0	90.4	90.8	90.8	91.0	91.3	90.00
84.6	84.8	88.4	91.3	91.4	92.9	91.8	91.0	89.8	89.4	90.4	90.6	89.50
88.3	88.4	88.1	88.1	88.7	89.4	88.5	89.6	87.5	87.0	87.8	88.0	88.69
84.9	85.9	88.5	90.3	91.4	91.5	91.8	91.0	88.4	89.4	90.4	89.7	88.51
86.1	85.7	86.9	88.5	91.8	95.0	96.9	95.3	93.1	90.6	90.3	90.8	90.94
—	—	—	—	—	—	—	—	—	—	—	—	—
85.0	83.9	83.6	84.3	85.5	88.7	91.4	91.0	90.9	90.1	89.8	89.2	89.17
81.5	79.8	80.0	82.0	85.8	89.8	92.8	91.7	89.1	87.3	88.7	89.7	86.88
91.2	87.9	85.6	86.8	87.4	88.8	89.1	91.1	91.7	91.6	92.0	91.2	90.19
90.7	87.9	85.0	83.5	83.5	86.8	86.8	86.8	87.0	85.2	84.3	81.3	88.83
83.7	84.1	84.0	84.5	85.2	89.3	91.7	90.0	91.6	91.2	90.3	90.3	86.05
87.5	86.0	85.9	87.5	89.7	91.3	91.3	91.7	92.4	92.4	92.1	89.0	89.77
—	—	—	—	—	—	—	—	—	—	—	—	—
88.3	88.0	89.6	88.5	87.9	89.4	92.0	90.7	91.0	91.9	90.6	90.1	89.65
88.7	87.8	87.5	88.0	89.3	92.2	93.2	92.6	93.2	91.6	91.4	92.0	90.81
86.0	86.0	90.9	94.0	94.5	95.1	96.2	93.2	92.3	90.9	89.9	90.3	91.62
86.9	86.1	86.3	87.6	90.8	95.5	92.6	92.0	87.7	91.6	92.1	91.8	90.62
—	—	—	—	—	—	—	—	—	—	—	—	—
85.35	84.65	84.94	85.63	86.73	88.77	89.51	89.33	89.26	89.00	88.72	88.49	78.89

TEMPERATURE OF THE BIFILAR MAGNET.

63.0	62.8	63.0	63.3	63.6	64.0	64.3	64.7	64.9	64.9	64.8	64.7	64.27
63.0	62.8	62.8	62.9	63.0	63.2	64.0	64.4	65.0	65.0	65.4	65.3	63.82
63.8	64.1	64.5	65.0	65.4	65.7	66.0	66.3	66.5	66.7	66.5	66.8	65.05
64.5	64.7	64.8	64.8	64.8	65.0	65.0	65.2	65.2	65.0	65.3	65.3	65.30
63.3	63.0	62.7	62.6	62.2	62.2	62.2	61.8	61.8	61.4	61.2	61.2	63.32
—	—	—	—	—	—	—	—	—	—	—	—	—
66.8	66.6	66.0	66.0	65.8	65.6	65.5	65.3	65.3	65.2	64.9	64.7	65.63
61.0	61.0	61.0	61.0	60.8	61.2	61.8	62.0	62.2	62.2	62.4	62.5	62.07
60.5	60.3	60.3	60.3	60.2	—	61.0	61.0	61.2	61.2	61.4	61.6	61.02
61.2	61.3	61.3	61.3	61.4	61.5	61.7	62.0	62.4	62.8	63.0	63.6	61.76
64.0	64.2	64.4	64.7	65.0	65.2	65.5	66.0	66.2	66.2	66.5	66.3	64.81
64.4	64.7	65.0	65.7	66.2	67.0	67.5	68.2	68.8	69.4	69.3	69.7	66.16
—	—	—	—	—	—	—	—	—	—	—	—	—
61.2	60.8	61.0	61.0	60.6	60.6	61.2	61.2	61.2	61.2	61.4	61.4	62.70
60.0	60.4	60.8	61.0	61.0	61.5	61.8	62.0	62.2	62.5	62.8	63.0	61.17
61.5	61.5	61.3	61.5	61.6	61.8	62.3	62.6	62.9	63.3	63.6	63.7	62.43
62.8	63.0	63.7	64.2	64.4	65.0	65.4	66.0	66.0	66.4	66.7	66.7	64.14
62.8	62.8	62.5	62.5	62.0	62.2	62.5	62.5	62.0	62.0	62.0	62.0	63.73
59.3	59.3	59.3	59.3	59.4	59.5	59.7	59.7	59.9	60.0	60.2	60.4	60.07
—	—	—	—	—	—	—	—	—	—	—	—	—
61.8	62.0	62.3	62.8	63.0	63.8	64.2	65.0	65.8	66.1	67.0	67.2	63.12
66.8	66.8	66.8	67.0	67.0	67.1	67.0	66.7	66.5	66.3	65.5	65.2	66.99
61.5	61.3	61.2	61.3	61.0	61.0	61.2	60.8	60.8	60.8	61.2	61.0	62.04
61.7	62.0	62.4	63.0	63.4	64.0	64.2	64.7	64.8	65.1	65.4	65.8	62.44
64.2	63.8	63.5	63.5	63.3	63.3	63.3	63.4	63.4	63.6	63.5	63.2	64.68
61.2	61.2	61.3	61.5	62.0	62.5	62.8	63.5	64.0	64.0	64.2	64.4	62.47
—	—	—	—	—	—	—	—	—	—	—	—	—
61.7	61.7	61.5	61.5	61.5	61.6	61.8	62.2	62.3	62.4	62.2	62.4	62.70
59.6	59.5	59.8	59.8	60.2	60.4	60.4	61.0	61.4	62.0	62.2	62.4	60.95
60.0	60.2	60.4	60.8	61.3	62.0	62.2	63.0	63.4	63.7	63.5	63.8	61.64
61.7	61.8	62.2	62.8	63.3	63.8	64.5	65.2	65.7	66.3	66.2	66.4	63.52
—	—	—	—	—	—	—	—	—	—	—	—	—
62.34	62.36	62.44	62.63	62.72	63.10	63.30	63.57	63.77	63.88	64.01	64.10	63.27

HORIZONTAL FORCE.												
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.												
Mean Göttingen Time. } FEBRUARY.	0h.	1h.	2 h.	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	87.1	92.4	87.8	86.1	91.4	90.2	89.6	85.1	86.4	81.5	85.4	85.2
2	86.6	85.8	—	87.2	88.3	91.6	95.3	92.3	86.5	86.2	87.1	84.3
3	89.7	90.5	89.9	—	—	—	—	—	—	—	—	—
4	—	—	—	89.2	91.0	90.9	91.6	91.2	—	91.0	91.3	91.0
5	92.3	87.0	89.3	89.0	93.1	91.6	92.1	92.8	89.7	89.5	87.9	86.9
6	86.7	86.8	86.7	88.5	86.7	86.5	87.0	87.6	88.0	88.0	85.0	84.9
7	90.6	91.3	93.0	90.9	90.3	90.7	91.3	92.1	93.6	91.0	92.5	92.2
8	89.5	91.3	91.8	93.1	93.1	94.1	91.2	92.4	90.4	91.1	90.9	89.9
9	92.6	92.3	92.0	92.0	91.7	92.1	92.2	92.2	92.8	93.0	93.1	92.9
10	91.3	91.0	90.4	—	—	—	—	—	—	—	—	—
11	—	—	—	90.8	91.0	91.0	90.8	91.4	91.9	93.1	93.4	92.4
12	89.4	89.6	89.8	89.8	—	89.5	90.2	88.4	88.0	88.9	89.6	88.2
13	86.8	86.6	86.7	86.7	87.2	86.6	86.8	86.7	86.6	87.8	88.2	87.3
14	85.5	85.2	85.6	85.3	85.6	85.9	86.0	86.4	86.9	87.9	88.4	87.6
15	84.3	85.0	87.1	85.7	85.0	88.2	86.9	85.0	86.1	85.7	86.2	85.8
16	85.3	85.5	85.1	85.9	84.9	86.2	86.1	86.5	—	87.8	87.9	86.8
17	86.5	86.3	85.8	—	—	—	—	—	—	—	—	—
18	—	—	—	86.6	86.3	86.7	87.0	87.8	88.3	88.8	89.4	88.0
19	90.5	90.5	91.1	90.3	—	—	—	—	92.5	93.1	93.0	91.2
20	95.4	95.4	95.2	94.8	94.6	95.0	94.8	95.8	97.0	97.7	98.4	96.9
21	97.3	96.5	95.9	95.6	95.9	96.0	96.6	97.6	98.2	97.6	97.9	96.8
22	97.4	97.3	97.6	97.3	97.5	97.2	97.7	96.8	97.8	97.2	96.8	95.7
23	94.9	95.0	94.8	94.3	95.9	94.7	94.8	94.8	95.2	95.9	96.3	95.3
24	95.6	95.1	94.8	—	—	—	—	—	—	—	—	—
25	—	—	—	94.6	94.0	94.0	95.1	94.5	95.3	96.4	96.7	96.0
26	94.5	95.8	95.4	93.3	93.9	94.0	94.3	94.7	95.5	—	94.4	93.0
27	93.7	94.0	93.6	94.0	94.1	94.4	95.1	95.6	96.2	96.6	96.7	96.4
28	96.0	96.2	96.4	96.6	95.6	98.3	98.9	94.3	99.0	98.4	94.6	99.0
29	92.4	93.4	92.8	93.3	93.6	93.8	94.9	95.2	—	95.1	94.6	93.5
Hourly Means	90.87	91.03	91.19	90.84	91.34	91.64	91.93	91.55	91.86	91.64	91.83	91.12
TEMPERATURE OF THE BIFILAR MAGNET.												
FEBRUARY.												
1	66.7	66.7	66.7	67.0	66.5	66.4	66.2	66.0	66.0	65.6	65.2	65.0
2	68.8	68.8	—	68.5	68.0	68.0	67.8	67.4	67.3	66.8	66.6	66.2
3	63.0	62.8	62.5	—	—	—	—	—	—	—	—	—
4	—	—	—	62.3	62.2	61.8	61.6	61.8	—	61.0	61.0	61.0
5	63.8	63.4	63.7	63.6	63.5	63.2	63.0	62.8	62.6	62.3	62.2	61.9
6	67.0	67.0	67.0	67.0	67.4	67.3	67.2	66.9	66.4	66.4	66.4	66.2
7	64.2	63.6	63.3	63.0	61.8	62.0	61.8	61.5	61.0	60.5	60.2	60.0
8	61.4	61.4	61.2	61.0	61.0	60.8	60.7	60.5	60.4	60.3	60.0	60.0
9	62.0	61.8	61.6	61.6	61.8	61.7	61.6	61.5	61.0	61.0	61.0	61.0
10	64.7	64.7	64.6	—	—	—	—	—	—	—	—	—
11	—	—	—	63.8	63.4	63.0	63.0	62.8	62.7	62.5	62.3	62.0
12	67.2	67.2	67.2	67.2	—	67.5	67.2	67.0	66.4	66.4	66.4	66.4
13	70.4	70.5	70.5	70.5	70.2	70.2	70.0	70.0	69.8	69.5	69.2	69.0
14	74.0	74.0	73.6	73.5	73.2	73.0	72.8	72.2	72.3	71.9	71.6	71.3
15	74.0	73.6	73.2	73.0	73.0	72.6	72.2	71.8	71.2	71.0	70.6	70.6
16	73.8	73.7	73.5	73.4	73.0	72.4	72.0	72.0	—	71.0	70.6	70.0
17	74.0	74.6	74.8	—	—	—	—	—	—	—	—	—
18	—	—	—	73.5	73.2	72.7	72.3	72.2	71.4	71.4	71.0	71.0
19	69.4	69.1	68.7	68.6	—	—	—	—	66.2	66.0	65.8	65.5
20	63.4	63.2	63.2	63.2	63.2	63.0	62.8	62.6	62.4	62.2	61.8	61.6
21	60.2	60.0	60.0	60.0	59.7	59.5	59.3	58.9	58.2	58.2	58.2	58.0
22	59.6	59.6	59.6	59.6	59.4	59.3	59.3	59.3	59.0	59.4	59.2	59.2
23	62.4	62.5	62.8	62.4	62.5	62.0	62.0	62.0	61.8	61.6	61.0	61.0
24	64.8	64.8	64.8	—	—	—	—	—	—	—	—	—
25	—	—	—	64.0	63.8	63.8	63.8	63.8	63.8	63.2	63.0	63.0
26	64.7	64.7	64.6	64.7	64.5	64.4	64.0	64.0	64.0	—	64.0	64.0
27	64.0	63.2	63.0	63.0	63.0	62.8	62.5	62.3	61.8	61.4	61.4	61.6
28	62.0	61.6	61.4	61.4	61.7	61.5	61.3	61.0	60.5	60.2	60.0	60.0
29	61.8	61.8	61.8	62.0	62.0	62.0	61.8	61.4	—	61.3	61.3	61.2
Hourly Means	65.89	65.77	65.55	65.51	65.13	65.04	64.84	64.65	64.36	64.21	64.00	63.87

HORIZONTAL FORCE.

One Scale Division = '000229 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.
83.7	79.5	79.1	82.5	84.4	86.6	89.3	86.0	86.7	86.9	86.6	86.8	86.09
83.2	81.8	80.8	81.9	85.0	87.3	88.3	86.9	88.8	89.1	88.3	88.9	87.02
—	—	—	—	—	—	—	—	—	—	—	—	89.43
88.0	85.8	83.4	84.0	86.0	88.2	91.8	90.6	90.7	90.9	91.3	89.0	88.41
85.0	81.0	80.8	82.5	85.3	86.4	89.2	90.4	90.5	92.2	87.0	90.3	86.08
83.6	80.8	81.0	80.8	82.4	84.1	86.5	88.6	88.2	88.6	89.4	89.5	90.23
89.9	86.6	83.7	83.9	85.3	88.7	91.9	92.6	90.8	90.9	90.8	91.0	90.48
89.4	87.5	82.6	82.5	86.9	90.4	92.0	92.5	92.4	92.0	91.8	92.8	90.87
90.9	88.6	87.5	86.9	85.3	88.0	89.6	92.1	91.5	91.3	89.5	90.9	90.26
—	—	—	—	—	—	—	—	—	—	—	—	87.20
90.6	87.5	85.4	84.5	84.2	88.5	91.2	92.2	92.8	90.5	90.0	90.4	85.71
87.8	84.0	81.8	82.1	82.7	84.5	86.4	87.0	87.1	87.0	86.9	87.1	84.95
85.5	85.4	83.5	82.5	82.2	83.9	86.2	86.2	85.4	86.0	85.7	85.3	84.66
85.8	82.5	80.5	80.5	81.6	83.9	84.9	84.8	85.2	85.2	83.7	83.8	85.71
84.3	81.7	80.2	80.1	82.0	83.4	84.1	84.7	84.6	85.1	85.2	85.4	87.40
84.8	81.8	80.6	83.1	83.2	86.0	87.2	87.0	88.8	87.2	86.4	87.0	90.84
—	—	—	—	—	—	—	—	—	—	—	—	95.31
86.1	84.2	83.1	83.4	84.8	86.9	89.2	90.7	90.0	89.8	91.0	90.8	95.59
88.7	86.1	84.2	85.2	87.3	90.8	92.6	93.6	93.8	93.4	94.2	94.8	95.40
94.7	92.0	89.6	94.6	90.5	92.3	95.2	96.9	97.4	98.0	98.2	97.0	94.14
94.2	90.1	89.4	90.1	92.6	96.0	97.5	97.1	96.3	95.8	96.5	96.8	94.01
93.6	91.4	90.0	90.0	91.6	94.5	96.5	96.8	95.3	94.5	94.2	94.9	93.06
94.1	91.5	89.6	89.1	90.0	92.6	94.4	94.7	95.5	94.6	95.8	95.6	94.78
—	—	—	—	—	—	—	—	—	—	—	—	93.68
93.3	90.0	88.4	89.3	91.3	92.8	94.3	95.6	95.5	94.5	94.4	94.7	92.41
92.2	89.2	88.6	90.0	91.4	93.2	94.0	94.3	93.8	94.1	94.9	94.9	90.17
94.0	91.0	89.5	90.5	92.0	93.4	95.1	96.4	96.7	96.5	95.2	95.1	86.32
93.0	89.5	86.2	86.1	85.9	88.9	92.0	92.8	92.5	94.3	91.5	92.5	84.62
92.0	88.6	86.2	85.9	87.6	89.1	93.3	93.8	94.3	94.3	94.1	93.8	85.28
89.14	86.32	84.62	85.28	86.46	88.82	90.91	91.37	91.38	91.31	90.90	91.16	90.17

TEMPERATURE OF THE BIFILAR MAGNET.

65.0	65.2	65.3	65.8	66.3	66.5	67.2	68.0	68.4	68.7	69.0	68.8	66.59
65.5	65.3	65.2	64.8	64.4	64.2	64.0	64.0	63.8	63.7	63.4	63.0	65.89
—	—	—	—	—	—	—	—	—	—	—	—	62.14
61.0	61.0	61.2	61.6	61.2	61.8	62.4	63.0	63.5	63.7	63.8	64.0	63.60
61.8	62.0	62.2	62.8	63.0	63.8	64.5	65.0	66.0	66.0	66.2	67.0	66.11
66.2	65.8	65.7	65.7	65.6	65.6	65.5	65.4	65.3	65.0	64.5	64.2	61.24
60.0	60.0	60.0	60.2	60.2	60.2	60.4	60.4	61.2	61.2	61.6	61.5	60.89
60.0	60.0	60.3	60.6	60.8	61.0	61.0	61.6	61.6	62.0	61.8	61.8	62.29
61.2	61.4	61.7	62.0	62.6	62.9	63.4	63.8	64.3	64.6	64.7	64.7	63.83
—	—	—	—	—	—	—	—	—	—	—	—	67.81
62.0	62.0	62.4	62.9	63.5	64.0	64.5	65.0	66.0	66.2	67.0	67.0	70.73
66.5	66.7	66.8	67.5	68.0	68.7	69.1	69.5	69.7	70.2	70.4	70.4	72.76
69.2	69.4	69.5	69.8	70.0	70.8	72.0	72.2	73.0	73.5	74.0	74.4	72.35
71.0	71.2	71.3	71.8	72.2	73.0	73.0	73.5	74.0	74.0	74.0	74.0	72.16
70.7	70.7	71.0	71.2	71.7	72.3	72.8	73.3	73.7	74.0	74.1	74.0	71.40
70.3	70.3	70.4	70.7	71.3	71.4	72.0	72.6	73.2	73.8	74.0	74.3	65.55
—	—	—	—	—	—	—	—	—	—	—	—	61.38
70.8	70.2	70.5	70.2	70.3	70.3	70.2	70.2	70.0	69.8	69.8	69.2	58.93
65.3	65.2	64.8	64.6	64.2	64.2	64.0	64.0	64.0	64.0	63.8	63.7	60.22
61.2	61.0	61.0	61.0	61.0	61.2	61.0	60.8	60.8	60.8	60.4	60.4	62.55
58.0	58.0	58.0	58.0	58.4	58.6	58.7	58.9	59.3	59.5	59.4	59.4	63.79
59.6	59.7	59.8	60.2	60.0	60.8	61.0	61.6	62.0	62.4	62.8	62.8	63.91
61.4	61.8	61.8	62.0	62.6	63.1	63.4	63.8	64.0	64.2	64.6	64.6	62.20
—	—	—	—	—	—	—	—	—	—	—	—	61.00
62.9	62.4	63.0	63.0	63.2	63.7	64.0	64.3	64.4	64.2	64.6	64.7	61.85
64.0	63.6	63.2	63.4	63.4	63.4	63.5	63.5	63.5	63.4	63.6	63.8	63.85
61.7	61.6	61.7	61.8	61.8	62.0	62.0	62.3	62.0	62.0	62.0	62.0	64.85
60.0	60.0	60.3	60.4	60.4	60.8	61.2	61.4	61.4	61.8	62.0	61.8	63.85
61.0	61.0	61.2	61.2	61.2	61.8	62.0	62.5	63.0	63.0	63.0	63.2	63.82
63.85	63.82	63.93	64.13	64.29	64.64	64.91	65.22	65.52	65.67	65.78	65.79	64.85

HORIZONTAL FORCE.													
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '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 .	
MARCH.	1	93·6	93·7	93·7	94·0	93·8	94·2	96·1	94·8	94·5	95·5	94·4	93·7
	2	91·8	90·1	93·9	—	—	—	—	—	—	—	—	—
	3	—	—	—	101·7	93·7	95·3	96·0	94·8	95·9	95·6	95·2	94·1
	4	94·8	93·5	95·1	101·1	97·3	95·9	95·7	94·9	92·2	96·7	93·4	91·2
	5	92·9	92·5	91·2	97·5	91·8	91·6	91·0	91·2	91·3	91·5	87·6	86·4
	6	89·3	86·1	87·5	95·8	88·2	88·6	90·1	88·0	89·3	90·5	91·0	91·9
	7	91·5	92·3	99·6	97·4	92·4	93·7	88·3	92·8	93·9	91·2	89·6	85·6
	8	90·5	90·0	89·7	91·1	—	—	—	—	—	—	—	—
	9	93·0	92·6	93·2	—	—	—	—	—	—	—	—	—
	10	—	—	—	92·7	94·3	95·1	92·7	92·4	90·4	90·7	91·0	90·1
	11	93·3	96·1	94·0	93·8	94·7	94·2	94·6	95·3	95·0	95·5	94·8	94·6
	12	94·1	98·5	93·3	94·3	94·0	97·5	96·6	95·1	94·9	96·4	96·6	95·1
	13	98·0	98·2	98·5	97·6	97·1	98·8	98·0	99·1	99·8	99·6	99·2	98·3
	14	98·9	98·6	99·4	98·6	99·4	98·6	98·9	99·4	99·5	101·0	101·9	99·6
	15	100·0	97·9	100·0	99·3	98·9	99·1	99·3	99·7	100·2	100·8	—	99·6
	16	100·0	98·5	98·6	—	—	—	—	—	—	—	—	—
	17	—	—	—	99·3	98·0	98·1	97·7	97·4	97·7	97·3	97·5	96·6
	18	94·8	93·9	94·0	95·2	95·0	94·1	94·2	94·3	93·8	92·8	93·5	93·2
	19	89·1	91·0	90·4	90·6	90·7	90·7	91·5	91·9	91·6	91·9	91·8	90·1
	20	95·2	94·8	95·4	94·4	95·1	95·9	95·8	96·4	97·1	97·7	97·6	95·9
	21	96·2	96·0	96·0	97·0	96·9	96·9	97·8	97·5	97·4	97·2	97·2	96·0
	22	99·5	98·7	100·5	100·1	100·1	100·3	101·1	101·8	102·1	100·6	101·0	101·1
	23	101·0	101·0	100·9	—	—	—	—	—	—	—	—	—
	24	—	—	—	99·5	99·6	99·9	100·1	100·5	100·7	100·1	101·2	101·2
	25	100·0	99·8	99·8	99·5	100·4	99·5	98·1	97·8	98·6	99·3	99·6	98·3
	26	99·0	99·0	99·2	98·7	98·0	98·5	98·5	98·7	99·2	99·7	100·1	101·5
	27	102·0	101·5	—	100·8	102·0	100·1	99·6	103·5	101·5	102·5	101·0	100·9
	28	98·5	98·3	100·8	100·0	101·1	101·7	103·6	101·1	102·2	102·6	103·5	102·6
	29	99·2	100·9	102·8	102·2	101·7	102·9	103·2	103·2	104·4	104·1	99·8	99·7
	30	86·2	83·4	90·5	—	—	—	—	—	—	—	—	—
	31	—	—	—	100·9	101·4	99·5	100·5	100·9	101·0	97·7	100·5	93·0
Hourly Means	95·48	95·27	95·92	97·43	96·62	96·62	96·49	96·62	96·67	96·88	96·25	95·33	
TEMPERATURE OF THE BIFILAR MAGNET.													
MARCH.	1	63·8	63·8	63·5	63·8	63·9	63·8	63·7	63·6	63·0	63·0	63·2	63·0
	2	65·2	65·0	64·8	—	—	—	—	—	—	—	—	—
	3	—	—	—	60·0	59·5	59·2	59·0	58·8	58·7	58·4	58·2	58·0
	4	60·0	60·0	60·0	60·0	60·3	60·2	60·0	59·8	59·2	59·0	58·8	58·8
	5	62·8	63·0	63·2	63·4	64·2	64·3	64·2	64·2	64·0	64·0	64·0	64·0
	6	66·4	66·2	66·0	66·0	66·0	65·8	65·8	65·5	64·9	64·4	63·8	63·5
	7	62·5	62·4	62·0	62·2	62·6	62·6	62·5	62·5	62·4	62·4	62·4	62·4
	8	67·2	67·3	67·3	67·3	—	66·8	66·8	66·5	66·2	66·0	66·0	65·8
	9	65·8	65·8	65·2	—	—	—	—	—	—	—	—	—
	10	—	—	—	65·5	65·5	65·3	65·1	64·8	64·5	64·4	64·4	64·2
	11	62·6	62·3	62·1	61·8	61·2	61·0	60·8	60·5	60·0	59·8	59·4	59·0
	12	60·4	60·4	60·4	60·4	60·0	60·0	59·8	59·2	59·3	59·1	58·9	58·7
	13	59·2	59·0	59·0	59·0	59·3	59·0	58·8	58·6	58·4	58·0	57·8	57·8
	14	57·5	57·4	57·3	57·2	57·0	56·8	56·8	56·7	56·8	56·2	56·0	56·0
	15	57·2	57·4	57·4	57·4	57·5	57·2	57·0	57·0	57·0	56·6	—	56·4
	16	58·2	58·2	58·4	—	—	—	—	—	—	—	—	—
	17	—	—	—	61·5	62·0	62·2	62·4	62·5	62·8	63·0	63·0	62·8
	18	67·0	67·0	67·0	67·2	67·0	66·8	66·5	66·3	66·0	65·7	65·4	65·3
	19	69·0	69·0	68·6	68·2	68·3	68·0	67·7	67·3	67·0	66·7	66·2	66·2
	20	63·4	63·0	62·7	62·5	62·1	61·4	61·2	61·0	60·8	60·2	60·0	59·8
	21	61·0	61·0	61·0	61·2	61·2	61·0	60·9	60·4	60·2	60·0	60·0	59·5
	22	57·5	57·0	57·0	57·0	57·0	56·8	56·7	56·5	56·0	56·0	56·0	56·0
	23	57·1	57·1	57·1	—	—	—	—	—	—	—	—	—
	24	—	—	—	58·8	58·5	58·5	58·0	58·0	57·8	57·7	57·6	57·4
	25	60·0	60·0	60·0	59·8	59·9	59·8	59·7	59·4	59·2	59·2	59·0	58·8
	26	60·3	60·2	60·0	59·9	59·6	59·4	59·0	59·0	58·8	58·5	58·0	58·0
	27	58·0	58·0	—	58·0	58·0	58·0	57·8	57·8	57·8	57·9	57·9	58·0
	28	57·0	56·5	56·0	56·0	55·8	55·4	54·8	54·4	54·0	53·4	53·2	53·0
	29	53·0	53·0	52·8	53·0	53·0	52·2	52·0	52·0	52·2	52·2	52·2	52·3
	30	59·8	60·0	60·0	—	—	—	—	—	—	—	—	—
	31	—	—	—	54·8	54·5	54·0	54·0	54·0	53·4	54·0	54·0	54·4
Hourly Means	61·23	61·15	61·15	60·84	60·56	60·60	60·42	60·24	60·02	59·84	59·82	59·58	

HORIZONTAL FORCE.												
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.												
12h.	13h.	14h.	15h.	16h.	17h.	18.	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.
91·9	88·2	86·1	85·7	89·1	91·8	93·5	92·5	93·6	89·2	91·1	91·5	92·34
92·1	80·5	85·0	90·6	96·0	97·1	96·6	97·9	94·3	94·8	95·5	96·5	93·96
92·0	91·1	89·1	89·9	93·4	95·3	97·2	96·7	91·4	92·8	92·0	96·1	94·12
83·3	80·8	78·8	81·6	82·0	80·0	85·6	89·6	90·0	90·3	90·0	84·8	88·05
89·1	86·0	83·8	85·4	86·0	84·0	86·1	85·9	87·1	90·6	89·4	96·5	88·59
80·3	84·1	84·7	80·7	80·2	87·0	87·1	90·4	87·6	89·2	87·1	90·6	89·05
86·0	84·4	77·8	80·1	85·4	88·1	89·2	90·3	89·8	90·5	91·1	93·0	88·39
89·7	88·5	86·3	85·5	87·0	89·0	92·2	92·1	91·9	92·9	93·6	94·3	91·30
93·0	90·5	89·5	90·7	92·5	94·0	94·9	95·5	95·5	95·4	95·8	95·2	94·10
93·3	91·5	90·6	91·3	91·7	93·0	95·3	97·1	98·2	98·0	97·8	97·8	95·08
96·4	94·1	91·7	92·0	94·1	95·0	96·7	97·9	98·7	99·0	98·6	97·2	97·23
97·5	95·1	94·5	96·2	98·8	100·3	101·7	101·5	101·4	100·2	100·6	100·5	99·25
97·6	94·4	92·8	94·0	96·1	98·6	99·5	100·3	99·3	99·2	99·5	98·5	98·46
93·9	90·9	89·6	90·0	91·3	92·7	95·1	96·0	95·3	94·8	95·4	95·0	95·70
91·3	89·4	90·0	90·0	91·4	90·9	94·1	92·5	89·8	88·8	90·2	83·5	92·10
88·4	86·2	85·3	87·1	87·4	88·3	88·5	88·9	91·2	92·8	94·1	94·6	90·17
94·2	92·8	92·3	93·4	94·6	96·1	96·3	95·6	97·2	95·8	96·0	97·0	95·53
95·2	94·3	93·2	93·7	95·0	96·9	99·6	99·3	99·0	100·3	100·4	99·8	97·03
101·0	100·0	98·7	98·2	98·9	100·0	101·0	101·1	101·0	100·5	101·0	100·6	100·37
99·3	96·4	94·3	93·8	94·9	96·7	98·2	98·3	99·2	99·7	100·1	100·7	90·05
97·1	95·2	94·0	94·8	95·5	97·7	98·8	98·9	98·8	98·8	99·2	99·0	98·27
99·8	98·9	97·8	97·9	98·4	100·1	100·8	100·9	100·8	101·5	101·5	101·9	99·60
100·2	93·4	93·8	95·5	96·3	97·3	98·0	98·0	98·2	99·1	99·3	101·2	99·38
101·7	100·9	100·1	99·8	98·6	101·7	101·5	102·0	101·5	99·0	99·6	96·0	100·77
97·4	86·6	85·7	85·5	82·9	89·7	81·5	90·3	92·5	84·4	84·0	91·9	94·85
94·3	92·0	93·4	94·1	94·6	95·3	90·4	94·8	97·9	97·8	97·7	99·6	95·73
93·69	91·01	89·96	90·67	92·00	93·72	94·59	95·55	95·43	95·21	95·41	95·89	94·94
TEMPERATURE OF THE BIFILAR MAGNET.												
63·0	63·2	63·3	63·5	63·8	64·2	64·4	64·7	65·0	65·3	65·3	65·4	63·88
57·8	57·8	58·0	58·2	58·4	58·6	58·8	59·0	59·5	59·7	59·8	59·8	59·59
58·6	58·5	58·7	58·8	59·4	59·7	60·3	60·8	61·5	61·7	62·2	62·6	59·95
64·0	64·3	64·8	65·3	65·9	66·0	66·4	66·8	67·0	67·0	67·2	67·8	64·91
63·0	62·4	62·4	62·2	62·5	62·2	62·5	62·5	62·8	62·8	62·5	62·5	63·94
62·8	63·0	63·3	63·8	64·2	64·6	65·3	65·8	66·0	66·5	67·0	67·3	63·69
65·5	65·3	65·3	65·3	65·2	65·2	65·5	65·5	66·0	66·0	66·3	66·3	66·11
64·0	64·0	64·0	64·0	63·8	63·7	63·6	63·5	63·0	63·0	63·0	62·7	64·45
59·0	59·2	59·2	59·4	59·4	59·8	60·2	60·4	60·6	61·0	60·8	61·0	60·44
58·8	58·7	58·8	59·0	59·0	59·0	59·0	59·0	59·3	59·5	59·2	59·2	59·38
57·6	57·2	57·5	57·2	57·7	57·7	57·7	57·7	58·0	57·8	57·7	57·6	58·14
56·1	56·2	56·2	56·3	56·0	56·4	57·0	57·0	57·4	57·5	57·6	57·7	56·80
56·6	56·5	56·6	56·8	57·0	57·0	57·2	57·6	58·0	58·2	58·2	58·2	57·22
62·8	63·0	63·5	64·0	64·5	64·8	65·4	65·6	66·4	66·7	66·8	67·2	63·24
65·0	65·0	65·2	65·7	66·0	66·2	67·0	67·4	68·2	68·6	69·0	69·0	66·65
66·0	66·0	65·5	65·3	65·3	65·2	65·0	64·7	64·6	64·4	64·0	64·0	66·34
59·8	60·0	60·2	60·0	60·0	60·0	60·2	60·2	60·5	60·7	60·8	60·8	60·89
59·2	58·8	58·8	58·8	58·8	58·5	58·0	58·0	58·2	58·0	57·6	57·4	59·48
55·8	55·8	55·8	55·8	56·1	56·2	56·3	56·5	56·7	56·8	56·8	57·0	56·46
57·4	57·0	57·2	57·8	58·2	58·5	59·0	59·4	60·0	60·2	60·0	60·0	58·26
58·8	58·8	58·8	59·0	59·5	59·7	60·0	60·2	60·4	60·5	60·5	60·4	59·64
57·8	57·6	57·6	57·5	57·4	57·2	57·5	57·5	57·8	58·0	58·0	58·2	58·45
57·5	58·0	58·4	58·8	59·0	59·0	58·8	58·6	58·0	58·0	57·6	57·2	58·09
53·0	52·5	52·2	52·2	52·0	52·4	52·4	52·8	52·8	53·0	52·8	52·8	53·76
52·8	53·2	54·0	55·0	55·6	56·2	56·5	57·4	58·0	58·8	59·0	59·4	54·41
54·2	54·5	54·2	54·4	54·8	54·9	55·2	55·5	55·5	55·8	56·0	55·6	55·31
59·50	59·48	59·60	59·77	59·98	60·11	60·35	60·54	60·82	60·98	60·99	61·04	60·37

HORIZONTAL FORCE.												
One Scale Division = '000229 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.	
APRIL.	Sc. Div. 104·8	Sc. Div. 99·9	Sc. Div. 97·2	Sc. Div. 102·4	Sc. Div. 98·5	Sc. Div. 98·1	Sc. Div. 101·7	Sc. Div. 99·2	Sc. Div. 99·3	Sc. Div. 99·0	Sc. Div. 97·9	Sc. Div. 98·1
	2 99·3	101·4	100·8	103·4	102·7	98·8	104·3	100·1	102·7	99·8	98·9	98·9
	3 97·0	98·4	—	99·7	105·0	100·0	101·2	95·0	99·0	100·3	99·4	98·0
	4 103·1	98·4	98·9	98·3	—	100·4	99·8	99·5	—	102·2	101·9	100·4
	5 99·8	100·9	101·8	101·9	101·4	100·1	100·3	101·0	—	102·2	102·0	100·7
	6 100·5	100·8	101·0	—	—	—	—	—	—	—	—	—
	7 —	—	—	106·0	103·2	102·3	102·4	102·6	103·5	103·5	103·4	103·1
	8 102·0	101·8	101·6	101·8	101·5	101·4	101·9	102·3	101·6	102·7	103·0	102·5
	9 103·2	102·8	102·2	101·0	102·7	100·6	101·2	102·5	103·4	104·2	104·2	102·2
	10 96·3	99·7	98·8	100·7	99·8	99·1	100·3	100·3	100·4	100·1	99·7	98·9
	11 99·8	99·4	99·4	98·7	98·6	98·8	99·0	99·5	100·0	100·0	99·8	99·0
	12 101·0	100·4	100·3	100·2	100·3	—	—	—	102·1	102·6	101·8	101·3
	13 101·8	102·0	102·0	—	—	—	—	—	—	—	—	—
	14 —	—	—	101·8	101·8	102·0	101·8	102·5	103·1	103·6	103·6	104·0
	15 102·3	101·0	100·4	100·5	100·9	101·3	101·5	102·4	—	103·0	102·6	102·0
	16 102·1	102·8	102·7	102·0	102·6	101·4	102·6	101·7	102·8	103·2	102·9	102·2
	17 174·7	106·9	88·2	92·2	92·7	95·2	99·3	103·5	96·9	93·2	85·8	91·9
	18 103·1	103·9	102·1	101·2	101·1	100·8	101·4	102·5	102·5	102·6	102·8	100·1
	19 100·8	101·6	101·9	102·1	102·4	102·6	101·8	102·5	102·4	102·9	102·9	102·3
	20 102·9	101·7	102·5	—	—	—	—	—	—	—	—	—
	21 —	—	—	—	103·0	103·2	103·2	103·5	103·7	104·2	104·6	103·6
	22 101·3	100·5	101·2	101·6	101·7	101·6	100·9	100·5	101·6	102·1	102·4	102·3
	23 199·0	99·6	102·8	99·8	100·5	100·2	101·7	102·4	103·5	103·1	105·1	105·2
	24 103·3	102·9	102·6	102·6	102·6	102·5	102·9	104·0	104·2	103·6	103·7	103·3
	25 101·3	100·1	100·6	97·5	99·0	99·7	101·2	97·6	100·2	98·4	99·0	100·0
	26 99·7	91·6	94·0	94·0	95·6	98·2	93·7	97·6	96·9	96·3	97·3	97·7
	27 102·1	100·4	99·9	—	—	—	—	—	—	—	—	—
	28 —	—	—	106·2	102·8	102·9	103·6	103·7	104·2	104·7	105·8	107·0
	29 101·0	104·6	100·5	100·8	102·9	101·6	101·0	100·7	101·0	102·5	102·1	102·5
	30 102·3	99·3	100·5	100·8	101·0	101·0	101·5	103·0	101·8	101·3	101·0	100·5
Hourly Means	100·15	100·88	100·16	100·69	100·98	100·55	101·21	101·20	101·60	101·59	101·29	101·06
TEMPERATURE OF THE BIFILAR MAGNET.												
APRIL.	55·0	55·0	55·0	54·8	54·0	54·0	54·0	54·0	54·0	54·2	53·7	53·5
	2 54·5	54·0	54·0	54·1	54·0	53·8	53·5	53·5	53·4	53·0	53·3	53·1
	3 54·5	54·6	—	54·8	55·0	55·0	54·6	54·2	54·2	53·8	53·5	53·3
	4 55·3	55·1	54·9	54·9	—	54·0	54·0	53·8	—	53·0	53·0	53·0
	5 55·0	55·2	55·4	55·3	56·0	55·8	55·6	55·2	—	55·3	55·1	54·8
	6 54·0	53·8	53·4	—	—	—	—	—	—	—	—	—
	7 —	—	—	52·4	52·4	52·3	52·2	52·0	51·8	51·8	51·2	51·0
	8 54·6	54·4	54·4	54·2	54·2	54·0	54·0	54·0	53·8	53·3	53·2	53·2
	9 56·2	55·6	55·6	55·6	55·8	55·9	55·7	55·5	55·0	55·0	54·8	54·4
	10 58·3	58·4	58·3	58·3	58·0	58·0	57·8	57·8	57·5	57·4	57·0	57·2
	11 58·4	58·6	58·7	58·8	59·0	58·8	58·2	58·0	58·0	57·7	57·5	57·3
	12 58·1	57·9	57·8	57·8	57·8	—	—	—	57·0	56·4	56·4	56·4
	13 57·0	56·8	56·5	—	—	—	—	—	—	—	—	—
	14 —	—	—	56·0	56·0	55·8	55·5	55·5	55·4	55·3	55·2	54·9
	15 55·0	55·0	55·0	55·0	55·0	54·8	54·6	54·3	—	53·6	53·7	53·7
	16 54·5	54·3	54·3	54·2	53·8	53·7	53·8	53·6	53·5	53·2	53·0	53·0
	17 54·2	54·3	54·2	54·0	54·0	54·0	54·2	54·5	54·5	54·4	54·3	54·1
	18 53·2	53·0	53·0	52·8	52·8	52·6	52·3	52·1	51·6	51·4	51·3	51·4
	19 51·7	51·7	51·7	51·7	51·4	51·4	51·6	52·0	52·0	52·0	51·8	51·8
	20 52·4	52·4	52·4	—	—	—	—	—	—	—	—	—
	21 —	—	—	—	52·8	52·7	52·7	52·7	52·4	52·4	52·8	53·0
	22 55·3	55·4	55·5	55·5	55·4	55·4	55·3	55·3	55·0	55·0	55·0	55·0
	23 55·6	55·4	55·4	55·4	55·0	55·0	54·5	54·0	54·2	53·8	53·5	53·2
	24 56·0	56·0	56·0	56·0	56·0	55·7	55·5	55·3	54·8	54·4	54·4	54·2
	25 56·2	56·2	56·4	56·0	56·0	56·3	56·2	56·1	56·0	56·0	56·0	56·2
	26 58·2	58·4	58·6	58·8	59·0	58·8	58·8	58·4	58·4	58·2	57·8	57·7
	27 55·8	55·5	55·2	—	—	—	—	—	—	—	—	—
	28 —	—	—	51·0	50·8	50·8	50·6	50·4	50·2	50·0	50·0	50·0
	29 53·4	53·4	53·6	53·8	54·0	53·8	53·8	53·5	53·7	53·7	53·5	53·4
	30 55·5	55·2	55·0	55·0	55·3	55·0	54·8	54·5	54·0	54·0	54·0	54·0
Hourly Means	55·30	55·22	55·21	55·05	54·94	54·70	54·55	54·41	54·37	54·17	54·04	53·95

HORIZONTAL FORCE.												
One Scale Division = '000229 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. 96'9	Sc. Div. 96'0	Sc. Div. 93'2	Sc. Div. 91'6	Sc. Div. 96'1	Sc. Div. 96'2	Sc. Div. 96'7	Sc. Div. 97'4	Sc. Div. 95'8	Sc. Div. 97'9	Sc. Div. 101'4	Sc. Div. 95'9	Sc. Div. 97'97
97'9	96'1	95'2	96'9	96'6	96'0	96'8	99'7	98'7	97'9	88'5	95'0	98'60
96'4	95'5	95'3	94'6	93'2	96'3	103'1	99'3	99'3	98'3	98'2	97'0	98'24
99'4	99'4	98'4	97'5	99'2	100'4	101'0	100'7	100'2	100'6	100'3	100'0	100'00
97'5	91'2	95'4	92'7	93'1	94'1	94'8	100'1	100'6	100'4	100'7	100'6	98'84
—	—	—	—	—	—	—	—	—	—	—	—	101'77
101'7	99'1	98'1	98'2	—	99'9	101'6	102'0	101'8	102'1	101'9	102'0	101'28
100'9	98'9	95'9	97'9	98'9	100'6	101'8	101'6	101'9	102'7	102'4	103'1	100'96
100'7	98'4	97'8	98'2	98'5	99'3	100'7	101'6	101'4	101'0	99'3	95'8	98'94
97'1	95'9	96'8	97'3	97'4	98'8	99'6	99'0	100'5	98'7	99'6	99'8	99'34
98'0	96'8	97'0	98'0	99'1	99'0	100'0	100'7	100'2	101'0	101'5	100'8	100'29
99'3	97'4	96'4	96'6	97'6	99'6	100'5	101'2	101'4	101'9	102'0	102'2	101'93
—	—	—	—	—	—	—	—	—	—	—	—	100'91
102'9	101'6	100'0	99'6	100'6	102'0	102'6	101'5	100'7	100'1	101'8	103'0	98'22
100'2	99'1	97'1	97'0	98'9	101'1	100'9	100'5	101'0	101'7	102'7	102'8	95'74
99'3	96'5	98'1	95'2	99'7	103'1	94'7	98'5	95'0	91'6	77'3	79'2	101'56
91'0	90'2	94'8	95'7	96'1	98'0	98'5	99'1	100'6	102'2	105'5	105'5	101'51
100'9	101'3	99'4	100'1	100'3	100'5	101'0	101'4	101'5	102'1	102'4	102'5	102'14
101'5	100'1	98'3	98'1	99'5	100'7	102'0	102'0	102'3	102'1	102'2	101'2	101'13
—	—	—	—	—	—	—	—	—	—	—	—	101'37
102'4	99'9	98'3	98'3	99'7	100'3	102'2	102'1	102'4	102'8	102'8	102'0	101'42
101'4	100'5	99'2	98'0	98'5	100'3	101'3	101'7	102'6	102'5	102'3	101'2	98'03
104'0	101'3	98'5	97'7	96'4	99'3	99'6	102'0	102'4	102'4	103'5	102'8	95'74
102'0	99'5	97'6	96'6	96'8	96'7	98'3	100'3	101'9	102'8	102'5	101'0	102'88
98'5	96'1	98'1	96'9	96'0	93'9	97'7	97'8	96'2	96'7	98'2	97'1	100'87
97'2	90'3	94'2	93'6	89'9	90'7	94'2	92'8	99'4	95'8	100'0	107'1	99'50
—	—	—	—	—	—	—	—	—	—	—	—	99'65
105'6	104'9	104'3	103'0	102'1	101'1	99'4	102'0	100'9	99'1	102'9	100'5	99'50
99'7	100'5	99'3	98'7	96'1	98'6	98'8	100'4	101'5	102'0	102'0	102'2	99'50
98'9	98'1	96'3	94'4	97'9	94'8	101'1	101'1	101'1	98'4	95'2	96'4	99'50
99'47	97'87	97'43	97'02	97'93	98'51	99'57	100'25	100'43	100'18	99'89	99'87	99'65

TEMPERATURE OF THE BIFILAR MAGNET.												
53'0	53'0	53'2	53'2	53'0	53'2	53'8	53'8	54'0	54'2	54'5	54'7	53'95
52'8	52'7	52'8	52'9	53'2	53'4	53'6	53'7	53'9	54'2	54'2	54'4	53'58
53'0	53'0	53'5	53'8	54'2	54'5	54'7	54'9	55'2	55'3	55'0	55'0	54'33
52'7	52'7	52'6	53'0	53'0	53'5	53'6	54'0	54'7	54'7	54'5	54'4	58'46
54'6	54'5	54'8	55'0	55'3	55'2	55'0	54'8	54'7	54'5	54'4	54'3	55'03
—	—	—	—	—	—	—	—	—	—	—	—	52'68
51'0	51'0	51'4	52'0	—	53'0	53'0	53'8	54'0	54'6	54'8	54'8	54'13
52'8	53'0	52'8	53'0	53'2	53'8	54'4	55'2	55'7	56'0	56'0	56'0	56'02
54'8	54'8	55'0	55'2	56'0	56'4	57'0	57'6	57'7	58'2	58'3	58'3	57'67
57'2	56'8	57'0	56'8	56'8	57'0	57'4	57'4	58'0	58'2	58'7	58'7	57'93
57'0	57'0	57'0	57'2	57'5	57'5	57'5	58'0	58'0	58'2	58'2	58'2	57'09
56'5	56'6	56'7	56'8	57'0	57'0	57'0	57'2	57'2	57'2	57'0	57'0	55'24
—	—	—	—	—	—	—	—	—	—	—	—	54'12
54'6	54'7	54'7	54'4	54'8	54'5	54'5	54'6	54'8	54'8	54'6	54'8	53'40
53'6	53'2	53'0	53'2	53'4	53'6	53'8	54'1	54'3	54'4	54'2	54'2	54'01
52'8	52'8	52'8	52'9	52'9	52'7	52'8	53'3	53'2	53'6	53'2	53'6	51'88
54'0	54'0	54'3	53'8	53'8	54'0	53'8	53'8	53'8	53'8	53'2	53'2	51'99
51'2	51'0	51'0	51'0	51'3	51'4	51'6	51'8	51'9	51'9	51'8	51'8	53'39
51'7	51'7	51'8	52'0	52'2	52'0	52'2	52'4	52'8	52'8	52'7	52'7	55'34
—	—	—	—	—	—	—	—	—	—	—	—	54'50
53'0	53'0	53'0	53'2	53'8	54'2	54'5	54'7	54'9	55'0	55'0	55'0	55'46
54'8	54'7	54'6	54'6	54'8	55'2	55'4	56'0	56'2	56'2	56'3	56'2	56'62
52'8	53'0	53'0	53'2	54'0	54'2	55'0	55'0	55'2	55'8	55'8	56'0	57'55
54'2	54'7	54'8	55'2	55'0	55'4	56'0	56'0	56'0	56'4	56'5	56'5	51'63
56'4	56'2	56'2	56'2	56'2	56'8	57'3	57'8	57'7	58'0	58'2	58'4	54'10
57'2	57'0	57'3	57'1	56'8	56'8	56'6	56'4	56'5	56'4	56'3	55'8	54'86
—	—	—	—	—	—	—	—	—	—	—	—	54'78
49'8	49'9	50'1	50'4	50'8	51'4	51'6	52'0	52'8	53'0	53'4	53'5	54'78
53'0	53'2	53'6	54'0	54'6	54'8	55'0	55'0	55'6	55'6	55'0	55'6	54'10
54'0	54'0	54'0	54'2	54'7	55'1	55'3	55'6	55'8	55'9	56'0	55'8	54'86
53'79	53'78	53'88	54'01	54'33	54'48	54'71	54'96	55'18	55'33	55'33	55'38	54'78

HORIZONTAL FORCE.												
One Scale Division = '000229 parts of the H.F. Change in the Magnetic moment of the Bar for 1° Fah°. = '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.
MAY. 1	98'4	99'3	99'9	100'5	—	101'1	101'3	98'8	101'8	103'1	102'7	101'0
2	100'1	98'4	99'1	99'5	99'9	100'7	99'7	100'5	101'3	102'6	102'7	99'5
3	99'6	99'0	99'4	100'4	108'9	102'4	101'0	98'6	—	99'7	99'7	99'7
4	101'4	101'5	100'9	—	—	—	—	—	—	—	—	—
5	—	—	—	100'2	101'6	100'9	101'7	101'9	101'7	103'0	103'1	102'4
6	98'5	102'4	100'7	100'6	103'0	100'4	101'1	100'8	101'0	101'2	101'2	101'2
7	100'3	99'3	99'1	99'1	99'2	99'7	99'8	99'9	99'8	100'3	100'9	100'5
8	97'7	101'2	101'3	98'1	99'0	99'1	102'5	99'8	99'7	100'2	100'7	97'5
9	99'0	100'0	100'8	101'8	97'9	100'1	99'4	98'9	99'8	100'1	100'4	101'1
10	101'8	101'6	101'6	101'2	101'5	103'3	101'1	100'7	101'3	101'5	102'3	102'6
11	99'4	99'3	99'4	—	—	—	—	—	—	—	—	—
12	—	—	—	101'2	100'8	101'3	101'8	102'4	103'0	103'5	103'2	103'5
13	101'0	101'4	102'7	101'4	101'8	102'9	102'8	102'3	102'7	103'4	104'2	104'4
14	100'0	100'9	101'1	101'3	102'1	102'0	102'5	103'0	103'3	103'5	103'7	104'5
15	102'1	102'6	103'0	101'5	101'5	100'8	102'4	101'1	101'1	102'2	101'4	100'5
16	101'8	102'5	101'8	103'3	103'7	104'0	104'7	104'5	105'6	105'4	106'0	105'6
17	105'8	105'4	105'8	105'5	105'1	106'4	106'1	106'5	107'1	107'6	108'0	108'0
18	109'5	108'8	109'1	—	—	—	—	—	—	—	—	—
19	—	—	—	104'7	105'6	105'8	105'7	106'3	106'3	106'5	106'7	107'2
20	105'0	104'8	104'8	104'3	104'2	104'3	104'8	105'2	106'0	107'0	107'4	108'3
21	104'4	102'9	103'6	103'3	103'7	103'4	103'7	103'7	—	106'3	106'0	105'9
22	102'0	99'0	99'4	100'2	99'5	100'9	103'2	105'5	104'2	108'2	108'5	103'9
23	103'9	99'9	99'3	101'5	102'6	101'5	100'4	101'2	101'0	102'5	103'4	102'8
24	102'3	103'5	106'1	102'8	102'7	101'9	104'4	104'9	105'7	106'3	103'0	104'1
25	104'3	103'8	103'5	—	—	—	—	—	—	—	—	—
26	—	—	—	106'8	105'9	106'0	106'3	106'2	106'5	107'7	108'1	106'4
27	104'8	104'9	105'5	105'2	106'7	106'1	106'6	107'1	105'9	108'9	109'3	109'2
28	105'2	105'2	107'0	106'9	106'4	107'0	107'9	108'4	108'2	108'4	108'5	108'0
29	108'4	108'4	108'6	108'0	108'4	108'7	109'0	109'4	109'8	109'4	109'7	110'4
30	106'0	106'5	106'3	106'9	106'5	106'7	—	107'5	107'6	107'8	108'6	108'8
31	106'4	106'1	106'1	105'9	—	106'2	106'5	106'8	106'6	107'4	108'0	108'2
Hourly Means	102'56	102'54	102'81	102'67	103'13	103'09	103'32	103'40	103'88	104'58	104'72	104'27
TEMPERATURE OF THE BIFILAR MAGNET.												
MAY. 1	55'9	55'8	55'7	55'8	—	55'4	55'4	55'4	55'2	55'2	55'0	55'2
2	57'8	57'8	57'8	58'0	58'0	57'8	57'8	57'2	57'3	57'2	56'9	56'7
3	58'0	58'0	57'8	57'4	57'6	57'3	57'1	56'7	—	55'4	55'2	55'0
4	55'6	55'5	55'5	—	—	—	—	—	—	—	—	—
5	—	—	—	57'0	56'8	56'8	57'0	56'8	56'8	56'7	56'6	56'3
6	58'0	58'0	58'0	58'0	58'0	57'6	57'5	57'5	57'0	57'2	57'0	57'0
7	58'5	58'4	58'4	58'4	58'2	58'4	58'4	58'4	58'6	58'4	58'4	58'2
8	59'8	59'7	59'4	59'0	58'8	58'2	58'0	58'0	57'9	57'7	57'3	57'2
9	57'0	57'0	57'0	57'0	57'3	57'3	57'1	56'9	56'4	56'4	56'4	56'0
10	57'3	57'4	57'5	57'7	57'7	57'8	57'7	57'8	57'8	57'4	57'2	57'0
11	59'4	59'4	59'0	—	—	—	—	—	—	—	—	—
12	—	—	—	57'4	57'4	57'3	57'2	57'1	56'8	56'4	56'4	56'4
13	56'9	56'8	56'7	56'8	56'8	56'7	56'5	56'5	56'0	56'0	56'0	55'2
14	55'2	55'0	55'0	55'0	55'0	55'0	55'0	54'6	54'6	54'4	54'4	54'2
15	55'0	55'0	55'2	55'2	55'8	55'8	55'8	55'8	55'8	55'8	55'8	55'8
16	53'7	53'3	53'1	52'8	52'8	52'2	51'8	51'8	51'2	51'0	51'0	50'2
17	51'0	50'8	50'8	50'8	50'6	50'2	50'0	50'0	49'8	49'6	49'4	49'3
18	47'0	47'0	47'0	—	—	—	—	—	—	—	—	—
19	—	—	—	51'4	51'4	51'5	51'6	51'8	51'8	51'9	51'9	51'8
20	54'5	54'5	54'5	54'5	54'5	54'2	54'0	54'0	54'1	53'9	53'8	53'7
21	55'4	55'0	55'0	55'0	55'3	55'0	54'8	54'6	—	54'5	53'8	53'8
22	55'6	55'6	55'6	55'7	55'7	55'5	55'2	55'2	55'0	55'0	54'2	54'4
23	55'7	55'6	55'4	55'3	55'0	55'0	55'0	54'6	54'2	54'0	53'8	53'7
24	53'3	53'2	53'1	53'0	53'0	52'5	52'2	52'0	52'0	51'7	51'6	51'6
25	54'3	54'2	54'0	—	—	—	—	—	—	—	—	—
26	—	—	—	50'2	50'2	50'2	50'0	50'0	50'3	50'3	50'3	50'3
27	50'2	50'2	50'2	50'2	50'6	50'4	50'2	50'0	49'8	49'4	49'2	49'2
28	49'4	49'4	49'3	49'3	49'2	49'0	48'8	48'8	48'2	48'0	48'0	47'8
29	48'0	47'8	47'8	47'6	47'5	47'5	47'5	47'3	47'3	47'3	47'3	47'3
30	50'0	50'0	50'0	50'0	50'4	50'3	—	50'3	50'0	50'0	50'0	50'2
31	52'2	52'2	52'2	52'3	—	51'7	52'3	52'5	52'5	52'5	52'8	53'0
Hourly Means	54'62	54'54	54'48	54'47	54'54	54'32	54'38	54'13	53'86	53'83	53'69	53'57

HORIZONTAL FORCE.												
One Scale Division = '000229 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. 98'6	Sc. Div. 97'7	Sc. Div. 97'4	Sc. Div. 97'1	Sc. Div. 96'4	Sc. Div. 97'5	Sc. Div. 97'0	Sc. Div. 96'6	Sc. Div. 99'4	Sc. Div. 100'5	Sc. Div. 100'3	Sc. Div. 102'4	Sc. Div. 99'51
97'0	97'7	95'8	93'5	95'8	96'6	95'0	93'9	97'0	98'4	98'7	99'5	98'45
99'0	98'6	97'5	97'0	97'0	97'9	98'7	101'2	101'9	102'3	102'5	102'0	100'17
—	—	—	—	—	—	—	—	—	—	—	—	100'24
101'6	100'3	99'9	94'9	95'2	98'9	100'4	99'8	99'4	99'0	97'3	98'8	100'24
100'5	99'9	99'6	97'8	96'7	97'4	98'8	100'3	100'4	101'0	101'0	100'4	98'30
99'0	99'2	100'2	100'5	95'4	92'3	93'2	92'5	97'6	96'4	97'3	97'7	98'13
98'8	96'8	97'3	95'6	93'0	96'5	96'1	97'6	97'0	97'2	96'1	96'2	100'37
99'3	99'1	99'6	102'7	103'1	98'8	100'3	101'2	101'4	101'4	101'3	101'4	100'13
101'7	100'4	99'2	97'8	95'0	96'9	98'0	98'4	98'8	98'6	99'0	98'9	100'04
—	—	—	—	—	—	—	—	—	—	—	—	100'55
103'0	102'0	100'9	99'6	99'4	99'3	100'0	101'2	101'3	101'8	102'4	101'2	102'55
103'7	103'4	102'5	102'3	102'0	102'6	103'0	103'4	105'4	101'7	101'8	98'4	101'68
104'8	103'1	96'9	96'5	94'6	100'4	102'2	102'1	102'5	102'7	103'9	102'8	101'14
99'6	96'6	97'3	97'0	99'2	100'1	101'9	103'0	103'3	104'4	103'5	101'1	104'36
105'5	104'7	102'7	102'0	102'5	103'3	104'5	105'5	106'1	106'1	106'5	106'3	106'38
106'8	103'9	103'1	102'5	103'3	105'0	107'2	107'9	108'8	108'4	109'5	109'4	105'82
—	—	—	—	—	—	—	—	—	—	—	—	105'55
107'0	105'8	104'4	103'2	102'7	103'5	104'3	104'6	105'6	106'2	105'1	105'1	104'01
108'1	105'5	105'0	104'4	104'7	105'4	105'6	105'5	105'9	105'9	105'8	105'3	100'55
104'3	105'0	104'4	103'3	101'6	101'8	102'6	103'3	104'2	104'9	104'9	105'1	101'79
102'4	88'8	99'2	99'6	100'5	90'0	94'3	98'2	102'0	98'1	99'1	106'4	103'32
101'2	101'7	100'8	100'9	101'2	101'9	101'8	103'6	104'0	101'2	102'6	102'2	105'21
104'8	102'9	101'7	99'8	102'0	102'9	102'4	103'2	103'3	103'6	102'6	102'8	106'34
—	—	—	—	—	—	—	—	—	—	—	—	107'39
107'0	106'2	105'4	103'1	102'0	102'2	102'6	102'1	105'0	106'3	106'3	105'3	107'82
109'1	107'7	106'0	103'9	105'0	104'9	106'1	105'7	107'3	105'7	105'2	105'3	106'61
108'0	107'3	106'6	106'0	106'8	107'4	108'0	108'5	107'9	107'7	108'0	108'0	106'04
110'4	110'0	109'2	107'4	107'6	106'3	106'3	105'3	103'9	102'3	105'4	105'3	—
108'5	107'1	105'5	104'3	103'9	104'5	105'6	106'5	106'5	106'6	107'0	106'8	—
107'0	106'7	105'8	105'3	105'4	105'3	104'7	105'0	105'1	105'4	105'1	104'0	—
103'21	102'15	101'62	100'67	100'44	100'72	101'50	102'08	103'00	102'73	102'89	102'89	102'70

TEMPERATURE OF THE BIFILAR MAGNET.												
55'5	55'5	55'7	56'3	56'4	56'8	57'2	57'4	57'4	58'0	58'2	58'2	56'20
56'4	56'8	56'8	57'4	57'5	57'9	58'0	58'0	58'4	58'5	58'2	58'0	57'59
55'0	54'8	54'5	54'5	54'2	54'7	54'8	55'1	55'3	55'4	55'5	55'6	55'87
—	—	—	—	—	—	—	—	—	—	—	—	56'88
56'2	56'2	56'4	47'0	57'0	57'2	57'6	58'0	58'0	58'0	58'0	58'0	57'61
57'0	57'0	57'2	57'0	57'3	57'5	57'7	57'9	58'2	58'3	58'4	58'4	59'02
58'5	58'5	58'8	59'2	59'4	59'8	60'0	60'2	60'2	60'5	60'5	60'3	57'67
57'0	56'8	57'0	56'8	56'4	56'5	57'0	57'0	57'0	57'2	57'2	57'2	56'60
56'0	56'0	56'0	56'0	56'1	56'2	56'3	56'5	56'7	56'9	57'0	57'0	58'09
57'2	57'3	57'5	57'2	58'5	58'8	59'0	59'4	59'6	59'8	59'8	59'7	—
—	—	—	—	—	—	—	—	—	—	—	—	57'16
56'5	56'6	56'5	56'8	56'8	56'9	56'9	56'9	57'0	57'0	57'0	56'8	—
55'3	55'3	55'2	55'0	55'0	54'8	55'0	54'8	55'0	55'0	55'0	55'0	55'72
54'2	54'2	54'2	54'3	54'2	54'6	54'8	55'0	55'2	55'2	55'0	55'0	54'72
56'0	56'0	56'0	56'0	55'7	55'6	55'4	55'0	54'8	54'6	54'3	53'9	55'42
50'4	50'3	50'2	50'2	50'2	50'2	50'5	50'7	50'8	51'0	51'0	51'0	51'31
49'2	49'0	48'8	48'8	48'2	48'0	48'0	48'0	47'8	47'7	47'2	47'0	49'17
—	—	—	—	—	—	—	—	—	—	—	—	51'79
52'0	52'0	52'0	52'0	52'7	53'0	53'2	53'5	53'7	54'0	54'3	54'4	54'54
53'6	53'8	54'2	54'5	54'8	55'0	55'0	55'2	55'8	55'8	55'6	55'5	54'73
53'8	53'8	53'8	54'0	54'4	54'7	55'1	55'3	55'4	55'5	55'2	55'5	55'31
54'4	54'4	54'7	55'2	55'3	55'5	55'8	55'8	56'0	56'0	55'8	55'8	54'02
53'5	53'2	53'2	53'2	53'0	53'0	53'0	53'2	53'6	53'6	53'5	53'2	52'77
51'6	52'0	52'0	52'2	52'3	52'3	53'8	54'1	54'3	54'2	54'2	54'4	—
—	—	—	—	—	—	—	—	—	—	—	—	50'73
50'2	50'2	50'2	50'3	50'2	50'2	50'2	50'2	50'2	50'4	50'5	50'4	49'55
49'0	48'8	49'0	49'0	48'9	49'2	49'3	49'4	49'2	49'5	49'2	49'2	48'31
47'4	47'4	47'6	47'7	47'8	48'0	48'2	48'2	48'0	48'0	48'0	48'0	48'25
47'4	47'7	48'2	48'6	49'0	49'0	49'0	49'4	49'8	49'8	50'0	50'0	50'71
50'0	50'0	50'2	50'5	51'1	51'3	51'6	51'8	52'0	52'2	52'2	52'2	53'21
53'1	53'2	53'3	53'6	53'7	53'8	54'2	54'3	54'5	54'5	54'7	54'7	—
53'57	53'58	53'67	53'83	53'93	54'09	54'32	54'46	54'59	54'69	54'65	54'61	54'18

HORIZONTAL FORCE.												
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.												
Mean Göttingen Time. } JUNE.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9.	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	102'7	103'3	102'3	—	—	—	—	—	—	—	—	—
2	—	—	—	103'7	107'2	105'2	104'1	104'5	104'7	104'9	104'9	105'0
3	102'1	102'0	102'6	102'4	103'1	103'8	104'5	103'8	104'2	105'4	106'0	106'6
4	105'4	105'5	104'8	104'2	105'2	104'0	104'4	104'8	105'4	105'8	105'5	106'5
5	103'8	103'8	105'2	104'6	104'9	105'5	105'7	106'1	106'3	107'4	108'0	108'1
6	108'0	107'9	107'5	107'1	106'8	107'2	107'6	108'8	108'9	108'7	109'0	108'5
7	106'4	105'3	105'1	105'4	107'8	106'7	106'9	107'3	107'5	107'7	108'0	108'5
8	106'1	106'0	105'9	—	—	—	—	—	—	—	—	—
9	—	—	—	105'1	105'5	105'7	106'2	106'7	106'7	107'1	107'1	107'2
10	104'6	105'3	105'4	106'2	106'2	107'1	108'0	108'0	107'8	108'5	108'9	109'6
11	105'9	106'8	106'8	106'4	107'1	107'2	107'7	108'3	109'0	108'6	108'8	109'0
12	108'1	108'3	108'1	107'9	108'0	107'9	107'9	108'9	109'2	109'6	110'5	110'3
13	104'7	105'8	104'6	107'5	107'8	108'6	109'1	109'8	109'6	110'1	110'3	109'9
14	108'1	109'0	108'3	108'3	—	109'7	109'8	109'8	—	—	111'1	112'2
15	110'1	108'8	109'0	—	—	—	—	—	—	—	—	—
16	—	—	—	107'9	108'8	108'8	109'3	109'3	110'1	111'0	111'6	112'3
17	109'3	107'5	110'4	107'0	109'2	109'4	108'1	107'5	110'1	112'1	111'8	111'4
18	106'4	105'8	106'0	109'1	108'4	107'5	110'1	109'3	109'1	109'0	111'1	109'1
19	109'5	108'8	109'4	108'9	109'2	109'0	109'5	110'1	—	111'1	111'0	111'5
20	109'4	109'6	109'4	109'5	109'8	110'6	110'9	111'2	111'6	112'1	111'4	113'3
21	107'5	108'9	107'6	108'8	—	111'2	110'9	112'0	112'9	114'5	113'3	113'2
22	110'2	110'6	110'4	—	—	—	—	—	—	—	—	—
23	—	—	—	107'9	107'8	108'0	108'3	108'9	109'3	109'6	110'2	110'9
24	110'5	111'5	111'1	110'8	111'2	112'9	112'0	112'1	113'3	113'5	113'8	114'2
25	110'8	111'5	111'2	111'2	111'4	111'3	112'2	112'0	112'1	112'8	112'8	113'5
26	110'1	109'8	109'7	110'1	109'9	110'4	110'5	109'7	109'8	109'6	110'3	110'6
27	109'3	109'4	109'3	109'5	109'7	—	110'2	110'8	111'4	111'3	111'3	112'1
28	112'4	111'9	111'2	111'2	111'6	111'7	113'4	114'1	114'5	114'5	114'3	114'7
29	111'2	108'7	109'6	—	—	—	—	—	—	—	—	—
30	—	—	—	111'6	112'1	110'1	112'8	112'2	112'2	112'0	112'8	112'8
Hourly Means	107'71	107'67	107'64	107'69	108'21	108'31	108'80	109'04	109'38	109'87	110'15	110'44

TEMPERATURE OF THE BIFILAR MAGNET.												
JUNE.	1	2	3	4	5	6	7	8	9	10	11	12
1	54'8	54'8	54'7	—	—	—	—	—	—	—	—	—
2	—	—	—	53'6	53'6	53'7	53'7	53'7	53'8	53'8	53'8	53'7
3	55'8	55'6	55'4	55'3	55'0	54'8	54'7	54'5	54'0	54'0	53'5	53'0
4	53'3	53'3	53'2	53'2	53'2	53'2	53'2	53'0	53'3	53'3	53'3	53'5
5	54'6	54'0	54'0	54'0	53'8	53'5	53'3	52'9	52'2	52'0	52'0	51'6
6	51'2	51'1	51'0	51'1	51'0	50'8	51'0	51'0	51'0	51'0	51'0	51'0
7	52'0	51'8	51'6	51'8	51'8	51'8	51'8	51'4	51'3	51'3	51'3	51'3
8	53'0	53'0	53'2	—	—	—	—	—	—	—	—	—
9	—	—	—	53'0	52'8	52'5	52'2	52'0	52'0	51'8	51'5	51'2
10	51'6	51'4	51'2	51'4	51'5	51'2	51'2	51'2	51'0	50'6	50'3	50'1
11	50'8	50'5	50'2	50'2	50'3	50'2	49'8	49'6	49'0	48'8	48'4	48'2
12	49'1	49'1	49'0	49'2	49'0	48'8	48'8	48'4	48'8	48'6	48'5	48'2
13	49'4	49'3	49'0	49'2	49'0	49'0	49'0	48'8	48'6	48'4	48'4	48'2
14	48'0	48'0	48'0	48'0	—	47'8	47'6	47'4	—	—	46'2	46'2
15	47'7	47'7	47'8	—	—	—	—	—	—	—	—	—
16	—	—	—	49'0	48'6	48'4	48'4	48'4	48'4	48'2	48'0	47'7
17	47'2	47'2	47'2	47'6	47'8	47'6	47'5	47'4	47'2	46'8	46'6	46'5
18	48'0	48'0	48'0	48'2	48'0	48'0	48'0	47'8	47'8	47'6	47'4	47'0
19	47'0	46'8	46'8	46'8	47'0	47'0	47'0	47'0	—	46'6	46'5	46'8
20	47'6	47'3	47'2	46'8	46'6	46'4	46'4	46'0	46'2	46'1	45'8	45'6
21	43'8	43'7	43'7	43'9	—	44'0	44'0	44'2	44'5	44'8	44'8	45'0
22	46'8	47'0	47'0	—	—	—	—	—	—	—	—	—
23	—	—	—	50'9	50'8	50'7	50'6	50'4	50'2	49'8	49'4	49'2
24	47'5	47'2	46'8	46'8	46'4	46'2	46'0	45'6	45'5	45'2	45'0	45'0
25	45'2	45'2	45'2	45'4	46'0	46'0	46'0	45'8	45'6	45'6	45'5	45'8
26	48'0	48'2	48'4	49'0	49'2	49'0	49'0	48'8	49'0	49'0	49'0	48'8
27	49'8	49'8	49'8	49'6	49'2	—	49'0	48'8	48'8	48'5	48'0	48'0
28	47'4	47'2	47'2	47'2	47'2	47'0	47'0	46'5	46'5	46'2	46'0	46'0
29	45'5	45'5	45'0	—	—	—	—	—	—	—	—	—
30	—	—	—	43'8	43'8	43'8	43'8	44'0	44'0	44'0	44'0	44'0
Hourly Means	49'40	49'31	49'22	49'40	49'63	49'22	49'16	48'98	49'07	48'83	48'57	48'46

HORIZONTAL FORCE.												
One Scale Division = '000229 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.
104.7	104.8	104.0	103.2	101.2	102.3	103.2	103.2	103.8	103.5	103.0	103.1	103.85
106.5	105.8	104.0	103.3	102.6	102.9	103.8	105.1	105.7	105.6	105.9	105.6	104.31
106.2	106.1	105.2	104.0	103.0	102.9	103.7	104.7	105.0	104.8	104.4	104.7	104.84
107.3	106.8	105.3	104.0	103.8	104.2	105.8	107.6	108.0	108.3	107.8	107.7	106.08
107.6	106.0	104.8	104.9	105.5	106.2	107.5	108.0	108.0	108.1	108.4	107.8	107.45
107.9	107.0	106.2	104.5	105.0	106.1	107.1	107.5	107.0	105.9	106.6	106.4	106.66
107.5	107.0	105.2	104.7	105.6	105.3	106.9	107.3	106.7	107.4	107.5	104.4	106.28
109.6	108.8	105.5	102.8	105.4	106.4	107.1	107.6	107.7	107.0	105.2	105.5	106.84
108.6	108.6	108.3	107.6	106.4	106.0	107.6	108.5	108.8	107.2	108.4	108.2	107.74
110.0	109.2	108.2	107.1	106.2	106.2	105.8	107.2	107.4	107.1	105.0	103.9	107.83
111.2	110.6	108.8	108.6	108.1	108.4	108.8	109.9	109.5	110.2	109.6	109.6	108.79
112.2	111.6	109.4	107.8	107.5	108.5	110.4	111.2	111.4	111.0	110.7	110.4	109.92
111.4	108.7	109.0	107.7	108.0	103.7	107.8	108.0	109.8	108.5	109.6	110.2	109.14
111.0	110.5	107.4	108.0	106.3	105.2	106.1	107.2	108.3	—	107.6	108.6	108.69
109.9	110.3	110.0	107.8	104.5	105.1	106.8	108.5	108.2	109.2	109.2	109.5	108.66
111.7	110.8	109.2	108.4	108.1	108.4	109.0	109.3	109.7	109.6	109.1	109.3	109.59
114.4	114.6	111.7	109.8	109.9	110.0	111.4	112.6	112.5	110.8	109.0	108.9	111.02
112.0	110.5	108.5	108.3	108.8	108.5	109.8	111.4	111.0	110.8	110.7	110.3	110.49
110.9	109.3	106.8	106.0	107.2	109.1	111.1	111.8	111.8	111.4	110.8	110.7	109.54
114.3	113.5	112.8	111.2	111.3	112.2	112.2	112.7	112.0	111.8	110.4	111.1	114.19
113.0	112.2	111.0	110.0	111.1	111.2	111.6	112.0	110.7	109.9	109.0	109.5	111.42
110.6	109.9	108.6	107.6	107.3	107.8	108.1	109.3	109.7	109.4	109.5	109.2	109.39
112.6	111.8	110.4	109.3	108.5	108.8	109.4	111.0	111.7	111.9	111.6	111.7	110.56
115.3	114.4	113.3	111.8	110.8	111.4	111.0	111.8	112.2	113.4	108.6	106.0	112.31
113.1	114.0	111.0	109.0	106.0	108.0	110.5	111.6	112.0	110.9	110.2	111.1	111.06
110.38	109.71	108.18	107.09	106.72	106.99	108.10	109.00	109.14	108.90	108.31	108.13	108.56
TEMPERATURE OF THE BIFILAR MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
53.8	54.0	54.0	54.5	54.9	55.3	55.6	55.8	56.1	56.3	56.3	56.2	54.60
53.1	52.8	52.7	52.8	53.0	53.2	53.2	53.2	53.0	53.0	53.3	53.3	53.84
53.2	53.4	54.0	54.4	55.0	55.0	55.2	55.2	55.2	55.2	55.0	54.8	53.92
51.8	51.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.4	51.3	52.26
51.3	51.5	51.8	52.0	52.0	52.2	52.2	52.4	52.2	52.5	52.2	52.0	51.52
51.2	51.0	51.0	51.0	51.2	51.2	51.8	52.0	52.0	52.5	52.4	52.6	51.63
51.2	51.0	51.2	51.3	51.2	51.4	51.7	51.6	52.0	52.0	52.0	51.9	51.95
49.6	49.8	49.8	49.8	50.0	50.2	50.2	50.5	50.7	50.8	50.6	50.6	50.64
48.3	48.2	48.2	48.2	48.3	48.2	48.7	48.9	49.0	49.1	49.1	49.1	49.14
48.5	48.6	48.8	49.0	49.0	49.0	49.2	49.6	49.8	49.8	49.8	49.7	49.01
48.2	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.2	48.2	48.0	48.45
46.2	46.2	46.2	46.6	47.0	47.2	47.3	47.4	47.7	47.7	47.8	47.8	47.25
47.4	47.4	47.5	47.5	47.2	47.4	47.2	47.2	47.2	47.4	47.2	47.4	47.76
46.4	46.2	46.2	46.2	46.6	46.7	47.0	47.2	47.4	—	47.8	48.0	47.06
47.2	47.0	46.8	47.0	46.8	47.0	47.0	47.2	47.0	47.2	47.3	47.3	47.44
46.8	47.2	47.2	47.2	47.8	47.9	47.9	47.8	47.8	47.8	47.8	47.8	47.23
45.5	45.2	44.8	44.8	44.7	44.6	44.5	44.4	44.4	44.0	44.0	44.0	45.54
44.8	45.0	45.2	45.5	46.0	45.6	46.0	46.2	46.2	46.5	46.7	46.9	45.09
49.2	49.0	49.0	49.0	48.8	48.5	48.3	48.0	48.0	47.8	47.8	47.6	48.91
44.8	44.8	44.8	44.8	44.8	45.0	45.2	45.0	45.0	45.0	44.8	45.3	45.52
45.6	46.0	46.0	46.0	46.2	46.6	47.0	47.0	47.2	47.5	47.8	48.0	46.17
49.0	49.0	49.0	49.0	49.0	49.5	49.7	49.8	49.8	49.8	49.8	49.8	49.11
47.8	47.4	47.2	47.2	47.5	47.2	47.3	47.4	47.8	48.0	47.4	47.4	48.21
45.8	45.6	45.4	45.7	45.8	45.5	45.6	45.8	45.5	45.8	45.8	45.7	46.23
44.0	44.2	44.4	45.2	45.4	45.6	45.6	45.6	45.8	46.0	45.6	45.6	44.76
48.43	48.40	48.42	48.56	48.70	48.77	48.91	48.98	49.04	49.22	49.12	49.12	48.95

HORIZONTAL FORCE.												
One Scale Division = '000229 parts of the H.F. Change in the Magnetic moment of the Bar for 1° Fah°. = '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	111.5	111.6	112.2	111.8	111.6	111.7	112.5	112.7	113.0	112.8	113.0
	2	111.5	111.3	111.1	110.6	110.2	110.5	110.0	110.0	110.4	110.8	111.2
	3	107.6	107.2	108.0	107.9	108.0	107.5	107.9	108.6	109.0	109.0	109.4
	4	109.5	109.5	109.4	—	109.0	108.5	—	109.9	111.0	111.0	111.2
	5	110.9	110.5	110.2	110.5	—	110.1	110.2	110.7	—	111.1	111.7
	6	110.8	110.3	111.5	—	—	—	—	—	—	—	—
	7	—	—	—	115.0	115.5	115.3	114.1	113.0	117.1	113.9	113.6
	8	105.3	104.9	106.8	110.5	109.3	107.2	105.9	107.9	108.7	109.6	110.7
	9	106.9	108.0	107.9	107.7	108.4	108.3	108.5	109.2	109.6	109.6	110.1
	10	109.5	109.2	109.4	109.8	110.0	110.0	110.1	110.0	110.7	111.1	111.0
	11	107.6	108.6	109.2	109.0	109.4	109.8	110.3	110.5	110.7	110.9	111.3
	12	109.9	109.2	109.1	108.7	109.0	109.2	109.7	109.9	—	109.9	110.6
	13	108.2	110.0	108.0	—	—	—	—	—	—	—	—
	14	—	—	—	—	110.6	111.2	111.1	111.2	111.1	111.4	111.8
	15	110.9	110.8	111.2	110.8	110.9	111.2	113.5	112.6	112.1	112.0	112.8
	16	110.4	111.2	111.2	111.2	111.2	111.2	111.2	112.0	112.5	113.2	113.0
	17	110.0	110.8	110.6	110.8	110.7	111.2	111.0	111.2	111.5	112.9	111.6
	18	107.2	107.5	107.0	108.7	109.6	—	—	109.8	110.0	110.8	110.7
	19	110.0	110.1	110.2	110.6	110.6	110.6	111.0	111.1	111.9	112.7	113.0
	20	113.0	113.0	113.4	—	—	—	—	—	—	—	—
	21	—	—	—	114.0	114.0	114.2	114.7	114.8	—	115.1	115.5
	22	113.0	112.6	112.8	112.8	113.0	113.3	113.6	113.5	113.8	114.1	114.6
	23	112.2	112.2	112.2	112.0	112.3	111.8	111.8	112.1	112.8	113.1	113.4
	24	113.2	112.9	112.4	113.0	112.8	113.7	113.7	113.6	114.0	114.4	115.2
	25	106.5	106.5	102.9	107.0	105.2	114.0	107.0	106.3	106.5	108.5	108.1
	26	108.8	108.5	108.4	109.1	109.8	108.3	108.6	108.8	109.5	110.4	111.0
	27	102.0	105.9	110.0	—	—	—	—	—	—	—	—
	28	—	—	—	111.0	109.2	108.8	108.6	108.5	108.5	108.0	111.7
	29	109.0	108.8	108.7	108.4	108.5	108.6	109.3	109.2	110.0	110.7	111.1
	30	108.3	109.3	109.3	109.5	109.6	109.6	110.0	110.5	111.0	111.5	111.5
	31	108.5	109.5	114.6	114.7	112.3	111.2	111.1	111.2	111.3	114.0	114.1
Hourly Means	109.34	109.63	109.91	110.60	110.41	110.65	110.62	110.69	111.11	111.65	111.96	113.49
TEMPERATURE OF THE BIFILAR MAGNET.												
JULY.	1	45.4	45.0	45.0	44.8	44.8	44.8	44.5	44.0	44.2	44.1	43.9
	2	46.0	46.2	46.5	46.8	47.0	47.2	47.3	47.3	47.4	47.4	47.2
	3	50.3	50.3	50.4	50.4	50.3	50.3	50.2	50.0	50.0	50.0	49.8
	4	50.4	50.2	49.8	—	49.5	49.2	—	48.5	48.4	48.2	47.8
	5	47.2	47.0	47.2	47.0	—	47.3	47.3	47.3	—	47.0	47.0
	6	46.1	45.9	45.8	—	—	—	—	—	—	—	—
	7	—	—	—	46.0	46.0	46.0	46.5	46.8	47.4	47.3	47.3
	8	47.9	47.7	47.6	47.3	47.2	47.0	47.0	46.8	46.4	46.4	46.4
	9	48.8	48.8	48.6	48.6	48.2	48.0	47.6	47.4	47.4	47.2	47.0
	10	45.8	45.8	46.0	46.0	46.0	46.0	46.0	46.2	46.4	46.4	46.5
	11	48.8	48.8	48.8	48.8	48.7	48.6	48.6	48.6	48.5	48.0	48.0
	12	48.2	48.2	48.2	48.2	48.0	48.0	48.0	48.0	—	48.0	48.0
	13	49.2	49.2	49.2	—	—	—	—	—	—	—	—
	14	—	—	—	—	48.2	48.1	48.0	48.0	47.8	47.4	47.4
	15	47.4	47.3	47.3	47.1	47.0	46.8	46.4	46.2	46.0	46.0	46.0
	16	46.2	46.2	46.2	46.0	46.2	46.0	46.0	46.0	46.1	46.1	46.0
	17	47.8	47.8	47.5	47.5	47.6	47.6	47.6	47.5	47.5	47.4	47.3
	18	49.6	49.5	49.3	49.0	48.8	—	—	47.8	47.5	47.5	47.0
	19	47.2	47.0	46.8	46.6	46.5	46.2	46.0	46.0	45.7	45.5	45.3
	20	44.8	44.5	44.2	—	—	—	—	—	—	—	—
	21	—	—	—	43.0	43.0	43.0	43.0	42.9	—	43.0	43.0
	22	44.2	44.2	44.2	44.2	44.4	44.4	44.0	44.0	44.2	44.2	44.1
	23	46.0	46.0	46.0	46.0	45.8	45.6	45.5	45.4	45.0	44.8	44.7
	24	45.5	45.5	45.4	45.3	45.0	44.8	44.5	44.4	44.2	44.0	44.0
	25	47.2	47.8	47.8	47.8	47.8	48.0	48.1	48.0	48.2	48.4	48.8
	26	49.0	49.0	48.6	48.2	48.2	48.2	47.8	47.7	47.2	47.0	47.0
	27	48.0	48.0	48.0	—	—	—	—	—	—	—	—
	28	—	—	—	47.0	47.2	47.2	47.2	47.2	47.2	47.4	47.3
	29	49.0	49.0	48.8	48.4	43.0	48.2	48.1	48.0	47.8	47.4	47.4
	30	48.6	48.6	48.5	48.5	48.2	48.0	48.0	47.8	47.8	47.5	47.0
	31	47.4	47.4	47.0	46.8	47.0	46.5	46.2	46.0	45.7	45.4	45.2
Hourly Means	47.48	47.44	47.36	46.97	47.1	46.96	46.78	46.81	46.83	46.63	46.55	

HORIZONTAL FORCE.												
One Scale Division = '000229 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.
114.4	113.3	111.3	111.2	109.8	109.9	110.9	112.5	113.0	112.5	111.9	111.7	112.12
111.2	110.2	109.2	109.1	108.3	107.6	108.5	109.5	110.0	109.7	109.3	109.0	110.04
111.0	110.5	109.5	107.7	107.9	107.5	108.2	108.4	108.9	108.7	108.8	109.2	110.72
112.3	110.8	109.8	108.2	108.4	108.7	109.4	110.5	110.6	110.5	110.5	110.8	110.08
112.0	111.1	109.1	108.5	108.1	108.7	109.6	110.9	111.1	110.8	110.6	110.5	110.43
—	—	—	—	—	—	—	—	—	—	—	—	—
113.0	109.9	109.6	108.4	108.3	110.1	111.7	109.5	110.2	108.2	107.5	105.1	111.51
111.0	111.5	110.9	109.8	107.7	107.1	105.6	105.0	104.6	106.2	104.8	110.5	108.01
111.4	110.1	108.5	106.7	105.8	107.4	109.1	109.2	110.3	109.4	109.0	109.2	108.79
111.7	110.8	109.3	108.1	107.5	109.6	110.9	111.4	111.0	110.5	110.3	108.8	110.09
112.3	111.2	110.0	107.7	107.0	107.4	108.8	110.0	109.9	109.1	109.2	109.3	109.62
112.4	112.0	110.8	109.0	107.4	106.7	107.7	109.8	110.9	110.1	110.3	107.0	109.61
—	—	—	—	—	—	—	—	—	—	—	—	—
112.1	110.4	108.8	107.2	106.2	106.7	110.4	112.0	112.7	111.4	110.4	110.1	110.14
112.9	111.0	107.7	108.0	108.8	109.3	111.1	112.1	114.7	112.2	112.2	111.6	111.29
113.4	110.0	106.7	106.1	107.6	109.2	110.9	112.1	111.8	111.4	111.3	108.4	110.89
112.5	111.1	108.4	106.4	106.4	107.3	109.3	110.0	110.9	108.2	104.1	107.2	109.82
111.8	111.0	108.5	107.2	106.4	106.6	108.4	110.6	111.2	111.2	110.5	109.4	109.36
112.8	111.6	110.0	108.6	107.8	110.6	112.5	113.0	113.0	113.1	113.0	113.7	111.44
—	—	—	—	—	—	—	—	—	—	—	—	—
116.5	115.1	114.4	112.8	112.0	111.8	114.0	115.3	114.0	113.8	114.0	113.3	114.14
115.7	114.5	112.2	110.7	110.2	111.6	113.0	114.1	114.0	113.7	113.2	112.7	113.26
115.5	114.0	111.4	110.8	110.1	111.1	112.5	113.6	113.7	113.9	113.5	113.4	112.69
115.3	114.1	113.7	112.8	114.1	116.2	114.1	114.8	108.3	109.3	102.4	106.1	112.74
107.4	106.8	106.5	105.2	104.7	104.7	105.7	106.0	105.8	109.0	108.0	108.8	106.84
109.5	108.4	106.6	107.2	107.6	109.2	108.7	109.9	109.3	105.2	105.7	104.4	108.50
—	—	—	—	—	—	—	—	—	—	—	—	—
110.4	107.7	109.0	103.3	106.1	107.0	109.1	109.4	110.0	109.7	109.3	109.3	108.48
112.1	110.9	109.0	106.4	105.3	106.4	108.6	110.0	110.4	110.3	109.0	108.0	109.19
112.5	111.5	108.5	106.3	106.3	107.9	108.2	107.2	109.8	109.4	109.5	108.7	109.52
114.3	112.5	111.0	111.4	110.5	110.2	110.5	111.2	112.4	111.5	112.0	111.6	111.91
112.49	111.19	109.66	108.33	108.01	108.76	109.90	110.67	110.72	110.33	109.64	109.55	110.47

TEMPERATURE OF THE BIFILAR MAGNET.												
43.4	43.5	43.4	43.8	44.0	44.2	44.6	45.0	45.2	45.3	45.6	46.0	44.51
48.0	48.5	48.6	49.0	49.0	49.3	49.6	49.8	50.2	50.2	50.3	50.3	48.20
49.6	49.6	49.7	50.0	50.0	50.1	50.4	50.4	50.6	50.8	50.7	50.6	50.18
47.1	47.0	47.0	46.8	47.0	47.0	47.0	47.0	47.3	47.5	47.2	47.2	47.94
47.0	47.0	47.0	47.0	47.0	46.8	46.7	46.7	46.6	46.5	46.0	46.0	46.89
—	—	—	—	—	—	—	—	—	—	—	—	—
47.5	47.5	47.8	48.0	48.0	48.2	48.2	48.0	48.0	48.0	48.0	48.0	47.24
46.2	46.8	47.0	47.2	47.4	47.8	48.3	48.5	48.7	48.6	48.8	48.8	47.42
46.4	46.0	46.0	45.8	45.8	45.4	45.6	45.4	45.5	46.0	45.9	46.0	46.83
46.5	46.7	46.8	47.0	47.2	47.8	48.0	48.0	48.0	48.4	48.4	48.4	46.87
47.8	48.0	48.0	48.0	48.1	48.2	48.2	48.1	48.1	48.1	48.2	48.2	48.30
48.0	48.0	48.2	48.2	48.4	48.4	48.6	48.7	49.0	49.0	49.1	49.2	48.33
—	—	—	—	—	—	—	—	—	—	—	—	—
47.5	47.3	47.2	47.2	47.0	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.74
45.7	45.5	45.5	45.7	45.6	45.4	45.6	46.0	46.0	46.0	46.3	46.3	46.21
46.0	46.0	46.2	46.4	47.0	47.0	47.0	47.0	47.2	47.5	47.4	47.4	46.46
47.5	47.5	47.7	47.8	48.8	49.1	49.4	49.6	49.7	49.6	49.8	49.7	48.20
47.0	46.9	46.8	47.0	47.2	47.0	47.2	47.2	47.4	47.5	47.6	47.5	47.70
45.0	44.8	44.8	45.0	45.0	45.0	45.0	45.0	45.0	44.9	45.0	45.0	45.56
—	—	—	—	—	—	—	—	—	—	—	—	—
42.5	42.4	42.8	43.0	43.0	43.2	43.2	43.4	43.8	44.0	44.0	44.3	43.33
44.4	44.4	44.2	44.6	45.0	45.0	45.2	45.5	45.8	46.0	46.0	46.0	44.65
44.8	44.8	44.8	45.0	45.4	45.5	45.6	45.7	45.6	45.6	45.6	45.6	45.39
44.2	44.4	44.7	44.9	45.2	46.0	46.0	46.5	46.7	46.9	47.2	47.0	45.27
48.8	48.6	48.8	48.6	49.0	49.0	49.0	49.0	49.0	49.4	49.0	49.0	48.49
46.8	46.7	46.8	47.2	47.5	47.6	47.8	48.0	48.1	48.2	48.0	48.0	47.72
—	—	—	—	—	—	—	—	—	—	—	—	—
47.2	47.3	47.8	48.0	48.0	48.0	48.4	48.8	49.0	49.0	49.0	49.0	47.85
47.5	47.5	47.8	47.8	47.8	48.0	48.1	48.3	48.2	48.4	48.6	48.6	48.09
47.2	47.2	47.0	47.2	47.5	47.5	47.4	47.4	47.4	47.5	48.0	47.8	47.71
44.5	44.3	44.5	44.6	44.8	45.0	45.0	45.4	45.2	45.5	45.5	45.5	45.63
46.40	46.44	46.55	46.70	46.88	46.99	47.13	47.25	47.36	47.47	47.50	47.51	46.98

HORIZONTAL FORCE.													
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.													
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
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	101'4	114'2	110'4	111'8	111'7	111'6	115'4	115'1	110'7	111'5	112'7	106'4
	2	106'5	106'7	106'0	105'0	107'4	106'4	107'4	108'5	109'9	109'1	110'9	109'3
	3	107'7	106'1	107'7	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	106'6	107'0	108'3	108'0	107'9	109'0	108'9	109'4
	5	105'0	109'5	106'9	109'0	107'2	107'4	107'0	108'0	108'2	108'8	109'2	109'8
	6	108'5	107'8	108'1	109'6	109'2	108'6	108'6	108'6	108'5	109'1	109'8	110'3
	7	109'0	109'3	109'2	109'3	109'1	109'3	109'3	109'4	109'7	109'8	110'1	111'0
	8	106'0	108'0	108'2	108'7	110'3	110'0	109'3	109'2	109'6	110'2	110'6	111'2
	9	107'0	106'6	101'5	102'5	103'6	104'7	106'9	108'0	107'4	107'1	110'9	109'0
	10	106'1	107'6	107'5	—	—	—	—	—	—	—	—	—
	11	—	—	—	107'8	—	108'7	109'5	111'0	110'1	109'7	110'7	110'8
	12	109'0	107'8	108'4	108'3	108'2	108'6	108'9	109'3	109'8	110'6	116'0	111'8
	13	109'0	108'4	108'8	109'1	109'3	109'6	110'5	110'0	111'0	111'4	112'1	112'5
	14	110'0	109'6	109'5	109'7	—	—	109'4	109'6	110'0	110'9	111'4	112'1
	15	111'6	111'7	111'3	111'4	112'2	112'6	113'1	113'2	113'3	—	114'8	—
	16	111'0	111'0	110'8	112'1	111'8	111'5	114'0	113'9	114'0	114'4	112'2	114'6
	17	111'3	110'6	110'6	—	—	—	—	—	—	—	—	—
	18	—	—	—	110'7	110'4	110'8	111'2	111'4	112'3	113'1	113'5	113'8
	19	109'0	—	109'6	110'8	109'5	109'4	110'0	110'7	110'8	111'1	111'7	113'2
	20	109'9	109'9	110'1	109'8	110'4	109'7	110'3	110'6	111'6	112'1	113'3	114'0
	21	111'1	111'2	111'6	110'4	110'3	110'4	110'9	111'5	112'2	112'7	112'9	113'8
	22	108'8	109'3	107'2	112'3	105'7	105'5	107'8	106'8	105'8	107'4	108'1	111'2
	23	104'7	119'8	107'1	104'3	108'8	108'1	107'1	106'7	107'4	107'7	107'4	108'5
	24	107'9	108'5	107'9	—	—	—	—	—	—	—	—	—
	25	—	—	—	106'7	108'0	108'4	109'2	110'1	110'0	—	111'1	111'3
	26	107'6	110'0	107'3	109'1	108'7	107'9	108'9	109'2	109'0	108'9	109'9	109'9
	27	107'9	107'7	—	108'0	108'2	108'8	108'9	109'3	109'8	110'2	111'2	111'6
	28	109'0	108'8	108'5	108'8	108'9	109'6	110'0	109'8	110'4	111'0	111'8	111'4
	29	108'3	108'5	108'6	108'8	109'6	101'1	112'5	113'4	112'9	102'1	110'6	110'7
30	105'6	110'8	104'4	103'4	106'0	105'2	105'9	108'1	108'1	108'0	107'6	107'6	
Hourly Means	108'38	109'58	108'29	108'69	108'79	108'79	109'62	109'97	110'01	109'82	111'09	111'00	
TEMPERATURE OF THE BIFILAR MAGNET.													
AUGUST.	1	45'5	45'2	45'0	45'0	45'0	44'8	44'7	44'6	44'5	44'4	44'4	44'4
	2	47'2	47'2	47'1	46'8	46'5	46'4	46'2	46'0	46'0	46'0	45'6	45'2
	3	45'7	46'0	46'2	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	49'6	49'5	49'3	49'2	49'0	48'6	48'4	48'2
	5	50'7	50'5	50'3	50'1	49'6	49'4	49'0	48'8	48'8	48'4	48'0	48'0
	6	48'2	48'2	48'0	48'0	48'0	48'0	47'8	47'8	47'5	47'5	47'3	47'2
	7	48'0	47'5	47'2	47'1	47'1	47'0	46'9	46'7	46'4	46'2	46'0	46'0
	8	46'6	46'4	46'4	46'4	46'6	46'7	46'7	46'6	46'6	46'2	46'2	46'2
	9	47'4	47'5	47'5	47'6	48'0	48'0	48'0	48'0	47'5	47'4	47'4	47'2
	10	49'2	49'2	49'0	—	—	—	—	—	—	—	—	—
	11	—	—	—	47'4	—	48'0	48'0	48'0	48'0	48'0	48'0	47'8
	12	49'6	49'4	49'2	49'2	49'2	49'0	49'0	49'0	49'0	48'9	48'8	48'6
	13	49'0	49'0	49'0	49'0	48'7	48'6	48'4	48'2	47'8	47'6	47'2	47'2
	14	48'6	48'6	48'5	48'5	—	—	48'0	48'0	48'0	48'0	48'0	48'0
	15	46'2	46'0	45'8	45'5	45'2	45'2	45'0	44'8	44'7	—	44'7	—
	16	45'2	45'5	45'2	45'2	45'4	45'3	45'3	45'2	45'2	45'0	45'0	45'0
	17	47'2	47'3	47'2	—	—	—	—	—	—	—	—	—
	18	—	—	—	47'0	47'0	47'0	47'0	47'0	46'8	46'8	46'8	46'8
	19	48'2	—	48'0	48'0	48'0	48'0	47'7	47'7	47'7	47'2	47'2	47'0
	20	49'2	49'1	49'0	48'9	48'4	48'4	48'2	48'0	48'0	48'0	48'0	47'2
	21	48'5	48'5	48'5	48'4	48'0	48'0	48'0	48'0	48'3	48'2	48'2	48'2
	22	48'5	48'2	48'0	48'0	47'8	47'8	47'8	47'8	47'6	47'2	47'0	46'8
	23	47'3	47'2	47'3	47'4	47'0	47'0	47'0	46'6	46'8	46'6	46'2	46'0
	24	47'4	47'2	47'2	—	—	—	—	—	—	—	—	—
	25	—	—	—	48'3	48'2	48'1	48'0	47'7	47'4	—	47'4	46'8
	26	49'5	49'6	49'6	49'6	49'2	49'0	49'0	49'0	48'8	48'6	48'2	48'0
	27	49'6	49'6	—	49'2	49'0	49'0	49'0	49'0	48'5	48'2	48'2	48'2
	28	49'0	49'0	49'0	49'0	49'0	48'8	48'7	48'5	48'2	48'0	47'8	47'6
	29	50'3	50'2	50'0	50'0	49'8	49'6	49'4	49'0	49'0	49'0	49'0	48'4
	30	49'0	49'0	49'0	49'0	49'0	49'0	48'6	48'2	48'2	48'2	48'0	48'0
Hourly Means	48'11	48'04	47'89	47'94	47'89	47'82	47'72	47'59	47'47	47'42	47'19	47'12	

HORIZONTAL FORCE.												
One Scale Division = '000229 parts of the H. F. Change of 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. 106·9	Sc. Div. 106·3	Sc. Div. 107·0	Sc. Div. 104·3	Sc. Div. 105·8	Sc. Div. 107·1	Sc. Div. 105·4	Sc. Div. 104·8	Sc. Div. 106·9	Sc. Div. 104·7	Sc. Div. 104·4	Sc. Div. 103·0	Sc. Div. 108·68
108·0	107·5	105·2	102·3	104·5	103·5	108·9	107·9	109·9	111·4	108·0	106·7	107·37
—	—	—	—	—	—	—	—	—	—	—	—	106·63
109·3	108·1	105·2	103·7	103·8	104·8	105·2	104·6	105·4	106·6	104·7	104·6	107·78
108·1	108·1	108·2	107·3	106·7	106·5	107·6	107·4	108·8	108·2	106·9	107·0	108·65
109·8	108·8	107·8	106·0	106·2	106·9	108·9	109·5	109·6	108·9	109·3	109·2	109·21
110·8	109·6	108·8	107·4	107·0	107·0	109·0	110·1	110·2	109·7	108·6	108·5	109·60
110·3	110·0	109·0	108·1	107·9	109·3	110·1	111·8	111·5	110·8	111·1	109·4	105·90
106·3	107·8	106·2	104·4	102·5	104·9	107·3	107·8	106·8	103·4	104·8	105·2	107·97
—	—	—	—	—	—	—	—	—	—	—	—	108·25
109·1	107·0	105·6	105·1	104·0	106·5	106·9	107·6	107·6	108·3	108·0	108·0	109·56
110·2	108·7	105·9	102·8	104·0	105·6	106·9	105·6	106·8	108·9	107·9	108·2	110·23
111·2	109·2	107·5	106·8	106·9	107·8	108·4	109·5	110·4	110·3	110·1	109·8	112·13
112·0	110·9	109·0	106·9	106·7	108·3	110·1	111·6	112·1	111·9	112·1	111·4	111·67
114·4	113·1	111·7	109·0	108·3	110·1	111·4	112·5	113·1	113·2	112·8	112·1	110·55
113·4	112·3	110·6	109·8	107·6	108·4	109·2	111·3	111·9	111·6	111·3	111·6	110·10
—	—	—	—	—	—	—	—	—	—	—	—	110·73
112·9	111·4	110·0	107·5	107·3	106·9	109·0	110·5	110·5	109·1	109·9	108·4	110·51
113·0	111·7	108·7	108·2	108·3	109·0	108·9	109·5	109·5	110·0	109·8	110·0	108·02
113·7	111·7	109·1	108·0	108·3	109·2	110·0	111·5	111·3	111·5	—	111·0	107·47
113·8	112·6	110·3	107·2	105·2	106·4	108·5	109·8	110·7	110·9	109·8	108·2	108·10
110·5	110·0	105·6	104·8	107·9	108·6	108·3	108·8	106·7	106·5	106·2	112·7	107·98
108·0	106·7	104·6	102·0	104·1	105·7	107·7	109·0	108·0	105·9	107·5	108·6	108·37
—	—	—	—	—	—	—	—	—	—	—	—	108·80
111·3	108·9	107·9	106·7	105·7	105·4	103·5	104·4	107·7	107·8	107·3	108·4	107·79
109·5	107·5	106·3	104·4	104·9	105·4	106·6	108·7	108·8	107·0	108·0	108·1	105·28
110·4	107·8	105·6	104·0	103·7	105·9	108·3	109·0	109·5	109·0	108·6	109·2	108·72
111·0	109·7	107·2	105·7	105·2	105·6	107·0	108·6	109·0	108·0	108·6	107·8	—
112·0	110·4	107·4	102·9	99·2	105·0	105·8	105·8	104·6	104·7	106·5	106·6	—
108·4	104·0	103·6	104·7	104·9	103·6	97·5	105·0	102·8	104·7	102·0	104·9	—
110·55	109·22	107·46	105·76	105·63	106·66	107·55	108·56	108·85	108·57	108·16	108·40	108·72
TEMPERATURE OF THE BIFILAR MAGNET.												
44·5	44·3	44·3	44·7	45·1	45·2	45·9	46·3	46·6	46·8	46·9	47·0	45·21
45·2	45·0	45·0	45·0	45·1	45·0	45·0	45·0	45·0	45·2	45·6	45·8	45·75
—	—	—	—	—	—	—	—	—	—	—	—	49·09
48·3	48·6	49·0	49·0	49·6	49·8	50·1	50·4	50·7	50·9	51·0	50·8	48·67
47·8	47·8	47·8	47·8	47·8	48·0	48·0	48·0	48·2	48·2	48·6	48·5	47·58
47·2	47·2	47·3	47·5	47·2	47·4	47·5	47·8	47·8	48·0	47·7	47·8	46·56
45·8	45·8	46·0	46·3	46·3	46·4	46·5	46·5	46·4	46·4	46·5	46·4	46·61
46·3	46·4	46·4	46·6	46·6	46·6	46·7	47·0	47·0	47·0	47·0	47·3	47·87
47·4	47·3	47·6	47·7	48·0	48·0	48·0	48·2	48·4	48·7	49·0	49·2	48·62
—	—	—	—	—	—	—	—	—	—	—	—	49·00
48·0	47·8	48·0	48·6	48·8	49·0	49·2	49·4	49·6	49·6	49·8	49·8	48·14
48·6	48·6	48·6	48·8	49·0	49·0	49·0	49·2	49·0	49·0	49·2	49·2	47·95
47·2	47·0	47·2	47·6	47·9	48·1	48·2	48·3	48·4	48·6	48·6	48·6	45·05
47·8	48·2	48·4	48·5	48·2	48·0	47·8	47·7	47·2	47·0	47·1	46·8	45·64
44·5	44·3	44·4	44·6	44·4	44·8	45·0	45·0	45·0	45·3	45·2	45·5	—
45·0	45·0	45·2	45·2	45·8	46·0	46·2	46·6	46·8	46·9	47·0	47·2	47·31
—	—	—	—	—	—	—	—	—	—	—	—	47·99
46·8	46·8	47·0	47·5	47·6	47·8	47·8	48·0	48·0	48·2	48·0	48·0	48·11
47·3	47·2	47·5	47·8	48·0	48·2	48·5	48·6	48·8	49·0	49·0	49·2	48·35
47·5	47·3	47·5	47·8	47·6	47·8	47·8	48·0	48·0	48·3	—	48·5	47·47
48·2	48·2	48·2	48·4	48·5	48·5	48·6	48·8	48·8	48·8	48·6	48·0	46·87
46·8	46·8	46·8	47·2	47·3	47·3	47·4	47·5	47·5	47·4	47·5	47·4	—
46·2	46·2	46·6	46·8	46·8	47·0	47·0	47·2	47·0	47·0	47·2	47·4	47·93
—	—	—	—	—	—	—	—	—	—	—	—	49·07
46·8	46·8	47·2	47·5	48·0	48·3	48·6	48·9	49·1	49·0	49·2	49·2	48·63
48·2	48·2	48·5	48·8	49·0	49·2	49·4	49·6	49·6	49·8	49·8	49·6	48·79
48·0	48·0	47·8	47·8	48·0	48·2	48·2	49·0	49·0	49·0	49·0	49·0	49·17
47·8	47·8	48·0	48·0	48·7	49·0	49·3	49·7	50·0	50·0	50·0	50·0	49·48
48·6	48·5	48·5	48·8	48·6	48·8	49·0	49·0	49·0	49·0	49·2	49·3	—
48·2	48·8	49·0	49·4	50·0	50·2	50·7	51·0	51·4	51·8	51·8	52·0	—
47·08	47·07	47·22	47·45	47·61	47·75	47·90	48·11	48·17	48·27	48·34	48·37	47·73

HORIZONTAL FORCE.												
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.												
Mean Göttingen Time. }	0h.	1h.	2.	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.
Aug. 31	105°0	109°1	104°5	—	—	—	—	—	—	—	—	—
1	—	—	—	104°6	107°1	105°8	106°4	106°1	—	107°3	108°5	108°4
2	106°3	108°6	—	104°9	105°0	105°6	105°9	106°4	107°0	107°5	108°1	108°5
3	106°7	107°0	—	107°0	107°1	107°7	108°0	108°6	108°7	109°4	110°5	110°9
4	103°3	105°5	105°3	105°2	105°2	106°7	105°2	105°6	107°1	107°9	105°6	107°9
5	107°1	107°4	107°7	107°8	107°5	107°6	107°9	108°5	108°6	109°5	110°1	109°0
6	108°6	108°5	108°5	108°9	109°5	110°0	109°7	109°2	109°6	109°6	110°0	110°0
7	108°2	110°5	110°0	—	—	—	—	—	—	—	—	—
8	—	—	—	107°0	106°3	107°1	107°9	108°0	108°0	108°6	110°0	109°5
9	106°6	106°3	106°6	106°8	107°1	107°6	109°3	108°8	108°9	108°6	109°0	108°3
10	108°1	108°3	108°2	108°9	109°3	109°7	110°4	111°0	—	111°5	111°6	111°3
11	108°6	108°3	108°3	108°4	108°4	108°9	109°1	109°5	110°0	111°0	111°0	110°8
12	108°9	109°1	108°9	109°4	110°4	110°3	110°7	109°9	—	110°7	110°9	112°0
13	110°2	109°4	109°0	109°8	109°7	110°0	110°2	110°5	110°8	111°1	112°0	112°0
14	106°5	108°9	108°8	—	—	—	—	—	—	—	—	—
15	—	—	—	108°0	107°4	109°4	109°9	108°2	108°5	108°8	109°5	110°2
16	107°9	107°9	107°4	107°4	106°7	106°8	107°5	108°0	108°5	108°8	109°2	108°2
17	110°0	105°5	105°1	105°2	106°2	106°9	107°8	108°1	108°4	108°8	108°9	108°2
18	108°6	108°7	108°6	108°5	108°3	109°1	109°1	109°0	109°4	109°9	110°1	111°0
19	106°6	104°7	110°7	108°0	106°6	107°0	107°1	107°8	107°7	107°1	107°5	108°7
20	102°0	105°4	108°1	107°1	104°2	106°6	104°7	105°8	106°3	109°7	107°6	106°1
21	107°4	108°5	109°0	—	—	—	—	—	—	—	—	—
22	—	—	—	108°5	109°4	109°5	109°0	108°3	108°6	109°2	110°0	108°7
23	106°7	109°7	106°4	108°3	112°1	108°9	107°1	106°7	107°4	109°1	110°3	110°3
24	107°4	108°1	113°7	110°0	107°3	106°7	107°8	108°7	108°5	109°1	110°1	109°3
25	103°4	105°6	106°3	107°5	107°9	108°3	106°7	106°3	106°1	106°4	108°3	105°8
26	104°0	104°8	102°2	102°0	106°9	107°3	103°0	107°5	108°4	102°5	103°2	100°8
27	99°7	100°8	102°1	105°5	107°0	104°2	103°6	102°7	103°5	104°3	110°0	103°9
28	104°3	102°7	102°9	—	—	—	—	—	—	—	—	—
29	—	—	—	100°6	102°0	101°8	102°1	106°0	105°0	104°4	101°3	99°0
30	103°6	105°1	106°5	102°1	105°0	104°5	104°0	103°5	103°0	102°8	104°2	103°1
Hourly Means	106°38	107°09	107°28	106°82	107°29	107°46	107°31	107°64	107°73	108°21	108°75	108°15
TEMPERATURE OF THE BIFILAR MAGNET.												
	°	°	°	°	°	°	°	°	°	°	°	°
Aug. 31	52°0	52°0	51°8	—	—	—	—	—	—	—	—	—
1	—	—	—	51°8	51°4	51°4	50°8	50°7	—	50°0	50°0	49°8
2	52°2	52°2	—	52°0	52°0	51°8	51°6	51°2	51°2	51°0	50°5	50°5
3	52°2	52°0	—	52°0	51°8	51°5	51°0	51°0	50°4	50°4	50°0	49°8
4	52°4	52°8	52°6	52°5	52°2	52°0	51°8	51°6	51°6	51°0	51°0	51°0
5	50°6	50°4	50°2	50°0	49°8	49°8	49°2	49°0	49°0	48°6	48°4	48°2
6	50°2	50°4	50°4	50°2	50°0	50°0	50°0	50°0	50°0	49°8	49°2	49°0
7	50°5	50°2	50°0	—	—	—	—	—	—	—	—	—
8	—	—	—	51°8	52°0	52°0	52°0	52°0	52°2	52°2	52°1	52°0
9	54°0	53°5	53°2	53°0	52°8	52°6	52°4	52°0	51°2	51°2	50°7	50°4
10	50°7	50°7	50°6	50°3	49°8	49°6	49°4	49°0	—	48°2	48°2	48°1
11	52°0	52°2	52°0	52°0	52°0	52°0	51°8	51°5	51°1	51°0	50°7	50°5
12	51°6	51°4	51°2	51°0	50°6	50°0	50°0	49°8	—	49°0	48°6	48°4
13	50°7	50°6	50°5	50°5	50°2	50°0	50°0	50°0	50°0	49°8	49°8	49°6
14	50°4	50°4	50°4	—	—	—	—	—	—	—	—	—
15	—	—	—	50°0	50°0	50°0	49°9	49°8	49°6	49°6	49°4	49°4
16	51°6	51°7	51°8	51°8	51°6	51°8	51°8	52°0	51°8	52°0	52°0	51°8
17	52°2	52°1	52°1	52°0	51°8	51°8	51°6	51°2	51°0	51°0	50°8	50°6
18	50°3	50°4	50°2	50°1	50°1	50°0	49°8	49°8	49°4	49°4	49°4	49°8
19	51°8	52°2	51°6	51°8	51°8	52°0	52°0	52°1	52°0	51°6	51°8	51°5
20	51°2	51°2	51°0	51°0	50°8	51°0	50°5	50°5	50°3	50°1	49°7	49°6
21	51°0	51°0	51°0	—	—	—	—	—	—	—	—	—
22	—	—	—	51°0	51°0	51°0	50°8	50°8	50°8	51°0	50°8	50°0
23	51°6	51°4	51°2	51°2	51°0	51°0	51°0	50°8	50°5	50°2	50°0	49°8
24	51°4	51°4	51°3	51°3	51°0	51°0	51°0	51°0	51°0	50°8	50°5	50°5
25	53°0	53°0	53°0	53°0	53°0	53°0	52°6	52°6	52°5	52°4	52°2	52°1
26	53°8	53°5	53°5	53°5	53°0	52°5	53°0	52°5	52°3	52°3	52°3	52°3
27	54°8	54°8	55°0	54°8	54°8	54°2	54°0	53°6	53°0	53°0	52°8	52°8
28	55°0	55°0	55°0	—	—	—	—	—	—	—	—	—
29	—	—	—	55°0	55°5	55°5	55°5	55°5	55°6	55°5	55°5	55°4
30	54°2	54°2	54°0	54°0	53°8	53°7	53°7	53°7	53°5	53°4	53°2	53°0
Hourly Means	51°98	51°95	51°82	51°83	51°68	51°58	51°43	51°30	51°30	50°93	50°75	50°61

HORIZONTAL FORCE.												
One Scale Division = '000229 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.
106.7	106.0	104.1	102.9	103.3	104.7	105.0	106.9	106.2	107.0	105.5	106.0	105.96
108.8	108.0	105.3	105.1	103.6	105.8	106.1	105.9	106.9	107.3	106.3	106.1	106.47
110.7	110.3	109.6	108.0	108.7	106.2	105.3	106.5	107.4	107.7	104.5	104.8	107.88
108.1	108.1	105.7	104.8	103.4	103.8	106.0	106.5	106.1	105.9	105.9	107.0	105.90
107.9	106.0	103.9	104.0	104.7	106.5	108.2	108.8	108.8	109.0	108.9	108.2	107.65
109.3	109.0	107.9	107.6	107.8	108.4	107.3	109.5	108.5	109.0	109.0	108.5	108.91
110.4	109.7	107.2	103.8	104.1	104.2	104.7	102.7	102.7	103.5	106.4	107.2	106.99
107.8	104.6	105.2	103.5	103.3	105.8	107.8	107.4	107.0	107.6	108.0	108.7	107.10
110.7	108.9	105.7	106.1	106.6	107.3	108.1	109.3	109.3	109.3	109.2	109.0	108.99
109.1	107.3	105.6	104.8	105.2	106.9	108.3	109.4	110.0	109.4	109.1	109.0	108.60
110.9	109.0	107.0	106.3	105.9	107.1	109.4	110.4	110.9	111.6	110.9	110.4	109.60
112.7	112.0	109.9	108.3	109.5	109.6	111.2	110.4	111.6	111.7	108.2	106.8	110.27
109.3	107.8	106.3	105.0	104.3	105.6	105.5	105.3	106.4	106.2	106.7	107.6	107.50
106.0	102.2	102.7	104.5	106.4	106.5	106.6	107.8	107.6	106.5	107.8	107.8	106.94
108.0	107.2	105.5	103.1	103.4	105.8	107.2	108.0	108.6	107.1	108.2	108.3	107.06
111.0	109.7	108.1	107.4	107.5	109.0	100.4	110.0	108.7	109.3	108.9	108.4	109.11
107.8	106.3	104.9	102.2	103.7	107.5	107.5	106.6	105.5	107.5	109.1	100.1	106.59
104.7	104.0	103.6	104.2	105.4	104.3	106.3	104.2	107.7	105.3	105.6	110.3	105.80
107.5	106.0	105.1	105.3	103.4	104.7	106.7	109.1	105.9	104.0	108.9	106.4	107.46
109.1	105.4	103.7	102.2	103.0	104.8	106.1	105.6	106.9	108.2	108.5	107.4	107.24
106.9	105.8	104.2	103.0	103.2	104.5	106.6	107.5	107.4	108.2	108.0	105.7	107.40
105.0	101.0	101.6	100.7	100.0	102.5	102.9	105.6	104.4	104.3	106.9	109.3	105.11
100.2	101.4	100.5	102.1	102.5	103.1	104.6	100.6	100.2	98.6	102.5	99.9	102.86
100.6	99.0	100.0	98.8	103.0	104.0	106.0	106.7	105.9	104.9	105.0	104.2	103.52
95.0	96.1	98.3	97.0	99.0	97.9	98.1	98.6	103.0	103.6	100.6	102.9	100.93
103.3	100.5	91.5	95.1	96.2	96.8	99.3	117.7	102.4	97.7	91.3	97.4	101.52
107.21	105.81	104.35	103.68	104.11	105.12	106.20	107.16	106.76	106.55	106.53	106.43	106.66

TEMPERATURE OF THE BIFILAR MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
49.6	49.7	50.0	50.3	50.5	50.8	51.0	51.4	51.4	52.0	52.0	52.0	50.97
50.4	50.4	50.4	50.4	50.8	51.2	52.0	52.0	52.2	52.2	52.2	52.2	51.42
50.0	50.0	50.0	50.0	50.2	50.5	50.8	51.2	51.5	51.4	51.8	52.0	50.93
50.8	51.0	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.0	50.8	51.48
48.0	48.2	48.2	48.4	49.0	49.0	49.5	49.8	50.0	50.2	50.2	50.2	49.33
49.0	49.0	49.0	50.0	50.0	50.2	50.5	50.6	50.8	51.0	50.8	50.8	50.04
52.0	52.2	52.5	52.8	53.0	53.4	54.0	54.0	54.0	54.2	54.0	53.8	52.45
50.3	50.2	50.2	50.4	50.4	50.7	50.8	50.9	51.0	51.0	50.9	50.8	51.44
48.1	48.2	48.4	48.8	49.3	49.6	50.0	50.7	51.0	51.4	51.9	52.1	49.74
50.4	50.5	50.4	51.0	51.2	51.2	51.5	51.6	51.8	52.0	51.9	51.8	51.42
48.4	48.4	48.8	49.2	49.6	49.8	50.0	50.3	50.6	50.7	50.8	50.8	49.96
49.6	49.7	49.7	49.8	49.7	49.8	50.0	50.0	50.4	50.4	50.6	50.7	50.09
49.5	49.5	49.8	50.2	50.6	50.5	50.7	51.0	51.2	51.2	51.2	51.4	50.24
51.8	52.0	52.0	52.2	52.5	52.4	52.2	52.3	52.2	52.2	52.4	52.2	52.00
50.6	50.4	50.6	50.6	50.5	50.2	50.4	50.4	50.7	50.7	50.4	50.0	50.99
50.0	50.0	50.6	50.7	50.8	51.0	50.7	51.2	51.4	51.5	51.5	51.7	50.41
51.4	51.2	51.2	51.2	51.0	51.0	51.2	51.4	51.5	52.0	51.5	51.4	51.59
49.5	49.4	49.5	49.8	50.0	50.0	50.5	51.0	51.0	51.0	51.0	51.0	50.44
50.0	50.2	50.3	50.5	50.8	51.0	51.0	51.5	51.5	51.5	51.5	51.5	50.90
49.7	49.8	49.8	50.0	50.3	50.6	50.8	51.0	51.1	51.2	51.3	51.3	50.69
50.5	50.8	51.0	51.5	51.8	52.0	52.5	53.0	53.0	53.2	53.4	53.5	51.58
52.2	52.0	52.0	52.2	52.5	52.8	53.4	53.5	53.8	54.0	54.0	54.0	52.87
52.0	52.0	52.0	52.2	52.7	53.0	53.3	53.5	53.7	53.8	54.4	54.6	52.99
52.4	52.5	52.8	53.0	53.5	53.4	54.0	54.5	54.8	55.0	55.0	55.0	53.90
55.2	55.2	55.2	55.0	55.0	55.0	55.0	55.0	55.0	54.8	54.5	54.5	55.14
53.0	53.2	53.0	53.0	53.1	53.0	52.8	52.7	52.7	52.8	52.8	52.8	53.30
50.55	50.60	50.71	50.94	51.15	51.28	51.53	51.76	51.90	52.02	52.04	52.03	51.40

HORIZONTAL FORCE.													
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah° = '000234.													
Mean Götting- gen Time. }	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
OCTOBER.	1	90·5	92·5	90·4	93·0	99·9	92·9	103·7	95·0	108·3	99·9	94·4	98·5
	2	108·1	106·3	106·3	106·3	106·2	103·3	107·5	120·0	105·5	102·6	102·0	107·3
	3	106·8	105·2	104·9	104·4	105·8	106·7	107·6	108·0	108·7	106·1	107·9	107·3
	4	107·5	107·2	107·1	107·0	—	107·5	107·7	107·7	106·9	107·3	106·6	105·6
	5	107·5	107·7	107·3	—	—	—	—	—	—	—	—	—
	6	—	—	—	107·8	108·4	107·7	108·3	108·8	109·9	109·5	108·5	108·0
	7	105·5	109·0	107·2	105·0	105·7	—	106·3	106·6	105·9	105·7	104·8	103·7
	8	104·1	105·6	105·1	104·5	103·3	103·6	103·9	104·1	104·7	104·8	105·0	104·1
	9	102·3	106·1	104·5	104·6	103·6	103·7	104·1	105·2	105·3	105·4	105·3	104·9
	10	105·0	105·0	106·5	106·5	106·3	107·5	106·5	106·5	106·4	107·2	107·4	106·3
	11	106·6	106·8	106·7	107·2	107·7	108·0	107·5	107·2	107·8	107·9	107·3	105·9
	12	106·1	105·9	105·7	—	—	—	—	—	—	—	—	—
	13	—	—	—	107·6	107·9	108·2	108·9	109·5	110·6	111·3	111·1	109·0
	14	108·7	108·2	107·5	107·3	107·5	108·3	108·7	108·8	109·4	109·8	109·8	107·6
	15	106·0	106·3	105·3	105·7	105·7	—	106·8	106·9	107·7	108·4	109·2	107·0
	16	104·1	103·9	104·3	104·8	104·7	105·3	105·5	106·0	106·8	107·0	107·3	105·0
	17	105·1	104·7	105·6	106·5	108·8	109·0	108·5	107·4	107·3	107·5	107·7	107·7
	18	105·5	105·7	105·8	105·8	112·0	108·5	107·2	108·2	108·4	108·7	108·5	107·3
	19	106·4	105·6	105·5	—	—	—	—	—	—	—	—	—
	20	—	—	—	104·5	106·2	106·6	107·2	104·2	104·5	103·1	107·9	104·2
	21	93·4	93·6	90·4	98·6	95·0	94·3	96·2	98·4	100·1	99·7	97·8	96·4
	22	101·0	102·7	102·1	100·7	100·6	100·7	99·7	100·5	102·5	103·0	100·1	99·3
	23	99·9	101·1	109·8	108·8	102·3	102·2	101·5	101·4	101·9	103·2	101·9	98·3
	24	101·3	100·2	101·6	101·2	101·2	100·8	101·7	102·5	103·1	103·4	101·8	99·0
	25	107·5	100·3	102·0	100·7	—	103·0	104·6	104·7	111·1	110·5	106·5	101·9
	26	101·3	104·0	102·2	—	—	—	—	—	—	—	—	—
	27	—	—	—	109·0	109·1	108·8	109·0	109·8	108·5	107·4	102·2	103·1
	28	108·5	105·6	105·1	105·2	105·4	105·9	106·1	106·2	105·5	105·6	105·6	103·4
	29	104·4	104·7	103·5	105·4	105·3	105·0	102·3	104·2	105·1	105·2	106·0	104·8
	30	106·0	106·2	106·5	106·9	108·1	107·5	108·0	107·9	107·6	110·2	107·4	107·0
	31	108·3	108·5	109·3	107·0	107·4	108·0	108·9	100·2	—	109·1	109·0	108·0
Hourly Means	104·42	104·39	104·37	104·88	105·36	104·92	105·70	106·14	106·52	106·27	105·52	104·46	
TEMPERATURE OF THE BIFILAR MAGNET.													
OCTOBER.	1	53·0	53·0	53·0	53·0	53·0	53·2	53·0	52·8	52·8	52·4	52·0	51·8
	2	51·0	50·8	50·5	50·5	50·4	50·4	50·2	50·0	50·0	49·9	49·7	49·6
	3	50·8	50·7	50·7	50·6	50·5	50·2	50·0	50·0	50·0	49·5	49·5	49·2
	4	52·5	52·5	52·5	52·5	—	52·0	52·0	52·0	51·8	51·5	51·3	51·1
	5	51·5	51·2	51·0	—	—	—	—	—	—	—	—	—
	6	—	—	—	51·7	51·6	51·6	51·5	51·3	51·2	51·0	51·0	51·0
	7	55·7	55·9	56·0	56·0	55·9	—	55·8	55·8	55·6	55·5	55·5	55·2
	8	58·2	58·0	58·0	58·0	57·8	57·5	57·5	57·0	56·9	56·6	56·4	56·3
	9	58·0	58·0	58·0	57·6	57·5	57·4	57·2	57·0	56·5	56·4	56·2	56·0
	10	57·2	56·9	56·7	56·5	56·2	56·0	55·8	55·6	55·2	55·0	54·6	54·5
	11	55·2	55·0	54·8	55·0	54·8	54·5	54·4	54·2	54·2	54·2	54·0	53·9
	12	56·2	55·9	55·7	—	—	—	—	—	—	—	—	—
	13	—	—	—	54·0	54·0	53·6	53·5	53·2	53·0	52·8	52·7	52·6
	14	55·2	55·2	55·2	55·0	54·8	54·8	54·5	54·3	54·4	54·2	53·8	53·7
	15	56·3	56·2	56·2	55·6	56·0	—	55·3	55·2	55·0	54·8	54·5	54·5
	16	57·7	57·7	57·6	57·4	58·2	58·0	56·8	56·6	56·4	56·2	56·2	55·8
	17	56·6	56·5	56·2	56·0	55·8	55·6	55·2	55·0	54·7	54·3	54·2	54·0
	18	55·3	55·2	55·0	54·8	54·8	54·6	54·3	54·2	54·0	53·6	53·5	53·2
	19	58·4	58·6	58·7	—	—	—	—	—	—	—	—	—
	20	—	—	—	59·5	59·3	59·0	58·8	58·4	58·3	58·2	57·7	57·7
	21	57·3	57·3	57·3	57·0	57·0	56·5	56·2	56·0	55·8	55·7	55·6	55·5
	22	59·3	59·4	59·4	59·6	59·5	59·5	59·6	59·5	59·2	59·2	59·2	59·2
	23	59·6	59·4	59·4	59·2	59·0	58·8	58·7	58·7	58·5	58·2	58·0	58·0
	24	60·4	60·2	59·8	59·4	59·0	59·0	58·6	58·2	58·2	57·8	57·6	57·3
	25	56·5	56·4	56·2	56·0	—	55·5	55·0	55·0	54·7	54·2	54·2	54·0
	26	51·8	51·5	51·2	—	—	—	—	—	—	—	—	—
	27	—	—	—	51·2	51·2	51·2	51·2	51·2	51·2	51·2	51·0	51·0
	28	55·7	55·7	55·7	55·6	55·5	55·0	55·0	54·8	54·5	54·3	54·3	54·5
	29	58·5	58·3	57·9	57·6	57·0	56·5	56·5	56·2	55·8	55·5	55·2	55·0
	30	55·5	55·2	55·2	55·0	54·7	54·4	54·1	53·8	53·4	53·0	53·0	53·0
	31	55·9	55·8	55·6	55·3	55·0	54·6	54·2	54·0	—	53·5	53·5	53·5
Hourly Means	55·90	55·80	55·69	55·54	55·54	55·28	54·99	54·81	54·67	54·40	54·24	54·12	

HORIZONTAL FORCE.												
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah'. = '000234.												
12h.	13h.	14h.	15h.	16h.	17h.	18.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 98·8	Sc. Div. 98·3	Sc. Div. 99·0	Sc. Div. 100·8	Sc. Div. 103·3	Sc. Div. 105·3	Sc. Div. 109·2	Sc. Div. 109·4	Sc. Div. 109·2	Sc. Div. 107·5	Sc. Div. 106·2	Sc. Div. 107·5	Sc. Div. 100·56
106·9	106·5	104·8	104·7	106·6	109·7	111·6	111·5	108·1	106·8	107·9	107·7	107·21
105·5	104·3	104·2	104·7	105·6	106·9	105·7	107·2	106·9	106·5	106·6	107·1	106·27
103·7	103·4	103·0	104·0	106·5	107·0	107·3	106·0	104·7	106·9	107·7	106·9	106·31
—	—	—	—	—	—	—	—	—	—	—	—	107·20
105·8	105·0	104·3	104·5	106·0	106·6	107·5	109·1	106·5	105·7	106·5	106·1	107·5
101·2	100·3	99·6	99·1	102·6	102·9	102·3	105·7	105·5	104·7	103·7	102·7	104·16
102·3	101·7	100·3	101·0	101·7	104·8	—	106·8	106·1	105·2	103·2	101·7	103·80
102·7	100·1	97·4	98·0	99·0	101·1	102·7	104·6	105·3	105·2	105·3	105·2	103·40
103·4	101·0	101·4	101·5	102·5	104·5	105·7	106·5	106·9	106·3	106·5	107·0	105·42
103·2	99·9	99·6	101·1	103·8	106·3	107·5	107·2	107·0	106·3	106·6	106·3	105·89
—	—	—	—	—	—	—	—	—	—	—	—	107·78
105·3	101·4	101·7	103·8	106·9	109·5	110·3	109·9	109·6	108·7	109·0	108·9	106·49
108·7	102·7	101·0	101·8	103·5	104·8	106·8	105·0	106·0	103·2	105·2	105·5	105·68
104·2	101·8	101·5	103·5	104·8	106·4	105·4	106·6	106·1	105·0	105·7	104·8	105·02
101·9	100·1	100·0	101·3	104·4	106·3	108·3	107·5	106·9	106·5	106·4	106·3	106·84
106·2	109·4	103·7	103·7	104·8	105·3	106·6	107·8	108·2	109·0	108·0	105·7	107·24
106·0	105·3	104·0	104·5	107·3	108·7	108·7	108·3	108·3	107·6	106·8	106·8	101·29
—	—	—	—	—	—	—	—	—	—	—	—	98·15
102·6	101·0	98·2	92·6	97·4	93·0	103·9	104·2	98·2	96·8	86·7	90·5	99·98
98·6	98·8	98·5	97·3	99·3	100·7	100·4	102·8	100·5	101·4	100·3	103·2	100·57
97·8	96·6	96·3	95·8	97·6	99·3	100·3	101·6	101·3	100·7	100·1	99·3	100·80
94·3	92·5	91·2	93·9	97·3	99·7	102·1	102·9	102·9	102·2	101·2	101·2	104·67
97·1	97·0	97·2	100·3	101·8	104·5	103·7	105·2	102·8	100·3	96·1	95·6	105·68
99·7	99·6	102·5	102·2	106·2	104·0	105·1	—	105·2	102·0	105·0	118·6	104·76
—	—	—	—	—	—	—	—	—	—	—	—	105·68
99·6	102·2	102·1	103·2	105·9	107·4	107·0	107·8	108·5	106·4	106·4	105·6	104·76
101·7	101·9	100·2	102·4	104·5	103·8	107·9	105·7	104·0	104·1	105·0	105·0	104·42
101·3	101·6	100·4	100·9	104·4	107·1	107·3	107·5	108·0	104·4	102·9	104·5	107·31
105·7	104·2	103·8	102·7	105·3	108·0	108·7	110·4	111·0	108·6	108·9	109·0	106·97
105·5	102·6	102·0	103·1	105·2	105·8	107·1	106·7	107·3	107·2	107·0	107·3	—
102·58	101·45	100·66	101·20	103·48	104·79	106·12	106·68	105·96	105·00	104·47	105·03	104·59

TEMPERATURE OF THE BIFILAR MAGNET.												
51·5	51·2	51·0	51·0	51·0	51·0	51·0	51·0	51·0	51·2	51·0	51·0	51·91
49·5	49·5	49·5	49·6	49·8	50·0	50·2	50·4	50·5	50·7	50·9	50·8	50·18
49·2	49·3	49·6	50·2	50·2	50·2	51·5	52·0	52·0	52·2	52·4	52·5	50·54
51·0	51·0	51·0	51·2	51·5	51·6	51·6	51·8	52·0	51·8	51·5	51·5	51·70
—	—	—	—	—	—	—	—	—	—	—	—	52·43
51·2	51·2	51·8	52·5	53·2	53·4	54·0	54·4	54·8	55·2	55·5	55·6	56·27
55·3	55·3	55·5	55·7	56·0	56·8	57·2	57·5	57·6	58·0	58·2	58·2	57·21
56·4	56·2	56·2	56·5	56·8	57·0	—	57·0	57·5	58·0	58·0	58·0	57·05
55·8	56·0	56·3	56·6	57·2	57·3	57·4	57·4	57·5	57·3	57·3	57·2	55·32
54·2	54·2	54·2	54·6	54·5	54·8	55·0	55·2	55·2	55·2	55·2	55·2	54·89
54·0	54·0	54·0	54·5	54·8	55·2	55·6	56·0	56·2	56·3	56·3	56·2	53·99
—	—	—	—	—	—	—	—	—	—	—	—	54·88
52·7	52·7	52·9	53·2	53·5	54·0	54·2	54·8	55·0	55·2	55·2	55·2	56·15
53·6	53·8	54·0	54·2	54·5	54·8	55·3	55·8	56·2	56·4	56·7	56·8	56·66
54·8	55·0	55·5	55·8	56·5	57·2	57·5	57·7	57·9	58·0	58·0	57·9	54·90
55·8	55·7	55·6	55·8	55·8	56·2	56·2	56·5	56·8	57·0	57·0	56·8	54·96
53·7	53·6	53·8	53·8	53·8	54·3	54·5	54·8	55·0	55·3	55·5	55·5	57·95
53·3	53·2	53·6	54·0	54·5	55·2	55·7	56·4	57·0	57·5	57·9	58·2	56·78
—	—	—	—	—	—	—	—	—	—	—	—	59·88
57·5	57·5	57·5	57·4	57·2	57·2	57·2	57·2	57·4	57·4	57·3	57·4	59·33
55·5	55·5	55·5	55·8	56·2	56·8	57·4	57·8	58·3	58·7	59·0	59·2	57·70
59·3	59·3	59·4	59·5	59·5	59·5	59·6	59·6	59·6	59·8	59·8	59·6	54·05
58·2	58·7	59·0	59·5	59·9	60·3	60·4	60·4	60·5	60·5	60·5	60·6	52·50
56·8	56·8	56·5	56·5	56·6	56·6	56·5	56·5	56·5	56·6	56·7	56·6	56·15
53·8	53·5	53·3	53·2	53·0	53·0	52·8	—	52·5	52·4	52·0	52·0	55·97
—	—	—	—	—	—	—	—	—	—	—	—	54·37
51·3	51·5	52·0	52·5	53·2	53·7	54·2	54·7	55·2	55·4	55·6	55·7	55·06
54·7	55·3	55·7	56·5	57·0	57·2	58·0	58·2	58·2	58·7	58·8	58·6	—
55·0	55·0	55·0	54·8	55·0	55·0	55·2	55·1	55·5	55·8	56·0	55·8	—
52·8	53·0	53·2	53·7	54·1	54·5	54·7	55·1	55·6	55·8	56·0	56·0	—
54·0	54·2	54·4	54·8	55·0	55·2	55·5	56·0	56·2	56·6	56·8	56·8	—
54·11	54·16	54·30	54·57	54·83	55·11	55·32	55·74	55·84	56·04	56·12	56·11	55·13

HORIZONTAL FORCE.													
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.													
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
NOVEMBER.	1	Sc. Div. 108'2	Sc. Div. 108'3	Sc. Div. 108'9	Sc. Div. 109'7	Sc. Div. 109'0	Sc. Div. 108'7	Sc. Div. 108'4	Sc. Div. 106'9	Sc. Div. —	Sc. Div. —	Sc. Div. 109'9	Sc. Div. 106'5
	2	106'4	106'9	107'3	—	—	—	—	—	—	—	—	—
	3	—	—	—	107'0	107'1	107'5	107'2	106'5	106'5	106'4	105'0	104'7
	4	105'5	106'4	109'5	105'0	106'9	107'2	104'1	104'7	104'9	105'5	105'7	104'5
	5	104'8	104'7	105'5	105'6	106'0	106'5	106'5	107'0	106'7	107'8	107'6	106'3
	6	107'1	106'9	107'5	107'2	107'0	106'7	106'5	108'4	—	109'3	109'6	108'8
	7	106'9	107'8	107'5	107'0	107'1	107'3	107'3	107'9	—	109'4	109'0	107'4
	8	108'5	108'4	109'4	111'9	110'2	110'1	110'1	109'8	108'1	109'2	109'3	108'2
	9	109'2	108'8	109'0	—	—	—	—	—	—	—	—	—
	10	—	—	—	111'6	110'7	110'1	110'4	111'1	111'9	112'5	111'6	109'7
	11	107'7	102'8	105'0	103'0	107'5	109'5	109'4	107'5	—	107'7	105'2	104'9
	12	104'1	104'0	103'1	103'2	109'0	106'8	101'7	102'2	102'6	103'0	101'8	101'0
	13	102'1	101'4	100'5	101'0	101'0	101'6	102'9	103'1	102'6	101'7	103'2	101'9
	14	105'5	106'5	106'4	106'1	104'2	104'1	104'9	104'9	105'0	104'8	104'7	103'9
	15	106'8	107'1	106'8	108'0	—	106'4	107'0	107'1	107'9	108'2	108'5	106'6
	16	99'7	99'8	100'5	—	—	—	—	—	—	—	—	—
	17	—	—	—	104'3	—	103'4	102'3	102'8	101'2	99'4	101'0	100'3
	18	107'3	104'7	106'6	105'8	105'5	105'4	105'8	104'8	103'3	103'5	101'9	103'6
	19	105'5	102'0	102'9	104'1	103'5	103'5	103'1	102'7	103'6	102'9	102'0	101'2
	20	106'3	104'1	105'0	105'2	105'0	105'8	105'9	105'9	105'8	105'9	105'7	104'8
	21	105'1	105'0	105'6	108'5	—	107'2	105'2	105'1	105'0	105'0	104'3	102'9
	22	101'1	103'0	106'3	105'1	109'7	106'5	107'7	98'1	—	99'8	96'5	89'6
	23	103'5	102'2	103'6	—	—	—	—	—	—	—	—	—
	24	—	—	—	101'6	102'8	103'9	104'6	105'1	106'0	106'5	104'9	—
	25	107'4	105'4	103'7	104'5	—	105'3	104'7	104'4	104'5	104'3	104'0	103'2
	26	103'2	104'1	102'8	101'7	102'3	102'8	103'1	103'5	103'9	104'4	104'8	103'1
	27	103'4	103'4	101'8	101'4	101'8	102'1	102'7	103'3	104'1	104'5	104'4	103'5
	28	102'3	102'0	95'2	97'6	100'2	103'6	106'8	103'7	103'1	103'5	103'5	101'9
	29	106'5	106'5	106'4	108'0	108'9	106'9	106'9	107'3	107'4	108'3	108'0	107'1
Hourly Means	105'40	104'89	105'07	105'36	106'21	105'95	105'80	105'35	105'20	105'56	105'28	103'98	
TEMPERATURE OF THE BIFILAR MAGNET.													
NOVEMBER.	1	56°6	56°5	56°5	56°4	56°2	56°0	55°7	55°3	—	—	54°4	54°2
	2	56°8	57°0	56°8	—	—	—	—	—	—	—	—	—
	3	—	—	—	57°0	57°0	56°8	56°5	56°4	56°2	56°0	55°8	55°8
	4	57°0	57°0	56°8	56°6	56°5	56°0	56°0	56°0	55°7	55°7	55°6	55°6
	5	58°0	58°0	57°6	57°5	57°2	56°7	56°3	56°0	55°6	55°0	54°5	54°2
	6	54°6	54°5	54°3	54°2	54°0	53°5	53°5	53°4	—	53°0	52°8	53°0
	7	56°0	56°0	56°0	55°8	55°5	55°0	55°0	55°0	—	54°9	54°7	54°6
	8	54°8	54°2	54°0	54°0	53°8	53°5	53°3	53°2	53°0	52°6	52°4	52°4
	9	54°2	54°1	53°9	—	—	—	—	—	—	—	—	—
	10	—	—	—	53°0	53°4	53°2	53°0	52°6	52°6	52°3	52°3	52°3
	11	57°0	57°0	57°0	57°0	57°1	56°7	56°3	56°0	—	55°2	55°2	55°0
	12	60°9	61°1	61°2	61°2	61°2	61°0	60°8	60°8	60°5	60°5	60°5	60°7
	13	63°1	62°9	62°6	62°3	62°0	62°0	61°2	60°0	59°5	59°6	59°6	59°6
	14	60°0	59°8	59°8	59°7	59°5	59°3	59°2	58°9	58°6	58°4	58°2	58°0
	15	57°8	57°8	57°7	57°5	—	56°8	56°8	56°4	56°0	55°8	55°7	55°5
	16	55°0	55°0	55°0	—	—	—	—	—	—	—	—	—
	17	—	—	—	54°8	—	54°7	54°6	54°6	54°4	54°4	54°4	54°2
	18	55°3	55°3	55°3	55°3	55°2	55°2	55°2	55°0	55°0	55°0	55°0	55°0
	19	57°0	57°0	57°0	56°8	56°5	56°4	56°2	56°2	56°1	55°9	55°7	55°7
	20	57°2	57°0	57°0	56°8	56°6	56°4	56°2	55°8	55°4	55°0	54°8	54°4
	21	56°5	56°5	56°5	56°4	—	56°2	56°0	55°8	55°5	55°5	55°5	55°4
	22	56°0	56°0	55°8	55°6	55°5	55°2	55°2	55°2	—	55°3	55°2	55°3
	23	56°6	56°5	56°7	—	—	—	—	—	—	—	—	—
	24	—	—	—	56°6	56°4	56°2	56°0	55°8	55°5	55°3	55°2	—
	25	59°0	59°0	58°8	58°8	—	58°6	58°4	58°3	58°2	58°0	57°8	58°0
	26	61°2	61°0	61°0	60°6	60°8	60°7	60°4	60°3	59°8	59°6	59°4	59°5
	27	64°4	64°3	64°3	64°2	63°8	63°6	63°4	63°2	63°0	62°8	62°5	62°7
	28	62°2	62°0	61°8	61°5	61°2	61°0	60°5	60°2	60°2	60°0	59°7	59°5
	29	58°0	57°2	57°0	56°6	56°4	56°0	55°4	55°1	54°5	54°0	53°8	53°6
Hourly Means	57°81	57°71	57°62	57°45	57°42	57°07	56°84	56°62	56°76	56°24	56°03	56°05	

HORIZONTAL FORCE.												
One Scale Division = '000229 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. 106°0	Sc. Div. 104°3	Sc. Div. 103°0	Sc. Div. 102°1	Sc. Div. 104°7	Sc. Div. 106°0	Sc. Div. 108°7	Sc. Div. 109°0	Sc. Div. 106°7	Sc. Div. 107°0	Sc. Div. 113°5	Sc. Div. 107°1	Sc. Div. 107°39
—	—	—	—	—	—	—	—	—	—	—	—	—
102°9	102°1	102°5	104°1	105°3	105°3	103°1	101°9	104°4	104°5	105°0	106°0	105°23
101°1	98°8	101°1	103°8	103°5	104°4	105°1	104°9	104°9	104°5	104°9	104°7	104°65
105°9	105°3	104°2	103°2	106°1	107°0	108°3	110°6	109°5	110°0	108°8	108°4	106°76
106°9	105°0	104°1	103°9	106°2	108°0	108°2	109°8	108°2	107°5	106°6	106°7	107°22
104°7	103°5	—	103°7	105°6	106°7	107°6	108°2	109°1	108°5	108°6	108°8	107°25
106°2	104°5	103°8	105°6	107°8	109°5	110°6	110°1	109°6	109°7	109°5	108°5	108°69
—	—	—	—	—	—	—	—	—	—	—	—	—
106°4	104°5	103°5	104°0	105°6	108°2	111°1	110°5	108°6	108°8	107°3	108°0	108°87
101°1	97°4	99°7	103°0	102°8	104°7	102°7	106°0	105°3	104°6	103°4	103°6	104°54
99°1	97°9	98°3	99°8	101°0	103°1	103°5	104°4	102°8	101°5	101°0	100°9	102°32
100°6	98°6	99°8	99°0	101°9	103°5	105°0	104°1	102°7	104°2	105°1	106°4	102°24
103°1	102°4	101°4	101°4	103°0	104°9	105°3	105°3	105°9	106°2	106°5	107°5	104°74
104°8	105°2	105°4	105°3	108°2	110°3	112°0	112°2	113°0	107°5	96°6	102°9	107°12
—	—	—	—	—	—	—	—	—	—	—	—	—
101°3	99°9	101°2	103°9	104°1	104°5	106°1	102°3	105°5	106°6	106°8	105°8	102°72
101°5	98°8	99°3	102°0	101°3	103°8	103°8	106°7	104°8	104°3	105°0	104°5	103°91
100°1	101°7	102°6	103°8	105°7	107°4	108°2	105°9	105°8	105°0	104°2	103°8	103°84
102°8	100°6	101°3	103°3	105°3	106°8	105°9	107°4	105°4	106°0	105°7	105°3	105°05
102°1	101°4	101°0	101°0	104°0	103°9	107°1	109°4	106°9	109°2	102°6	103°6	104°86
90°9	93°5	91°1	94°3	99°7	104°1	104°3	103°5	105°3	104°2	103°6	105°2	101°00
—	—	—	—	—	—	—	—	—	—	—	—	—
102°7	101°8	101°5	101°4	101°2	—	105°5	105°8	103°9	104°0	105°8	104°4	103°75
102°2	101°2	100°3	99°3	101°8	102°1	103°8	103°4	102°7	103°0	103°2	102°8	103°35
100°2	98°1	99°5	101°1	101°4	102°9	103°4	101°3	103°6	102°4	101°4	102°0	102°37
100°6	97°7	98°1	99°9	102°0	101°2	101°4	100°7	100°9	99°4	105°3	98°6	101°75
100°3	101°0	104°4	102°0	105°7	104°9	101°7	104°9	102°9	105°2	105°6	106°1	102°83
105°5	103°8	103°6	105°5	108°3	108°9	108°8	105°0	109°5	109°7	110°2	110°1	107°37
102°36	101°60	101°27	102°25	104°12	105°50	106°04	106°13	105°91	105°74	105°44	105°26	104°79

TEMPERATURE OF THE BIFILAR MAGNET.												
54°0	54°0	54°0	54°0	54°5	54°8	55°2	55°8	56°0	56°0	55°8	56°4	55°38
—	—	—	—	—	—	—	—	—	—	—	—	—
55°9	55°9	55°9	55°9	56°0	56°8	57°2	57°4	57°4	57°4	57°4	57°2	56°60
55°5	55°7	56°5	57°5	58°2	58°2	58°0	57°8	58°2	58°2	58°0	57°8	56°84
54°0	53°8	53°8	54°0	54°2	54°4	54°3	54°5	54°5	54°6	54°7	54°7	55°34
53°1	53°0	53°0	53°4	53°6	54°0	54°4	55°0	55°6	56°0	56°2	56°2	54°10
54°5	54°4	—	54°7	54°8	54°8	54°5	54°8	54°8	54°8	54°8	54°7	55°00
52°2	52°2	52°5	52°8	53°0	53°2	53°5	53°7	53°8	54°0	54°2	54°2	53°35
—	—	—	—	—	—	—	—	—	—	—	—	—
52°2	52°3	52°8	53°5	54°0	54°5	55°0	56°0	56°2	56°5	57°0	57°0	53°91
54°8	55°2	55°5	56°5	57°2	58°0	58°5	59°2	59°6	60°0	60°3	60°7	57°17
61°0	61°1	61°4	61°7	62°0	62°2	62°6	62°8	63°2	63°3	63°3	63°3	61°59
59°5	59°4	59°7	59°7	60°0	60°0	60°0	60°0	60°0	60°0	60°0	60°0	60°53
57°8	57°8	57°8	57°8	57°8	57°7	57°7	57°6	58°0	57°8	57°8	57°8	58°45
55°2	55°0	55°0	55°0	55°0	55°2	55°2	55°5	55°5	55°4	55°5	55°2	55°93
—	—	—	—	—	—	—	—	—	—	—	—	—
54°2	54°3	54°3	54°6	54°9	55°2	55°1	55°2	55°2	55°3	55°4	55°4	54°79
55°0	55°0	55°0	55°2	55°8	56°0	56°4	56°5	56°6	56°8	57°0	57°0	55°59
55°7	55°8	56°2	56°6	57°0	57°2	57°6	57°8	58°0	58°0	57°5	57°5	56°72
54°5	54°5	54°5	54°7	55°0	55°3	55°6	56°0	56°2	56°3	56°5	56°5	55°76
55°2	55°0	55°0	55°0	55°6	55°6	56°0	56°0	56°2	56°2	56°0	56°0	55°81
55°2	55°5	55°5	55°8	55°8	56°2	56°4	56°5	56°8	56°5	56°6	56°6	55°81
—	—	—	—	—	—	—	—	—	—	—	—	—
55°0	55°6	56°0	56°4	57°0	—	58°0	58°5	58°9	59°3	59°2	59°0	56°80
58°5	58°7	59°2	59°6	60°0	60°4	61°0	61°0	61°2	61°4	61°5	61°2	59°42
59°6	60°0	60°4	61°0	61°8	62°4	63°1	63°4	63°7	63°9	64°2	64°3	61°30
63°0	63°0	63°0	63°4	63°5	63°5	63°5	63°5	63°2	63°0	63°0	62°6	63°35
59°4	59°2	59°4	59°2	59°0	59°0	59°0	59°0	59°2	59°0	58°7	58°0	59°91
53°5	53°8	53°7	53°6	53°6	53°7	53°8	53°6	53°5	53°5	53°4	53°2	54°60
55°93	56°00	56°25	56°46	56°77	57°01	57°26	57°48	57°66	57°73	57°76	57°70	56°99

HORIZONTAL FORCE.													
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '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.	
Nov. 30	110'1	110'2	109'5	—	—	—	—	—	—	—	—	—	
DECEMBER.	1	—	—	113'1	112'4	109'6	109'0	112'1	111'2	111'1	111'0	108'6	
	2	108'6	109'6	109'5	109'4	109'6	108'0	109'1	—	108'1	108'6	107'4	
	3	106'3	106'2	106'5	106'6	106'1	106'2	106'5	106'9	108'0	108'3	107'0	
	4	110'5	107'7	106'3	104'5	105'3	105'9	105'0	105'2	104'7	105'8	105'5	100'4
	5	103'2	103'5	104'0	104'0	104'7	104'8	104'1	104'8	105'2	105'8	105'6	103'5
	6	104'1	104'5	104'5	104'3	—	104'0	104'0	103'5	104'5	104'0	102'3	100'6
	7	103'4	103'2	103'4	—	—	—	—	—	—	—	—	—
	8	—	—	—	106'2	106'7	106'6	107'2	106'9	107'2	107'7	105'7	103'3
	9	105'4	105'2	105'3	106'0	106'4	106'5	106'8	107'3	108'0	108'3	106'9	104'9
	10	105'1	104'5	104'3	104'7	108'7	106'5	106'4	107'0	107'5	106'9	105'5	102'5
	11	107'2	107'1	105'4	105'1	105'7	105'6	105'2	105'3	105'5	106'2	104'4	102'1
	12	105'2	104'8	104'9	104'9	105'0	—	105'3	105'9	106'7	106'4	105'9	104'0
	13	106'7	106'3	106'2	—	106'5	106'0	106'3	106'8	107'4	107'7	108'1	106'5
	14	112'0	111'3	108'3	—	—	—	—	—	—	—	—	—
	15	—	—	—	—	103'0	106'7	109'9	105'5	102'3	102'3	102'8	103'2
	16	106'6	106'3	105'8	105'8	106'9	109'2	107'4	105'2	104'3	103'6	105'4	105'9
	17	104'9	104'3	104'2	104'0	103'8	103'8	104'2	104'4	105'2	106'1	106'4	106'8
	18	103'9	—	103'5	103'2	103'3	103'5	103'7	103'2	104'0	105'0	105'1	103'1
	19	102'0	101'2	101'7	101'0	103'5	102'8	99'1	99'2	99'4	101'0	100'7	99'3
	20	103'6	107'1	103'2	105'3	102'2	104'2	101'1	102'1	102'5	101'1	102'9	100'6
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	—	—	—	—	—	—	—	—	—	—	b
	23	104'3	104'7	104'5	104'2	103'0	102'9	103'2	104'3	104'8	104'5	103'7	101'6
	24	103'7	103'3	103'5	c	—	—	—	—	—	—	—	—
	25	—	—	—	100'4	101'1	101'7	101'2	101'2	101'3	102'0	101'2	99'8
	26	103'6	99'0	99'1	99'1	100'5	102'3	102'8	103'3	—	103'8	101'5	100'5
	27	103'7	104'5	104'0	103'7	104'4	103'1	100'6	103'1	103'9	104'2	104'2	101'8
	28	103'7	107'0	104'6	—	—	—	—	—	—	—	—	—
	29	—	—	—	92'4	103'4	98'3	101'9	97'8	103'6	95'3	94'9	97'3
	30	102'8	103'1	104'8	103'8	105'2	104'8	103'4	101'1	101'3	102'0	102'3	104'7
	31	101'3	102'7	101'5	104'9	102'7	101'5	101'1	100'8	—	—	103'2	101'8
Hourly Means	105'28	105'30	104'74	104'20	105'00	104'77	104'56	104'48	104'93	104'88	104'46	103'08	

TEMPERATURE OF THE BIFILAR MAGNET.													
Nov. 30	53'0	53'0	53'0	—	—	—	—	—	—	—	—	—	
DECEMBER.	1	—	—	54'0	54'0	53'8	53'6	53'6	53'5	53'3	53'2	53'3	
	2	57'2	57'2	57'2	57'2	57'6	57'3	57'2	57'1	—	56'6	56'6	
	3	58'9	58'7	58'5	58'3	59'0	59'0	59'0	58'8	58'5	58'4	58'5	
	4	62'8	62'8	62'5	62'2	62'0	62'0	61'5	61'2	61'3	61'3	61'2	61'2
	5	63'0	62'5	62'5	62'0	62'0	61'6	61'3	61'1	60'8	60'4	60'2	60'0
	6	62'3	62'4	62'4	62'5	—	62'5	62'5	62'6	62'6	62'6	62'8	62'9
	7	65'4	65'0	64'8	—	—	—	—	—	—	—	—	—
	8	—	—	—	61'1	60'7	60'6	60'4	60'3	60'2	60'0	59'8	59'8
	9	61'8	61'7	61'5	61'3	61'0	60'8	60'6	60'2	60'0	59'7	59'5	59'6
	10	61'4	61'4	61'2	61'0	61'0	60'5	60'4	60'0	60'0	59'7	59'6	59'3
	11	63'0	63'0	63'0	62'6	62'8	62'7	62'7	62'7	62'6	62'6	62'6	62'8
	12	63'7	63'6	63'3	62'8	62'6	—	62'0	61'8	61'2	60'8	60'4	60'2
	13	61'0	60'8	60'8	—	60'2	60'0	59'8	59'5	59'3	59'1	58'8	58'6
	14	59'0	58'8	58'5	—	—	—	—	—	—	—	—	—
	15	—	—	—	—	58'0	58'0	58'0	58'0	57'8	57'8	57'8	58'0
	16	59'4	59'4	59'4	59'4	59'0	59'0	58'8	58'8	58'6	58'3	58'3	58'1
	17	61'0	61'0	61'0	60'6	60'5	60'3	60'1	59'9	59'5	59'4	59'2	59'4
	18	63'6	—	63'4	63'3	63'0	62'8	62'8	62'6	62'3	62'2	62'2	62'3
	19	65'8	65'8	65'6	65'7	65'6	65'6	65'7	65'5	65'5	65'3	65'2	65'2
	20	65'6	65'0	64'5	64'2	63'9	63'6	63'2	62'8	62'4	62'0	61'6	61'5
	21	—	—	—	—	—	—	—	—	—	—	—	—
	22	—	—	—	—	—	—	—	—	—	—	—	—
	23	63'6	63'2	63'0	62'8	62'6	62'4	62'2	61'8	61'8	61'4	61'4	61'4
	24	64'5	64'4	64'3	c	—	—	—	—	—	—	—	—
	25	—	—	—	67'0	66'8	66'5	66'2	66'0	66'0	65'7	65'7	65'8
	26	68'0	67'6	67'5	67'0	67'0	66'6	66'3	65'7	—	65'0	64'6	64'6
	27	66'2	66'0	65'7	65'5	65'2	65'2	65'0	65'0	64'8	64'5	64'3	64'0
	28	63'8	63'4	63'2	—	—	—	—	—	—	—	—	—
	29	—	—	—	58'7	58'7	58'8	59'0	59'0	58'8	58'6	58'5	58'5
	30	60'6	60'6	60'4	60'3	60'0	60'0	60'0	60'0	60'0	59'8	59'6	59'8
	31	63'0	63'0	63'2	63'4	63'2	63'2	63'0	63'0	—	—	62'4	62'3
Hourly Means	62'30	62'10	62'02	61'87	61'52	61'37	61'24	61'09	60'80	60'60	60'56	60'55	

* Vertical wire of reading telescope found broken.

b Wire replaced in telescope.

c Christmas Day.

HORIZONTAL FORCE.												
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fab. = '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.
107.6	105.6	104.5	105.4	105.9	107.8	109.5	109.1	109.7	107.1	108.4	108.6	109.05
106.2	104.4	103.5	103.3	105.8	107.5	110.6	108.8	108.6	106.6	107.1	106.7	107.64
104.8	103.6	104.1	104.9	106.6	107.5	106.3	105.9	105.0	104.8	104.2	108.2	106.18
98.5	100.5	100.6	98.8	99.2	101.4	100.8	101.2	101.5	103.2	102.8	103.1	103.26
100.8	100.7	102.2	103.7	105.1	106.0	105.5	105.4	105.0	104.8	104.8	104.8	104.12
98.5	97.0	96.5	99.5	102.8	104.3	104.2	103.7	102.7	102.1	102.1	102.7	102.45
101.0	99.6	99.6	101.0	103.2	105.6	105.8	105.6	106.1	105.6	105.3	105.7	104.65
101.6	99.8	99.1	99.7	103.2	105.1	105.2	108.5	105.1	106.1	105.3	105.4	105.04
98.3	96.9	96.1	99.0	102.0	105.0	108.2	109.0	108.0	108.7	107.9	108.1	104.86
98.9	97.5	96.0	96.2	100.0	103.3	106.4	104.9	105.7	106.7	105.4	106.5	103.84
100.0	99.1	99.7	101.4	104.1	107.3	107.1	106.9	106.4	106.7	107.4	106.8	104.86
103.6	101.9	102.3	102.5	103.5	106.4	108.1	108.4	109.2	110.3	111.1	111.7	106.67
101.0	102.1	101.8	101.9	102.9	104.3	105.9	105.6	106.5	106.2	105.2	107.2	105.13
104.7	101.0	102.7	102.8	103.5	104.6	106.5	105.5	106.1	105.8	105.4	106.0	105.29
106.1	105.1	103.9	102.8	104.2	104.0	102.6	100.5	104.7	101.9	104.5	103.5	104.24
102.3	102.0	102.6	103.7	106.0	106.6	106.6	108.2	107.0	103.9	99.5	101.8	103.98
98.9	99.3	99.1	98.4	101.1	99.0	100.4	101.0	102.5	101.2	102.1	102.1	100.70
101.0	98.7	98.1	99.6	—	—	—	—	—	—	—	—	102.75
100.1	99.1	100.3	102.6	104.0	103.6	102.8	101.6	102.1	102.6	102.6	102.8	102.91
98.8	97.8	96.7	96.7	97.5	100.1	102.2	103.1	103.8	104.0	102.6	101.9	101.06
98.5	97.4	98.4	99.7	100.1	103.8	102.1	102.0	102.1	103.9	103.1	104.0	101.33
100.7	98.4	98.5	101.1	103.4	104.8	105.1	104.5	105.6	104.6	102.7	103.4	103.08
97.2	98.8	96.8	98.0	102.0	107.9	106.7	107.6	107.4	106.1	105.2	103.3	101.55
103.3	98.5	98.3	98.2	98.6	101.6	100.4	103.0	103.7	105.6	102.7	102.5	102.32
100.4	99.8	99.1	97.4	100.5	102.1	103.2	103.0	100.8	101.6	102.9	102.5	101.58
101.31	100.18	100.02	100.73	102.82	104.58	105.02	105.07	105.20	104.94	104.55	104.94	103.95

TEMPERATURE OF THE BIFILAR MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
53.2	53.4	53.4	54.4	54.6	55.0	56.0	56.4	56.6	57.0	57.0	57.0	54.39
56.8	57.0	57.7	58.2	58.6	58.8	59.0	59.2	59.6	59.3	59.2	59.1	57.84
59.0	59.0	59.3	59.6	60.2	60.8	61.4	62.0	62.5	62.8	63.0	63.0	59.87
61.0	61.2	61.6	62.0	62.5	62.5	63.0	63.2	63.5	63.5	63.2	63.0	62.17
60.0	60.0	60.0	60.0	60.4	60.7	60.9	61.2	61.3	61.6	61.8	62.1	61.14
63.0	63.0	63.0	63.5	63.6	64.2	64.4	65.0	65.4	65.6	65.6	65.8	63.57
59.8	59.8	60.0	60.3	61.0	61.3	61.6	61.8	61.9	62.1	62.1	61.9	61.32
59.5	59.5	59.5	59.5	59.8	60.2	60.6	61.0	61.2	61.4	61.6	61.6	60.55
59.3	59.7	59.6	60.0	60.5	60.5	61.2	61.5	62.0	62.4	62.5	62.5	60.72
62.8	62.8	63.5	63.5	63.7	64.0	64.0	64.0	64.0	64.0	64.1	64.0	63.23
60.0	60.0	60.0	60.0	60.2	60.5	60.8	61.2	61.6	61.4	61.5	61.3	61.34
58.8	58.6	58.6	58.6	58.6	58.5	58.5	59.0	59.0	59.0	59.0	59.0	59.27
58.0	58.0	57.5	58.0	58.0	58.4	58.7	59.0	59.0	59.2	59.5	59.5	58.37
58.0	58.0	58.2	58.5	59.0	59.2	59.2	60.0	60.2	60.5	60.5	61.0	59.12
59.7	59.8	60.2	60.8	61.6	62.2	62.7	63.0	63.3	63.5	63.6	63.6	61.08
62.3	62.4	63.0	63.6	63.8	64.3	64.5	65.0	65.4	65.6	65.8	65.8	63.57
65.4	65.6	65.8	65.8	65.8	66.0	66.0	66.0	66.0	66.0	65.8	65.7	65.68
61.3	61.3	61.4	61.7	—	—	—	—	—	—	—	—	63.03
61.4	61.5	61.7	62.0	62.0	62.4	63.0	63.5	64.0	64.0	64.0	63.8	62.66
65.8	66.0	66.3	66.6	67.1	67.2	67.5	68.0	68.0	68.0	68.0	68.0	66.47
64.5	64.5	65.0	65.2	65.6	65.9	66.3	66.4	66.6	66.5	66.5	66.3	66.05
63.6	63.8	63.8	64.0	64.0	64.0	63.8	63.8	63.8	63.8	63.8	64.0	64.48
58.5	58.7	58.8	58.8	59.3	59.5	59.8	60.1	60.4	60.5	60.6	60.6	59.77
59.6	60.0	60.0	60.2	61.0	61.2	61.6	62.0	62.2	62.4	62.8	63.0	60.72
62.2	62.2	62.3	62.6	63.0	63.2	63.4	63.6	64.0	64.0	64.0	64.0	63.10
60.54	60.63	60.81	61.09	61.46	61.74	62.05	62.38	62.62	62.74	63.16	62.80	61.58

VERTICAL FORCE.												
One Scale Division = '000036 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah ^t . = '00021.												
Mean Göttingen Time. } JANUARY.	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 ^a	58.4	54.2	63.1	60.5	—	—	—	—	—	67.6	72.2	69.2
2	64.1	56.3	62.0	70.0	69.8	70.4	68.1	72.2	63.9	72.5	72.5	70.3
3	63.8	65.1	65.5	65.5	64.6	65.5	65.2	65.2	64.6	64.2	68.2	69.4
4	55.4	57.5	55.4	50.3	49.8	56.0	60.7	60.3	61.3	59.4	—	61.7
5	60.5	66.6	56.7	69.6	63.6	66.9	62.6	63.9	68.8	68.1	64.8	66.1
6	76.0	80.7	71.6	—	—	—	—	—	—	—	—	—
7	—	—	—	49.9	47.3	44.8	51.5	52.1	47.2	51.5	49.0	55.9
8	65.0	64.8	57.4	68.6	73.7	73.4	75.7	73.8	68.7	68.9	71.4	—
9	75.5	69.2	—	76.2	77.5	76.7	75.3	75.7	81.9	76.6	67.0	73.9
10	73.0	73.6	69.2	71.1	73.5	72.0	74.7	74.5	—	76.0	78.0	81.4
11	67.3	63.2	62.7	66.0	66.3	64.7	65.2	65.2	61.2	62.4	65.1	67.0
12	60.1	60.9	60.0	61.9	60.2	61.7	64.0	64.0	63.1	64.2	69.1	60.9
13	48.2	46.0	45.0	—	—	—	—	—	—	—	—	—
14	—	—	—	69.2	—	69.8	73.5	74.4	76.0	74.7	76.8	77.9
15	74.8	75.2	75.2	74.8	75.2	76.6	76.7	77.5	76.7	77.1	77.6	80.6
16	68.5	67.0	68.4	67.4	67.3	70.2	71.2	71.6	70.9	—	73.6	77.7
17	63.7	65.1	67.3	67.8	67.5	68.9	68.9	70.1	73.8	67.8	64.7	64.7
18	58.4	58.0	56.0	54.1	52.0	61.5	61.6	60.9	62.0	62.4	65.7	71.2
19	74.5	73.5	74.7	74.2	—	74.5	75.5	78.5	78.7	76.1	77.0	79.1
20	78.9	78.4	78.0	—	—	—	—	—	—	—	—	—
21	—	—	—	65.4	66.0	66.2	66.9	68.5	—	66.0	61.6	63.4
22	53.7	52.2	55.3	45.5	56.1	58.5	42.8	49.4	49.4	51.2	53.2	56.5
23	64.7	63.1	63.3	66.0	69.4	69.3	—	71.5	71.0	67.9	65.8	65.8
24	75.3	76.9	76.0	76.8	76.1	75.2	75.0	76.0	71.4	65.7	64.0	64.6
25	70.9	66.9	65.6	58.4	61.6	62.8	63.5	63.2	59.1	58.9	59.9	62.7
26	68.1	69.7	70.6	70.2	72.1	74.1	73.6	74.3	70.7	72.7	74.0	78.4
27	63.5	62.5	63.5	—	—	—	—	—	—	—	—	—
28	—	—	—	62.0	63.4	65.0	66.2	66.3	68.7	70.0	76.8	72.6
29	72.0	71.3	71.3	73.1	73.7	72.7	70.6	74.2	75.8	74.9	76.4	75.7
30	70.0	69.4	71.7	71.8	71.0	71.7	72.1	76.1	73.5	74.7	78.4	80.7
31	64.9	64.6	65.3	65.8	66.3	66.5	66.5	66.3	71.8	71.5	68.5	71.2
Hourly Means	66.27	65.62	65.03	65.63	66.00	67.52	67.50	68.64	67.93	67.81	68.90	69.95
TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
JANUARY.	1	2	3	4	5	6	7	8	9	10	11	12
1	65.0	65.0	65.0	64.8	—	—	—	—	—	62.0	61.4	61.0
2	62.8	62.7	62.5	62.3	62.0	62.4	62.0	61.8	61.5	61.8	61.0	61.0
3	63.2	63.4	63.0	63.0	63.2	63.0	62.8	62.6	62.3	62.1	61.8	61.7
4	65.2	65.0	64.8	64.8	64.5	64.3	64.0	63.7	63.2	63.0	—	62.8
5	63.5	63.2	63.1	63.0	62.8	62.5	62.4	62.2	61.8	61.6	61.2	61.0
6	59.4	59.4	59.8	—	—	—	—	—	—	—	—	—
7	—	—	—	66.4	66.3	66.3	66.2	65.9	65.6	65.6	65.6	65.4
8	62.3	62.0	61.7	61.5	60.6	60.6	60.4	59.8	59.6	59.0	59.0	—
9	60.4	60.4	—	60.0	60.0	60.0	59.8	59.4	59.2	59.0	58.8	58.8
10	60.5	60.5	60.4	60.4	60.4	60.3	60.2	60.0	—	59.8	59.8	59.6
11	62.7	62.8	62.0	63.3	63.2	63.4	63.4	63.2	63.0	62.8	62.6	62.6
12	64.4	64.4	64.2	64.0	64.0	63.8	63.6	63.2	63.0	62.7	62.7	62.7
13	68.2	68.8	68.8	—	—	—	—	—	—	—	—	—
14	—	—	—	61.4	—	60.8	60.6	60.2	59.8	59.6	59.0	59.0
15	59.8	59.8	59.8	59.8	59.4	59.4	59.3	59.0	58.9	58.8	58.7	58.6
16	61.8	62.0	62.0	62.0	61.7	61.6	61.3	61.2	60.8	—	60.6	60.5
17	62.3	62.4	62.3	62.3	62.2	62.0	61.6	61.4	61.5	61.4	61.2	61.2
18	65.2	65.2	65.2	65.0	65.0	64.4	63.8	63.2	62.8	62.3	61.7	61.3
19	60.4	60.0	60.0	60.0	—	59.3	58.8	58.6	58.0	57.8	57.4	57.4
20	59.0	59.0	58.9	—	—	—	—	—	—	—	—	—
21	—	—	—	62.2	62.2	62.0	61.8	61.6	—	60.8	60.7	60.7
22	66.2	66.2	66.3	66.5	66.6	66.8	66.6	66.6	66.2	66.0	65.8	65.5
23	63.2	62.7	62.3	62.0	61.5	61.0	—	60.8	60.0	59.8	59.6	59.6
24	59.2	59.4	59.4	59.4	59.6	59.6	59.6	59.4	59.3	59.3	59.2	59.5
25	65.0	65.0	65.0	65.0	65.0	65.0	65.0	64.8	64.4	64.2	63.8	63.3
26	61.7	61.5	61.4	61.4	61.2	61.0	60.8	60.6	60.2	60.0	60.0	59.8
27	63.4	63.6	63.6	—	—	—	—	—	—	—	—	—
28	—	—	—	63.3	62.9	62.5	62.0	61.5	61.0	60.6	60.2	60.0
29	60.9	60.8	60.7	60.7	60.4	60.0	59.8	59.4	59.2	59.0	58.6	58.0
30	60.8	60.8	60.8	60.7	60.6	60.4	60.2	59.8	59.3	59.0	58.8	58.7
31	62.8	62.8	62.6	62.6	62.5	62.3	62.0	61.6	61.0	61.0	60.6	60.4
Hourly Means	62.57	62.55	62.52	62.51	62.41	62.10	61.92	61.60	61.32	61.12	60.76	60.77

^a Not included in the daily means.

VERTICAL FORCE.												
One Scale Division = '000036 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.												
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.
66·5	70·6	74·2	77·4	76·2	71·7	71·2	70·1	67·0	67·3	63·2	67·7	—
68·8	69·8	71·9	75·2	74·2	74·2	72·4	71·0	68·8	66·0	64·6	63·0	68·83
66·4	68·5	—	68·0	69·7	64·1	58·6	55·5	55·5	57·2	57·2	53·2	63·51
65·2	66·2	67·2	70·4	79·5	83·2	67·2	66·2	55·2	63·1	72·3	58·3	62·69
63·7	68·1	72·5	77·5	71·8	69·2	71·2	81·2	77·1	74·1	74·0	67·7	68·60
—	—	—	—	—	—	—	—	—	—	—	—	—
58·0	62·2	63·4	60·1	60·2	64·5	66·3	63·5	61·0	59·6	63·2	65·4	59·37
84·0	84·7	83·1	89·4	90·8	—	82·5	75·2	76·8	76·8	75·9	75·5	75·28
—	82·9	87·8	91·5	92·9	—	77·7	74·0	73·9	73·1	76·7	75·2	77·68
79·3	81·0	85·0	81·5	79·2	73·9	71·3	72·2	71·7	71·7	66·2	67·7	74·68
69·4	72·7	75·1	74·4	71·7	66·9	61·0	58·9	59·0	62·2	61·5	60·4	65·35
59·5	62·7	61·5	62·9	66·5	65·2	61·1	55·3	47·4	47·6	49·2	48·2	59·88
—	—	—	—	—	—	—	—	—	—	—	—	—
76·9	78·7	83·8	87·2	87·7	82·9	77·4	71·4	71·5	74·2	74·9	74·6	72·73
82·3	84·0	85·3	85·0	81·0	80·1	80·1	75·3	72·7	70·7	69·1	67·6	77·13
81·0	81·5	78·2	80·5	81·1	79·9	78·0	74·4	74·4	72·5	67·0	66·0	73·40
65·2	65·8	69·8	71·5	70·0	69·1	66·4	60·6	64·6	62·6	58·7	57·5	66·34
75·6	72·3	70·5	73·7	76·4	77·4	74·0	75·3	77·3	72·1	71·7	72·3	67·18
79·5	84·9	87·1	86·0	84·0	82·0	83·4	80·2	82·5	83·7	81·0	79·3	79·56
—	—	—	—	—	—	—	—	—	—	—	—	—
70·2	69·9	78·8	75·3	73·0	69·2	62·7	60·2	56·9	56·1	55·0	54·0	66·98
64·7	67·8	65·8	63·6	56·3	54·1	51·4	56·0	58·5	62·6	62·3	59·8	56·11
70·8	78·8	84·7	84·8	87·4	84·0	79·3	75·6	75·4	75·6	75·4	76·5	73·31
71·4	71·6	77·0	80·4	80·7	82·0	82·8	82·3	83·2	78·7	73·5	79·1	75·65
69·3	72·5	74·4	77·2	78·8	72·7	71·0	72·7	67·7	68·8	68·9	68·9	67·35
79·4	82·4	82·0	80·3	79·6	78·0	74·4	68·7	65·6	63·4	62·9	70·6	73·16
—	—	—	—	—	—	—	—	—	—	—	—	—
70·8	71·0	71·5	77·0	76·7	76·7	76·0	76·4	72·1	70·6	73·2	70·6	70·13
77·8	84·4	86·1	85·1	83·7	80·7	76·8	77·7	75·7	76·7	73·5	68·0	76·16
87·6	89·9	83·8	78·7	76·2	73·1	67·2	70·7	70·7	71·5	69·6	66·4	74·44
72·8	74·6	75·1	75·8	68·6	60·9	62·9	66·9	72·2	55·9	53·3	55·0	66·80
72·16	74·80	74·06	77·42	76·81	73·43	71·27	69·91	68·68	67·94	67·19	66·24	69·58
TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
60·8	60·8	60·8	61·2	61·5	62·0	62·2	62·5	62·8	63·0	63·0	62·9	—
60·8	60·8	60·8	60·8	61·0	61·4	620	62·4	62·8	63·0	63·5	63·3	61·93
61·8	62·1	—	63·0	63·6	63·8	64·2	64·6	65·0	65·1	65·0	64·2	63·24
62·5	62·7	62·8	62·8	63·0	63·2	63·4	63·8	63·8	63·8	63·5	63·5	63·66
61·0	60·8	60·7	60·4	60·4	60·2	60·2	60·0	60·0	59·8	59·8	59·6	61·30
—	—	—	—	—	—	—	—	—	—	—	—	—
65·0	64·8	64·4	64·4	64·2	64·0	63·8	63·6	63·3	63·2	63·0	62·7	64·10
58·5	58·5	58·5	58·5	58·8	—	59·6	59·8	60·0	60·4	60·4	60·5	60·00
—	58·5	58·5	58·5	58·7	—	59·2	59·6	60·0	60·0	60·4	60·4	59·50
59·5	59·5	59·7	59·8	60·0	60·1	60·3	60·7	61·0	61·4	62·0	62·6	60·37
62·6	62·8	62·8	63·3	63·5	64·0	64·2	64·8	64·8	64·8	64·7	64·6	63·41
62·8	63·0	63·2	63·8	64·6	65·4	66·0	66·8	67·2	67·7	68·0	68·2	64·56
—	—	—	—	—	—	—	—	—	—	—	—	—
58·6	58·4	58·8	58·8	58·8	58·8	59·0	59·2	59·2	59·2	59·6	59·7	60·62
58·6	59·0	59·0	59·4	59·8	60·2	60·4	61·0	61·0	61·4	61·8	62·0	59·79
60·0	59·8	59·8	59·8	60·1	60·3	60·6	60·9	61·3	61·8	62·0	62·2	61·05
61·2	61·5	62·0	62·5	63·0	63·5	64·2	64·6	64·6	64·8	65·0	65·2	62·66
61·0	60·8	60·5	60·5	60·6	60·6	60·5	60·5	60·5	60·5	60·4	60·4	62·16
57·3	57·2	57·2	57·3	57·5	57·8	58·0	58·2	58·3	58·5	58·6	59·0	58·37
—	—	—	—	—	—	—	—	—	—	—	—	—
60·6	60·8	60·8	61·3	62·0	62·6	63·0	63·8	64·6	64·4	65·6	65·9	61·93
65·5	65·3	65·4	65·4	65·4	65·0	65·3	65·0	64·8	64·5	64·0	63·8	65·61
59·0	58·8	58·8	58·8	58·8	58·8	59·0	58·8	59·0	59·0	59·1	59·4	59·99
59·8	60·4	60·8	61·4	62·0	62·4	62·7	63·2	63·3	64·0	64·3	64·8	60·92
62·8	62·4	62·0	61·7	61·3	61·5	61·6	61·6	61·7	61·8	62·0	62·0	63·25
59·4	59·3	59·5	59·8	60·2	60·7	61·2	61·7	62·2	62·8	63·0	63·4	60·95
—	—	—	—	—	—	—	—	—	—	—	—	—
59·7	59·7	59·7	59·7	59·8	60·0	60·1	60·4	60·5	60·7	61·0	60·9	61·12
58·0	57·8	58·0	58·2	58·6	58·8	59·2	59·5	60·0	60·5	60·8	61·0	59·50
58·6	58·8	59·0	59·2	59·8	60·2	61·0	61·6	61·9	62·3	62·5	62·8	60·32
60·2	60·3	60·8	61·2	61·7	62·3	62·8	63·6	64·2	64·7	65·0	65·4	62·27
60·60	60·54	60·55	60·80	61·06	61·50	61·62	61·93	62·14	62·34	62·52	62·61	61·68

VERTICAL FORCE.													
One Scale Division = '000035 parts of the V.F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.													
Mean Göttingen Time. } 0h.	1h.	2.	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.		
FEBRUARY.	1	59·6	46·0	49·0	60·2	46·2	48·3	44·4	56·8	57·4	69·9	57·1	53·5
	2	50·4	51·7	—	49·9	50·4	48·6	34·1	25·8	51·2	52·7	52·7	59·6
	3	68·5	68·0	71·8	—	—	—	—	—	—	—	—	—
	4	—	—	—	73·8	72·7	72·2	69·8	71·4	—	69·1	67·5	68·4
	5	53·9	59·5	66·7	66·9	57·7	60·1	59·1	65·7	67·0	65·1	66·2	70·0
	6	55·4	54·2	58·4	55·7	57·3	57·7	60·1	55·2	53·3	53·1	56·8	57·6
	7	63·0	62·6	62·5	63·6	69·1	72·0	73·0	70·8	72·2	74·7	77·2	73·0
	8	76·4	73·9	68·5	64·3	62·6	50·0	69·5	67·9	75·2	71·8	72·9	72·9
	9	69·0	71·0	71·2	71·7	71·7	71·7	71·5	72·3	71·4	71·5	70·6	73·4
	10	59·2	60·8	61·8	—	—	—	—	—	—	—	—	—
	11	—	—	—	65·2	66·1	67·1	70·4	67·8	67·4	66·0	65·9	69·1
	12	52·2	52·2	52·5	51·4	—	51·9	51·9	56·3	50·1	53·0	55·3	59·4
	13	43·8	45·2	44·2	45·0	45·2	46·1	47·3	48·2	50·2	48·1	47·2	50·5
	14	32·6	33·2	34·7	36·8	37·8	37·1	38·6	39·3	39·6	35·7	41·0	45·0
	15	35·2	36·3	32·5	37·6	39·0	34·1	39·4	45·7	45·7	47·0	48·6	49·1
	16	34·4	34·7	36·9	32·8	39·7	39·8	42·0	42·0	—	43·7	48·2	50·5
	17	33·1	32·0	34·0	—	—	—	—	—	—	—	—	—
	18	—	—	—	35·0	37·6	38·8	39·6	40·9	40·6	40·2	42·0	44·1
	19 ^a	48·8	49·2	51·0	53·6	—	—	—	—	57·4	56·7	60·0	62·5
	20	67·4	66·5	67·0	68·7	68·4	69·1	70·7	68·8	69·3	69·3	68·4	71·0
	21	70·5	75·3	75·7	78·7	80·0	81·8	80·4	80·3	79·5	79·0	79·4	81·9
	22	73·9	74·0	74·0	75·5	75·5	76·8	75·9	77·9	76·9	72·9	72·0	74·2
	23	65·1	65·9	65·9	67·7	62·6	67·8	67·3	67·9	67·9	68·0	69·2	70·7
	24	56·0	58·1	58·6	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	65·6	65·4	63·3	64·3	64·9	61·5	62·5	62·5
	26	59·4	54·9	55·1	61·5	60·7	61·4	61·8	61·3	60·8	—	60·5	59·7
	27	62·6	64·9	66·3	65·4	66·6	67·4	67·7	68·4	68·3	67·3	67·8	67·9
	28	67·0	67·9	67·1	68·7	70·6	66·5	67·2	77·8	55·3	62·6	71·0	59·0
	29	65·3	68·8	68·4	69·7	70·4	69·5	69·0	69·0	—	69·1	70·5	73·7
Hourly Means	56·64	57·07	58·07	59·12	59·72	59·22	59·75	60·91	60·98	61·17	62·02	63·17	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
FEBRUARY.	1	65·5	65·6	65·6	65·7	65·5	65·3	65·0	64·8	64·5	64·2	64·0	63·8
	2	67·0	67·0	—	67·0	66·4	66·5	66·2	66·0	65·5	65·2	64·7	64·3
	3	61·0	61·0	60·6	—	—	—	—	—	—	—	—	—
	4	—	—	—	61·0	60·8	60·8	60·6	60·4	—	60·0	60·0	59·8
	5	62·6	62·4	62·6	62·6	62·5	62·2	62·0	61·8	61·4	61·0	60·7	60·6
	6	66·0	66·0	66·0	66·0	66·2	66·0	65·8	65·7	65·4	65·4	65·4	65·1
	7	62·3	61·8	61·6	61·2	60·6	60·4	60·0	59·7	59·2	59·0	58·6	58·2
	8	60·0	59·8	59·8	59·8	60·0	59·8	59·3	59·2	59·0	58·8	58·7	58·6
	9	60·8	60·8	60·6	60·6	60·6	60·5	60·3	60·2	60·0	60·0	59·7	59·6
	10	63·6	63·4	63·0	—	—	—	—	—	—	—	—	—
	11	—	—	—	62·6	62·4	62·2	61·8	61·6	61·3	61·0	60·7	60·6
	12	66·2	66·4	66·4	66·6	—	66·5	66·0	65·8	65·4	65·2	65·0	65·0
	13	69·0	69·0	69·0	69·0	68·8	68·8	68·4	68·2	68·0	68·0	67·8	67·6
	14	72·5	72·4	72·2	71·8	71·8	71·4	71·0	70·8	70·3	69·9	69·5	69·2
	15	72·0	71·8	71·4	71·2	70·9	70·6	70·2	69·7	69·0	68·8	68·4	68·2
	16	71·8	71·6	71·3	71·2	71·0	70·6	70·0	69·8	—	68·8	68·4	68·0
	17	72·4	72·5	72·6	—	—	—	—	—	—	—	—	—
	18	—	—	—	71·3	71·0	70·6	70·2	69·7	69·4	68·8	68·6	68·4
	19 ^a	67·0	66·7	66·4	66·2	—	—	—	—	64·0	63·8	63·4	63·0
	20	61·0	61·0	61·0	61·0	61·0	61·0	60·8	60·4	60·2	59·9	59·7	59·5
	21	58·5	58·2	58·0	58·0	57·8	57·6	57·2	57·0	56·6	56·4	56·4	56·0
	22	58·4	58·4	58·4	58·5	58·4	58·3	58·3	58·3	58·4	58·2	58·2	58·2
	23	61·6	61·5	61·6	61·4	61·4	61·0	61·0	61·0	60·6	60·3	60·2	60·2
	24	63·7	63·7	63·7	—	—	—	—	—	—	—	—	—
	25	—	—	—	—	62·6	62·4	62·4	62·2	62·0	61·8	61·4	61·2
	26	63·1	63·1	63·2	63·2	63·2	63·0	63·0	63·0	62·8	—	62·6	62·4
	27	62·0	62·0	61·8	61·6	61·5	61·2	61·0	60·7	60·4	60·0	59·8	59·6
	28	60·6	60·4	60·4	60·4	60·2	60·0	59·8	59·5	59·2	59·0	59·0	58·8
	29	61·0	61·0	60·9	60·8	61·0	60·8	60·6	60·5	—	60·0	60·0	59·9
Hourly Means	64·38	64·30	64·09	64·11	63·72	63·65	63·30	63·17	62·85	62·23	62·44	62·23	

^a Not included in the daily means.

VERTICAL FORCE.												
One Scale Division = '000035 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah ^t . = '00021.												
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.
60·9	66·3	69·9	66·0	66·2	63·0	56·7	58·1	51·2	51·7	50·4	50·4	56·63
78·6	73·3	78·4	78·8	71·0	72·5	75·9	78·2	70·0	68·9	71·6	67·7	61·39
—	—	—	—	—	—	—	—	—	—	—	—	70·93
65·9	77·1	83·6	81·4	76·3	76·0	71·2	68·7	65·9	65·7	63·4	63·5	66·68
71·0	80·8	83·1	80·9	77·9	76·3	66·3	62·2	64·3	55·7	67·9	56·1	61·27
60·7	67·5	69·6	69·5	70·3	72·5	67·7	63·8	64·3	63·6	63·1	63·1	72·90
79·7	84·7	—	79·8	76·1	75·1	73·0	75·0	76·3	75·8	74·6	73·0	73·03
74·9	80·9	92·3	94·0	81·2	75·5	74·0	71·2	72·8	70·7	70·9	68·3	72·02
75·7	76·8	82·2	83·7	86·2	77·3	71·0	63·7	62·7	65·2	66·1	61·0	66·80
—	—	—	—	—	—	—	—	—	—	—	—	54·11
73·9	76·3	82·2	81·7	83·0	72·1	66·0	61·1	56·3	57·6	55·0	51·1	46·70
61·3	63·9	64·4	64·1	61·2	59·2	55·1	49·8	46·9	46·7	42·3	43·4	40·68
53·2	50·9	53·4	55·7	54·1	50·2	46·4	46·1	43·0	37·9	35·2	33·6	43·25
48·0	50·7	50·7	50·7	46·4	45·5	42·9	42·2	39·0	35·6	37·2	36·0	42·63
50·3	53·5	54·5	55·4	52·2	51·7	47·6	38·6	37·3	36·3	35·3	35·1	44·51
52·6	56·0	54·7	48·8	50·3	50·3	43·9	38·6	33·1	36·9	36·9	33·6	—
—	—	—	—	—	—	—	—	—	—	—	—	72·22
48·2	54·6	55·9	55·9	53·8	51·4	49·9	48·3	49·6	49·1	46·4	47·3	80·19
65·9	71·4	73·2	76·2	75·1	70·8	68·3	65·5	63·6	64·9	65·5	64·6	74·59
71·7	74·7	83·6	83·4	80·1	79·6	75·2	72·2	71·8	71·1	72·1	73·1	66·70
85·3	90·1	89·0	85·5	80·1	78·3	80·8	81·6	79·9	79·9	75·8	75·8	63·82
75·1	80·4	82·6	84·0	81·4	77·9	75·1	68·8	67·5	66·3	66·8	64·8	61·69
71·6	72·1	75·3	75·0	74·2	67·7	64·3	62·0	60·6	59·1	56·3	56·6	68·47
—	—	—	—	—	—	—	—	—	—	—	—	70·30
68·9	66·8	70·2	68·7	70·5	69·6	67·2	63·4	61·3	60·6	59·4	58·6	71·28
60·7	64·4	66·9	66·5	67·6	66·7	66·3	64·6	63·0	58·7	60·9	55·5	—
70·2	74·0	73·6	73·1	72·0	74·6	71·1	68·5	66·4	66·1	66·5	66·5	61·39
67·7	69·7	71·9	75·8	86·2	85·9	75·6	73·7	72·1	68·8	70·4	68·7	62·64
73·8	83·4	65·5	82·4	77·2	77·6	69·0	66·7	65·6	64·9	64·7	64·0	—
66·63	70·41	72·78	72·68	70·82	68·69	64·82	62·10	60·18	59·11	58·99	57·26	62·64

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
63·7	63·8	63·8	64·0	64·7	65·0	65·8	66·4	66·6	67·0	67·0	67·0	65·18
63·8	63·5	63·2	62·8	62·6	62·4	62·0	62·0	61·7	61·5	61·4	61·2	64·08
—	—	—	—	—	—	—	—	—	—	—	—	60·75
59·5	59·6	59·8	60·1	60·2	60·6	61·0	61·5	61·8	62·2	62·4	62·6	62·33
60·2	60·5	60·7	61·2	61·8	62·2	63·0	63·8	64·4	65·0	65·0	65·6	64·76
64·8	64·2	64·0	64·0	63·9	63·9	63·8	63·7	63·6	63·3	63·2	62·8	59·61
58·0	58·0	—	58·2	58·5	58·8	58·8	59·0	59·6	59·7	59·8	60·0	59·62
58·6	58·8	59·0	59·2	59·6	60·0	60·0	60·4	60·6	60·6	60·6	60·6	60·95
59·8	59·8	60·0	60·5	61·0	61·5	61·8	62·3	62·7	63·0	63·3	63·5	62·47
—	—	—	—	—	—	—	—	—	—	—	—	66·41
60·4	60·6	60·8	61·4	61·8	62·4	63·0	63·8	64·4	65·0	65·5	66·0	69·01
65·0	65·0	65·2	65·7	66·2	66·8	67·2	67·7	68·2	68·4	68·7	68·8	70·86
67·4	67·5	67·6	68·0	68·2	68·8	70·0	70·2	70·8	71·5	72·0	72·6	70·05
69·0	69·0	69·2	69·5	70·0	70·6	71·0	71·5	72·0	72·0	72·0	72·0	69·88
68·0	68·0	68·2	68·5	69·1	69·6	70·2	70·8	71·3	71·7	71·9	71·8	68·64
67·7	67·8	68·0	68·2	68·6	69·0	69·5	70·2	70·8	71·2	71·7	72·0	61·2
—	—	—	—	—	—	—	—	—	—	—	—	59·75
68·0	67·8	67·7	67·8	67·7	67·7	67·7	67·7	67·6	67·5	67·4	67·2	57·16
62·7	62·5	62·2	62·1	62·0	61·8	61·6	61·4	61·6	61·6	61·4	61·2	59·12
59·4	59·0	59·0	59·0	59·0	58·9	59·0	59·0	59·0	58·8	58·8	58·6	61·44
56·0	56·0	56·2	56·4	56·5	56·8	57·0	57·3	57·7	58·0	58·0	58·2	62·29
58·4	58·6	58·8	59·0	59·2	59·8	60·0	60·4	60·8	61·2	61·2	61·5	62·51
60·4	60·4	60·8	61·0	61·2	61·5	62·0	62·6	62·8	63·2	63·2	63·6	60·69
—	—	—	—	—	—	—	—	—	—	—	—	59·76
61·1	61·2	61·4	61·4	61·8	62·1	62·3	62·5	62·7	63·0	63·0	63·1	60·75
62·4	62·2	62·0	62·0	61·8	61·8	62·0	62·0	62·2	62·2	62·2	62·4	—
59·8	59·6	59·8	60·0	60·2	60·5	60·5	60·7	60·8	61·0	61·0	61·0	62·25
58·8	58·6	58·7	59·0	59·4	59·4	60·0	60·4	60·4	60·6	60·8	60·8	—
59·8	59·8	59·8	60·0	60·2	60·7	61·0	61·2	61·6	62·0	62·2	62·4	63·25
62·11	62·07	62·33	62·36	62·61	62·90	63·21	63·54	63·83	64·05	64·15	64·26	63·25

VERTICAL FORCE.													
One Scale Division = '000036 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.													
Mean Göttingen Time. } }	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
MARCH.	1	Sc. Div. 64·0	Sc. Div. 63·5	Sc. Div. 63·8	Sc. Div. 62·6	Sc. Div. 62·5	Sc. Div. 62·6	Sc. Div. 64·0	Sc. Div. 63·4	Sc. Div. 62·8	Sc. Div. 61·4	Sc. Div. 68·2	Sc. Div. 66·7
	2	59·7	58·5	46·2	—	—	—	—	—	—	—	—	—
	3	—	—	—	57·4	76·2	70·9	72·1	75·4	73·8	81·1	79·0	82·6
	4	76·0	75·1	74·9	68·8	75·7	66·9	68·8	71·6	80·9	64·6	71·0	78·0
	5	63·5	67·8	68·6	58·0	60·7	62·1	65·8	64·4	63·3	63·3	67·9	68·1
	6	42·5	52·0	51·6	23·8	42·7	49·1	41·5	55·3	56·7	58·4	58·3	61·4
	7	73·0	72·0	—	54·0	66·8	56·8	72·7	51·4	47·7	65·6	65·2	69·1
	8	53·0	52·6	55·1	50·5	—	50·3	57·9	58·3	53·9	50·4	58·2	55·6
	9	55·7	61·4	61·1	—	—	—	—	—	—	—	—	—
	10	—	—	—	62·4	55·7	54·1	61·6	62·0	67·4	62·4	62·0	63·5
	11	72·2	65·7	73·3	74·6	77·1	76·2	76·2	76·9	78·2	78·7	82·4	81·7
	12	77·6	65·4	74·8	76·2	79·2	70·5	71·5	79·1	78·5	77·3	77·9	80·5
	13	76·2	74·3	73·9	78·2	80·5	78·3	78·7	76·3	77·1	77·2	80·6	81·1
	14	82·3	84·0	83·5	85·0	82·5	86·5	86·7	85·9	86·2	82·8	82·0	88·8
	15	82·6	86·7	77·2	84·0	83·7	82·8	82·6	83·3	83·3	83·0	—	84·6
	16	74·5	76·8	79·0	—	—	—	—	—	—	—	—	—
	17	—	—	—	65·8	67·4	66·0	66·6	65·9	65·6	66·3	64·2	66·0
	18	52·2	53·9	52·8	50·4	51·4	52·2	53·0	54·7	56·7	64·5	61·1	61·0
	19	55·4	50·8	51·8	52·3	52·6	53·7	53·3	53·4	53·9	56·0	54·7	57·1
	20	62·0	62·5	69·0	70·1	71·7	71·7	72·4	73·7	73·6	75·7	77·7	81·7
	21	73·3	74·3	74·5	73·6	73·0	72·8	71·9	72·7	73·0	73·4	73·3	77·2
	22	78·9	87·1	87·0	87·0	87·8	87·5	87·6	87·4	87·4	89·9	91·1	89·3
	23	81·7	84·6	84·6	—	—	—	—	—	—	—	—	—
	24	—	—	—	77·9	77·9	78·3	78·3	78·3	78·6	81·0	79·0	79·6
	25	69·4	70·6	71·8	72·6	70·4	71·9	76·4	76·4	76·4	76·0	76·0	75·3
	26	71·1	72·2	73·4	74·5	76·9	75·9	76·7	77·9	77·2	77·2	77·1	76·8
	27	78·8	80·0	—	82·4	76·1	82·2	86·5	72·9	77·9	76·2	79·1	78·2
	28	84·5	84·1	83·3	90·1	81·6	86·1	86·3	90·2	90·2	91·3	88·4	90·5
	29	102·0	98·5	93·5	97·3	99·7	97·9	95·4	96·9	93·9	93·6	101·3	111·5
	30	64·0	75·7	57·6	—	—	—	—	—	—	—	—	—
	31	—	—	—	91·6	90·6	90·7	90·1	99·4	89·4	96·3	89·7	99·7
Hourly Means	70·23	71·16	70·10	70·04	72·82	71·31	72·87	73·20	73·22	73·98	75·02	77·14	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
MARCH.	1	62·4	62·6	62·5	62·6	62·8	62·7	62·7	62·4	62·0	61·8	61·8	61·4
	2	64·0	63·7	63·6	—	—	—	—	—	—	—	—	—
	3	—	—	—	58·5	58·0	57·8	57·2	57·0	56·6	56·3	56·1	55·8
	4	59·0	59·0	59·0	59·0	59·1	59·1	58·9	58·7	58·4	58·0	57·8	57·6
	5	61·8	62·0	62·4	62·7	62·9	63·2	63·1	63·1	63·0	63·0	63·0	63·0
	6	65·4	65·2	65·0	65·0	65·0	64·5	64·2	63·8	63·3	62·6	62·3	61·7
	7	61·0	61·0	—	61·0	60·9	60·9	60·8	60·8	60·8	60·8	60·8	60·8
	8	66·2	66·2	66·2	66·1	—	66·0	65·8	65·3	65·2	65·0	64·8	64·2
	9	64·0	63·8	63·8	—	—	—	—	—	—	—	—	—
	10	—	—	—	64·1	63·8	63·7	63·6	63·3	63·2	62·8	62·8	62·6
	11	60·8	60·4	60·2	60·0	59·8	59·4	59·0	58·8	58·4	58·0	57·8	57·2
	12	59·4	59·4	59·4	59·2	59·0	59·0	58·6	58·2	57·8	57·7	57·5	57·4
	13	58·2	58·2	58·0	58·0	58·2	58·0	57·8	57·6	57·4	57·0	56·7	56·5
	14	56·3	56·0	56·0	56·0	55·8	55·7	55·5	55·4	55·2	55·0	55·0	55·0
	15	56·4	56·4	56·4	56·4	56·6	56·4	56·2	56·0	55·8	55·4	—	55·4
	16	57·6	57·7	57·8	—	—	—	—	—	—	—	—	—
	17	—	—	—	61·0	61·0	61·2	61·4	61·5	61·6	61·6	61·6	61·4
	18	66·0	66·0	66·0	66·0	66·0	65·5	65·2	65·0	64·6	64·3	63·8	63·5
	19	67·6	67·4	67·2	67·0	66·8	66·5	66·3	65·7	65·5	65·2	64·5	64·2
	20	61·4	61·0	60·7	60·4	60·1	59·6	59·2	58·8	58·6	58·0	57·8	57·2
	21	59·4	59·8	60·0	59·7	59·8	59·7	59·6	59·4	59·0	59·0	58·8	58·2
	22	55·6	55·4	55·2	55·0	55·2	55·0	54·7	54·5	54·4	54·4	54·2	54·0
	23	55·7	55·7	55·7	—	—	—	—	—	—	—	—	—
	24	—	—	—	57·8	57·5	57·2	57·2	57·0	56·8	56·5	56·3	56·1
	25	59·2	59·0	59·0	59·0	59·0	58·8	58·8	58·6	58·4	58·0	57·8	57·5
	26	59·0	58·9	58·8	58·8	58·4	58·4	58·0	57·7	57·2	57·0	57·0	56·5
	27	56·4	56·4	—	56·4	56·4	56·4	56·4	56·4	56·3	56·3	56·3	56·5
	28	56·0	55·4	55·0	54·8	54·3	53·7	53·1	52·7	52·2	51·8	51·4	51·2
	29	51·4	51·4	51·4	51·4	51·2	51·0	51·0	51·0	50·8	50·7	50·8	51·1
	30	59·0	59·4	59·4	—	—	—	—	—	—	—	—	—
	31	—	—	—	53·2	53·0	52·8	52·6	52·4	52·8	52·2	52·4	52·3
Hourly Means	59·97	58·40	59·95	59·58	59·22	59·32	59·11	58·89	58·67	58·40	58·36	58·01	

VERTICAL FORCE.												
One Scale Division = '000036 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. '00021.												
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.
63·5	69·1	74·0	77·0	71·6	66·7	59·5	57·6	57·2	64·3	59·7	60·4	64·42
83·3	107·2	93·7	82·6	76·5	75·6	80·1	79·8	81·4	80·3	79·9	76·5	76·24
73·0	—	83·9	—	79·4	73·4	73·4	77·8	80·6	77·9	77·9	63·8	74·25
66·2	70·0	69·6	66·7	61·1	67·1	57·1	51·1	53·2	50·5	50·1	57·5	62·24
72·9	77·5	76·9	72·6	71·5	81·3	79·5	81·0	71·6	72·7	73·9	57·0	61·78
78·0	67·8	65·2	72·5	79·7	60·3	59·5	57·7	67·1	43·9	68·7	56·6	63·97
57·8	60·3	71·7	62·2	62·0	61·1	63·4	59·9	61·2	59·8	58·3	52·7	57·66
61·8	61·8	67·8	64·1	65·3	64·2	62·0	67·3	69·4	70·1	64·4	67·4	63·12
79·6	81·2	79·8	79·0	79·2	77·4	77·9	77·8	76·3	74·6	74·8	72·9	76·82
83·5	81·8	84·5	84·0	86·0	85·7	81·2	77·0	75·9	75·3	75·7	75·9	78·12
82·9	87·5	82·2	91·0	90·4	89·5	85·6	81·2	81·4	79·9	82·0	83·6	81·65
91·3	91·5	90·3	89·6	88·3	86·3	84·8	86·0	85·9	83·7	81·2	80·0	85·63
88·8	91·1	91·8	86·6	82·0	79·0	79·2	78·7	80·2	79·5	78·2	78·4	82·93
69·1	72·5	71·4	70·1	66·0	61·9	56·9	39·6	—	53·9	50·3	51·5	64·67
62·9	64·4	63·8	65·7	65·4	63·9	59·8	61·3	62·1	56·8	48·1	57·8	58·16
60·0	66·3	70·4	72·0	66·6	69·8	66·7	69·5	64·7	62·3	59·8	62·0	59·81
81·1	80·0	80·9	79·4	79·7	77·5	79·2	79·9	75·3	74·4	72·4	71·9	74·73
78·2	80·7	81·7	82·2	81·4	82·7	81·2	83·3	82·1	80·1	82·1	84·2	77·62
88·1	89·1	91·3	89·9	89·9	91·7	89·0	88·2	87·1	86·6	84·8	84·2	87·83
80·5	83·0	85·6	86·5	83·8	79·9	77·1	76·5	72·9	70·3	67·2	67·0	78·75
76·8	78·8	81·1	79·8	78·0	75·3	73·9	74·2	73·7	72·2	70·4	70·8	74·51
78·5	82·1	81·7	80·5	83·9	—	83·4	84·7	84·1	80·0	79·0	78·8	78·42
81·3	94·7	86·0	78·5	77·6	79·5	81·1	80·8	79·9	78·6	80·5	72·2	80·04
91·7	90·7	94·5	100·1	103·3	100·7	104·4	102·9	105·4	106·3	91·0	102·8	93·35
100·4	110·0	104·6	101·6	108·7	89·7	126·2	96·1	92·3	95·6	—	75·1	99·64
92·1	—	91·2	—	99·1	99·7	85·5	96·1	88·4	89·0	88·0	86·9	90·79
77·82	80·80	81·37	79·76	79·86	77·60	77·22	75·62	76·38	73·79	71·94	71·07	74·84

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
61·4	61·2	61·6	61·8	62·2	62·5	62·8	63·2	63·6	63·7	64·0	64·0	62·49
55·8	55·8	56·0	56·2	56·5	56·8	57·0	57·4	57·9	58·2	58·6	58·8	57·90
57·2	—	57·0	—	57·8	58·2	58·7	59·3	60·0	60·3	61·0	61·6	58·85
63·0	63·3	63·7	64·0	64·6	65·0	65·4	65·6	65·8	66·0	65·7	65·7	63·79
61·4	61·0	60·8	60·8	60·8	60·8	60·8	61·0	61·0	61·0	61·0	61·0	62·48
61·0	61·3	61·7	62·2	62·6	63·2	63·7	64·3	64·8	65·1	65·6	66·1	62·23
64·0	63·8	63·8	63·8	63·8	63·8	63·8	63·8	64·0	64·0	64·1	64·1	64·69
62·2	62·0	62·0	62·0	62·0	61·9	61·8	61·6	61·4	61·4	61·4	61·0	62·59
57·2	57·2	57·2	57·4	57·6	58·0	58·4	58·8	59·0	59·2	59·2	59·3	58·68
57·2	57·2	57·2	57·5	57·8	57·8	58·0	58·0	58·1	58·3	58·2	58·2	58·17
56·2	56·2	56·1	56·2	56·4	56·5	56·5	56·5	56·8	56·8	56·5	56·4	57·03
54·8	54·8	54·9	55·0	55·2	55·4	55·8	55·8	56·0	56·2	56·3	56·4	55·56
55·3	55·2	55·2	55·5	55·8	56·0	56·2	56·8	56·8	57·1	57·2	57·4	56·17
61·8	61·8	62·3	63·0	63·3	63·8	64·4	64·8	—	65·6	65·7	65·9	62·08
63·2	63·2	63·3	63·8	64·0	64·8	65·0	65·8	66·3	66·8	67·0	67·2	65·09
64·0	63·8	63·5	63·3	63·2	63·0	62·8	62·7	62·6	62·3	62·2	61·8	64·55
57·3	57·8	57·8	58·0	58·0	58·2	58·2	58·2	58·7	59·0	59·2	59·4	58·86
57·8	57·2	57·0	57·0	56·8	56·8	56·4	56·2	56·2	56·2	56·0	55·8	57·99
53·8	53·8	53·8	54·0	54·0	54·3	54·5	54·7	55·0	55·2	55·4	55·6	54·65
56·0	56·0	56·2	56·6	56·8	57·4	58·0	58·4	58·8	59·0	59·2	59·0	57·12
57·4	57·4	57·4	57·6	58·0	58·2	58·6	58·8	59·0	59·0	59·2	59·2	58·45
56·2	55·8	55·8	55·8	56·0	—	55·8	55·8	56·0	56·0	56·2	56·2	57·01
56·5	56·7	57·2	57·4	57·6	57·8	57·4	57·2	57·2	57·0	56·6	56·2	56·74
51·0	50·6	50·6	50·4	50·4	50·6	50·6	50·8	50·8	51·0	51·0	51·0	52·10
51·6	52·1	52·8	53·5	53·9	54·6	55·4	56·2	57·0	57·6	—	58·8	53·13
52·4	—	52·4	—	52·6	53·1	53·3	53·7	53·7	54·2	54·2	54·0	52·95
57·91	58·13	57·97	58·45	58·37	58·74	58·82	59·05	59·06	59·47	59·63	59·62	58·93

VERTICAL FORCE.												
One Scale Division = '000036 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.												
Mean Göttingen Time. } 0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
APRIL.	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	75.0	87.9	94.8	87.7	88.5	94.6	83.9	86.8	91.1	91.6	97.3
	2	99.1	97.5	96.9	97.1	91.5	93.6	88.2	91.3	85.8	97.7	95.6
	3	100.8	96.0	—	92.5	74.2	90.4	75.6	97.3	78.3	82.9	87.8
	4	76.8	92.9	92.6	92.7	—	91.5	91.5	95.7	—	92.7	93.9
	5	93.2	90.6	88.0	87.4	88.9	92.5	92.0	90.5	—	87.8	88.9
	6	96.5	96.5	98.7	—	—	—	—	—	—	—	—
	7	—	—	—	92.0	101.0	103.0	102.6	102.3	100.5	100.5	101.6
	8	89.0	89.8	91.4	90.7	91.7	92.0	91.2	91.8	95.4	92.2	92.4
	9	84.1	85.4	86.6	88.4	85.2	89.5	89.1	86.1	84.9	84.9	83.5
	10	85.7	79.8	83.3	74.4	78.2	83.3	81.4	81.7	80.4	82.1	81.3
	11	79.1	79.1	78.4	82.1	81.4	80.7	80.8	80.8	80.8	81.0	82.1
	12	79.9	80.3	82.0	82.9	82.6	—	—	—	—	82.5	84.2
	13	81.7	82.0	83.4	—	—	—	—	—	—	—	—
	14	—	—	—	85.1	86.3	86.2	88.0	87.0	86.3	86.4	86.7
	15	89.1	83.8	89.6	91.6	91.6	91.8	91.4	90.3	—	91.2	92.4
	16	91.2	91.4	91.4	93.1	91.9	95.0	91.2	94.6	92.9	93.0	94.2
	17	120.8	—	69.1	56.5	65.0	64.5	47.1	53.6	61.9	68.9	99.7
	18	89.6	92.7	96.4	97.0	96.1	98.7	98.1	97.6	96.1	97.2	96.5
	19	102.6	101.5	100.8	101.5	102.2	102.5	104.2	103.5	99.3	98.4	98.8
	20	95.2	100.3	96.9	—	—	—	—	—	—	—	—
	21	—	—	—	—	98.1	97.6	96.7	96.5	96.3	96.2	93.6
	22	89.5	91.2	90.7	88.4	90.3	89.0	90.3	90.9	87.8	87.7	86.5
	23	89.4	91.5	85.6	88.3	89.8	91.7	90.1	90.1	89.2	88.6	89.3
	24	83.8	84.4	86.8	85.9	86.4	87.2	87.2	87.7	86.4	87.8	87.6
	25	81.0	85.4	80.3	82.8	89.3	87.7	89.9	84.7	78.1	78.4	78.1
	26	59.9	85.2	87.7	84.4	76.0	83.8	77.9	69.8	75.7	80.8	77.7
	27	81.9	90.6	82.2	—	—	—	—	—	—	—	—
	28	—	—	—	93.2	102.8	104.4	103.4	103.5	102.5	103.3	102.2
	29	94.5	86.7	90.5	94.3	89.1	93.4	93.2	95.7	91.3	85.6	88.1
30	83.2	89.1	91.3	90.6	90.6	89.9	95.3	88.1	92.2	87.9	91.6	
Hourly Means	88.45	89.26	89.02	88.02	88.35	90.98	88.81	89.52	87.65	88.74	90.45	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
APRIL.	1	54.0	53.8	53.6	53.2	53.0	53.0	52.8	52.8	52.6	52.3	52.2
	2	53.0	52.8	52.8	52.6	52.8	52.6	52.2	52.2	52.2	52.0	51.7
	3	53.2	53.6	—	53.6	53.7	53.6	53.4	53.0	52.9	52.7	52.4
	4	54.1	54.1	53.9	53.9	—	53.4	53.2	53.0	—	52.0	52.0
	5	54.2	54.4	54.4	54.6	55.0	55.0	55.0	54.8	—	54.2	53.9
	6	52.8	52.8	52.2	—	—	—	—	—	—	—	—
	7	—	—	—	51.3	51.3	51.3	51.2	51.2	51.0	50.8	50.6
	8	54.0	54.0	54.0	54.0	53.8	53.4	53.2	53.0	52.8	52.3	52.1
	9	54.9	55.0	55.0	55.0	55.0	54.7	54.7	54.5	54.2	54.0	54.0
	10	57.4	57.4	57.4	57.4	57.4	57.2	57.0	56.8	56.6	56.4	56.2
	11	57.4	57.4	57.5	57.6	57.6	57.4	57.2	57.0	56.7	56.4	56.2
	12	56.7	56.6	56.5	56.5	56.5	—	—	—	55.5	55.4	55.2
	13	56.0	55.6	55.4	—	—	—	—	—	—	—	—
	14	—	—	—	55.0	55.0	55.0	54.6	54.6	54.2	54.0	53.7
	15	54.0	54.0	53.8	54.0	53.8	53.7	53.6	53.2	—	52.8	52.7
	16	53.4	53.3	53.1	53.0	53.0	53.0	52.8	52.6	52.4	52.2	52.0
	17	53.0	—	53.2	53.4	53.8	53.8	53.8	53.7	53.7	53.6	53.6
	18	52.2	52.0	52.0	52.0	51.7	51.5	51.3	51.2	50.8	50.6	50.3
	19	50.8	50.7	50.7	50.7	50.6	50.7	50.6	50.8	51.0	51.0	50.8
	20	51.8	51.7	51.8	—	—	—	—	—	—	—	—
	21	—	—	—	—	51.9	51.8	51.8	51.8	52.0	51.8	51.8
	22	54.3	54.4	54.5	54.5	54.6	54.4	54.3	54.2	54.0	54.2	54.0
	23	54.6	54.4	54.4	54.4	54.0	54.0	53.5	53.0	52.8	52.6	52.2
	24	55.0	55.0	55.0	55.0	54.9	54.7	54.5	54.2	53.8	53.4	53.4
	25	55.4	55.4	55.4	55.4	55.4	55.3	55.2	55.1	55.0	55.2	55.2
	26	57.2	57.2	57.6	57.8	58.0	57.8	57.8	57.6	57.6	57.0	56.7
	27	54.2	54.0	53.8	—	—	—	—	—	—	—	—
	28	—	—	—	50.0	49.9	49.8	49.6	49.4	49.2	49.0	49.0
	29	52.6	52.8	52.8	53.2	53.2	53.2	53.0	53.0	52.9	52.8	52.8
	30	54.8	54.6	54.4	54.2	54.1	54.0	53.8	53.3	53.2	52.8	52.8
Hourly Means	54.27	54.28	54.21	54.09	54.00	53.77	53.60	53.44	53.35	53.13	52.98	

VERTICAL FORCE.												
One Scale Division = '000036 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fahr. = '00021.												
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.
95°0	95°0	99°2	111°2	99°2	102°5	103°4	101°0	97°3	101°2	83°2	103°5	94°39
92°7	94°7	98°9	100°2	103°1	105°1	102°8	98°4	102°2	99°3	99°9	95°5	96°66
99°2	97°2	99°0	99°6	103°1	96°9	97°7	91°1	90°7	91°8	90°6	91°9	92°10
100°1	97°8	100°1	101°7	100°4	98°3	98°3	98°1	96°1	93°6	93°4	92°9	94°92
95°7	110°8	98°0	100°0	104°3	102°7	92°3	89°6	91°9	91°8	93°4	94°8	93°72
—	—	—	—	—	—	—	—	—	—	—	—	99°05
106°0	107°9	105°0	104°3	—	101°6	99°3	95°1	93°1	90°7	89°1	88°8	93°43
96°6	99°3	107°1	104°2	103°3	100°8	96°6	92°2	88°6	85°1	84°4	82°5	87°22
89°7	92°1	95°5	95°0	93°5	91°7	86°2	82°7	80°2	79°5	82°7	87°3	82°99
84°3	80°5	88°9	89°0	91°2	88°4	88°4	87°1	81°5	82°6	79°5	78°4	82°33
85°8	86°2	86°0	86°2	85°4	87°2	85°9	83°6	82°7	80°0	78°3	79°4	83°89
88°3	89°1	88°9	89°7	86°2	84°6	85°4	83°7	81°4	80°9	80°1	80°3	88°38
—	—	—	—	—	—	—	—	—	—	—	—	92°73
86°8	89°2	90°6	91°4	92°0	94°6	93°5	94°8	96°1	91°8	89°5	86°9	104°64
94°9	94°9	99°6	100°8	97°6	95°8	96°9	97°0	91°3	91°2	89°4	89°6	77°47
104°3	109°6	111°0	109°2	98°8	99°2	120°7	106°8	116°1	137°6	148°1	135°7	99°53
81°4	82°1	74°6	76°9	91°6	85°7	88°3	87°8	88°6	86°9	80°3	86°7	100°95
101°3	100°3	104°8	105°1	105°7	106°1	104°6	103°0	101°5	99°4	98°2	99°9	94°49
99°6	101°0	104°3	104°1	100°7	104°2	106°2	104°1	97°0	97°0	96°7	93°9	88°79
—	—	—	—	—	—	—	—	—	—	—	—	91°05
92°1	94°1	97°5	96°9	96°0	97°1	95°0	92°7	89°1	87°7	88°1	87°8	85°18
86°4	87°6	90°1	92°8	95°3	94°3	91°1	87°6	84°6	82°7	84°3	86°0	82°49
92°1	95°3	99°7	101°1	103°2	97°6	93°8	90°3	87°9	85°3	82°5	82°9	88°12
89°4	93°9	96°5	97°0	96°4	97°3	93°3	87°3	82°2	78°3	80°2	84°1	85°18
99°6	88°0	83°1	84°2	92°3	96°7	88°0	87°4	87°4	84°0	82°4	78°2	82°49
81°4	95°9	87°6	83°6	94°4	—	90°4	89°8	85°3	92°8	84°6	74°1	100°21
—	—	—	—	—	—	—	—	—	—	—	—	91°01
99°4	99°9	101°9	103°4	106°2	112°5	108°8	104°0	103°1	100°4	88°5	97°5	92°01
95°5	91°6	90°5	91°9	99°1	94°8	95°5	91°6	88°1	85°6	85°7	86°4	—
93°8	96°6	96°8	98°9	92°8	100°2	91°2	91°1	89°2	90°7	95°0	92°8	—
93°52	95°02	95°97	96°86	96°87	97°44	95°91	93°00	91°28	91°07	89°54	89°92	91°48

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
52°0	51°8	51°6	51°7	51°8	51°8	52°4	52°4	52°4	52°8	52°8	52°9	52°60
51°5	51°4	51°5	51°7	52°0	52°2	52°4	52°7	52°8	53°0	53°2	53°3	52°34
52°0	52°0	52°2	52°6	52°8	53°2	53°4	53°7	53°9	54°1	54°2	54°0	53°15
51°6	51°5	51°6	52°0	52°0	52°5	52°6	53°0	53°3	53°8	53°8	54°0	52°87
53°6	53°5	53°6	53°6	53°7	53°7	53°6	53°5	53°4	53°3	53°2	53°0	53°96
—	—	—	—	—	—	—	—	—	—	—	—	51°80
50°4	50°4	50°8	51°2	—	52°0	52°2	52°8	53°2	53°6	54°0	54°0	53°18
51°8	51°8	51°8	52°0	52°2	52°6	53°4	53°8	54°1	54°5	55°0	55°0	55°00
53°5	53°8	53°8	54°2	54°7	55°2	55°7	56°3	56°7	57°0	57°2	57°3	56°55
55°7	55°6	55°7	55°7	55°8	55°9	56°0	56°4	56°4	56°8	57°0	57°2	56°57
55°6	55°5	55°6	55°8	56°0	56°0	56°0	56°2	56°6	56°7	56°7	56°7	55°78
54°9	55°0	55°0	55°4	55°5	55°6	56°0	56°0	56°0	56°0	56°0	56°0	54°04
—	—	—	—	—	—	—	—	—	—	—	—	53°08
53°4	53°3	53°3	53°4	53°2	53°2	53°2	53°2	53°4	53°4	53°6	53°7	52°35
52°4	52°2	52°2	52°2	52°4	52°4	52°7	52°8	53°3	53°2	53°4	53°6	53°30
51°7	51°7	51°7	51°7	51°7	51°7	51°8	52°0	52°2	52°3	52°4	52°8	50°87
53°2	53°4	53°5	53°4	53°2	53°2	53°0	53°0	53°0	52°9	52°6	52°4	51°05
50°2	50°0	50°0	50°0	50°2	50°2	50°6	50°7	50°7	50°8	50°8	50°8	52°49
50°7	50°7	51°0	51°1	51°2	51°2	51°4	51°6	51°8	51°8	51°8	51°7	54°22
—	—	—	—	—	—	—	—	—	—	—	—	53°26
52°0	52°0	52°0	52°4	52°8	53°0	53°3	53°6	53°8	54°0	54°2	54°2	54°40
53°7	53°7	53°5	53°5	53°5	54°0	54°4	54°6	54°6	54°8	54°7	54°8	55°52
51°4	51°6	51°7	52°0	52°2	52°8	53°0	53°8	54°0	54°4	54°7	54°9	56°36
53°2	53°3	53°6	53°8	54°0	54°4	54°8	55°0	55°2	55°3	55°5	55°5	50°59
55°1	55°0	54°8	54°8	55°0	55°3	55°8	56°1	56°4	56°8	57°0	57°2	53°33
56°2	55°8	55°7	55°6	55°4	—	55°0	55°0	55°0	54°8	54°7	54°4	53°71
—	—	—	—	—	—	—	—	—	—	—	—	—
48°7	48°8	49°0	49°4	50°0	50°3	50°8	51°4	51°8	52°2	52°3	52°5	—
52°6	52°6	52°8	53°0	53°3	53°8	54°0	54°2	54°5	54°8	54°8	54°7	—
52°6	52°4	52°8	53°0	53°2	53°6	53°8	54°2	54°6	54°7	54°8	55°0	—
52°68	52°65	52°73	52°89	53°11	53°19	53°51	53°77	53°97	54°15	54°25	54°29	53°55

VERTICAL FORCE.													
One Scale Division = '000036 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.													
Mean Göttingen Time. } O ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .		
MAY.	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	88·9	87·4	87·4	87·3	—	87·4	87·9	92·3	85·5	83·0	84·7	88·8
	2	75·2	82·7	83·6	81·2	81·3	80·3	80·9	78·0	78·1	78·1	81·4	87·5
	3	79·8	82·3	83·7	80·6	63·0	76·3	80·6	88·1	—	85·1	84·6	85·0
	4	90·1	89·7	90·6	—	—	—	—	—	—	—	—	—
	5	—	—	—	86·3	85·2	85·2	83·5	81·4	83·0	80·2	80·1	81·8
	6	82·7	73·8	80·6	81·8	78·6	79·0	80·3	79·1	79·0	79·4	79·5	78·0
	7	77·0	79·1	81·2	81·0	80·4	79·8	79·5	79·3	79·3	79·4	76·6	74·0
	8	74·5	76·5	67·0	76·4	79·5	80·5	80·4	75·8	79·0	79·6	81·3	89·8
	9	83·9	83·6	76·0	82·8	84·9	83·1	83·1	84·9	82·7	82·5	83·0	81·3
	10	82·5	82·6	82·5	83·1	83·7	74·6	80·8	81·7	79·9	79·1	79·5	78·5
	11	73·0	74·9	76·6	—	—	—	—	—	—	—	—	—
	12	—	—	—	82·9	84·0	83·8	83·2	83·1	82·4	82·1	82·6	82·0
	13	84·5	84·1	80·9	84·1	84·9	82·6	84·1	84·7	85·4	84·8	84·0	85·0
	14	96·6	93·0	94·8	91·8	83·3	93·1	90·8	90·5	91·2	91·2	91·1	88·4
	15	89·6	90·4	88·0	92·5	90·1	90·8	86·6	87·8	85·8	84·9	86·5	86·6
	16	95·1	93·4	97·1	92·7	98·7	97·9	98·9	98·6	97·2	98·5	97·8	99·2
	17	100·3	100·7	100·9	101·3	101·9	100·5	100·5	100·6	100·8	100·4	100·3	100·5
	18	108·3	109·9	110·7	—	—	—	—	—	—	—	—	—
	19	—	—	—	96·0	97·8	97·4	97·2	96·4	94·0	94·0	91·9	88·5
	20	86·7	87·0	87·0	88·0	87·7	87·5	86·9	86·5	85·6	85·0	83·0	80·6
	21	83·4	87·6	86·1	86·1	84·3	85·4	87·1	87·9	—	84·1	84·9	83·3
	22	88·9	80·5	88·8	88·2	91·2	87·4	85·4	83·3	85·1	83·4	74·5	86·4
	23	79·4	89·8	91·8	86·9	83·1	85·2	89·9	90·2	91·1	86·3	86·2	88·8
	24	93·2	90·8	85·8	94·9	95·1	98·5	94·0	94·4	92·8	92·1	97·4	95·8
	25	85·4	87·6	88·7	—	—	—	—	—	—	—	—	—
	26	—	—	—	98·8	101·3	101·4	101·9	102·7	102·1	99·3	98·5	104·1
	27	96·7	100·2	101·6	102·5	98·3	100·0	100·9	100·0	108·3	97·3	98·8	97·1
	28	104·0	104·7	99·9	104·6	103·8	104·6	103·6	103·6	104·8	105·9	106·3	105·8
	29	106·3	107·4	107·2	108·3	108·3	108·6	108·6	107·7	107·5	109·8	106·3	104·0
	30	99·9	99·9	100·7	100·7	100·7	100·7	—	99·9	99·9	99·5	97·7	97·6
31	94·4	95·1	95·1	95·3	—	95·1	94·3	93·8	93·7	91·2	88·1	87·5	
Hourly Means	88·90	89·43	89·42	90·23	89·64	89·88	89·65	90·09	90·17	88·75	88·39	89·11	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
MAY.	1	54·8	54·8	54·7	54·7	—	54·6	54·4	54·4	54·2	54·2	54·0	54·0
	2	56·8	56·8	56·8	56·8	57·0	57·0	56·8	56·2	56·1	55·9	55·6	55·4
	3	57·0	56·8	56·6	56·4	56·2	56·0	55·7	55·3	—	54·4	54·2	53·6
	4	54·1	54·1	54·1	—	—	—	—	—	—	—	—	—
	5	—	—	—	56·0	56·0	56·0	56·0	56·0	55·8	55·7	55·6	55·3
	6	57·0	57·0	57·0	57·0	57·0	57·0	56·6	56·3	56·4	56·2	55·8	55·8
	7	57·2	57·2	57·2	57·3	57·4	57·4	57·4	57·4	57·2	57·2	57·2	57·2
	8	58·8	58·5	58·2	58·0	57·4	57·2	57·0	56·8	56·3	56·0	55·7	55·5
	9	56·0	55·8	55·8	56·0	56·0	55·8	55·8	55·6	55·4	55·2	55·0	54·9
	10	55·9	56·0	56·2	56·2	56·2	56·2	56·3	56·4	56·4	56·4	56·2	56·0
	11	58·4	58·4	58·4	—	—	—	—	—	—	—	—	—
	12	—	—	—	55·9	55·9	55·8	55·8	55·7	55·4	55·4	55·4	55·2
	13	55·6	55·4	55·3	55·3	55·2	55·0	55·0	55·0	55·0	55·0	54·5	54·2
	14	53·7	53·8	53·8	53·8	54·0	54·0	54·0	53·8	53·5	53·2	53·2	53·0
	15	54·2	54·2	54·2	54·4	54·7	54·7	54·7	54·7	54·8	54·8	54·8	54·8
	16	52·3	52·0	51·7	51·4	51·2	50·8	50·5	50·2	50·0	50·0	49·2	49·0
	17	50·0	50·0	50·0	50·0	50·0	50·0	49·8	49·2	49·0	48·8	48·6	48·4
	18	46·4	46·0	46·0	—	—	—	—	—	—	—	—	—
	19	—	—	—	51·0	51·0	51·2	51·2	51·4	51·3	51·4	51·4	51·3
	20	53·8	53·8	53·8	53·8	54·0	54·0	53·6	53·4	53·3	53·2	53·0	52·8
	21	54·8	54·6	54·4	54·4	54·2	53·9	53·7	53·6	—	53·2	52·8	52·5
	22	54·5	54·5	54·5	54·6	54·5	54·2	54·0	54·0	54·0	53·6	53·2	53·2
	23	54·7	54·6	54·4	54·3	54·0	54·0	54·0	53·6	53·2	53·0	52·6	52·4
	24	52·2	52·1	51·9	51·8	51·8	51·6	51·2	51·0	51·0	51·0	50·6	50·6
	25	53·8	53·8	53·5	—	—	—	—	—	—	—	—	—
	26	—	—	—	49·8	49·8	49·8	49·8	49·8	49·6	49·6	49·6	49·6
	27	50·0	50·0	50·0	50·0	50·1	49·9	49·7	49·6	49·4	49·0	48·8	48·5
	28	49·0	48·9	48·8	48·8	48·8	48·5	48·2	48·2	48·0	47·8	47·4	47·0
	29	47·6	47·6	47·4	47·4	47·2	47·2	47·0	47·0	46·8	46·8	46·8	46·8
	30	50·0	50·0	50·0	50·0	50·1	50·1	—	50·0	49·8	49·8	49·8	50·0
	31	51·7	51·7	51·7	51·7	—	51·8	51·3	51·5	51·8	52·0	52·0	52·0
Hourly Means	53·72	53·64	53·57	53·59	53·59	53·47	53·44	53·19	52·95	52·92	52·70	52·56	

VERTICAL FORCE.

One Scale Division = '000036 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 90·7	Sc. Div. 88·7	Sc. Div. 84·7	Sc. Div. 84·5	Sc. Div. 84·8	Sc. Div. 87·6	Sc. Div. 88·9	Sc. Div. 88·1	Sc. Div. 83·4	Sc. Div. 79·8	Sc. Div. 78·1	Sc. Div. 72·3	Sc. Div. 85·75
89·2	84·2	83·6	85·4	84·7	84·8	89·9	93·0	84·5	81·6	79·2	78·9	82·80
86·4	87·1	90·4	92·0	95·4	96·7	96·8	93·0	90·9	88·3	88·3	89·0	86·23
—	—	—	—	—	—	—	—	—	—	—	—	—
81·8	83·0	83·9	93·3	91·0	86·2	82·5	81·7	81·4	81·8	84·3	80·1	84·50
79·5	81·5	82·0	84·9	88·0	87·8	85·0	92·1	79·2	77·5	77·0	77·3	80·98
74·0	75·6	76·1	74·2	81·6	85·3	86·0	83·6	73·2	73·4	71·7	74·5	78·16
83·0	87·0	84·3	86·6	97·2	87·4	91·4	88·7	87·4	86·7	85·1	87·6	83·03
85·9	85·2	84·4	89·4	90·1	91·5	89·6	87·1	85·3	83·9	83·6	83·1	84·62
77·4	77·8	79·5	83·4	91·2	85·4	81·8	79·8	76·5	75·9	74·2	74·4	80·24
—	—	—	—	—	—	—	—	—	—	—	—	—
83·9	82·2	82·5	82·8	84·1	87·8	88·8	86·4	84·9	82·7	81·5	84·7	82·62
85·6	86·7	88·6	88·7	90·3	90·7	95·2	92·5	84·7	94·8	93·6	100·5	87·54
88·7	85·6	97·8	101·5	95·1	87·0	87·4	93·2	88·5	87·1	84·9	88·0	91·28
86·7	89·9	85·6	86·6	86·7	86·6	86·1	85·6	86·2	86·0	88·4	94·9	87·87
99·9	100·5	101·8	102·6	105·1	105·6	104·6	102·7	99·9	97·9	97·5	97·8	90·88
101·6	108·7	107·4	106·1	109·3	109·6	108·2	106·8	106·3	107·9	105·9	107·1	103·90
—	—	—	—	—	—	—	—	—	—	—	—	—
88·3	89·3	91·9	91·6	95·7	96·0	95·7	91·3	87·7	85·2	85·8	86·1	94·45
79·9	82·7	84·3	87·3	88·1	88·1	86·9	84·0	82·3	80·9	80·5	81·8	84·93
92·4	90·7	86·8	88·8	92·5	94·7	91·0	88·6	83·5	82·0	81·1	81·2	86·67
88·3	122·0	90·5	86·3	88·2	110·7	94·8	85·4	72·8	88·9	84·0	67·7	87·61
—	91·4	93·1	95·5	96·2	98·3	96·8	94·8	91·4	95·8	91·8	93·9	90·77
95·2	99·0	100·7	103·3	96·4	94·4	94·8	91·5	87·6	86·7	88·8	88·2	93·81
—	—	—	—	—	—	—	—	—	—	—	—	—
102·2	100·1	101·3	105·7	108·5	108·5	108·2	107·4	101·1	98·0	98·0	100·5	100·47
99·8	102·8	107·6	109·5	109·2	—	107·6	107·6	103·3	—	104·3	104·5	102·63
105·5	—	108·0	107·4	109·8	110·6	109·7	107·9	108·0	106·7	106·0	106·3	105·98
103·9	104·3	103·6	103·6	103·6	105·9	107·0	109·9	110·7	111·7	106·1	100·8	106·71
95·3	95·1	96·6	99·3	101·2	102·1	99·4	97·8	95·8	94·5	93·7	93·7	98·33
88·7	88·3	88·8	88·6	90·1	91·2	91·7	90·9	89·7	87·7	87·5	88·6	91·10
89·76	91·13	91·33	92·92	94·60	91·17	94·29	93·01	89·12	88·57	88·18	88·28	90·11

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

54·2	54·3	54·6	55·0	55·4	55·6	56·0	56·4	56·4	57·0	56·9	56·8	55·10
55·4	55·2	54·8	55·8	56·0	56·2	56·8	57·0	57·0	57·1	57·0	57·0	56·35
53·4	53·2	52·8	52·8	52·8	53·0	53·0	53·3	53·6	53·7	53·9	54·0	54·42
—	—	—	—	—	—	—	—	—	—	—	—	—
55·2	55·2	55·5	56·0	56·0	56·6	56·8	57·0	57·0	57·0	57·2	57·2	55·89
55·8	55·5	55·6	55·7	55·9	56·2	56·3	56·7	57·0	57·0	57·2	57·2	56·47
57·2	57·2	57·5	57·8	58·4	58·6	58·8	59·0	59·2	59·2	59·2	59·1	57·85
55·2	55·0	55·0	55·0	55·0	55·0	55·0	55·0	55·6	55·8	55·8	55·8	56·19
54·9	54·6	54·8	54·4	54·5	54·7	54·8	55·0	55·2	55·5	55·8	56·0	55·31
56·0	56·1	56·3	56·8	57·2	57·6	58·0	58·4	58·6	58·8	58·8	58·7	56·90
—	—	—	—	—	—	—	—	—	—	—	—	—
55·2	55·0	55·0	55·2	55·3	55·5	55·5	55·5	55·6	55·5	55·8	55·8	55·86
54·0	53·8	53·7	53·6	53·4	53·2	53·2	53·5	53·5	53·8	53·8	53·8	54·32
52·8	52·8	52·8	53·1	53·2	53·4	53·7	53·8	53·8	53·9	54·0	54·0	53·55
55·0	55·0	55·0	55·0	54·8	54·7	54·3	54·0	53·8	53·4	53·0	52·7	54·40
49·0	48·8	48·7	48·8	48·8	49·0	49·2	49·3	49·8	50·0	49·9	50·0	49·98
48·2	48·0	47·8	47·8	47·8	47·6	47·2	47·0	46·9	46·7	46·6	46·4	48·37
—	—	—	—	—	—	—	—	—	—	—	—	—
51·4	51·4	51·8	52·0	52·0	52·2	52·5	52·8	53·0	53·2	53·5	53·6	51·21
52·8	52·8	53·2	53·3	53·8	54·0	54·0	54·6	54·8	55·0	55·0	55·0	53·78
52·4	52·4	52·4	53·0	53·0	53·3	53·7	53·9	54·1	54·3	54·4	54·4	53·63
53·2	53·1	53·3	53·7	53·8	54·0	54·2	54·5	54·6	54·8	55·0	55·0	54·08
—	51·8	51·8	51·8	52·0	52·0	52·0	52·0	52·3	52·3	52·2	52·2	52·92
50·6	51·0	51·0	51·6	51·4	51·3	52·8	53·1	53·6	53·8	53·8	54·0	51·87
—	—	—	—	—	—	—	—	—	—	—	—	—
49·5	49·5	49·8	49·8	50·0	50·0	50·0	50·0	50·0	50·2	50·2	50·0	50·31
48·0	48·0	48·0	48·0	48·0	—	48·6	48·7	48·8	—	49·0	49·0	49·05
46·8	—	46·8	47·0	47·2	47·3	47·5	47·7	47·8	48·0	47·8	47·8	47·87
46·9	47·2	47·7	48·0	48·4	49·0	49·0	49·2	49·6	49·8	49·8	50·0	47·92
50·0	50·0	50·0	50·2	50·6	50·7	51·0	51·2	51·3	51·5	51·6	51·7	50·41
52·1	52·2	52·3	52·6	52·7	53·0	53·2	53·3	53·5	53·8	53·8	53·8	52·41
52·51	52·66	52·52	52·73	52·87	53·22	53·23	53·40	53·57	53·89	53·74	53·74	53·23

VERTICAL FORCE.												
One Scale Division = '000036 parts of the V.F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.												
Mean Göttingen Time. } 0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
JUNE.	Sc. Div. 91'3	Sc. Div. 89'0	Sc. Div. 87'3	—	—	—	—	—	—	—	—	—
	—	—	—	84'3	88'0	87'2	94'3	93'8	92'2	91'3	90'3	89'4
	85'8	86'9	87'4	87'9	87'9	88'0	88'3	89'0	89'3	89'5	88'7	88'3
	93'2	94'1	94'5	95'2	92'3	94'6	94'1	93'6	93'1	91'0	92'2	88'7
	87'9	88'4	87'9	89'5	89'8	90'4	91'8	91'7	92'9	92'4	89'8	90'1
	97'5	98'2	98'6	99'0	98'8	99'5	98'3	97'5	95'4	96'4	95'0	94'2
	96'2	98'8	96'6	97'0	99'4	95'6	96'5	95'9	95'9	95'5	95'2	94'8
	92'7	92'6	92'5	—	—	—	—	—	—	—	—	—
	—	—	—	91'8	93'2	93'8	92'9	93'5	94'3	95'4	94'3	94'6
	93'7	98'4	98'5	97'4	96'9	96'5	95'9	95'5	95'7	96'1	96'1	96'5
	100'1	99'2	99'2	100'9	98'2	99'9	100'2	100'4	100'7	102'5	102'6	102'8
	103'3	102'9	103'2	104'5	103'9	103'6	103'0	101'9	101'1	101'1	100'0	100'2
	103'6	102'9	102'7	103'0	104'2	103'8	103'6	102'9	102'8	103'1	102'7	102'8
	107'5	105'8	106'9	107'0	—	106'2	106'1	106'8	—	—	105'6	105'9
	105'9	107'3	106'5	—	—	—	—	—	—	—	—	—
	—	—	—	104'3	103'7	104'9	103'7	103'7	100'7	101'3	101'1	99'5
	106'8	110'9	106'3	110'3	103'4	107'6	109'5	109'0	102'9	100'9	102'0	102'9
	109'2	108'5	109'0	105'9	105'9	107'0	107'8	104'1	104'0	104'3	100'5	105'1
	106'2	106'7	107'7	110'0	108'8	108'6	108'2	107'1	—	108'0	107'7	105'0
	105'4	104'9	107'1	107'8	108'4	107'5	109'1	107'5	106'6	106'2	109'0	108'9
	122'2	119'2	118'9	118'9	—	114'6	116'5	114'0	111'7	107'4	111'4	109'9
	106'8	106'4	106'3	—	—	—	—	—	—	—	—	—
	—	—	—	96'8	97'4	98'4	96'3	96'2	95'8	95'2	96'0	94'0
	106'0	107'9	109'2	107'9	108'9	106'5	107'7	108'7	108'0	107'7	107'7	107'2
	111'5	112'0	112'0	112'5	111'5	111'1	108'0	109'5	109'0	108'6	107'3	105'6
	103'2	103'5	103'8	103'2	100'1	100'1	100'0	100'0	100'4	101'0	97'5	97'5
	98'7	98'7	99'6	99'8	99'9	—	99'8	98'8	98'1	98'4	99'4	98'9
	103'1	104'3	104'8	105'3	104'9	105'1	104'8	103'2	103'5	104'3	105'1	103'0
	113'2	117'0	115'3	—	—	—	—	—	—	—	—	—
	—	—	—	116'6	115'5	118'3	112'9	113'1	114'5	115'1	112'7	112'2
Hourly Means	101'58	101'98	101'94	102'09	100'25	101'33	101'52	101'01	99'73	99'90	99'88	99'41
TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
JUNE.	53'8	53'8	53'7	—	—	—	—	—	—	—	—	—
	—	—	—	52'3	52'5	52'6	52'6	52'6	52'6	52'6	52'6	52'5
	54'9	54'6	54'4	54'3	54'0	53'8	53'5	53'2	53'0	52'6	52'2	52'0
	52'0	52'0	52'2	52'2	52'4	52'4	52'4	52'2	52'3	52'3	52'3	52'4
	54'0	53'8	53'3	53'0	52'8	52'6	52'2	51'8	51'4	51'2	50'8	50'4
	50'1	50'0	49'9	49'9	50'0	49'8	50'0	50'0	50'0	50'2	50'2	50'2
	51'4	51'2	51'0	51'2	51'2	51'0	50'8	50'8	50'5	50'3	50'3	50'3
	52'0	52'0	52'2	—	—	—	—	—	—	—	—	—
	—	—	—	52'0	51'8	51'6	51'4	51'2	51'0	50'8	50'5	50'2
	50'7	50'6	50'6	50'6	51'0	50'6	50'2	50'2	50'0	49'6	49'3	49'1
	50'0	50'0	49'8	49'8	49'5	49'3	49'0	48'8	48'4	48'0	47'8	47'5
	48'2	48'3	48'3	48'4	48'4	48'3	48'2	48'2	48'0	48'0	48'0	48'0
	49'2	49'0	48'8	48'8	49'0	48'8	48'2	48'0	47'8	47'6	47'6	47'3
	47'8	47'8	47'8	47'6	—	47'2	47'0	46'8	—	—	46'0	45'8
	47'1	47'2	47'2	—	—	—	—	—	—	—	—	—
	—	—	—	48'6	48'4	48'0	48'0	47'8	47'7	47'6	47'4	47'2
	47'0	47'0	47'0	47'0	47'0	47'0	47'0	47'0	46'8	46'4	46'2	46'2
	47'6	47'6	47'6	47'7	47'5	47'5	47'6	47'5	47'4	47'4	47'2	47'0
	46'2	46'4	46'4	46'4	46'6	46'6	46'6	46'4	—	46'1	46'0	46'2
	47'4	47'0	46'7	46'3	46'2	46'0	45'9	45'8	45'5	45'4	45'2	45'0
	43'4	43'3	43'3	43'4	—	43'6	43'7	43'8	44'0	44'2	44'6	44'6
	46'8	46'8	47'0	—	—	—	—	—	—	—	—	—
	—	—	—	50'4	50'3	50'2	50'1	50'0	49'8	49'6	49'2	48'8
	46'5	46'2	45'8	45'8	45'5	45'2	45'2	45'0	45'0	45'0	44'6	44'2
	45'0	44'8	45'0	45'2	45'6	45'6	45'6	45'6	45'5	45'3	45'3	45'3
	48'0	48'0	48'0	48'4	48'8	48'5	48'5	48'2	48'8	48'8	48'8	48'8
	49'2	49'2	49'2	49'0	49'0	—	48'6	48'4	48'0	48'0	47'8	47'4
	47'0	46'8	46'9	47'0	47'0	46'8	46'4	46'2	46'0	46'0	45'8	45'6
	45'0	45'0	45'0	—	—	—	—	—	—	—	—	—
	—	—	—	43'8	43'8	43'8	43'8	43'8	44'0	44'0	44'0	44'0
Hourly Means	48'97	48'89	48'84	48'97	49'29	48'83	48'70	48'56	48'61	48'39	48'15	48'00

* Not included in the means.

VERTICAL FORCE.												
One Scale Division = '000036 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.												
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.
85.7	82.7	84.6	86.1	92.0	91.1	88.9	87.0	83.9	83.5	83.6	83.7	88.38
89.4	91.4	—	98.8	98.6	99.6	98.1	94.2	92.6	91.1	91.0	91.7	91.02
88.4	89.1	90.0	91.7	92.4	91.5	87.7	86.2	84.1	84.1	85.0	85.5	90.51
93.8	94.7	97.4	99.8	102.0	—	98.6	95.0	94.5	94.4	96.0	97.0	93.30
95.4	98.5	98.8	97.0	95.5	95.7	92.4	90.1	88.2	89.1	87.9	90.7	95.32
96.9	96.8	96.8	98.0	99.6	99.4	99.0	96.7	96.2	95.2	92.7	93.1	96.58
—	—	—	—	—	—	—	—	—	—	—	—	—
94.7	96.2	96.0	97.6	97.9	101.1	96.5	96.5	96.2	93.8	93.7	93.8	94.82
96.3	95.9	98.9	110.1	104.4	101.6	100.5	99.6	98.7	97.9	101.7	101.7	98.52
104.0	103.6	103.8	106.4	110.3	110.5	108.5	105.7	103.8	104.3	102.6	102.9	103.05
100.2	101.2	102.8	103.7	106.3	109.4	109.4	105.0	103.9	103.0	106.6	106.9	103.63
101.8	103.0	106.3	104.4	107.2	107.2	107.6	105.8	104.7	103.4	102.9	103.6	104.00
105.7	109.3	110.7	112.8	111.6	112.6	109.6	107.5	104.6	103.9	105.0	105.3	107.45
—	—	—	—	—	—	—	—	—	—	—	—	—
103.5	107.9	104.9	110.0	108.7	114.7	108.1	106.6	104.9	108.9	105.4	105.4	105.48
104.2	107.8	110.0	106.3	114.6	116.5	115.1	110.9	103.0	—	106.5	102.9	107.40
105.3	101.8	103.5	106.5	113.1	113.3	110.4	109.1	108.5	104.7	105.3	105.7	106.60
104.2	105.8	108.3	109.1	109.5	109.3	—	107.6	104.3	104.4	105.2	104.9	107.12
104.4	103.5	109.7	114.2	116.6	114.7	113.1	113.9	114.3	118.1	122.1	120.6	110.57
110.6	111.0	114.1	114.1	113.5	113.4	112.5	108.4	108.7	107.5	106.8	107.8	112.74
—	—	—	—	—	—	—	—	—	—	—	—	—
96.6	99.5	97.9	95.7	97.1	105.0	103.3	101.7	100.8	102.0	103.8	104.0	99.71
107.2	108.5	109.5	110.8	112.4	113.5	113.8	113.8	113.2	112.6	113.2	112.5	109.77
106.2	107.2	109.4	113.1	110.3	110.4	109.4	107.1	107.6	106.2	108.5	104.0	109.08
98.3	97.4	96.5	96.5	104.0	105.8	103.3	101.5	—	97.8	97.9	97.9	100.31
100.7	101.2	103.2	104.8	106.5	108.2	108.3	105.2	103.0	102.4	103.5	103.0	101.74
102.2	106.1	106.6	108.6	113.8	112.2	113.9	113.2	111.0	109.7	121.5	121.5	107.99
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
99.82	100.84	102.60	104.00	105.75	106.81	104.70	102.85	101.33	100.78	102.02	101.92	101.84

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
52.8	52.8	53.0	53.2	53.7	54.0	54.3	54.7	55.0	55.2	55.2	55.1	53.47
51.6	51.5	—	51.3	51.3	51.5	51.7	51.8	52.0	52.0	52.0	52.1	52.67
52.4	52.7	53.0	53.4	54.0	54.2	54.2	54.4	54.6	54.6	54.4	54.2	53.05
50.2	50.2	50.0	50.0	50.0	—	50.1	50.1	50.1	50.2	50.2	50.2	51.25
50.3	50.5	50.8	51.0	51.2	51.4	51.4	51.6	51.6	51.6	51.4	51.4	50.60
50.2	50.2	50.2	50.2	50.4	50.8	50.8	51.0	51.0	51.4	51.4	51.8	50.81
—	—	—	—	—	—	—	—	—	—	—	—	—
50.0	49.8	50.0	50.2	50.2	50.4	50.6	50.6	51.0	51.0	51.0	51.0	50.94
48.8	48.8	48.8	48.8	49.0	49.2	49.6	49.8	49.7	49.8	49.8	49.8	49.77
47.3	47.2	47.2	47.2	47.4	47.4	47.8	48.0	48.1	48.2	48.2	48.2	48.34
47.8	47.8	48.0	48.2	48.4	48.6	48.8	49.0	49.2	49.2	49.3	49.2	48.38
47.2	47.2	47.0	47.0	47.0	47.2	47.4	47.6	47.8	47.8	47.8	47.8	47.87
45.5	45.5	45.5	45.6	46.0	46.2	46.5	46.7	46.8	47.0	47.1	47.2	46.64
—	—	—	—	—	—	—	—	—	—	—	—	—
47.0	46.8	47.0	47.0	47.0	47.0	47.0	47.0	46.8	46.9	47.0	46.8	47.31
46.0	46.0	46.0	46.0	46.0	46.2	46.3	46.6	46.8	—	47.2	47.3	46.61
46.7	46.6	46.2	46.2	46.4	46.6	46.6	46.8	46.6	46.8	46.7	46.7	47.02
46.2	46.6	46.8	47.0	47.2	47.3	—	47.3	47.5	47.4	47.4	47.4	46.72
44.8	44.4	44.2	44.0	44.0	43.9	43.8	43.8	43.8	43.6	43.8	43.6	45.00
44.5	44.6	44.8	45.0	45.2	45.4	45.6	45.8	46.0	46.4	46.4	46.7	44.71
—	—	—	—	—	—	—	—	—	—	—	—	—
48.7	48.2	48.2	48.0	47.8	47.7	47.3	47.2	47.2	47.0	47.0	47.0	48.35
44.0	44.0	43.8	44.0	44.2	44.4	44.4	44.6	44.8	45.0	44.8	44.8	44.87
45.5	45.6	46.0	45.8	46.0	46.2	46.2	46.8	47.0	47.4	47.5	47.8	45.90
48.8	48.8	49.0	49.0	49.0	49.2	49.2	49.2	—	49.4	49.2	49.2	48.77
47.0	46.8	46.4	46.4	46.5	46.8	47.0	47.0	47.0	47.0	47.2	47.0	47.65
45.3	45.2	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.75
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
47.86	47.78	47.69	47.90	48.04	48.11	48.77	48.43	48.50	48.69	48.63	48.64	48.45

VERTICAL FORCE.													
One Scale Division = '000036 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.													
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	120·8	121·4	122·5	123·3	124·2	123·5	123·9	124·3	123·4	124·3	124·3	122·0
	2	121·5	120·7	120·4	120·1	120·4	118·3	118·3	118·6	117·9	117·2	114·7	112·6
	3	110·7	110·6	109·4	110·4	109·4	110·2	109·9	108·1	108·2	107·9	107·2	105·1
	4	107·7	108·2	110·9	—	112·8	114·8	—	113·3	111·1	112·3	111·7	110·5
	5	116·8	117·5	117·9	118·2	—	118·6	118·0	116·9	—	115·8	114·2	113·0
	6	120·6	122·1	121·2	—	—	—	—	—	—	—	—	—
	7	—	—	—	117·7	115·6	115·6	119·0	123·3	107·5	112·9	114·1	100·3
	8	122·5	123·5	120·9	108·8	113·9	114·3	123·4	121·5	113·4	118·1	116·8	119·6
	9	114·1	114·9	115·3	115·8	115·4	113·4	115·8	115·9	114·8	115·9	116·4	116·2
	10	122·0	121·7	124·0	124·1	122·2	122·1	123·0	122·2	119·7	119·3	119·0	116·6
	11	115·9	115·8	112·8	114·6	114·5	113·5	112·5	112·5	112·5	112·6	112·5	111·0
	12	114·4	115·4	115·6	116·3	116·3	115·3	111·8	111·4	—	114·4	112·7	111·5
	13	113·9	111·4	112·6	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	114·7	114·1	114·1	114·8	115·6	115·6	114·1	111·7
	15	115·1	115·8	114·9	116·3	116·9	117·8	113·9	118·2	119·7	118·7	116·0	113·9
	16	119·0	118·8	119·5	119·4	118·7	119·6	118·4	117·9	117·2	114·9	114·3	113·4
	17	114·9	114·0	115·3	115·6	115·7	114·5	114·5	114·5	113·7	113·9	112·9	114·5
	18	110·3	110·5	112·3	111·8	108·3	—	—	114·6	113·7	113·9	113·2	111·4
	19	117·1	118·2	118·2	118·0	119·3	119·3	120·5	119·1	118·5	116·8	117·1	117·8
	20	123·5	122·5	122·3	—	—	—	—	—	—	—	—	—
	21	—	—	—	126·2	126·5	126·5	126·0	126·0	—	124·5	124·5	121·7
	22	124·7	125·2	124·9	123·8	122·6	122·6	122·5	122·5	121·5	120·8	120·1	118·3
	23	117·8	117·1	117·5	119·3	119·3	119·7	120·7	119·7	118·3	116·1	117·9	116·0
	24	117·5	119·5	120·4	121·0	122·6	118·9	120·6	120·3	120·6	120·7	119·4	118·0
	25	126·4	115·3	124·7	119·3	121·5	106·4	113·5	115·0	121·2	103·7	108·1	107·7
	26	109·7	113·9	113·4	114·6	112·5	115·7	114·4	115·2	114·1	114·5	114·8	114·7
	27	120·0	122·9	115·7	—	—	—	—	—	—	—	—	—
	28	—	—	—	109·6	121·8	120·2	122·2	121·3	118·9	116·0	114·3	115·5
	29	112·5	112·8	114·9	115·6	117·6	116·1	115·2	117·4	114·0	113·7	112·8	111·8
	30	115·4	115·5	114·8	114·0	114·5	114·6	114·9	114·4	113·8	114·2	114·3	111·7
	31	117·4	118·1	110·1	104·1	116·1	117·9	119·2	119·2	120·3	117·7	115·5	116·5
Hourly Means	117·12	117·16	117·13	116·72	117·43	117·06	117·85	117·71	116·23	115·80	115·28	113·81	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
JULY.	1	45·6	45·4	45·2	45·0	44·8	44·6	44·5	44·0	44·0	43·7	43·6	43·3
	2	46·0	46·0	46·2	46·6	46·7	46·9	47·2	47·3	47·4	47·4	47·2	47·8
	3	50·0	50·0	50·0	50·0	50·0	50·0	49·8	49·8	49·8	49·6	49·2	49·0
	4	49·8	49·4	49·4	—	49·0	48·5	—	48·0	47·4	47·2	46·8	46·6
	5	46·6	46·4	46·6	46·6	—	46·6	46·6	46·6	—	46·5	46·4	46·4
	6	45·4	45·2	45·1	—	—	—	—	—	—	—	—	—
	7	—	—	—	45·2	45·6	46·0	46·0	46·2	46·6	46·7	46·9	47·1
	8	47·6	47·3	47·2	47·0	46·7	46·6	46·4	46·2	46·0	45·8	45·8	45·8
	9	48·4	48·4	48·4	48·0	48·0	47·6	47·4	47·2	47·0	46·6	46·3	46·0
	10	45·2	45·4	45·4	45·4	45·8	46·0	46·0	46·0	45·8	45·9	45·9	46·0
	11	48·2	48·4	48·4	48·4	48·2	48·2	48·2	48·0	47·8	47·8	47·8	47·6
	12	47·6	47·6	47·6	47·6	47·5	47·5	47·4	47·4	—	47·8	47·6	47·6
	13	48·7	48·7	48·8	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	47·6	47·4	47·3	47·2	47·2	46·8	46·8	46·8
	15	46·8	46·8	46·7	46·5	46·2	46·0	45·8	45·6	45·6	45·5	45·2	45·0
	16	45·8	45·8	45·8	45·8	46·0	46·0	46·0	46·0	45·7	45·7	45·7	45·7
	17	47·0	47·2	47·2	47·2	47·2	47·2	47·2	47·0	47·0	47·2	47·1	47·0
	18	49·1	49·0	48·8	48·6	48·4	—	—	47·2	47·0	47·0	46·8	46·4
	19	46·6	46·4	46·4	46·1	46·0	46·0	45·6	45·2	45·0	44·9	44·7	44·5
	20	44·0	44·0	44·0	—	—	—	—	—	—	—	—	—
	21	—	—	—	43·0	43·0	43·0	43·0	42·8	—	42·6	42·8	42·2
	22	44·0	44·2	44·2	44·2	44·2	44·0	44·0	44·0	44·1	44·0	44·0	44·0
	23	46·0	46·0	46·0	45·8	45·5	45·3	45·2	45·0	45·0	44·7	44·5	44·5
	24	45·2	45·1	45·0	44·9	44·8	44·6	44·4	44·2	44·0	44·0	43·5	43·6
	25	47·1	47·2	47·4	47·5	47·5	47·7	47·8	48·0	48·0	48·2	48·4	48·4
	26	48·8	48·4	48·0	48·0	47·6	47·4	47·2	47·0	46·6	46·4	46·3	46·2
	27	47·5	47·3	47·2	—	—	—	—	—	—	—	—	—
	28	—	—	—	46·8	47·0	47·0	47·0	47·0	46·8	46·9	46·9	46·9
	29	48·6	48·4	48·2	48·0	47·8	47·7	47·6	47·3	47·4	47·2	47·0	46·8
	30	47·8	47·8	47·8	47·8	47·7	47·4	47·4	47·2	47·2	47·0	47·0	46·8
	31	46·9	46·6	46·4	46·4	46·0	46·0	46·0	45·5	45·0	44·7	44·3	44·0
Hourly Means	47·05	46·98	46·94	46·66	46·72	46·58	46·44	46·40	46·39	46·22	46·09	46·00	

VERTICAL FORCE.
One Scale Division = '000036 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fahr. = '00021.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 121'2	Sc. Div. 127'0	—	Sc. Div. 126'0	Sc. Div. 126'5	Sc. Div. 129'7	Sc. Div. 128'3	Sc. Div. 125'2	Sc. Div. 122'1	Sc. Div. 122'8	Sc. Div. 122'9	Sc. Div. 122'2	Sc. Div. 123'91
113'0	113'6	113'3	113'4	114'3	115'9	114'9	111'7	108'5	107'8	108'6	108'4	115'17
104'5	105'4	106'8	110'0	107'9	110'2	110'9	110'8	108'7	107'7	105'6	106'3	108'41
111'1	113'0	117'3	121'2	121'0	120'7	119'1	117'9	117'9	117'9	117'3	117'0	114'76
114'9	115'5	115'8	118'8	122'5	123'1	121'6	118'4	116'8	118'5	119'2	119'4	117'80
—	—	—	—	—	—	—	—	—	—	—	—	—
108'9	119'2	118'3	117'0	115'7	114'7	114'6	119'3	115'2	117'5	123'2	118'9	116'35
117'2	116'9	117'4	116'3	124'4	124'5	120'0	123'9	118'9	115'8	120'0	110'7	118'44
115'6	118'7	121'8	126'6	129'1	126'7	126'6	123'7	120'9	121'9	125'2	123'3	119'33
114'3	117'2	117'2	120'9	121'4	119'7	116'9	114'7	114'2	114'1	—	117'9	119'32
109'3	110'0	113'5	114'4	120'2	120'2	120'9	118'0	117'6	118'0	115'9	114'9	114'73
110'0	111'0	112'6	112'6	—	120'7	119'9	118'7	110'8	112'9	113'0	119'3	114'40
—	—	—	—	—	—	—	—	—	—	—	—	—
112'0	114'5	114'5	115'7	117'9	116'5	113'2	112'5	113'2	116'5	115'2	115'0	114'32
113'8	117'7	123'6	122'8	123'3	124'4	123'9	121'8	119'1	118'2	116'9	118'0	118'36
114'9	119'8	123'9	122'1	120'5	119'5	118'6	115'5	113'1	113'7	114'4	119'6	117'78
110'2	112'2	116'9	117'3	116'9	114'7	110'1	108'2	104'9	111'0	113'7	110'2	113'34
112'9	115'8	120'4	121'1	123'5	123'9	121'2	114'8	112'7	112'6	113'8	115'5	114'92
119'1	121'4	124'9	125'6	128'2	124'4	122'6	120'3	120'0	120'0	120'9	120'3	120'32
—	—	—	—	—	—	—	—	—	—	—	—	—
121'0	123'0	125'8	128'2	131'3	133'0	130'8	126'4	124'8	124'0	123'0	123'4	125'43
118'8	120'0	124'6	128'4	128'3	126'7	123'8	120'0	117'9	116'3	118'0	118'1	122'10
116'2	120'5	123'0	125'3	123'6	122'9	120'2	118'9	117'3	117'0	115'8	116'1	119'01
117'4	118'1	115'0	114'8	114'1	112'8	118'9	121'7	130'3	130'0	135'5	125'1	120'55
107'7	107'7	111'1	115'1	114'4	121'2	118'7	118'9	119'4	108'4	113'8	111'5	114'61
116'6	118'6	121'6	121'0	121'2	122'0	122'0	120'5	118'5	123'2	121'7	120'3	117'28
—	—	—	—	—	—	—	—	—	—	—	—	—
116'3	118'7	122'7	120'7	116'3	118'3	116'3	118'1	113'5	112'6	112'0	112'2	117'34
110'9	111'4	113'0	116'5	119'9	118'1	116'9	115'2	114'7	114'9	113'9	115'3	114'79
112'6	114'8	119'6	123'8	122'4	121'6	123'5	125'5	119'0	115'3	114'8	116'5	116'73
116'5	120'2	118'5	120'3	123'7	127'7	127'0	126'1	121'6	120'4	119'3	119'8	118'90
113'96	116'37	118'20	119'85	121'10	121'25	120'05	118'77	116'73	116'63	117'45	116'86	117'35

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

43'2	43'0	—	43'2	43'8	44'0	44'0	44'6	44'7	45'0	45'2	45'6	44'35
48'0	48'0	48'4	48'6	48'7	49'0	49'2	49'4	49'6	49'8	49'8	49'9	47'96
49'0	49'2	49'2	49'2	49'4	49'7	49'8	50'0	50'0	50'0	50'0	50'0	49'70
46'4	46'0	46'2	46'0	46'0	46'0	46'0	46'0	46'2	46'4	46'4	46'4	47'09
46'6	46'5	46'4	46'5	46'3	46'2	46'1	46'1	45'9	45'8	45'6	45'6	46'31
—	—	—	—	—	—	—	—	—	—	—	—	—
47'0	47'2	47'5	47'7	48'0	48'0	48'0	48'0	48'0	47'9	47'8	47'7	46'87
46'0	46'0	46'4	46'5	46'6	47'0	47'6	47'9	48'1	48'4	48'4	48'4	46'90
45'6	45'4	45'0	45'0	44'9	44'8	44'7	44'8	44'8	45'0	45'1	45'2	46'23
46'0	46'2	46'2	46'5	47'0	47'2	47'4	47'6	48'0	48'0	—	48'2	46'40
47'4	47'5	47'5	47'4	47'4	47'4	47'5	47'5	47'5	47'6	47'6	47'7	47'79
47'4	47'5	47'5	47'7	—	48'0	48'0	48'2	48'2	48'5	48'6	48'6	47'79
—	—	—	—	—	—	—	—	—	—	—	—	—
46'8	46'5	46'5	46'5	46'6	46'7	46'7	46'7	46'7	46'8	46'8	46'8	47'10
45'0	44'8	44'8	45'0	45'0	45'0	45'2	45'4	45'6	45'4	45'7	45'7	45'60
45'6	45'6	45'7	45'8	46'0	46'2	46'8	46'8	47'0	47'0	47'0	47'2	46'11
47'0	47'0	47'2	47'4	48'2	48'6	48'8	49'0	49'1	49'2	49'2	49'2	47'72
46'2	46'1	46'4	46'4	46'2	46'4	46'4	46'6	46'6	47'0	46'9	46'8	47'10
44'2	44'2	44'2	44'2	44'2	44'2	44'2	44'2	44'4	44'3	44'2	44'2	44'92
—	—	—	—	—	—	—	—	—	—	—	—	—
42'2	42'2	42'2	42'5	42'8	42'8	43'0	43'3	43'6	44'0	43'8	44'0	43'08
43'8	43'8	44'0	44'2	44'8	45'0	45'0	45'4	45'5	45'6	45'6	45'8	44'47
44'2	44'2	44'2	44'4	44'8	45'0	45'2	45'3	45'3	45'3	45'3	45'3	45'08
43'6	44'0	44'2	44'7	44'8	45'4	45'8	46'2	46'3	46'4	46'7	47'0	44'93
48'2	48'2	48'2	48'4	48'8	48'8	48'8	49'0	49'0	49'0	48'8	48'6	48'21
45'8	45'8	45'8	46'2	46'4	46'7	46'9	47'1	47'3	47'4	47'6	47'6	47'02
—	—	—	—	—	—	—	—	—	—	—	—	—
46'6	46'8	47'2	47'4	47'8	48'0	48'0	48'2	48'2	48'4	48'8	48'6	47'43
46'8	46'7	46'8	46'8	46'8	47'1	47'3	47'6	47'7	47'7	47'8	47'8	47'45
46'5	46'3	46'2	46'3	46'7	46'8	46'8	47'0	47'0	47'2	47'2	47'2	47'09
43'8	43'6	43'5	43'8	44'0	44'0	44'2	44'4	44'7	44'9	45'0	45'0	44'95
45'89	45'86	46'05	46'09	46'23	46'44	46'57	46'75	46'85	46'96	46'96	47'04	46'52

VERTICAL FORCE.													
One Scale Division = '000037 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.													
Mean Göttingen Time. }	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
AUGUST.	1	121°0	113°2	120°3	123°1	121°1	122°6	127°5	104°0	122°7	102°4	102°4	114°9
	2	119°0	118°1	123°1	126°0	120°1	123°2	122°0	118°8	119°2	120°7	119°4	120°4
	3	119°4	123°9	120°5	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	113°9	113°8	111°2	112°2	113°2	111°6	112°7	112°9
	5	107°7	93°2	108°8	104°4	109°4	110°5	114°5	112°4	111°5	111°8	112°0	110°1
	6	114°4	114°2	115°6	112°5	113°7	115°6	116°4	116°4	116°4	115°4	113°7	113°7
	7	115°1	115°2	116°5	116°8	117°9	117°8	117°8	117°8	118°8	118°4	117°1	116°2
	8	124°1	121°0	120°5	120°5	114°6	117°3	118°2	118°3	117°5	115°6	114°4	113°0
	9	124°8	122°9	131°0	114°4	120°6	121°6	117°7	115°3	112°0	112°0	106°0	111°3
	10	113°0	109°1	112°4	—	—	—	—	—	—	—	—	—
	11	—	—	—	114°3	—	114°4	115°0	111°4	112°3	112°9	111°1	111°7
	12	107°0	108°8	108°1	109°9	110°6	110°8	110°6	110°6	109°5	108°8	107°8	105°9
	13	109°2	110°4	110°0	111°1	112°7	113°1	112°0	112°9	112°1	111°4	111°1	110°1
	14	111°4	111°6	113°0	112°8	—	—	113°0	113°5	112°2	110°0	108°8	108°1
	15	115°5	116°4	117°9	118°9	117°9	120°7	119°7	120°4	120°1	—	117°6	—
	16	119°8	119°8	120°5	115°3	118°1	119°6	115°3	114°9	117°4	119°0	120°7	114°7
	17	112°7	114°0	114°1	—	—	—	—	—	—	—	—	—
	18	—	—	—	115°3	116°5	114°7	115°1	114°4	112°8	110°2	109°2	108°1
	19	112°4	—	110°2	109°4	111°7	113°2	112°8	112°8	111°5	110°6	109°5	107°7
	20	118°7	108°4	108°5	110°3	108°0	109°6	109°1	109°1	109°4	108°7	105°7	104°9
	21	108°8	109°8	110°6	111°3	112°0	111°2	110°0	108°7	107°4	106°5	106°2	104°7
	22	113°2	112°3	116°0	96°1	111°1	113°8	108°2	111°8	116°7	113°0	111°4	110°5
	23	120°8	103°0	107°5	114°9	107°6	103°4	111°5	109°8	114°3	115°9	119°1	114°8
	24	120°1	116°1	117°9	—	—	—	—	—	—	—	—	—
	25	—	—	—	115°3	114°2	114°3	114°6	114°0	114°4	—	112°0	111°9
	26	110°2	101°3	109°5	107°4	108°2	110°4	110°9	110°9	109°9	110°6	110°0	111°0
	27	107°9	108°8	—	109°7	109°9	110°4	110°6	110°9	110°5	109°6	109°1	108°3
	28	108°8	108°8	109°6	108°3	109°4	110°4	110°5	111°2	110°2	110°5	109°2	110°4
	29	105°8	105°8	106°2	106°6	106°3	104°6	102°0	98°8	102°1	104°7	111°0	104°2
	30	114°8	96°3	115°7	117°0	109°7	114°4	113°0	107°9	110°1	111°8	111°5	110°9
	Hourly Means	114°06	111°54	114°56	112°86	113°13	114°06	113°82	112°28	113°24	111°75	111°49	110°82
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
AUGUST.	1	45°0	45°0	45°0	45°0	44°6	44°5	44°4	44°3	44°2	44°2	44°2	44°2
	2	46°7	46°6	46°6	46°6	46°4	46°2	46°0	45°7	45°6	45°2	45°0	45°0
	3	45°2	45°4	45°6	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	49°0	49°0	48°8	48°6	48°4	48°2	48°0	47°8
	5	49°9	49°7	49°6	49°4	49°0	48°8	48°4	48°2	48°0	47°8	47°4	47°0
	6	47°4	47°4	47°4	47°4	47°4	47°2	47°0	47°0	46°8	46°7	46°6	46°5
	7	47°0	47°0	47°0	46°8	46°5	46°4	46°3	46°1	46°0	45°7	45°4	45°2
	8	46°2	46°2	46°2	46°0	45°8	46°0	46°0	46°0	46°0	46°0	46°0	46°0
	9	46°9	47°0	47°0	47°1	47°2	47°6	47°6	47°4	47°2	47°2	47°0	46°8
	10	48°8	48°8	48°8	—	—	—	—	—	—	—	—	—
	11	—	—	—	47°0	—	47°4	47°4	47°4	47°4	47°4	47°2	47°2
	12	49°2	49°0	49°0	49°0	49°0	49°0	48°8	48°5	48°4	48°2	48°0	48°0
	13	48°6	48°6	48°2	48°2	48°0	47°8	47°7	47°5	47°0	46°8	46°6	46°4
	14	47°8	47°8	47°8	47°7	—	—	47°4	47°4	47°5	47°6	47°6	47°8
	15	45°8	45°4	45°0	44°8	45°0	44°6	44°2	44°0	44°0	—	43°8	—
	16	45°0	45°0	45°0	45°0	45°0	45°0	45°0	45°0	45°0	45°0	45°0	44°7
	17	46°8	46°9	46°9	—	—	—	—	—	—	—	—	—
	18	—	—	—	46°2	46°2	46°4	46°2	46°2	46°3	46°3	46°3	46°4
	19	48°0	—	48°0	48°0	47°6	47°5	47°3	47°2	47°0	46°8	46°8	46°6
	20	48°5	48°4	48°3	48°2	48°0	48°0	47°6	47°4	47°2	47°0	47°0	46°8
	21	47°8	47°8	47°8	47°8	47°8	47°8	47°8	47°8	47°7	47°7	47°7	47°7
	22	48°0	47°8	47°4	47°2	47°1	47°0	46°8	46°6	46°4	46°2	46°0	45°8
	23	46°7	46°6	46°7	46°7	46°4	46°4	46°4	46°2	46°0	46°0	45°8	45°5
	24	46°8	47°0	47°0	—	—	—	—	—	—	—	—	—
	25	—	—	—	47°8	47°7	47°6	47°3	47°1	46°8	—	46°8	46°2
	26	48°9	49°0	49°0	48°9	48°9	48°7	48°4	48°2	48°0	48°0	48°0	47°6
	27	49°2	49°0	—	48°8	48°8	48°6	48°2	48°0	47°8	47°8	47°4	47°2
	28	48°8	48°8	48°8	48°6	48°4	48°2	48°0	47°8	47°8	47°4	47°4	47°2
	29	49°7	49°8	49°7	49°6	49°4	49°2	49°0	48°8	48°6	48°4	48°2	48°0
	30	48°4	48°4	48°4	48°4	48°4	48°2	48°0	47°8	47°8	47°8	48°0	47°4
	Hourly Means	47°58	47°54	47°45	47°45	47°40	47°32	47°15	47°01	46°88	46°89	46°66	46°60

VERTICAL FORCE.												
One Scale Division = '000037 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.												
12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 111·7 123·1	Sc. Div. 116·3 120·8	Sc. Div. 119·9 126·1	Sc. Div. 124·6 131·0	Sc. Div. 125·4 130·2	Sc. Div. 126·1 134·1	Sc. Div. 129·5 127·6	Sc. Div. 131·8 127·6	Sc. Div. 120·5 124·7	Sc. Div. 124·8 119·3	Sc. Div. 122·5 127·6	Sc. Div. 125·7 128·2	Sc. Div. 119·75 126·76
—	—	—	—	—	—	—	—	—	—	—	—	—
113·6	113·1	113·8	118·2	119·8	119·6	120·3	118·3	108·2	105·0	112·3	110·1	114·94
110·8	110·2	111·5	114·5	117·3	119·3	119·2	119·1	114·3	114·1	114·0	115·6	111·93
115·1	115·0	116·6	120·0	123·1	124·1	120·7	118·9	116·2	116·5	115·2	115·5	116·45
116·9	119·0	119·7	119·4	120·6	122·7	121·1	119·3	119·4	120·0	121·6	120·9	118·58
115·2	114·5	115·9	117·3	121·1	121·5	122·4	117·2	116·6	115·2	114·5	119·6	117·75
117·5	104·4	110·8	114·6	118·2	116·9	114·4	114·4	115·6	110·8	118·1	115·1	115·85
—	—	—	—	—	—	—	—	—	—	—	—	—
114·0	114·7	115·6	116·0	118·7	114·8	113·9	110·8	109·8	108·4	108·3	107·7	112·62
108·3	109·3	113·6	121·7	119·2	114·1	111·5	114·3	113·3	105·8	111·2	110·1	110·87
111·7	116·4	117·1	117·1	115·9	117·7	114·5	114·4	112·4	111·2	110·4	111·4	112·76
108·5	111·7	114·5	114·2	114·8	116·4	116·2	112·4	112·1	112·6	114·4	114·3	112·57
117·6	119·7	121·1	121·9	128·5	127·0	125·0	122·6	119·9	117·4	117·2	118·0	120·05
115·9	117·5	119·3	119·5	121·7	123·4	123·2	116·9	112·4	111·6	111·6	112·0	117·50
—	—	—	—	—	—	—	—	—	—	—	—	—
110·9	112·2	114·6	117·6	118·9	119·5	115·7	114·1	113·7	112·6	109·8	113·1	113·74
106·3	108·9	112·8	113·6	113·0	114·0	114·7	112·9	110·7	108·5	108·2	108·9	111·06
105·6	109·7	115·2	116·1	118·1	116·9	117·4	114·8	112·0	110·2	—	109·1	110·72
104·6	106·9	110·4	116·2	119·0	118·9	115·4	110·0	110·1	108·9	110·4	114·2	110·51
114·0	114·5	121·7	120·3	114·3	116·7	120·7	121·3	124·5	122·8	121·7	103·0	114·57
114·8	119·3	122·5	125·3	125·3	123·4	120·4	118·3	122·0	124·5	120·9	115·7	116·46
—	—	—	—	—	—	—	—	—	—	—	—	—
113·0	117·7	116·0	114·6	118·5	124·3	127·0	121·1	113·5	112·6	110·1	108·0	115·70
110·5	111·9	111·3	113·4	113·7	117·1	116·5	114·2	111·7	111·6	107·6	107·2	110·71
109·7	113·2	113·6	116·8	120·7	117·8	113·7	111·8	109·4	109·8	110·3	109·8	111·40
111·2	112·9	115·4	115·4	116·3	114·1	112·9	110·1	109·2	109·7	105·5	107·8	110·74
107·3	109·5	114·2	120·5	121·8	114·4	118·7	123·4	123·4	111·5	113·1	114·0	110·41
112·2	116·4	117·3	108·7	108·5	115·1	125·7	109·1	108·8	105·0	100·3	101·3	110·90
112·31	113·68	116·17	118·02	119·33	119·61	119·17	116·90	114·80	113·10	113·47	112·93	114·32
TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
44·0	43·8	43·8	44·0	44·4	44·7	45·2	45·6	46·0	46·2	46·3	46·5	44·80
44·5	44·2	44·2	44·2	44·2	44·2	44·3	44·4	44·8	44·8	44·9	45·2	45·23
—	—	—	—	—	—	—	—	—	—	—	—	—
47·5	47·6	48·0	48·4	48·6	48·8	49·1	49·4	49·7	49·9	50·0	50·0	48·30
46·8	46·8	46·6	46·7	46·8	46·8	47·0	47·3	47·4	47·6	47·6	47·6	47·84
46·4	46·2	46·5	46·5	46·8	47·0	47·0	47·0	47·2	47·2	47·2	47·2	46·96
45·0	45·0	45·2	45·3	45·7	45·7	45·8	45·8	45·8	46·0	46·0	46·2	45·95
45·8	45·8	45·8	45·8	46·0	46·2	46·4	46·5	46·4	46·8	46·6	46·8	46·14
46·8	46·8	46·9	47·1	47·2	47·4	47·8	47·8	48·0	48·0	48·2	48·6	47·36
—	—	—	—	—	—	—	—	—	—	—	—	—
47·2	47·2	47·2	48·0	48·2	48·6	48·8	49·0	49·0	49·2	49·2	49·2	48·07
47·8	47·8	47·8	47·8	48·0	48·0	48·2	48·8	48·8	48·8	48·8	48·8	48·48
46·2	46·2	46·2	46·5	46·8	47·0	47·2	47·4	47·5	47·7	47·7	47·8	47·32
47·5	47·5	47·7	47·7	47·8	47·5	47·4	47·4	47·0	46·6	46·2	46·1	47·40
43·6	43·7	43·7	43·8	43·8	44·0	44·0	44·4	44·6	44·7	45·0	45·0	44·40
44·8	44·8	45·0	45·0	45·3	45·6	45·8	46·1	46·3	46·4	46·6	46·0	45·31
—	—	—	—	—	—	—	—	—	—	—	—	—
46·2	46·2	46·6	47·0	47·0	47·2	47·2	47·6	47·6	47·7	47·7	48·0	46·80
46·5	46·5	46·5	46·8	47·2	47·4	47·7	47·8	48·1	48·2	48·5	48·5	47·41
46·5	46·5	46·6	46·8	46·8	47·0	47·2	47·2	47·4	47·7	—	47·8	47·39
47·6	47·6	47·7	47·8	48·0	48·0	48·0	48·0	48·1	48·1	48·0	47·4	47·81
45·7	45·8	45·8	46·0	46·2	46·3	46·5	46·7	46·7	46·6	46·8	46·7	46·58
45·2	45·2	45·4	45·8	46·2	46·2	46·4	46·5	46·4	46·6	46·8	46·9	46·21
—	—	—	—	—	—	—	—	—	—	—	—	—
46·2	46·0	46·2	46·7	47·1	47·3	47·7	48·0	48·2	48·4	48·8	49·0	47·29
47·2	47·2	47·5	47·8	48·0	48·4	48·5	48·8	49·0	49·2	49·2	49·2	48·40
47·4	47·2	47·2	47·2	47·2	47·8	47·8	48·0	48·0	48·6	48·4	48·4	48·00
47·0	47·0	47·2	47·8	48·0	48·4	48·7	49·0	49·2	49·4	49·8	50·0	48·28
47·8	47·7	47·7	47·8	48·0	48·0	48·2	48·4	48·4	48·4	48·4	48·5	48·57
47·4	47·8	48·0	48·4	49·0	49·8	50·0	50·4	50·6	51·0	51·2	51·2	48·82
46·33	46·31	46·42	46·64	46·86	47·05	47·23	47·43	47·55	47·68	47·76	47·79	47·12

VERTICAL FORCE.												
One Scale Division = '000036 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.												
Mean Göttingen Time. } Aug. 31	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	—	—	—	104·2	100·0	104·0	105·4	106·4	—	105·1	104·6	105·6
2	103·5	93·1	—	107·0	106·0	103·6	105·8	105·0	105·6	104·0	103·4	101·7
3	101·7	102·0	—	103·0	103·6	103·9	104·1	104·1	104·2	103·2	102·2	101·8
4	108·9	103·1	103·1	101·8	98·9	99·8	104·9	105·5	102·5	102·7	107·8	101·0
5	105·4	106·8	107·7	108·1	108·8	109·9	111·3	109·4	109·7	109·3	108·5	109·4
6	105·4	105·8	105·8	106·4	105·3	105·2	107·6	108·4	108·2	104·3	103·6	102·3
7	104·7	100·2	105·3	—	—	—	—	—	—	—	—	—
8	—	—	—	96·1	104·9	100·4	98·6	99·3	101·0	96·5	95·8	98·0
9	94·5	96·0	96·3	97·7	98·4	98·5	96·8	101·1	95·3	97·8	100·6	103·2
10	104·5	105·6	105·5	105·8	106·5	107·0	107·3	107·9	—	108·2	108·5	108·8
11	98·6	98·7	99·1	97·8	97·7	98·5	98·9	99·5	100·0	99·8	100·8	100·4
12	99·2	99·7	100·8	101·5	101·8	103·3	102·8	104·5	—	106·9	106·7	105·0
13	102·3	103·6	103·5	102·8	103·4	103·0	102·7	102·6	103·0	103·2	102·4	104·3
14	110·9	103·7	104·1	—	—	—	—	—	—	—	—	—
15	—	—	—	104·0	106·7	103·9	97·9	105·2	102·9	104·4	104·2	102·9
16	99·6	99·2	99·7	98·6	100·2	100·6	99·8	98·3	96·6	96·3	94·1	96·9
17	88·2	102·6	103·9	104·2	102·6	102·3	100·8	100·4	100·5	99·9	99·2	99·7
18	103·0	103·9	103·9	105·7	105·6	103·8	104·7	104·4	105·0	104·3	105·3	99·9
19	97·6	103·7	92·2	97·7	101·8	101·4	99·6	97·4	97·0	101·4	96·3	95·0
20	111·4	103·5	98·8	101·8	106·0	93·4	103·6	102·5	98·8	90·8	—	99·2
21	101·7	102·0	97·5	—	—	—	—	—	—	—	—	—
22	—	—	—	100·8	103·4	96·2	99·8	102·2	102·7	100·1	98·7	104·0
23	97·4	100·5	101·9	97·9	95·9	96·9	103·6	105·3	103·8	101·4	100·2	103·9
24	102·4	101·7	94·0	94·4	99·3	103·6	102·5	101·3	104·0	101·8	101·7	103·7
25	99·1	98·0	93·5	96·6	96·3	95·6	98·5	100·6	98·8	100·3	91·7	96·2
26	97·4	99·5	98·6	98·7	87·5	94·0	93·0	81·7	90·8	84·2	86·0	93·8
27	103·4	99·9	94·8	91·7	84·3	93·3	96·1	95·6	94·1	93·5	96·9	96·2
28	93·4	94·4	96·0	—	—	—	—	—	—	—	—	—
29	—	—	—	93·6	93·0	93·9	93·1	86·1	79·5	85·2	95·0	96·3
30	96·5	94·2	83·5	95·6	84·0	83·7	79·4	87·7	92·8	94·9	93·3	91·9
Hourly Means	101·30	100·59	99·83	100·52	100·07	99·99	100·72	100·86	99·86	99·98	100·30	100·81
TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
Aug. 31	51°·2	51°·2	51°·2	—	—	—	—	—	—	—	—	—
1	—	—	—	51·2	50·7	50·5	50·2	50·0	—	49·2	49·0	49·0
2	51·4	51·4	—	51·2	51·0	51·0	51·0	50·6	50·4	50·2	49·8	49·5
3	51·5	51·2	—	51·0	50·8	50·8	50·2	50·0	49·8	49·4	49·2	48·9
4	51·4	51·8	51·6	51·5	51·4	51·4	51·0	50·8	51·0	50·5	50·2	50·0
5	49·8	49·6	49·4	49·0	49·0	48·8	48·2	48·0	47·8	47·5	47·2	47·0
6	49·8	49·8	49·8	49·7	49·6	49·4	49·4	49·2	49·0	49·0	48·8	48·6
7	50·0	49·8	49·6	—	—	—	—	—	—	—	—	—
8	—	—	—	51·0	51·2	51·6	51·6	51·4	51·2	51·3	51·3	51·3
9	53·0	53·0	52·8	52·2	52·0	51·7	51·3	51·0	50·4	50·2	49·8	49·4
10	49·6	49·6	49·5	49·2	49·0	48·8	48·4	48·0	—	47·6	47·2	47·0
11	51·4	51·4	51·4	51·4	51·6	51·2	51·0	50·8	50·5	50·3	50·0	49·7
12	50·9	50·7	50·4	50·2	49·9	49·6	49·2	49·0	—	48·0	47·6	47·4
13	49·8	49·8	49·8	49·7	49·7	49·7	49·4	49·3	49·2	49·0	49·0	49·0
14	49·8	50·0	50·0	—	—	—	—	—	—	—	—	—
15	—	—	—	49·5	49·4	49·3	49·2	49·2	49·0	49·0	48·8	48·8
16	50·9	51·0	51·0	51·1	51·0	51·0	51·0	51·0	51·0	51·0	51·0	51·0
17	51·3	51·2	51·2	51·0	51·0	51·0	51·0	50·8	50·4	50·2	50·2	49·8
18	49·5	49·4	49·3	49·2	49·1	49·0	48·9	48·9	48·6	48·6	48·4	48·8
19	51·0	51·0	51·0	51·0	51·0	51·0	51·0	51·1	51·0	50·6	50·8	50·8
20	50·4	50·4	50·2	50·0	50·0	50·0	49·5	49·5	49·2	49·0	—	48·5
21	50·2	50·0	50·5	—	—	—	—	—	—	—	—	—
22	—	—	—	50·4	50·2	50·2	50·0	50·0	50·0	50·2	50·0	49·5
23	50·6	50·6	50·5	50·5	50·2	50·0	50·0	49·8	49·6	49·3	49·1	48·9
24	50·5	50·6	50·5	50·5	50·3	50·4	50·0	50·0	50·0	50·0	49·5	49·8
25	52·5	52·5	52·4	52·4	52·2	52·2	52·0	51·8	51·6	51·5	51·3	51·1
26	53·0	52·8	52·5	53·0	52·0	50·8	50·8	51·5	51·2	51·2	51·2	51·2
27	53·8	53·8	54·0	54·0	54·0	53·5	53·2	53·0	52·4	52·0	51·6	51·5
28	54·0	54·0	54·0	—	—	—	—	—	—	—	—	—
29	—	—	—	54·5	55·0	55·0	54·8	54·8	54·6	54·3	54·3	54·2
30	53·0	53·0	53·0	52·8	52·5	52·4	52·3	52·2	52·0	52·0	52·0	51·8
Hourly Means	51·17	51·14	51·07	51·05	50·92	50·78	50·56	50·45	50·43	50·05	49·89	49·71

VERTICAL FORCE.

One Scale Division = '000036 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.

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.
110·9	109·0	112·0	112·1	113·1	113·1	113·3	109·0	108·4	101·2	106·4	105·3	106·63
101·7	102·8	106·7	106·1	109·2	106·6	105·9	106·5	103·4	102·3	101·6	103·1	104·11
102·6	102·3	103·4	104·9	109·3	116·2	116·2	109·6	105·8	103·8	106·9	100·3	105·00
98·4	97·0	98·5	102·2	111·8	112·4	108·6	106·4	107·5	104·3	106·6	104·8	104·11
109·4	112·7	116·6	117·7	117·4	115·3	111·6	108·3	107·3	106·4	104·8	104·8	109·86
103·2	102·5	103·6	106·4	107·5	109·6	110·9	107·3	106·2	103·3	103·4	104·5	105·70
97·6	97·3	100·4	102·0	96·6	100·9	101·6	101·3	100·8	99·3	92·5	91·7	99·28
104·6	111·7	108·5	109·1	112·2	107·8	107·0	107·5	105·6	104·5	102·8	101·9	102·47
110·2	112·6	116·1	112·9	114·8	114·7	111·1	105·4	101·8	99·5	98·6	98·3	107·46
102·1	104·6	104·1	104·1	104·2	104·2	103·7	100·2	97·3	97·6	97·7	98·2	100·33
107·5	105·3	106·3	107·3	110·0	109·1	107·1	105·8	102·7	101·0	100·3	101·1	104·16
103·1	101·5	102·3	104·5	103·7	104·9	106·1	105·1	102·8	102·3	108·0	112·1	103·88
105·1	104·3	106·6	109·7	112·9	112·9	113·3	111·0	105·4	99·9	100·2	99·4	105·48
102·1	107·8	104·3	98·6	97·4	99·8	99·7	99·0	98·1	96·5	102·2	103·2	99·53
98·4	100·2	108·3	115·4	113·2	107·5	104·4	99·8	104·0	107·0	104·4	101·5	102·82
100·5	103·3	106·8	108·5	107·0	104·2	103·1	102·9	103·5	101·5	100·4	99·9	103·80
96·5	100·5	104·2	107·6	107·8	104·2	112·1	107·5	106·5	98·4	97·4	111·4	101·47
102·6	97·4	101·9	—	103·3	109·3	109·5	109·8	104·3	103·7	104·7	91·6	102·18
106·8	104·8	105·2	105·4	108·8	108·6	106·1	106·6	103·8	112·1	101·2	99·0	103·23
104·3	108·6	109·3	110·8	110·7	109·8	110·1	109·1	103·2	99·8	104·3	102·6	103·80
105·0	104·0	106·4	111·8	109·5	104·7	101·6	99·3	97·4	94·3	92·4	96·3	101·38
97·2	101·3	101·3	105·5	108·2	99·7	98·1	99·3	96·5	98·1	92·3	110·0	98·86
99·0	98·1	103·4	103·6	102·2	103·7	101·1	111·8	115·5	111·1	99·3	89·0	97·63
98·6	101·9	108·0	112·9	112·7	103·5	89·9	92·0	93·2	93·0	92·5	94·9	97·20
100·2	98·5	95·0	98·8	98·9	103·6	108·6	106·4	99·6	96·8	102·9	98·9	96·15
92·9	99·5	121·5	112·0	113·0	118·9	120·8	90·5	119·1	113·9	116·4	98·6	99·17
102·33	103·44	106·18	107·59	108·28	107·89	106·98	104·52	103·83	101·98	101·55	100·86	102·53

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

48·7	48·6	48·8	49·2	49·6	49·8	50·1	50·4	50·8	51·0	51·2	51·2	50·12
49·4	49·4	49·6	49·8	50·0	50·2	50·8	51·0	51·0	51·2	51·4	51·6	50·56
49·0	49·0	49·0	49·0	49·2	49·5	49·8	50·2	50·3	50·6	50·8	51·2	50·02
50·0	50·0	50·0	50·2	50·4	50·4	50·4	50·4	50·4	50·3	50·2	50·0	50·64
47·0	47·0	47·2	47·4	48·0	48·0	48·6	49·0	49·0	49·4	49·8	49·8	48·40
48·4	48·4	48·8	49·0	49·0	49·2	49·6	49·8	50·0	50·0	50·0	50·0	49·35
51·4	51·4	51·8	52·0	52·2	52·6	53·0	53·0	53·2	53·2	53·2	53·2	51·73
49·4	49·2	49·0	49·0	49·2	49·3	49·5	49·6	49·7	49·8	49·8	49·8	50·42
47·0	47·0	47·2	47·6	48·0	48·6	49·2	49·8	50·2	50·4	51·1	51·3	48·75
49·8	49·5	49·8	50·2	50·6	50·8	50·8	50·8	51·0	51·1	51·1	51·0	50·72
47·5	47·3	47·3	47·8	48·2	48·4	48·8	49·1	49·4	49·7	49·7	49·8	48·96
48·8	48·8	48·8	49·0	49·0	49·2	49·4	49·4	49·6	49·8	49·8	49·9	49·37
48·8	48·8	49·0	49·2	49·4	49·7	50·0	50·2	50·4	50·4	50·8	50·8	49·56
51·0	51·0	51·2	51·2	51·4	51·5	51·6	51·6	51·6	51·4	51·4	51·3	51·17
49·8	49·8	49·6	49·6	49·6	49·8	49·4	49·8	49·7	49·7	49·6	50·0	50·23
49·0	49·2	49·5	49·8	49·9	50·0	50·2	50·3	50·3	50·5	50·8	51·0	49·51
50·4	50·2	50·2	50·2	50·2	50·0	50·2	50·0	50·5	51·0	50·5	50·4	50·63
48·4	48·3	48·4	—	49·0	49·0	49·5	49·0	50·0	50·0	50·0	50·0	49·47
49·6	49·4	49·3	49·5	49·8	50·0	50·2	50·5	50·5	50·5	50·8	50·8	50·09
48·7	48·8	48·8	49·0	49·2	49·5	49·8	49·9	50·1	50·2	50·3	50·4	49·74
49·6	49·8	50·0	50·5	50·8	51·0	51·5	52·0	52·4	52·5	52·5	52·5	50·72
51·1	51·0	51·0	51·2	51·5	51·8	52·0	52·5	52·5	52·8	52·0	52·8	51·90
51·0	51·0	51·0	51·2	51·5	51·7	52·0	52·2	52·5	52·7	53·1	53·5	51·86
51·4	51·5	51·5	52·0	52·4	52·4	53·0	53·5	53·8	54·0	54·2	54·0	51·94
54·2	54·2	53·8	53·8	53·8	53·6	53·6	53·5	53·5	53·4	53·0	53·0	54·04
51·8	51·8	51·8	51·8	51·7	51·6	51·6	51·3	51·5	51·6	51·7	51·8	52·04
49·65	49·63	49·71	49·97	50·14	50·29	50·56	50·72	50·92	51·05	51·11	51·20	50·51

VERTICAL FORCE.													
One Scale Division = '000037 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.													
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	118.1	76.7	93.3	91.1	69.2	78.0	52.4	94.2	82.0	80.1	92.7	87.0
	2	104.1	106.0	107.0	107.3	108.5	104.9	107.5	82.1	101.5	98.7	99.1	99.3
	3	107.0	107.7	103.0	113.2	105.2	105.7	105.5	105.0	106.0	106.6	107.9	109.0
	4	98.6	99.0	99.3	99.4	—	96.7	97.6	99.1	102.1	100.5	101.0	105.4
	5	103.6	104.2	105.9	—	—	—	—	—	—	—	—	—
	6	—	—	—	102.3	100.9	101.9	102.3	101.0	100.0	101.6	105.6	103.0
	7	91.7	84.6	85.0	91.9	91.3	—	89.5	88.2	88.9	89.3	91.4	92.6
	8	84.7	82.2	82.2	78.8	86.5	86.4	86.5	87.7	86.9	85.7	86.4	87.9
	9	88.8	81.3	84.9	83.2	87.9	88.3	88.4	87.9	89.0	90.0	90.6	90.6
	10	87.2	87.8	84.9	88.8	89.2	89.4	92.7	90.6	92.8	92.2	91.7	93.1
	11	92.0	92.9	92.9	93.6	93.6	94.0	95.0	96.1	95.9	97.2	97.8	98.9
	12	89.4	90.1	90.4	—	—	—	—	—	—	—	—	—
	13	—	—	—	104.0	108.3	106.4	97.0	94.9	94.6	94.1	95.2	97.7
	14	88.7	90.5	91.8	91.8	91.9	91.5	91.3	93.2	90.6	91.8	91.1	94.3
	15	86.4	86.4	90.3	90.9	91.4	—	90.2	90.7	90.9	89.8	88.0	88.5
	16	85.3	87.3	86.8	85.1	87.6	87.2	86.7	86.7	87.0	86.5	85.2	88.3
	17	87.8	90.4	90.4	89.6	84.1	87.3	89.4	92.3	92.1	91.5	92.2	90.8
	18	92.6	93.3	93.3	94.4	87.2	86.5	92.2	92.0	92.2	92.7	92.3	93.2
	19	81.1	81.7	81.3	—	—	—	—	—	—	—	—	—
	20	—	—	—	82.1	84.0	83.3	82.4	80.9	79.2	83.7	75.1	72.5
	21	94.0	93.0	96.6	72.5	81.1	92.6	91.8	91.7	90.1	92.3	98.3	97.4
	22	81.5	76.5	77.9	83.7	81.5	80.1	82.9	79.9	79.9	82.6	79.2	79.7
	23	83.5	77.1	75.2	73.3	75.4	78.7	82.5	81.3	82.1	82.6	85.7	88.7
	24	77.7	77.1	75.4	77.0	81.9	85.0	83.6	85.5	85.3	86.2	88.3	92.3
	25	104.5	100.1	95.4	101.7	—	99.2	98.4	97.1	92.4	81.2	91.4	97.2
	26 ^a	117.1	111.6	113.5	—	—	—	—	—	—	—	—	—
	27 ^a	—	—	—	103.0	103.1	102.7	102.6	102.5	104.3	106.9	108.0	101.4
	28 ^b	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	92.20	89.36	90.15	90.71	89.34	91.16	90.26	90.82	90.98	90.77	92.10	93.06	

TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
OCTOBER.	1	51.8	52.0	52.0	52.0	51.8	51.8	51.7	51.7	52.0	50.2	51.0	50.8
	2	50.0	50.0	50.0	49.8	49.6	49.6	49.5	49.5	49.1	49.0	48.8	48.8
	3	50.2	50.2	50.0	50.0	49.8	49.6	49.4	49.2	49.0	49.0	48.8	48.5
	4	52.0	52.0	52.0	52.0	—	51.5	51.5	51.2	51.0	50.7	50.6	50.3
	5	50.8	50.5	50.2	—	—	—	—	—	—	—	—	—
	6	—	—	—	51.0	50.8	50.7	50.6	50.5	50.4	50.2	50.2	50.2
	7	55.0	55.2	55.2	55.3	55.2	—	55.2	55.0	54.8	54.8	54.8	54.4
	8	57.5	57.5	57.5	57.2	57.0	57.0	56.6	56.5	55.7	55.5	55.2	55.0
	9	57.0	57.0	57.0	56.8	56.3	56.2	56.0	55.8	56.0	55.0	54.8	54.5
	10	55.8	55.7	55.3	55.2	55.0	54.6	54.4	54.4	54.0	54.0	53.5	53.2
	11	54.0	53.8	53.8	53.8	53.7	53.5	53.2	53.2	53.0	52.8	52.7	52.7
	12	55.0	54.9	54.7	—	—	—	—	—	—	—	—	—
	13	—	—	—	53.0	53.0	52.5	52.5	52.4	52.2	51.8	51.7	51.4
	14	54.4	54.2	54.2	54.0	53.8	53.8	53.5	53.3	53.2	53.3	52.7	52.6
	15	55.3	55.2	55.2	54.8	54.8	—	54.2	54.0	53.8	53.5	53.3	53.2
	16	56.7	56.7	56.4	56.3	56.0	55.8	55.6	55.4	55.2	55.0	54.6	54.4
	17	55.5	55.2	55.0	54.5	54.4	54.0	53.8	53.5	53.1	52.7	52.6	52.3
	18	54.2	54.0	54.0	53.8	53.7	53.3	53.1	53.0	52.8	52.5	52.2	52.0
	19	57.5	57.8	57.9	—	—	—	—	—	—	—	—	—
	20	—	—	—	58.5	58.3	58.0	57.8	57.4	57.0	56.7	56.4	56.2
	21	55.9	55.9	55.9	55.6	55.5	55.2	55.0	54.7	54.4	54.1	54.0	54.0
	22	58.4	58.6	58.7	58.9	58.8	58.8	58.8	58.8	58.5	58.3	58.3	58.2
	23	58.6	58.4	58.2	58.0	57.7	57.5	57.4	57.2	57.0	56.7	56.5	56.4
	24	59.3	59.2	58.8	58.4	58.0	57.6	57.4	56.8	56.6	56.1	55.9	55.5
	25	54.8	54.7	54.6	54.3	—	54.0	53.6	53.4	53.0	52.8	52.4	52.4
	26 ^a	50.5	50.4	50.0	—	—	—	—	—	—	—	—	—
	27 ^a	—	—	—	50.6	50.7	50.7	50.7	50.7	50.5	50.5	50.5	50.4
	28 ^b	—	—	—	—	—	—	—	—	—	—	—	—
Hourly Means	54.99	54.94	54.84	54.69	54.66	54.25	54.12	53.95	53.72	53.39	53.21	53.04	

^a Not included in the means.

^b Magnet removed to ascertain its temperature coefficient.

VERTICAL FORCE.												
One Scale Division = '000037 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.												
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.
87.6	97.1	97.6	100.4	100.7	100.2	97.1	100.8	102.5	104.5	103.2	102.7	92.05
105.7	109.4	113.6	112.5	111.3	103.0	101.8	103.9	110.1	110.0	104.8	103.9	104.83
108.3	111.7	113.0	111.1	106.2	104.9	108.1	107.8	102.6	102.8	98.6	98.3	106.47
107.0	105.7	105.9	104.2	104.1	105.1	101.9	106.3	111.6	108.0	101.6	103.0	102.74
—	—	—	—	—	—	—	—	—	—	—	—	—
98.0	100.9	102.8	101.1	—	98.5	98.0	97.3	97.3	95.3	90.8	92.4	100.20
95.9	97.2	96.8	97.1	93.3	94.0	90.0	85.1	82.7	83.8	84.5	85.6	90.02
90.3	91.9	95.5	95.8	94.0	89.1	—	85.6	84.2	86.4	88.9	89.6	87.53
93.6	97.4	98.4	95.8	95.0	91.5	89.8	86.9	84.6	83.2	84.2	86.2	89.06
99.6	102.1	100.4	101.0	101.8	99.0	97.4	93.1	92.2	91.5	90.6	89.8	93.29
99.4	104.4	105.2	102.1	97.8	94.7	92.4	91.4	89.4	88.8	87.4	88.1	95.04
—	—	—	—	—	—	—	—	—	—	—	—	—
102.2	107.8	105.1	100.3	99.3	98.2	96.0	95.0	92.1	90.6	88.7	88.7	96.92
97.9	101.3	102.2	104.6	105.0	102.4	97.9	95.4	90.0	90.7	89.0	88.4	94.30
93.0	97.8	98.9	95.5	93.5	89.0	89.0	85.9	84.9	85.2	82.4	84.0	89.68
92.3	95.8	99.0	99.5	97.5	94.2	91.4	89.3	87.9	86.6	85.8	85.8	89.37
92.9	96.0	97.1	100.8	101.7	100.5	97.2	92.8	90.1	88.5	88.3	92.0	92.33
97.2	99.2	99.6	98.1	94.2	94.2	94.4	90.8	86.6	83.5	83.2	81.6	91.85
—	—	—	—	—	—	—	—	—	—	—	—	—
81.2	83.5	94.9	113.8	115.8	117.4	121.7	122.6	123.3	117.6	98.8	103.7	94.23
94.8	92.2	95.6	98.8	100.9	97.2	95.9	89.0	92.2	85.2	86.6	76.8	91.53
82.8	85.6	85.7	89.1	84.1	84.1	82.5	80.4	78.2	82.2	84.4	84.4	82.04
93.7	94.5	94.6	91.4	87.6	82.3	79.0	76.8	74.3	76.2	77.6	77.9	82.17
96.2	98.6	99.0	93.6	91.2	88.4	94.4	90.6	98.2	99.0	107.0	106.8	89.93
103.9	108.2	102.2	106.5	106.0	114.7	104.5	—	110.3	115.3	109.5	72.5	100.55
—	—	—	—	—	—	—	—	—	—	—	—	—
108.2	100.3	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
96.07	99.01	100.14	100.60	99.10	97.39	96.21	93.66	93.88	93.40	91.81	90.10	93.43

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
50.5	50.0	49.8	49.8	49.8	49.8	49.8	50.0	50.0	50.2	50.2	50.0	50.79
48.7	48.7	48.6	48.8	48.9	49.0	49.2	49.5	49.7	50.0	50.0	50.1	49.37
48.6	48.7	48.8	49.2	49.4	49.4	50.5	51.0	51.0	51.2	51.6	52.0	49.80
50.2	50.2	50.0	50.2	50.5	50.8	50.6	50.8	50.8	50.8	51.0	50.8	50.94
—	—	—	—	—	—	—	—	—	—	—	—	—
50.2	50.4	51.0	51.5	—	52.5	53.0	53.5	53.9	54.2	54.6	54.8	51.55
54.2	54.2	54.3	54.7	55.0	55.5	56.0	56.5	56.8	57.2	57.5	57.5	55.40
55.4	54.8	55.0	55.0	55.4	55.7	—	56.0	56.4	57.0	57.0	57.0	56.21
54.4	54.5	54.8	55.0	55.5	55.8	56.0	56.1	56.1	56.1	56.0	56.0	55.78
52.8	52.8	52.7	52.8	53.0	53.2	53.6	53.8	54.8	54.0	54.0	54.0	54.02
52.8	53.0	53.2	53.5	53.8	54.0	54.2	54.6	54.9	55.0	55.2	55.2	53.73
—	—	—	—	—	—	—	—	—	—	—	—	—
51.5	51.6	51.7	51.9	52.2	52.6	53.0	53.5	53.8	54.0	54.2	54.2	52.89
52.5	52.6	53.0	53.0	53.5	53.8	54.2	54.8	55.0	55.2	55.5	55.6	53.82
53.4	53.8	54.0	54.5	54.9	55.4	56.0	56.3	56.7	56.7	56.8	56.8	54.90
54.2	54.2	54.1	54.3	54.4	54.6	54.8	55.0	55.4	55.5	55.8	55.5	55.25
52.2	52.0	52.0	52.4	52.5	52.8	53.0	53.4	53.7	54.0	54.2	54.3	53.46
51.8	51.8	52.2	52.5	53.1	53.7	54.3	55.1	55.9	56.3	56.8	57.1	53.72
—	—	—	—	—	—	—	—	—	—	—	—	—
56.2	56.2	56.2	56.2	56.0	56.0	55.8	56.0	55.8	55.8	55.8	55.8	56.72
53.8	53.8	53.8	54.2	54.6	55.2	56.0	56.6	57.0	57.7	58.0	58.3	55.38
58.4	58.3	58.3	58.5	58.5	58.6	58.6	58.6	58.6	58.8	58.8	58.8	58.58
56.6	57.0	57.5	58.0	58.3	58.8	59.0	59.4	59.4	59.3	59.5	59.4	57.99
55.2	54.8	54.8	54.5	54.6	54.6	54.6	54.7	54.8	54.8	54.9	54.8	56.11
52.0	51.8	51.7	51.5	51.4	51.3	51.2	—	51.0	51.0	50.8	50.5	52.46
—	—	—	—	—	—	—	—	—	—	—	—	—
50.5	50.8	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
52.98	52.97	53.07	53.27	53.59	53.78	53.97	54.53	54.61	54.76	54.92	54.93	54.05

VERTICAL FORCE.													
One Scale Division = '000053 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah. = '00021.													
Mean Götting- gen 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 ^a	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	—	—	—	—	—	—	—	—	—	—	—	
	4 ^b	—	—	—	—	—	—	—	—	—	—	—	
	5	117·0	119·5	120·7	121·7	—	122·8	125·8	126·2	126·8	128·1	—	—
	6	124·7	129·5	128·2	129·0	128·9	130·6	131·2	130·7	—	129·5	129·1	130·8
	7	123·2	123·2	125·8	129·6	129·8	129·4	129·4	127·4	—	124·4	123·8	126·7
	8	125·1	126·9	125·7	124·4	126·4	127·4	129·6	130·1	130·1	131·0	131·0	131·4
	9	125·0	125·3	126·7	—	—	—	—	—	—	—	—	—
	10	—	—	—	121·2	124·8	127·9	128·9	128·6	129·9	128·7	129·6	130·7
	11	112·8	124·6	119·1	122·8	118·8	118·5	114·2	122·4	—	122·4	122·9	124·8
	12	107·9	108·4	108·0	108·6	98·8	108·2	112·1	111·8	109·6	109·7	110·9	109·5
	13	108·6	109·2	109·2	112·6	114·7	114·4	113·6	115·3	115·3	115·8	116·5	117·6
	14	112·3	112·2	113·4	114·5	118·9	118·6	118·2	118·6	119·2	118·8	120·2	120·2
	15	118·7	118·8	120·1	120·0	—	123·2	122·3	—	122·5	123·0	121·4	121·3
	16	131·5	—	123·3	—	—	—	—	—	—	—	—	—
	17	—	—	—	121·3	—	122·2	123·2	124·2	124·2	125·0	128·5	129·4
	18	118·7	128·0	123·8	124·4	124·5	124·9	124·9	125·6	126·3	126·3	127·2	120·0
	19	110·5	121·5	120·8	113·6	118·1	118·9	122·2	123·4	123·6	122·3	124·1	123·9
	20	115·6	120·2	120·2	121·2	122·1	123·0	123·2	123·9	123·9	124·6	124·6	126·6
	21	119·0	120·3	119·5	118·2	—	120·9	122·3	122·8	122·5	122·4	121·6	122·8
	22	127·5	125·6	123·3	121·9	125·1	125·6	113·3	116·4	—	105·0	112·2	122·6
	23	113·0	119·0	118·6	—	—	—	—	—	—	—	—	—
	24	—	—	—	121·0	121·0	119·9	120·6	121·0	120·9	121·7	122·3	—
	25	106·8	111·5	114·0	112·9	—	112·0	113·8	115·0	113·8	114·4	115·0	114·4
	26	105·2	105·4	107·2	109·0	109·5	109·7	111·0	110·7	110·8	111·6	111·6	113·1
	27	96·4	97·6	98·2	102·4	102·8	104·1	102·4	103·9	102·6	102·6	102·2	105·4
	28	108·8	108·8	114·4	110·5	110·7	106·1	105·1	112·1	114·4	112·0	113·2	115·1
	29	116·4	117·5	118·5	122·0	—	—	122·8	—	—	—	126·9	127·2
Hourly Means	115·67	117·76	118·12	118·31	118·43	119·44	119·55	120·50	119·79	119·97	120·70	121·67	

TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
NOVEMBER.	1	—	—	—	—	—	—	—	—	—	—	—	
	2	—	—	—	—	—	—	—	—	—	—	—	
	3	—	—	—	—	—	—	—	—	—	—	—	
	4 ^b	—	—	—	—	—	—	—	—	—	—	—	
	5	57·5	57·5	57·0	57·0	—	54·5	54·0	53·3	53·0	52·2	—	—
	6	53·0	52·8	52·6	52·6	52·4	52·0	51·8	51·6	—	51·5	51·5	51·4
	7	55·4	55·2	55·0	54·8	55·0	54·5	54·5	54·5	—	53·2	53·2	53·0
	8	53·4	53·0	53·0	53·0	52·1	51·8	51·6	51·3	51·0	50·8	50·8	50·6
	9	53·2	53·0	52·9	—	—	—	—	—	—	—	—	—
	10	—	—	—	52·0	52·2	52·0	52·0	51·5	51·5	50·8	50·8	50·9
	11	56·5	56·6	56·5	56·5	55·8	55·4	54·8	54·2	—	53·5	53·4	53·4
	12	61·2	61·4	61·3	61·1	61·0	60·8	60·4	60·4	59·8	60·0	60·2	60·5
	13	62·1	61·7	61·2	60·6	60·4	60·5	59·5	58·5	58·0	57·4	57·4	57·4
	14	59·0	58·6	58·2	57·8	57·5	57·3	57·1	56·8	56·4	56·2	56·0	55·8
	15	56·2	56·1	55·9	55·7	—	55·0	55·2	—	54·0	53·8	53·7	53·5
	16	53·6	—	53·2	—	—	—	—	—	—	—	—	—
	17	—	—	—	53·6	—	53·4	53·4	53·3	53·2	53·0	53·0	53·0
	18	54·3	54·2	54·1	54·1	54·0	54·0	53·8	53·8	53·8	53·8	53·7	53·8
	19	56·0	56·4	56·0	55·6	55·2	55·0	55·0	55·0	54·3	54·2	54·1	54·1
	20	56·2	56·0	55·5	55·2	54·7	54·6	54·1	53·7	53·6	53·8	52·4	52·4
	21	55·6	55·6	55·3	55·3	—	55·0	54·6	54·4	54·2	54·0	54·0	54·0
	22	54·8	54·8	54·6	54·4	54·5	54·2	54·2	54·2	—	53·7	53·7	54·1
	23	56·0	56·0	56·3	—	—	—	—	—	—	—	—	—
	24	—	—	—	55·4	55·0	54·6	54·4	54·2	53·8	53·5	53·2	—
	25	58·5	58·2	58·2	58·0	—	57·4	57·3	57·0	56·8	56·6	56·6	57·0
	26	60·5	60·2	60·0	60·0	59·5	59·2	58·9	58·6	58·4	58·0	57·8	58·0
	27	63·7	63·6	63·3	63·1	62·8	62·4	62·2	61·8	61·4	61·2	61·0	61·2
	28	60·4	60·0	59·8	59·5	59·2	59·0	58·5	58·2	57·6	57·2	57·1	57·0
	29	56·0	55·0	54·5	54·2	—	—	52·2	—	—	—	50·8	50·6
Hourly Means	56·72	56·23	56·34	56·34	56·33	55·84	55·43	55·31	55·34	54·69	54·50	54·58	

^a Temperature experiments continued from last month.

^b Not included in the means.

VERTICAL FORCE.

One Scale Division = '000053 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah. = '00021.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	112'4	112'9	113'2	113'8	113'6	114'3	116'6	115'8	116'7	—
131'5	130'9	132'1	133'3	129'3	128'1	127'6	124'8	125'3	123'9	126'2	125'6	126'06
132'1	132'5	132'0	131'9	128'0	124'6	123'6	120'9	120'9	120'9	122'5	122'9	127'61
126'6	127'9	—	128'9	126'9	127'2	125'7	125'5	124'2	123'7	124'2	124'5	126'27
133'3	134'8	133'8	131'1	127'1	125'4	124'6	125'7	124'0	124'2	124'0	124'9	128'00
—	—	—	—	—	—	—	—	—	—	—	—	—
133'0	134'2	134'3	130'7	126'7	122'8	117'6	119'1	119'3	118'5	119'1	118'0	125'86
125'3	131'1	126'1	116'0	113'4	112'0	112'4	110'4	109'4	109'9	110'8	108'2	117'75
110'7	115'2	112'2	111'0	109'8	105'9	105'7	105'9	108'0	108'8	109'1	109'3	108'96
120'1	123'0	122'0	121'0	117'3	114'4	112'7	112'9	114'2	112'7	113'2	112'3	114'94
120'9	121'1	124'0	124'5	121'7	120'4	121'8	121'1	119'3	117'7	117'7	117'3	118'86
123'2	124'2	126'0	126'8	124'5	120'9	117'6	122'9	122'9	133'2	145'2	128'5	123'96
—	—	—	—	—	—	—	—	—	—	—	—	—
127'6	128'5	126'0	121'1	122'5	124'0	124'1	124'9	123'8	123'7	122'8	121'5	124'70
121'3	124'3	125'2	123'8	125'7	122'2	119'9	117'2	120'4	120'4	118'0	118'0	122'96
124'1	123'3	123'0	120'2	117'4	114'7	112'9	114'2	115'2	116'2	118'3	118'5	119'20
130'2	132'7	131'7	128'4	125'5	123'0	121'9	119'9	121'0	119'5	118'6	118'8	123'35
123'2	126'1	127'9	127'4	124'1	123'2	117'0	116'2	121'0	121'0	124'5	118'8	121'86
120'2	122'5	124'7	120'1	114'0	117'1	120'7	122'2	119'5	118'5	120'5	120'4	119'95
—	—	—	—	—	—	—	—	—	—	—	—	—
124'5	121'6	119'9	119'4	117'2	—	109'6	109'4	115'5	111'3	111'3	110'7	117'70
113'8	115'1	115'7	112'4	107'9	109'1	105'4	105'8	105'7	105'2	105'2	105'9	110'90
113'6	114'0	110'2	107'6	106'7	104'7	102'8	103'5	98'2	100'3	102'0	98'8	107'38
107'9	110'0	107'3	103'8	104'8	108'3	108'5	108'5	111'3	112'4	103'7	—	104'66
118'9	118'1	112'9	113'9	111'7	116'1	119'2	113'3	109'4	111'3	113'7	113'7	112'64
127'2	127'1	127'6	126'0	124'6	126'3	125'1	124'0	124'5	122'6	122'3	122'3	123'73
123'15	124'47	123'69	121'79	119'40	118'59	117'11	116'74	116'95	117'09	117'86	117'09	119'31

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	58'0	58'8	59'0	59'0	58'5	59'0	58'9	58'7	58'5	—
51'2	51'3	51'3	51'6	52'0	52'2	52'3	52'5	52'8	53'0	53'0	53'1	53'44
51'5	52'0	52'0	52'5	52'8	53'5	54'0	54'6	55'0	55'4	55'5	55'5	52'93
53'0	53'0	—	53'5	53'8	53'8	53'8	53'8	53'6	53'6	53'5	53'3	53'95
50'6	50'7	51'0	51'5	51'8	52'2	52'5	52'8	53'0	53'2	53'2	53'2	52'00
—	—	—	—	—	—	—	—	—	—	—	—	—
51'0	51'3	51'8	52'8	53'0	53'4	54'0	55'2	56'0	56'5	57'0	57'0	51'99
53'8	54'0	54'5	55'7	56'9	57'8	58'3	59'2	59'7	60'2	60'8	61'1	56'46
60'6	60'8	61'0	61'3	61'6	61'8	62'2	62'6	62'6	62'8	62'6	62'2	61'26
57'2	57'3	57'3	57'7	58'0	58'5	59'0	59'0	59'0	59'5	59'2	59'0	58'98
55'8	56'0	55'8	55'8	55'8	55'8	55'8	56'2	56'2	56'4	56'4	56'2	56'62
53'2	53'0	53'0	53'2	53'4	53'6	53'8	54'0	54'0	54'0	54'0	53'8	54'19
—	—	—	—	—	—	—	—	—	—	—	—	—
53'0	53'0	53'0	53'0	54'0	54'0	54'0	54'1	54'2	54'2	54'3	54'3	53'53
54'0	54'0	54'0	54'4	55'0	55'4	55'5	55'8	55'8	56'0	56'0	56'0	54'55
54'3	54'5	55'0	55'5	56'0	56'2	56'8	57'0	57'0	57'0	56'5	56'5	55'55
52'5	52'5	52'7	53'2	53'6	54'1	54'6	54'9	55'2	55'3	55'5	55'6	54'25
54'2	54'0	54'0	54'0	54'2	54'4	54'8	54'8	55'0	55'0	55'0	54'8	54'62
54'2	54'3	54'3	54'7	55'0	55'5	55'6	55'6	55'8	56'0	56'0	56'0	54'79
—	—	—	—	—	—	—	—	—	—	—	—	—
53'0	54'5	55'0	55'4	56'2	—	57'7	58'1	58'5	58'7	58'5	58'6	55'75
57'5	57'8	58'4	58'9	59'5	59'8	60'4	60'5	60'8	60'8	61'0	59'8	58'56
58'4	58'8	59'4	60'2	61'2	61'8	62'6	62'9	63'2	63'4	63'6	63'7	60'35
61'5	61'6	61'8	62'0	62'2	62'2	62'2	62'0	61'8	61'5	61'2	—	62'07
56'8	56'7	56'8	57'0	57'0	57'0	57'2	57'4	57'4	57'0	56'7	56'0	57'77
51'2	51'3	51'2	51'4	51'4	51'7	51'8	51'8	52'0	51'7	51'7	51'6	52'22
54'48	54'65	54'92	55'24	55'65	55'94	56'31	56'58	56'75	56'87	56'42	56'54	53'49

VERTICAL FORCE.												
One Scale Division = '000058 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.												
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.
Nov. 30	123'1	123'1	124'2	—	—	—	—	—	—	—	—	—
1	—	—	—	115'4	114'9	120'7	121'7	115'6	117'6	118'8	118'4	120'1
2	110'0	110'0	111'0	110'4	112'5	113'5	113'7	111'6	—	113'5	112'6	115'1
3	108'4	109'0	109'6	110'3	110'3	110'6	111'1	111'1	111'0	109'7	109'2	108'8
4	95'4	96'9	93'4	93'6	103'3	103'3	103'1	108'7	114'6	101'8	101'5	109'7
5	102'2	102'2	103'5	95'6	106'6	106'4	107'8	107'8	108'9	111'5	110'2	110'2
6	101'5	101'3	102'0	97'8	—	102'0	102'6	104'0	103'0	102'2	101'2	100'8
7	95'5	97'0	99'3	—	—	—	—	—	—	—	—	—
8	—	—	—	93'1	107'9	108'0	108'4	108'5	108'3	107'8	107'8	110'3
9	102'2	103'1	104'4	95'1	106'7	106'7	107'0	107'6	107'6	108'5	108'6	111'3
10	103'7	103'7	105'9	94'8	100'6	105'2	107'0	107'0	107'3	107'7	108'2	110'3
11	97'2	97'8	99'3	99'5	99'7	100'0	100'6	100'5	99'2	98'1	98'8	100'2
12	97'5	98'8	100'2	101'2	103'3	—	104'3	105'6	—	106'1	107'1	109'3
13	103'5	105'3	106'5	—	106'5	109'0	108'6	—	110'2	107'7	112'0	110'9
14	105'4	105'1	106'6	—	—	—	—	—	—	—	—	—
15	—	—	—	—	108'9	102'9	93'2	103'7	112'0	111'5	111'5	111'4
16	104'8	107'3	107'9	107'9	104'6	103'2	103'0	107'7	109'6	112'1	110'1	109'7
17	102'7	104'0	104'8	105'5	106'7	107'9	106'9	107'8	107'8	107'1	104'6	103'9
18	96'3	—	99'0	99'8	99'8	99'0	100'9	101'6	101'3	102'3	100'8	101'0
19	95'8	95'8	95'8	97'3	89'0	90'2	96'8	96'6	96'9	95'8	94'0	97'0
20	94'9	91'2	97'8	92'2	99'5	93'6	101'1	101'8	101'3	—	99'6	103'1
21	102'5	103'0	103'4	—	—	—	—	—	—	—	—	—
22	—	—	—	102'6	100'9	100'9	103'7	106'0	103'0	103'0	104'8	105'0
23	97'7	96'9	97'5	99'4	102'2	106'7	104'1	104'6	104'6	103'5	102'6	101'8
24	92'6	94'0	94'8	—	—	—	—	—	—	—	—	—
25 ^a	—	—	—	90'0	90'0	89'9	91'6	92'2	92'8	92'9	92'6	93'0
26	80'7	88'5	91'6	93'3	93'1	92'2	92'5	93'9	—	97'9	94'4	94'8
27	90'0	90'6	92'2	93'8	92'1	93'9	95'5	94'6	94'6	94'0	93'6	97'7
28	97'4	92'7	94'8	—	—	—	—	—	—	—	—	—
29	—	—	—	102'5	76'1	87'9	78'3	75'2	—	96'0	92'5	92'5
30	102'3	100'6	102'7	104'0	103'2	101'2	106'3	107'4	104'5	104'5	104'1	100'0
31	97'8	95'6	89'2	88'6	90'2	98'1	97'1	100'1	—	—	98'8	99'2
Hourly Means	100'01	100'54	101'44	99'32	101'14	102'20	102'57	103'25	105'53	104'75	103'83	104'89

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
Nov. 30	51'4	51'3	51'4	—	—	—	—	—	—	—	—	—
1	—	—	—	53'5	53'5	53'0	52'6	52'6	52'2	52'0	52'0	52'1
2	56'8	56'8	56'8	56'8	56'4	56'3	56'1	55'8	—	55'4	55'4	55'6
3	59'7	59'7	59'5	59'4	58'0	57'8	57'5	57'4	57'0	56'8	57'0	57'2
4	62'2	62'0	61'8	61'2	61'0	61'0	60'5	60'2	59'8	59'7	59'6	59'6
5	62'5	61'5	61'0	60'8	60'0	59'7	59'2	58'9	58'6	58'2	57'8	58'0
6	61'2	61'3	61'3	61'5	—	61'4	61'4	61'5	61'7	61'5	61'6	61'7
7	63'8	63'4	63'0	—	—	—	—	—	—	—	—	—
8	—	—	—	59'1	59'0	58'8	58'6	58'3	58'4	58'2	58'2	58'2
9	60'4	60'3	60'0	59'8	59'6	59'2	59'0	58'4	58'0	57'5	57'3	57'3
10	60'4	60'4	60'0	59'8	59'5	59'0	59'0	58'4	57'8	57'8	57'5	57'3
11	62'6	62'6	62'2	62'0	61'9	61'8	61'7	61'7	61'6	61'4	61'4	61'8
12	62'3	62'0	61'4	60'9	60'4	—	59'8	59'6	—	58'4	57'8	57'8
13	59'6	59'2	59'2	—	58'0	58'0	57'8	—	56'8	56'6	56'3	56'2
14	58'0	57'6	57'5	—	—	—	—	—	—	—	—	—
15	—	—	—	—	56'6	56'8	56'8	56'8	56'4	56'2	56'2	56'4
16	58'4	58'6	58'4	58'4	58'0	58'0	57'6	57'5	57'0	56'7	56'5	56'3
17	60'0	60'0	60'0	59'6	59'2	58'9	58'7	58'3	57'8	57'6	57'8	58'0
18	62'9	—	62'3	62'0	61'6	61'6	61'4	61'2	60'7	60'6	60'7	60'7
19	65'0	65'0	64'8	64'5	64'4	64'4	64'3	64'3	64'0	64'3	63'8	64'0
20	63'6	63'0	62'5	62'2	61'3	60'8	60'2	60'0	59'6	—	58'8	59'0
21	61'2	61'0	60'7	—	—	—	—	—	—	—	—	—
22	—	—	—	60'8	60'6	60'4	60'2	60'0	59'7	59'6	59'5	59'6
23	62'2	62'0	61'6	61'2	60'8	60'6	60'2	60'0	59'6	59'6	59'6	59'6
24	63'5	63'3	63'1	—	—	—	—	—	—	—	—	—
25 ^a	—	—	—	66'0	65'8	65'5	65'0	64'6	64'2	64'1	64'1	64'2
26	67'0	66'6	66'0	65'4	64'8	64'3	63'9	63'3	—	62'4	62'4	62'4
27	64'6	64'2	64'0	63'6	63'2	63'2	63'0	63'0	62'8	62'3	62'2	61'8
28	61'8	61'2	61'0	—	—	—	—	—	—	—	—	—
29	—	—	—	56'9	57'0	57'0	57'0	57'0	—	56'6	56'5	56'7
30	59'8	59'5	59'3	59'0	58'6	58'6	58'8	58'8	58'3	58'2	58'0	58'2
31	62'6	62'8	62'8	63'0	62'8	62'5	62'2	61'8	—	—	60'8	60'8
Hourly Means	61'68	61'42	61'21	60'72	60'08	59'94	59'71	59'58	59'14	58'82	58'80	58'87

^a Christmas Day.

VERTICAL FORCE.												
One Scale Division = '000058 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.												
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.
122.1	122.1	121.8	118.0	116.4	114.0	113.2	112.4	110.8	113.7	110.2	110.2	117.44
116.4	119.0	112.8	110.2	107.8	104.6	103.8	107.0	107.1	108.0	106.9	108.1	110.68
110.9	110.3	—	103.1	102.7	101.5	98.4	98.2	98.4	99.3	99.3	96.7	105.99
108.3	106.7	105.2	106.6	105.2	103.2	102.6	98.1	98.1	96.9	98.1	99.5	102.24
113.0	113.0	110.2	107.8	108.8	108.1	106.0	105.3	104.6	104.4	102.0	101.8	106.58
103.0	103.6	102.4	100.9	99.3	98.6	97.4	94.0	93.4	93.4	93.4	94.1	99.65
—	—	—	—	—	—	—	—	—	—	—	—	—
112.5	114.6	113.6	111.2	109.5	106.4	104.6	103.6	101.4	101.7	101.7	101.9	105.61
114.3	115.5	116.9	115.8	111.9	111.5	109.1	109.1	104.3	99.4	101.4	101.4	107.48
112.0	112.7	110.7	105.7	105.3	103.0	99.3	97.8	97.0	105.2	105.7	105.7	105.06
104.8	104.8	104.8	104.7	100.8	97.0	94.7	97.5	95.0	92.2	96.1	95.2	99.10
111.8	111.8	113.3	113.3	112.2	108.6	105.9	104.1	104.3	102.9	101.6	102.8	105.73
100.4	110.4	110.3	111.7	113.0	107.8	107.4	107.0	105.5	104.8	103.2	104.1	107.99
—	—	—	—	—	—	—	—	—	—	—	—	—
115.1	116.9	113.1	112.7	111.8	110.5	105.1	106.2	104.5	104.5	107.2	102.5	107.93
111.4	111.0	111.0	110.1	110.3	111.2	103.4	104.6	103.1	102.6	102.6	100.0	107.05
104.1	104.1	105.1	103.0	102.3	99.6	101.9	—	97.4	97.5	94.7	97.6	103.35
111.6	102.7	97.3	97.7	95.0	96.0	94.1	92.2	90.7	97.8	102.2	96.5	98.50
88.9	92.9	92.0	93.2	91.7	93.4	95.0	91.9	92.5	93.6	93.6	94.5	93.92
102.2	108.0	103.6	103.6	100.9	102.0	101.9	101.8	99.4	98.3	98.0	97.7	99.72
—	—	—	—	—	—	—	—	—	—	—	—	—
107.1	103.6	100.6	100.8	100.8	102.9	102.4	98.8	102.7	106.0	102.0	102.0	102.85
108.7	106.3	102.7	100.7	101.2	101.8	99.0	96.6	93.5	92.0	92.0	92.1	100.34
—	—	—	—	—	—	—	—	—	—	—	—	—
91.3	92.5	93.1	92.3	92.0	87.2	82.9	82.3	82.3	84.0	86.7	87.5	90.02
93.7	96.0	96.4	94.1	92.0	91.0	90.8	92.4	90.9	88.5	88.7	90.1	92.07
99.2	98.2	98.9	97.9	95.8	96.8	101.8	100.8	96.9	94.8	98.0	97.4	95.80
—	—	—	—	—	—	—	—	—	—	—	—	—
86.7	89.2	96.9	101.9	102.0	95.8	101.5	99.0	99.5	100.4	101.5	102.8	94.05
101.7	105.7	104.7	103.5	103.6	98.4	98.4	97.9	97.4	96.1	96.1	95.5	101.66
99.6	98.9	99.6	100.3	100.2	97.1	96.2	97.5	97.5	95.2	94.3	94.4	96.61
105.80	106.56	105.48	104.65	103.56	101.85	100.65	99.84	98.78	98.97	99.12	98.93	102.21

TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
°	°	°	°	°	°	°	°	°	°	°	°	°
52.2	52.4	53.0	53.4	54.0	54.6	56.0	56.4	56.6	57.0	57.0	57.0	53.63
55.8	56.2	57.3	58.0	58.8	59.3	59.5	59.7	59.9	60.0	59.8	59.9	57.50
57.5	58.0	—	59.0	59.8	60.4	61.2	61.8	62.4	62.6	62.6	62.4	59.33
59.8	60.4	60.8	61.2	62.0	62.0	62.5	62.8	63.0	63.0	62.6	62.5	61.30
58.0	58.0	58.0	58.0	59.0	59.2	59.5	59.8	60.2	60.5	60.8	61.1	59.51
62.0	62.0	62.2	62.5	62.8	63.4	63.6	64.0	64.4	64.6	64.6	64.2	62.45
—	—	—	—	—	—	—	—	—	—	—	—	—
58.2	58.2	58.4	59.0	59.7	59.9	60.2	60.5	60.7	60.8	60.8	60.7	59.75
57.5	57.7	58.0	58.2	58.6	59.0	59.6	59.8	60.4	60.6	60.6	60.6	59.06
57.5	57.5	58.0	59.0	59.5	59.7	60.6	61.5	61.6	62.0	62.2	62.5	59.52
61.8	61.8	62.0	62.2	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.7	62.22
57.5	57.5	58.0	58.2	58.5	59.0	59.4	59.8	60.0	60.0	59.8	59.6	59.44
56.5	56.4	56.4	56.6	56.8	57.0	57.2	57.5	58.0	58.0	58.0	58.0	57.46
—	—	—	—	—	—	—	—	—	—	—	—	—
56.5	57.0	56.5	57.0	57.0	57.2	57.8	58.2	58.4	58.8	58.8	58.6	57.27
56.2	56.4	56.8	57.4	58.0	58.2	58.4	59.0	60.0	60.5	60.6	60.6	58.06
58.3	58.8	59.2	60.0	60.7	61.4	61.9	—	62.6	63.0	63.0	63.0	59.90
60.8	61.4	62.0	62.3	63.0	63.4	64.0	64.4	64.7	65.0	65.0	65.0	62.47
64.0	64.4	64.8	64.6	64.6	65.0	65.0	65.0	65.0	65.0	64.5	63.9	64.52
58.8	59.2	59.4	59.8	60.2	60.5	60.9	61.1	61.2	61.4	61.5	61.3	60.71
—	—	—	—	—	—	—	—	—	—	—	—	—
59.8	60.0	60.2	60.6	60.8	61.5	62.4	62.9	63.0	63.0	63.0	62.5	60.96
59.7	59.8	60.2	60.8	61.2	62.0	62.3	62.8	63.2	63.5	63.7	63.7	61.25
—	—	—	—	—	—	—	—	—	—	—	—	—
64.3	64.6	64.9	65.2	65.8	66.0	66.5	67.0	67.2	67.2	67.2	67.0	65.25
62.3	62.3	63.0	63.5	64.0	64.4	64.7	65.1	65.1	65.1	65.0	64.8	64.25
61.8	62.0	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.2	62.0	62.53
—	—	—	—	—	—	—	—	—	—	—	—	—
57.2	57.3	57.3	57.7	58.2	58.7	59.1	59.3	59.7	59.8	59.9	59.9	58.38
58.6	58.8	59.0	59.5	60.2	60.6	61.0	61.5	61.8	62.2	62.4	62.5	59.72
60.8	61.0	61.0	61.6	62.0	62.5	62.8	63.0	63.4	63.5	63.4	63.4	62.30
58.98	59.20	59.53	59.90	60.38	60.76	61.19	61.51	61.82	62.00	61.96	61.90	60.09

January 24th and 25th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'71.					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		66°3	65°0	67°1	67°5	69°9	75°0	83°8	87°1	84°0	85°6	85°3
5	0		66°0	65°1	66°8	67°8	70°7	75°5	83°7	87°5	83°6	84°7	85°2
10	0		65°5	64°9	67°2	68°1	71°0	75°9	85°7	88°5	83°8	85°7	84°2
15	0		66°1	64°7	67°8	68°3	71°0	76°1	85°2	88°2	84°7	85°8	84°5
20	0		65°9	64°8	67°8	68°3	72°1	76°8	85°6	89°0	85°0	85°7	84°6
25	0		66°1	65°2	67°4	68°5	72°0	77°5	86°0	89°1	84°7	85°7	85°0
30	0		65°8	66°0	67°3	68°4	72°8	79°0	86°4	88°7	84°9	86°3	84°4
35	0		65°1	66°1	67°8	68°8	74°0	80°0	86°7	88°1	85°1	86°5	83°8
40	0		64°9	65°8	67°3	68°9	74°0	81°0	86°0	87°1	85°1	86°2	83°3
45	0		65°0	66°3	66°4	69°2	74°6	82°8	86°1	87°3	85°3	85°3	82°4
50	0		65°0	66°2	66°7	68°6	74°8	83°3	86°6	86°9	85°7	85°7	82°8
55	0		65°1	66°2	67°5	69°3	74°9	83°7	86°4	85°9	85°8	85°5	83°0
			One Scale Division = '000229 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	0		94°4	93°4	90°7	87°9	85°0	83°5	83°5	86°8	86°8	86°8	87°0
7	0		94°2	93°0	89°6	87°4	84°8	83°2	82°2	86°6	87°0	87°3	86°6
12	0		94°6	92°7	89°5	87°3	85°7	83°3	83°4	86°6	87°6	88°8	86°3
17	0		94°5	92°5	88°9	87°0	83°8	84°3	84°0	87°6	88°0	88°8	86°7
22	0		94°6	92°6	89°0	86°8	84°1	82°7	84°8	87°9	87°7	88°8	86°8
27	0		94°5	91°8	89°3	86°4	83°5	82°8	85°1	87°5	87°7	89°1	86°6
32	0		94°3	91°5	89°4	86°3	85°0	84°9	85°8	87°3	88°0	88°3	85°4
37	0		94°0	91°4	89°1	86°3	84°2	85°0	87°1	87°5	87°8	88°2	85°5
42	0		94°0	91°1	88°5	85°4	83°7	88°3	85°5	87°2	88°0	87°8	86°3
47	0		94°0	91°0	87°5	85°0	84°2	84°9	86°4	87°2	87°9	86°8	84°9
52	0		94°0	91°1	88°2	85°3	84°3	85°1	86°6	87°7	87°8	86°8	85°1
57	0		93°5	91°0	88°1	85°5	83°3	86°0	86°2	86°9	87°0	86°7	85°6
Thermometer			60°8	61°2	61°7	62°0	62°4	63°0	63°4	64°0	64°2	64°7	64°8
			One Scale Division = '000036 parts of the V. F.					VERTICAL FORCE.					
M.	S.												
3	0		64°0	64°6	71°4	71°6	77°0	80°4	80°7	82°0	82°8	82°3	83°2
8	0		63°5	64°9	70°6	72°7	77°3	80°0	82°4	83°7	83°0	82°7	82°5
13	0		64°2	65°2	70°7	72°8	76°7	80°2	84°8	83°3	82°8	81°9	82°5
18	0		64°2	65°2	72°0	73°8	78°1	79°4	82°7	85°2	82°3	80°9	82°3
23	0		64°2	66°6	73°1	74°3	78°9	81°0	84°0	85°5	80°2	79°8	82°0
28	0		64°1	66°9	73°5	75°0	79°2	81°3	83°0	84°9	81°0	80°0	81°4
33	0		64°1	68°1	71°9	75°5	79°2	81°1	82°3	83°4	80°5	80°7	81°1
38	0		63°7	68°3	71°9	75°3	79°3	80°1	80°2	83°1	79°9	81°0	80°9
43	0		64°1	68°7	71°5	75°7	79°3	81°4	79°9	85°0	79°9	81°6	79°7
48	0		64°0	68°9	70°7	77°5	80°1	81°4	81°0	84°6	79°9	82°8	79°7
53	0		64°0	68°4	71°2	76°7	79°7	80°5	81°1	84°1	81°4	83°2	81°2
58	0		64°0	68°7	71°5	76°5	80°0	80°5	81°6	82°5	82°3	83°6	79°0
Thermometer			59°2	59°5	59°8	60°4	60°8	61°4	62°0	62°4	62°7	63°2	63°3
Increasing Numbers denote increasing easterly Declination,													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.										
24	10	0	29°948	58°8	58°4	S.E.	Light.	1°00	Overcast and cloudy, with light drizzling rain.				
	11	0	29°935	60°7	59°5	S.	Light.	0°88	Rain ceased, sky overcast, a break in the clouds to the S.				
	12	0	29°919	61°0	59°7	—	Calm.	1°00	Overcast, cloudy, and gloomy; light drizzling rain occasionally.				
	13	0	29°902	62°2	60°8	—	Calm.	1°00	Overcast, thick fog, and drizzling rain.				
	14	0	29°879	63°8	61°7	S.S.E.	Light.	1°00	Overcast and misty; rain at intervals.				
	15	0	29°856	66°0	62°4	S.S.E.	Light.	1°00	Overcast and foggy.				
	16	0	29°835	67°5	63°0	S.S.E.	Light.	1°00	Overcast and misty.				
	17	0	29°817	67°5	63°0	S.E.	Moderate.	1°00	Overcast, drizzling rain.				
	18	0	29°806	67°0	63°6	S.S.E.	Moderate.	0°75	Thick misty rain.				
	19	0	29°785	68°2	64°8	S.S.E.	Light.	0°88	Sky overcast; sun occasionally bursting through the clouds, with much appearance of clearing up.				
	20	0	29°777	67°2	63°0	S.S.E.	Light.	1°00	Overcast and gloomy; drizzling rain commenced.				
	21	0	29°786	66°2	62°9	S.S.E.	Light.	1°00	Overcast; misty rain at intervals.				

MAGNETICAL OBSERVATIONS. January 24th and 25th.

DECLINATION. Angular Value of one Scale Division = 0'71.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
82°2	78°7	76°8	74°6	71°2	71°2	71°2	69°3	72°1	71°9	71°6	69°9	67°4
82°1	78°8	76°8	74°2	71°6	71°8	70°9	70°0	72°2	72°0	71°4	69°6	67°2
81°7	78°6	76°4	74°2	72°3	71°3	70°3	70°2	72°2	72°0	71°6	69°0	67°2
81°8	78°2	75°6	74°1	72°2	70°7	70°1	70°8	72°3	72°1	71°7	68°9	67°0
81°7	78°0	75°4	74°2	71°7	70°5	70°3	70°7	72°0	72°0	71°6	68°3	67°1
81°3	78°0	75°0	74°0	72°0	70°4	69°8	70°6	71°8	72°0	71°5	68°5	67°0
80°8	78°0	75°0	73°9	72°4	70°5	69°7	71°0	71°4	71°8	70°9	68°3	66°6
80°5	77°8	74°8	73°7	72°8	70°8	69°5	71°4	71°4	71°7	70°8	68°2	66°8
80°1	78°0	74°6	74°0	72°7	70°9	70°2	71°2	71°8	71°6	70°8	68°2	66°5
79°4	77°8	74°2	73°6	71°5	71°0	70°5	71°6	71°9	71°6	70°2	67°9	66°1
79°2	77°5	74°4	72°2	71°0	71°2	70°8	72°4	71°8	71°7	70°2	67°8	66°2
78°8	76°9	74°2	71°6	70°7	71°3	69°3	72°0	71°8	71°7	70°7	67°6	65°8

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah°. = °000234.

85°2	84°3	81°3	80°3	79°8	81°3	85°1	84°8	85°0	84°8	85°1	86°8	85°9
84°9	84°3	79°8	80°6	80°7	81°6	84°9	84°6	85°2	84°8	85°2	86°9	85°9
84°8	84°3	79°8	80°9	81°0	81°6	84°5	84°7	85°2	84°8	85°3	87°2	85°8
84°6	83°9	80°1	81°1	80°0	81°7	84°3	85°0	85°3	85°0	85°4	86°8	85°8
84°5	83°4	80°1	81°1	79°7	81°8	84°2	84°7	85°2	85°0	85°6	86°8	85°6
84°6	82°8	80°0	80°7	79°5	82°0	84°6	84°8	85°1	85°0	85°9	86°8	85°6
84°4	82°6	80°0	80°2	79°7	82°4	84°4	85°0	84°8	85°0	85°8	86°7	85°6
84°3	82°4	80°4	80°2	80°0	82°5	84°7	85°0	84°8	85°0	86°0	86°5	85°5
84°4	82°0	80°8	80°2	80°0	82°7	84°8	84°8	84°6	85°1	86°0	86°5	85°5
84°5	81°7	80°6	80°1	80°6	83°3	84°8	85°3	84°8	85°1	85°8	86°4	85°5
84°4	81°6	80°6	80°3	80°8	83°5	84°8	85°2	84°7	85°1	86°3	86°3	85°3
84°2	81°5	80°5	80°1	81°3	84°1	83°8	84°7	84°6	85°1	86°7	86°1	85°5

65°1	65°4	65°8	66°0	66°2	66°3	66°2	66°2	66°0	66°0	66°0	64°4	65°6
------	------	------	------	------	------	------	------	------	------	------	------	------

VERTICAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah°. = °00021.

78°7	73°5	74°1	70°9	66°9	65°6	58°4	61°6	62°8	63°5	63°2	59°1	58°9
78°8	73°0	75°6	69°8	67°8	64°5	57°8	61°1	62°7	64°6	63°2	58°5	61°2
78°8	73°0	75°6	69°0	67°2	64°5	57°8	61°7	63°9	64°6	63°4	58°4	61°8
78°7	72°6	75°6	69°4	66°3	62°5	58°0	61°7	63°3	63°8	62°9	56°6	62°1
77°7	72°8	74°7	68°8	68°5	62°4	58°4	62°5	62°8	63°4	62°9	58°1	62°3
77°1	73°7	74°3	68°9	69°0	62°4	58°3	62°0	63°0	63°4	61°7	58°1	61°4
76°2	74°5	73°8	68°0	67°8	61°9	58°3	62°7	62°9	63°0	61°3	58°4	60°7
76°2	74°5	73°3	68°0	68°2	61°8	59°6	62°6	64°0	63°0	61°3	57°9	60°8
74°9	74°9	72°6	70°0	69°0	61°8	59°9	64°0	63°7	63°3	61°3	59°0	61°5
73°7	75°2	71°5	69°6	66°4	61°5	59°9	64°1	64°7	63°1	61°3	59°0	61°2
73°5	75°2	71°5	68°4	66°1	60°7	60°0	62°9	64°6	62°9	62°2	59°0	61°7
73°5	74°9	71°1	66°6	65°6	60°3	60°0	64°6	64°4	62°9	60°6	58°1	59°7

64°0	64°3	64°8	65°0	65°0	65°0	65°0	65°0	65°0	65°0	64°8	64°4	64°2
------	------	------	------	------	------	------	------	------	------	------	------	------

and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.		
		Dry.	Wet.	Direction.	Force.				
D. 24	H. 22	M. 0	In. 29°795	64°8	61°9	—	Calm.	0°88	Overcast, cum., appearance of rain, calm.
			29°805	63°2	61°0	S.E.	Light.	0°88	Overcast and foggy.
			29°817	62°5	60°8	S.S.E.	Light.	1°00	Overcast and foggy, cum.
			29°812	60°7	59°2	S.S.E.	Moderate.	0°88	Blue sky, cum-strat, appearance of clearing up.
			29°810	60°6	57°8	—	—	0°38	Blue sky.
			29°821	58°6	55°6	S.E.	Fresh.	0°62	Unsettled sky, and passing showers of drizzling rain.
			29°828	57°8	54°6	S.E.	Fresh.	0°88	Overcast, dense cum.
			29°829	56°2	53°3	S.E.	Fresh.	0°88	Dense cum-strat, covering the whole sky, except a small patch to S.
			29°832	55°2	50°3	S.S.E.	Squally	0°25	Cloudy, cum.
			29°860	54°2	50°2	S.S.E.	Fresh.	0°00	Clear blue sky in the zenith, dense bank of cum. in S.
			29°832	53°0	48°6	S.S.E.	Fresh.	0°00	Clear in the zenith, a bank of cum. in zenith.
			29°919	53°0	49°2	S.	Fresh.	0°25	Cum-strat.

February 23d and 24th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'71.					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		71'0	68'7	66'7	66'9	70'9	75'7	80'1	83'5	84'0	82'2	80'1
5	0		70'9	68'2	66'7	67'0	71'3	75'9	80'7	83'5	83'8	82'0	80'0
10	0		70'7	68'2	66'3	67'4	71'3	76'5	80'8	83'6	83'6	81'8	79'4
15	0		70'2	68'0	66'3	67'9	72'1	76'8	81'2	82'9	83'8	81'8	79'0
20	0		70'0	67'9	66'2	68'0	72'4	77'2	81'5	83'8	83'5	81'6	78'8
25	0		69'4	67'5	66'0	68'2	72'8	77'5	81'8	83'8	83'2	81'4	78'3
30	0		69'3	67'3	65'9	68'5	73'0	77'8	82'4	83'8	83'2	81'2	78'3
35	0		69'2	67'5	66'3	69'1	73'8	78'1	82'6	84'0	83'0	80'9	78'1
40	0		69'2	67'3	66'7	69'1	74'0	78'7	82'6	84'0	83'0	80'6	77'9
45	0		68'8	67'0	66'8	69'9	74'2	78'9	83'0	83'9	82'9	80'5	77'8
50	0		68'8	66'6	66'6	70'0	74'8	79'4	83'2	84'0	82'7	80'3	77'8
55	0		68'9	66'5	66'4	70'2	75'3	79'6	83'3	83'8	82'3	80'0	77'6
			One Scale Division = '000229 parts of the H. F.					HORIZONTAL FORCE.					
M.	s.												
7	0		96'3	95'3	94'1	91'5	89'6	89'1	90'0	92'6	94'4	94'7	95'5
12	0		96'3	95'0	93'7	91'3	89'4	89'5	90'2	92'6	94'2	94'6	95'6
17	0		96'0	95'0	93'6	91'1	89'2	89'4	90'4	92'9	94'4	94'7	95'6
22	0		96'1	95'1	93'5	91'0	89'5	89'5	90'7	92'9	94'7	94'8	95'3
27	0		96'0	95'2	93'1	90'8	89'3	89'2	91'1	93'2	94'5	94'7	95'3
32	0		95'8	94'9	93'0	90'5	89'2	89'6	91'6	93'2	94'4	94'9	95'1
37	0		95'6	94'9	92'9	90'3	89'2	89'7	91'9	93'2	94'7	94'9	94'8
42	0		95'5	94'8	92'6	89'9	89'0	89'4	92'0	94'0	94'7	95'0	94'7
47	0		95'6	94'4	92'5	89'9	89'1	89'5	92'3	93'9	94'7	95'0	94'5
52	0		95'5	94'4	92'1	89'7	89'2	89'4	92'4	94'3	94'5	94'9	94'6
57	0		95'5	94'3	92'1	89'7	89'2	89'8	92'6	94'4	95'1	95'0	94'5
			95'5	94'1	92'0	89'7	89'4	89'8	92'7	94'1	94'5	95'0	94'7
Thermometer			61'0	61'0	61'4	61'8	61'8	62'0	62'6	63'1	63'4	63'8	64'0
			One Scale Division = '000035 parts of the V. F.					VERTICAL FORCE.					
M.	s.												
3	0		69'2	70'7	71'6	72'1	75'3	75'0	74'2	67'7	64'3	62'0	60'6
8	0		68'4	70'7	—	72'1	75'5	75'0	74'2	67'2	64'8	61'6	58'6
13	0		68'9	70'5	71'2	72'7	75'9	74'6	73'0	68'2	64'8	61'7	59'2
18	0		68'6	70'4	—	72'7	75'6	74'6	72'4	68'5	64'4	61'4	58'7
23	0		68'8	69'9	70'1	72'7	75'8	74'6	71'7	68'5	64'2	61'4	58'7
28	0		69'0	70'1	70'3	73'2	76'0	74'6	71'5	67'4	63'8	61'5	59'0
33	0		69'2	70'2	70'6	73'6	76'0	73'4	71'0	—	64'1	60'6	59'2
38	0		69'6	70'4	72'1	73'6	75'9	73'4	70'0	65'6	63'4	60'6	59'4
43	0		70'1	70'3	71'4	74'1	75'7	75'1	69'4	65'6	62'6	60'4	59'1
48	0		70'1	70'6	70'7	74'1	75'7	—	68'7	—	62'3	60'4	59'8
53	0		70'0	70'6	71'0	74'3	75'2	74'3	68'7	65'6	62'6	60'1	59'5
58	0		70'1	70'4	71'0	75'0	75'2	74'5	68'5	65'6	62'0	60'1	59'2
Thermometer			60'2	60'2	60'4	60'4	60'8	61'0	61'2	61'5	62'0	62'6	62'8
Increasing Numbers denote increasing easterly Declination.													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°								
23	10	0	30'026	55'5	50'7	N.N.W.	Light.	1'00	Blue sky, cloudy; cum.				
	11	0	30'041	57'8	52'2	N.N.W.	Moderate.	1'00	Overcast; cum.				
	12	0	30'054	60'7	53'7	N. by W.	Fresh.	1'00	Overcast, cum. and cum-strat.				
	13	0	30'038	63'0	54'8	N. by W.	Moderate.	1'00	Overcast, with patches of cum. in various directions.				
	14	0	30'029	64'0	56'0	N. by W.	Light.	1'00	Overcast, with patches of cum.				
	15	0	30'025	65'0	56'0	S.E.	Light.	1'00	Overcast and cloudy; cum.				
	16	0	30'013	67'7	57'7	N.W.	Strong.	0'90	Nearly overcast, cum-strat, and cum.				
	17	0	30'011	69'9	59'5	N.W.	Moderate.	0'50	Blue sky, cum. and cir. mixed.				
	18	0	29'986	68'8	57'5	N.W.	Fresh.	0'80	Overcast and gloomy appearance; cum.				
	19	0	29'985	69'0	59'0	N.W.	Moderate.	1'00	Blue sky and cloudy; cum.				
	20	0	29'987	68'2	56'8	N.W.	Fresh.	0'90	Overcast and gloomy; cum. and strat.				
	21	0	29'983	65'8	55'6	N.W.	Light.	0'80	Cum. and cum-strat.				

MAGNETICAL OBSERVATIONS.												February 23d and 24th.	
DECLINATION.						Angular Value of one Scale Division = 0°71.							
21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	
Sc. Div. 77.4	Sc. Div. 76.8	Sc. Div. 76.8	Sc. Div. 75.7	Sc. Div. 74.8	Sc. Div. 74.8	Sc. Div. 73.9	Sc. Div. 72.8	Sc. Div. 72.5	Sc. Div. 72.2	Sc. Div. 72.8	Sc. Div. 72.8	Sc. Div. 71.8	
77.4	77.0	76.7	75.8	74.9	74.5	74.0	72.5	72.4	72.2	73.0	72.6	71.6	
77.4	77.0	76.8	75.7	74.8	74.6	74.0	72.2	72.5	72.2	72.8	72.7	71.6	
77.4	76.8	76.4	75.6	74.9	74.5	74.0	71.8	72.4	72.3	72.2	72.7	71.3	
77.4	77.0	76.6	75.6	74.7	74.3	74.2	71.7	72.8	72.2	72.2	72.6	71.4	
77.4	77.0	76.4	75.3	74.9	74.4	73.8	71.7	72.8	72.2	72.2	72.4	71.1	
77.2	77.0	76.3	75.4	74.8	74.4	73.8	71.5	72.8	72.4	73.0	72.2	70.6	
77.1	76.8	76.2	75.3	74.8	74.3	73.7	71.4	72.6	72.6	72.8	72.2	70.8	
77.0	76.8	76.1	75.1	74.7	74.2	73.5	71.8	72.8	72.7	72.7	72.3	70.4	
76.8	76.9	76.0	75.1	74.7	74.2	73.8	72.0	72.4	72.6	72.9	72.0	69.9	
76.8	76.9	76.1	75.1	74.8	73.8	73.3	72.0	72.3	72.8	72.7	71.9	70.0	
76.8	76.9	75.8	75.0	74.7	73.8	73.0	72.0	72.2	72.7	72.8	71.6	70.1	
HORIZONTAL FORCE.												Change in the Magnetic moment of the Bar for 1° Fah°. = °000234.	
94.6	95.8	95.6	95.6	95.1	94.8	94.1	94.4	94.9	94.3	94.7	95.0	95.4	
94.7	95.6	95.7	95.5	94.9	94.6	94.1	94.4	94.9	94.3	94.6	95.2	95.4	
94.8	95.3	95.7	95.3	95.0	94.8	94.1	94.7	94.9	94.2	94.3	95.3	95.5	
94.8	95.1	95.9	95.5	95.0	94.6	94.0	94.5	95.0	94.2	94.4	95.3	95.4	
94.9	95.0	95.8	95.3	95.0	94.5	94.0	94.7	95.1	94.3	94.3	95.2	95.5	
95.0	95.1	95.6	95.2	95.1	94.7	94.3	94.7	95.0	94.4	94.5	95.3	95.4	
95.0	95.3	95.7	95.2	94.9	94.7	94.3	94.9	94.9	94.3	94.8	95.4	95.4	
95.0	95.1	95.8	95.3	94.9	94.5	94.2	94.9	94.8	94.3	94.7	95.5	95.6	
94.8	95.0	95.7	95.4	94.7	94.2	94.2	94.9	94.8	94.4	94.8	95.4	95.5	
94.8	95.4	95.7	95.3	94.6	94.2	94.9	94.7	94.6	94.4	94.9	95.4	95.5	
94.7	95.3	95.5	95.1	94.5	94.0	94.5	94.6	94.6	94.3	95.0	95.4	95.6	
95.5	95.6	95.6	95.0	94.7	94.1	94.5	94.8	94.1	94.4	95.0	95.5	95.6	
64.2	64.6	64.6	64.8	64.8	64.8	64.5	64.4	64.2	64.0	64.0	64.2	63.9	
VERTICAL FORCE.												Change in the Magnetic moment of the Bar for 1° Fah°. = °00021.	
59.1	56.3	56.6	56.0	58.1	58.6	60.7	59.7	59.7	60.5	61.8	60.8	60.1	
59.1	56.3	56.5	56.7	57.3	59.0	61.0	59.8	59.5	60.4	60.7	60.5	60.5	
59.1	56.3	55.6	57.1	57.8	59.0	60.9	58.7	59.7	60.6	61.1	60.5	60.5	
59.1	56.5	55.6	56.4	57.6	58.6	61.3	58.9	60.0	60.4	61.1	60.6	60.5	
58.6	56.9	56.1	57.1	58.0	60.2	61.1	59.0	59.3	60.4	61.3	60.4	60.5	
58.3	56.9	56.1	56.8	58.2	59.6	60.9	58.7	59.2	61.0	61.0	60.4	60.0	
57.6	56.9	55.4	57.3	57.8	59.6	60.8	58.4	59.2	61.5	61.3	60.4	60.2	
57.6	56.9	56.2	57.5	58.3	59.5	60.9	58.7	59.8	61.0	61.3	60.0	60.4	
57.3	56.9	55.6	57.2	58.5	60.1	61.4	58.7	59.5	61.0	61.3	59.7	59.9	
57.5	56.5	56.3	57.6	59.1	60.1	60.2	58.7	59.5	60.9	60.7	59.8	59.8	
57.5	56.5	56.3	57.2	59.1	60.0	59.0	59.7	59.5	61.3	60.7	59.8	59.8	
57.0	56.6	56.3	57.8	58.9	60.1	59.3	59.7	60.0	61.3	60.6	60.0	59.8	
63.2	63.2	63.6	63.7	63.7	63.7	63.8	63.4	63.2	63.2	63.2	62.8	62.7	
and increasing Horizontal and Vertical Force.													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°								
23	22	0	29.993	63.0	53.0	N.W.	Light.	1.00	Overcast.				
	23	0	30.017	60.0	51.6	N.W.	Moderate.	0.40	Cum.				
24	0	0	30.019	58.6	51.3	N.W.	Moderate.	0.00	Clear.				
	1	0	30.020	57.4	51.0	N.W.	Light.	0.30	Cum.				
	2	0	30.009	57.1	50.9	N.W.	Moderate.	0.30	Cum.				
	3	0	30.008	56.6	50.9	N.N.W.	Moderate.	0.30	Light cum-strat.				
	4	0	29.998	55.5	49.8	N.W.	Fresh.	1.00	Cloudy; light cum.				
	5	0	29.988	55.0	50.0	N.W.	Fresh.	0.50	Cum.				
	6	0	29.982	55.5	50.4	N.W.	Moderate.	0.80	Cloudy; cum. in dense patches.				
	7	0	29.986	55.5	50.2	N.W.	Light.	1.00	Overcast.				
	8	0	29.992	55.3	50.4	N.W.	Light.	1.00	Overcast and gloomy; cum.				
	9	0	29.996	55.2	50.8	N.W.	Moderate.	1.00	Overcast; cum-strat.				

March 20th and 21st.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0''71.					DECLINATION.					
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
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	74'8	72'5	70'8	70'3	73'7	78'0	81'5	84'2	84'1	81'6	79'1	
5	0	73'7	72'3	70'7	70'8	73'8	78'6	82'1	84'0	83'8	81'2	78'9	
10	0	74'2	72'0	70'5	71'1	74'4	78'8	82'4	84'3	83'7	81'6	78'4	
15	0	74'3	72'1	70'2	71'1	74'7	79'2	82'5	84'0	83'4	81'7	78'0	
20	0	73'5	72'3	70'1	71'4	75'2	79'3	82'9	84'3	83'3	81'4	77'8	
25	0	73'5	71'2	70'1	71'9	75'5	79'7	83'1	84'1	83'1	81'2	77'2	
30	0	73'5	71'0	70'4	72'1	76'0	79'8	83'6	84'7	82'9	80'9	77'0	
35	0	73'0	70'9	70'1	72'3	76'2	80'0	83'5	84'1	82'8	80'7	77'1	
40	0	73'6	70'9	70'1	72'3	76'7	80'6	83'3	84'4	82'7	80'4	76'9	
45	0	73'1	70'5	69'8	72'7	76'8	80'7	83'8	84'5	83'2	80'1	76'7	
50	0	72'9	71'0	70'1	72'8	77'5	81'0	83'7	84'6	83'0	79'9	76'6	
55	0	72'7	71'1	70'1	73'2	77'8	81'3	83'6	84'4	82'7	79'5	76'4	

M.		One Scale Division = '000229 parts of the H. F.										HORIZONTAL FORCE.	
2	0	97'6	95'9	94'3	92'8	92'3	93'4	94'6	96'1	96'3	95'6	97'2	
7	0	96'5	95'9	94'4	92'8	92'5	93'5	95'1	96'6	96'0	95'5	97'3	
12	0	96'2	95'7	94'3	92'8	92'8	93'5	95'0	96'7	95'4	95'9	97'1	
17	0	96'1	95'9	94'2	92'7	92'6	93'6	95'3	96'7	95'2	96'0	97'0	
22	0	96'1	95'5	94'0	92'7	92'8	93'7	95'4	96'6	95'0	96'0	97'2	
27	0	95'8	95'2	94'0	92'5	92'7	94'0	95'6	96'7	95'0	96'5	97'1	
32	0	95'5	95'0	93'8	92'3	92'5	94'0	96'0	96'9	95'2	96'6	97'1	
37	0	96'4	94'7	93'5	92'3	92'7	94'2	96'2	97'0	95'2	96'9	96'7	
42	0	96'3	94'4	93'4	92'2	92'7	94'3	95'5	96'3	96'6	97'0	96'3	
47	0	95'9	94'1	93'2	92'1	93'1	94'3	96'2	96'7	96'8	97'2	96'2	
52	0	95'9	94'1	93'1	92'2	93'0	94'3	95'6	96'9	96'6	97'2	96'6	
57	0	95'8	94'1	93'0	92'2	92'9	94'4	96'0	96'4	96'3	97'2	96'5	

Thermometer		60'0	59'8	59'8	60'0	60'2	60'0	60'0	60'0	60'2	60'2	60'5	
M.	s.	One Scale Division = 000036 parts of V. F.										VERTICAL FORCE.	
3	0	77'7	81'7	81'1	80'0	80'9	79'4	79'7	77'5	79'2	79'9	75'3	
8	0	78'7	81'7	81'1	81'3	81'1	78'3	78'3	77'0	79'2	80'5	74'9	
13	0	81'0	80'8	80'9	80'7	82'0	78'5	79'5	78'1	80'2	81'1	74'5	
18	0	80'9	80'8	79'9	81'1	81'4	76'8	78'3	77'2	80'2	81'1	74'0	
23	0	—	81'1	79'6	81'0	81'1	77'0	78'3	77'9	82'2	81'0	73'7	
28	0	82'8	81'2	79'7	80'7	80'8	78'3	78'3	78'7	83'0	79'1	73'8	
33	0	82'0	81'1	79'9	80'9	80'5	78'8	78'3	78'0	81'8	78'2	74'0	
38	0	82'0	81'1	78'9	80'8	78'6	78'5	77'6	78'6	81'8	77'6	74'8	
43	0	81'5	80'8	81'3	80'8	78'9	78'3	78'1	79'1	81'8	77'6	75'1	
48	0	81'8	81'8	80'8	80'3	78'9	79'3	78'3	79'7	80'3	77'0	76'1	
53	0	81'8	81'8	81'0	80'8	78'7	78'1	77'5	79'2	79'9	76'1	76'4	
58	0	82'0	82'1	80'9	81'0	78'2	79'2	78'7	79'0	79'9	75'0	75'6	

Thermometer		57'8	57'2	57'3	57'8	57'8	58'0	58'0	58'2	58'2	58'2	58'7
Increasing Numbers denote increasing easterly Declination,												

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
				Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	°				
20	10	0	29'734	48'6	44'6	N.W.	Fresh.	0'00	Blue sky ; clear atmosphere.
	11	0	29'752	51'5	46'3	N.W.	Strong.	1'00	Nim. dispersed in various directions.
	12	0	29'735	53'8	46'9	N.W.	Strong.	1'00	Overcast ; cum. ; much appearance of rain.
	13	0	29'715	56'6	48'4	N.N.W.	Strong.	1'00	Overcast ; cum-strat. ; spots of blue sky visible.
	14	0	29'705	57'2	48'2	N.N.W.	Strong.	1'00	Overcast ; cum-strat. ; spots of blue sky visible.
	15	0	29'655	56'4	48'7	N. by W.	Fresh gale.	1'00	Overcast and gloomy ; cum-strat.
	16	0	29'609	56'8	49'0	N.	Strong gale.	0'80	Sky breaking a little to the W.
	17	0	29'581	57'8	50'8	N. by W.	Strong gale.	0'50	Cum. and nim. clouds.
	18	0	29'547	61'0	52'2	N. by W.	Strong gale.	0'75	Blue sky ; threatening clouds to N.W.
	19	0	29'503	62'2	53'0	N.N.W.	Strong gale.	0'75	Threatening appearance in N.W.
	20	0	29'479	60'8	52'8	N.W. by N.	Strong gale.	1'00	Dark cum. and unsettled appearance.
	21	0	29'469	59'0	51'7	N.W. by N.	Strong gale.	1'00	Dark and cloudy appearance.

MAGNETICAL OBSERVATIONS.													March 20th and 21st.	
DECLINATION.													Angular Value of One Scale Division = 0°71.	
21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.		
Sc. Div. 75°6	Sc. Div. 73°5	Sc. Div. 74°9	Sc. Div. 74°1	Sc. Div. 73°8	Sc. Div. 74°2	Sc. Div. 74°7	Sc. Div. 74°8	Sc. Div. 74°5	Sc. Div. 75°8	Sc. Div. 75°5	Sc. Div. 74°7	Sc. Div. 73°4		
74°5	73°8	74°9	73°9	73°8	74°2	74°7	74°8	74°3	75°7	75°4	74°5	73°2		
73°3	73°8	74°8	74°0	74°0	74°3	74°8	74°9	74°4	75°7	75°2	74°3	73°0		
71°7	74°0	74°8	73°3	74°1	74°3	74°5	75°1	75°1	75°6	75°8	74°2	72°8		
70°5	74°2	74°8	73°0	74°0	74°3	74°5	75°0	75°3	75°5	75°2	74°2	72°8		
70°5	74°5	74°8	72°9	74°0	74°3	74°5	75°2	76°2	75°3	75°2	74°0	72°6		
71°1	74°6	74°7	73°0	74°2	74°3	74°3	75°4	76°7	75°5	74°8	74°0	72°4		
72°1	74°8	74°7	73°2	74°1	74°3	74°3	75°1	76°8	75°5	74°6	74°0	72°3		
73°3	75°0	74°7	73°2	74°2	74°3	74°3	74°7	76°6	75°4	74°5	73°8	72°0		
73°4	75°2	74°2	73°0	74°2	74°3	74°5	74°4	76°1	75°6	74°2	73°7	72°0		
73°2	75°1	74°3	73°0	74°1	74°8	74°7	74°3	76°0	75°5	74°6	73°6	71°8		
73°6	74°9	74°1	73°2	74°2	74°7	74°6	74°5	75°6	75°5	74°9	73°5	71°8		
HORIZONTAL FORCE.													Change in the Magnetic moment of the Bar for 1° Fah°. = °000234.	
95°8	96°0	97°0	96°2	96°0	96°0	97°0	96°9	96°9	97°8	97°5	97°4	97°2		
95°3	96°0	97°2	96°1	95°9	96°3	97°0	96°8	96°7	97°7	97°4	97°2	97°2		
94°7	96°2	97°1	96°1	95°9	96°4	97°0	96°8	96°6	97°6	97°7	97°3	97°2		
94°3	96°1	96°9	95°7	96°0	96°5	96°8	96°8	96°6	97°5	97°1	97°5	97°2		
94°4	96°1	96°7	96°1	96°0	96°6	96°8	96°8	96°6	97°4	97°2	97°6	97°3		
94°6	96°1	96°7	96°2	96°1	96°8	96°5	96°9	97°0	97°4	97°2	97°6	97°3		
95°1	96°0	96°6	96°5	96°1	96°8	96°5	97°2	97°3	97°3	97°3	97°6	97°1		
95°3	96°5	96°3	96°6	96°1	96°7	96°6	97°2	97°6	97°1	97°4	97°4	97°2		
95°5	96°5	96°3	96°4	96°1	96°7	96°6	97°1	97°6	97°2	97°2	97°4	97°3		
95°8	96°8	96°4	96°1	96°1	96°7	96°8	97°1	97°5	97°3	97°4	97°4	97°1		
95°6	97°0	96°2	96°1	96°1	97°0	96°6	97°0	97°6	97°3	97°4	97°3	97°2		
96°1	97°0	96°2	95°9	96°0	96°5	96°6	96°8	97°5	97°3	97°4	97°3	97°2		
60°7	60°8	60°8	61°0	61°0	61°0	61°2	61°2	61°0	60°9	60°4	60°2	60°0		
VERTICAL FORCE.													Change in the Magnetic moment of the Bar for 1° Fah°. = °00021.	
74°4	72°4	71°9	73°3	74°3	74°5	73°6	73°0	72°8	71°9	72°7	73°0	73°4		
73°5	73°2	71°7	73°3	74°3	74°2	73°6	73°7	73°0	71°9	72°8	72°4	73°4		
73°0	73°6	71°6	73°3	74°4	74°2	72°9	73°8	73°5	72°1	73°5	72°8	73°4		
71°8	73°4	71°9	72°9	74°9	74°2	72°9	73°7	73°8	71°9	73°1	72°8	73°4		
72°1	73°0	72°2	72°9	74°7	73°6	73°3	73°5	74°6	71°9	72°8	72°8	73°0		
73°0	73°0	72°1	72°9	74°7	73°4	73°3	73°9	75°1	72°0	73°0	72°8	73°3		
73°6	74°0	72°3	72°9	74°4	73°4	73°9	73°3	74°5	72°7	73°0	72°4	73°3		
73°7	74°0	72°6	72°7	74°6	73°4	73°8	73°0	74°1	72°6	72°6	72°9	73°3		
74°3	73°5	72°9	72°0	74°6	73°3	74°1	72°6	73°3	73°1	72°5	73°0	73°4		
73°4	73°2	73°3	72°9	74°4	73°3	74°1	72°6	72°9	73°3	73°0	73°0	73°0		
73°9	72°3	73°2	73°2	74°4	73°8	73°8	72°6	72°2	72°9	72°9	73°0	73°0		
72°6	71°9	73°4	73°5	74°5	73°8	73°8	72°8	72°1	72°8	73°1	73°0	73°3		
59°0	59°2	59°4	59°4	59°8	60°0	59°7	59°8	59°7	59°6	59°4	59°0	59°0		
and increasing Horizontal and Vertical Force.														
METEOROLOGICAL OBSERVATIONS.														
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.					
				Dry.	Wet.	Direction.	Force.							
D.	H.	M.	In.	°	°									
20	22	0	29°468	58°7	51°4	N.W. by W.	Strong gale.	0°50	Blue sky, with heavy cum.					
	23	0	29°498	58°0	50°4	N.N.W.	Strong gale.	0°80	Clouds, with dark and heavy cum.					
21	0	0	29°516	56°2	48°0	N.W.	Fresh gale.	0°25	Sky clear, except a bank of dark cum. to E.					
	1	0	29°533	55°0	47°0	W.N.W.	Fresh gale.	0°50	Dark cum.					
	2	0	29°546	54°0	45°2	N.W.	Strong gale.	0°40	Cum.					
	3	0	29°550	53°2	45°3	W.N.W.	Gale.	0°00	Clear bright sky between the squalls.					
	4	0	29°547	53°0	44°5	W.N.W.	Strong gale.	0°00	Clear sky.					
	5	0	29°571	52°3	44°7	S.S.E.	Strong gale.	0°00	Blue sky.					
	6	0	29°565	51°7	43°2	S.W.	Strong gale.	0°00	Blue sky.					
	7	0	29°610	49°5	42°8	S.W.	Strong gale.	0°25	Dark cum. passing over; bright sky between the squalls.					
	8	0	29°638	49°2	42°7	S.	Strong gale.	0°00	Bright sky between the squalls.					
	9	0	29°677	47°2	42°2	W.	Strong gale.	0°50	Light nim. clouds.					

April 24th and 25th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of One Scale Division = 0'71.					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		74'6	72'4	70'8	70'4	72'3	75'1	77'7	79'8	79'8	79'8	77'9
5	0		74'2	72'3	70'8	70'5	72'5	75'3	78'3	80'8	79'4	79'6	77'7
10	0		73'6	72'0	70'5	70'7	72'9	75'2	78'2	80'1	79'7	79'4	77'8
15	0		73'7	72'0	70'4	70'9	73'2	75'6	78'3	80'0	79'4	79'3	77'7
20	0		73'4	72'0	70'3	71'0	73'2	75'6	78'7	80'0	79'8	79'2	77'4
25	0		73'5	72'0	70'2	71'1	73'5	75'8	78'9	80'2	79'8	79'0	77'3
30	0		73'0	71'9	70'3	71'2	73'5	76'2	79'2	80'2	79'6	78'8	77'2
35	0		72'8	71'8	70'0	71'4	73'7	76'8	79'1	80'3	79'6	78'9	77'5
40	0		72'8	71'4	70'2	71'5	74'0	77'2	79'4	80'2	80'0	78'4	77'3
45	0		72'5	71'1	70'1	71'8	74'1	77'1	79'6	80'2	80'0	78'3	77'2
50	0		72'5	71'0	70'3	72'0	74'4	77'2	79'6	80'0	80'0	78'3	77'1
55	0		72'7	71'0	70'4	72'0	74'6	77'4	79'7	79'8	79'9	78'0	77'0
			One Scale Division = '000229 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	0		103'7	103'3	102'0	99'5	97'6	96'6	96'9	96'7	98'3	100'3	101'9
7	0		103'3	103'1	101'7	99'3	97'6	96'6	96'8	96'7	98'3	100'7	102'2
12	0		103'5	103'0	101'4	99'3	97'5	96'5	96'7	96'6	98'7	100'7	102'4
17	0		103'5	102'8	101'1	99'2	97'5	96'4	96'8	96'7	98'4	100'9	102'1
22	0		103'6	102'8	100'9	99'0	97'4	96'3	96'8	96'9	98'8	101'0	102'4
27	0		103'4	102'7	100'6	98'8	97'2	96'4	96'8	97'3	98'7	101'1	102'3
32	0		103'4	102'8	100'5	98'7	97'0	96'5	97'0	97'2	98'9	101'0	102'4
37	0		103'4	102'5	100'3	98'5	96'8	96'9	97'0	97'8	99'2	101'0	102'9
42	0		103'4	102'3	100'0	98'2	96'7	96'7	97'2	97'9	99'8	101'3	103'2
47	0		103'4	102'3	99'8	98'1	96'6	96'7	96'9	98'0	100'0	101'4	103'4
52	0		103'4	102'2	99'6	97'9	96'6	96'7	96'6	98'0	100'2	101'7	103'2
57	0		103'4	102'1	99'5	98'1	96'7	96'7	96'8	98'1	100'0	101'7	103'0
Thermometer			54'4	54'2	54'2	54'7	54'8	55'2	55'0	55'4	56'0	56'0	56'0
			One Scale Division = '000036 parts of the V. F.					VERTICAL FORCE.					
M.	S.												
3	0		87'6	87'7	89'4	93'9	96'5	97'0	96'5	97'3	93'3	87'3	82'2
8	0		87'6	87'7	88'8	93'9	96'5	97'7	96'4	97'2	93'2	86'7	81'9
13	0		87'6	88'1	90'1	93'9	96'5	98'0	97'3	97'6	91'6	86'5	81'6
18	0		87'6	88'3	90'3	94'8	—	98'2	95'6	96'8	92'2	85'8	81'3
23	0		87'1	88'8	90'4	94'6	96'9	98'7	94'6	96'7	91'5	85'4	80'8
28	0		87'1	88'5	91'2	94'5	96'9	94'9	98'4	96'2	90'3	84'9	80'8
33	0		86'8	89'2	92'4	94'5	96'8	—	97'2	95'5	90'3	85'4	81'4
38	0		87'0	88'7	91'3	94'6	97'0	99'4	96'9	95'3	89'8	85'3	80'9
43	0		87'2	88'7	92'2	95'6	97'0	95'3	98'2	94'3	89'3	84'6	80'2
48	0		88'4	88'7	92'7	95'0	97'8	94'7	96'1	93'7	88'6	84'6	78'3
53	0		87'6	88'9	93'2	95'7	97'8	98'8	97'6	92'4	87'9	83'7	78'7
58	0		87'5	89'3	93'3	95'7	97'1	98'3	95'5	93'3	87'9	82'6	79'2
Thermometer			53'4	53'0	53'2	53'3	53'6	53'8	54'0	54'4	54'8	55'0	55'2
Increasing Numbers denote increasing easterly Declination.													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°								
24	10	0	29'648	43'5	40'7	N.W. by N.	Light.	0'00	A few light cum.; clear fine weather.				
	11	0	29'674	46'0	43'5	N. by W.	Fresh.	0'00	Cum. with clear atmosphere.				
	12	0	29'690	48'8	44'8	N. by W.	Fresh.	0'25	Cum.				
	13	0	29'705	51'2	46'3	N. by W.	Strong.	0'25	Cum.				
	14	0	29'707	52'3	47'2	N.	Strong.	0'25	Cum.				
	15	0	29'700	55'0	48'3	N.	Moderate gale.	0'00	Cum. passing from N.W.; clear fine weather.				
	16	0	29'702	56'4	48'7	N.W.	Moderate breeze.	0'00	Cum.; fine weather.				
	17	0	29'697	56'8	48'8	W.N.W.	Fresh breeze.	0'00	Clear atmosphere, and fine weather; cum. passing from N.W.				
	18	0	29'691	55'8	47'3	N.N.W.	Fresh breeze.	0'00	Cum.; clear fine weather				
	19	0	29'692	53'8	46'2	N. by W.	Moderate breeze.	0'00	Cir-cum. and fine.				
	20	0	29'706	52'0	46'2	N. by W.	Fresh breeze.	0'40	Dark cum.; appearance of rain.				
	21	0	29'714	51'1	45'4	N. by W.	Fresh breeze.	0'40	Cum., dark and ragged in appearance.				

MAGNETICAL OBSERVATIONS.													April 24th and 25th.		
DECLINATION.													Angular Value of one Scale Division = 0'71.		
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.		
76·9	76·4	75·0	71·2	72·8	62·3	66·5	72·0	73·8	79·5	75·1	77·5	74·0			
76·8	76·5	75·0	71·9	71·8	61·2	65·8	73·0	74·3	81·2	75·1	76·8	74·6			
76·7	76·4	74·1	—	71·8	62·0	64·5	73·5	73·6	81·6	76·9	76·0	74·5			
76·7	76·4	73·2	72·0	71·8	65·3	63·8	73·8	72·4	82·1	79·2	75·3	73·6			
76·6	76·4	72·4	72·3	72·2	66·8	64·6	74·3	71·8	81·4	81·3	74·8	74·1			
76·3	76·3	72·1	73·2	71·9	64·3	66·0	74·6	71·5	80·8	84·5	74·5	74·0			
76·2	76·3	72·9	73·5	71·8	63·1	67·8	73·9	71·6	79·7	85·9	74·7	73·9			
76·2	76·5	73·0	73·8	71·0	63·6	68·7	73·9	72·0	77·9	85·5	74·3	73·4			
76·2	76·7	70·5	74·3	70·1	65·5	69·7	74·3	73·6	75·5	83·8	74·4	73·6			
76·1	76·6	69·7	74·2	70·7	66·2	69·8	74·3	75·6	74·3	82·2	74·6	73·4			
76·2	76·2	69·3	73·8	70·0	66·1	70·0	73·7	77·5	74·0	80·1	75·1	73·9			
76·2	75·7	69·8	72·9	67·0	66·7	70·9	73·7	78·1	74·1	78·4	75·2	74·0			
HORIZONTAL FORCE.													Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.		
102·8	102·5	101·0	101·3	100·1	100·6	97·5	99·0	99·7	101·2	97·6	100·2	98·4			
102·8	102·1	101·3	100·7	99·9	101·7	96·6	99·0	99·6	102·3	95·5	100·2	99·0			
103·3	101·8	101·0	100·4	99·5	101·6	97·1	99·1	99·6	103·0	94·0	99·8	99·1			
103·0	101·6	100·4	100·5	99·5	103·7	98·0	99·3	99·5	103·6	93·0	99·3	99·7			
103·1	101·6	100·5	100·7	99·2	104·3	99·1	99·9	99·5	103·7	92·8	98·9	99·7			
103·1	101·6	100·6	101·2	98·5	105·3	99·2	100·0	99·4	103·2	93·0	98·7	99·6			
103·0	101·7	101·0	102·0	98·5	106·2	99·3	99·7	99·4	103·9	93·4	98·1	99·5			
102·8	101·8	101·2	101·7	97·5	104·7	99·4	99·9	100·2	103·8	94·7	98·4	99·5			
102·6	101·7	101·4	101·2	97·5	103·2	99·4	100·2	100·3	103·0	96·1	98·4	99·4			
102·7	101·7	101·6	100·4	97·2	100·5	99·1	100·0	100·1	102·0	97·2	98·7	99·5			
102·9	101·5	101·7	100·1	96·2	98·9	99·0	99·8	99·9	100·8	98·7	99·0	99·9			
102·7	101·4	101·6	100·5	99·4	98·1	99·0	100·1	99·8	99·5	99·7	98·1	99·5			
56·4	56·5	56·5	56·2	56·2	56·4	56·0	56·0	56·3	56·2	56·1	56·0	56·0			
VERTICAL FORCE.													Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.		
78·3	80·2	84·1	81·0	85·4	80·3	82·8	89·3	87·7	89·9	84·7	78·1	78·4			
78·5	81·5	82·3	82·5	86·0	80·7	84·2	90·9	87·7	89·3	90·6	75·6	78·3			
79·5	81·9	82·1	83·6	87·0	79·1	85·3	90·9	86·8	88·2	95·6	74·6	78·2			
78·9	82·9	81·4	83·8	87·9	78·2	85·0	90·6	86·7	85·2	100·4	74·2	77·6			
79·4	82·1	81·6	84·9	88·3	72·2	85·0	90·5	86·2	83·6	104·9	74·7	77·7			
79·4	82·8	82·7	85·6	88·8	68·3	85·4	89·2	86·0	81·7	107·5	76·2	76·3			
79·1	82·8	82·7	84·7	89·5	65·3	85·6	88·7	86·0	80·9	106·4	76·3	76·3			
79·1	84·0	80·3	84·5	90·2	67·0	86·2	88·9	—	77·4	102·7	76·8	76·8			
79·9	83·9	79·5	84·5	91·0	68·9	86·4	89·0	86·3	76·3	96·8	77·8	77·5			
79·8	83·5	79·2	85·9	92·1	73·2	86·5	88·0	88·4	76·7	91·3	77·6	77·6			
79·8	83·5	78·6	85·4	91·5	76·5	88·1	87·7	89·6	78·6	85·5	78·8	77·7			
79·9	83·4	80·0	86·2	88·5	80·2	88·3	87·5	90·8	80·8	81·4	78·4	78·5			
55·3	55·5	55·5	55·4	55·4	55·4	55·4	55·4	55·3	55·2	55·1	55·0	55·2			
and increasing Horizontal and Vertical Force.															
METEOROLOGICAL OBSERVATIONS.															
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.						
				Dry.	Wet.	Direction.	Force.								
D.	H.	M.	In.	50·2	45·0	N. by W.	Gentle breeze.	0·00	Cum. and fine.						
24	22	0	29·718	48·9	44·1	N. by W.	Gentle breeze.	0·00	Light cum. and cir-strat; fine.						
	23	0	29·724	48·2	43·7	N.W.	Moderate breeze.	0·00	Cum.; fine weather; clear moonlight.						
25	0	0	29·714	48·4	44·0	N.N.W.	Fresh breeze.	0·00	Clear atmosphere and fine.						
	1	0	29·700	48·5	44·4	N.N.W.	Fresh breeze.	0·55	Cum.; the sky faintly illuminated to S., much obscured by clouds.						
	2	0	29·686	48·6	45·0	N.N.W.	Fresh breeze.	0·00	Cum., with a faint appearance of the Aurora.						
	3	0	29·674	48·2	45·2	N. by W.	Strong breeze.	0·00	Cum., with a faint Aurora.						
	4	0	29·652	49·7	45·7	N. by W.	Moderate gale.	0·25	Cum., squally unsettled appearance.						
	5	0	29·639	49·7	45·8	N. by W.	Moderate gale.	0·25	Cum. and cum-strat; unsettled appearance.						
	6	0	29·619	49·8	46·3	N. by W.	Gentle breeze.	0·25	Cum. and cum-strat.						
	7	0	29·611	49·6	46·4	N. by W.	Gentle breeze.	0·25	Cum.						
	8	0	29·605	49·4	46·4	N. by W.	Gentle breeze.	0·25	Cum. to E of a red colour caused by the rising sun.						
	9	0	29·592												

May 24th and 25th.		MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.		Angular Value of One Scale Division = 0°71.						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	76°5	76°2	76°0	75°3	75°5	77°1	76°4	77°4	77°5	77°4	74°4
5	0	76°2	76°2	75°8	75°0	76°0	77°3	76°8	77°2	77°3	77°3	74°6
10	0	76°5	76°5	75°6	75°4	75°5	77°2	77°2	77°7	77°3	77°1	75°4
15	0	76°3	76°3	76°0	75°5	76°0	76°9	77°7	77°5	77°1	77°3	75°4
20	0	76°8	76°4	75°8	75°7	76°0	76°8	77°8	77°1	77°2	77°0	75°5
25	0	76°2	76°5	75°9	75°8	76°1	76°7	77°8	77°4	77°2	76°6	76°0
30	0	76°0	76°5	75°1	75°8	76°3	76°1	77°3	77°8	77°3	76°7	75°4
35	0	76°1	76°4	74°6	76°0	76°1	75°8	77°0	77°5	77°5	76°4	75°4
40	0	76°4	76°2	74°8	76°0	75°7	75°8	77°2	77°7	77°5	76°1	75°2
45	0	76°3	76°4	74°7	75°9	75°9	75°8	77°2	77°8	77°6	76°0	75°2
50	0	76°1	76°2	75°1	75°9	76°0	76°1	76°8	77°8	77°6	74°7	75°4
55	0	76°4	76°2	75°4	75°8	76°8	75°9	76°8	77°6	77°7	74°4	75°2

M. s.		One Scale Division = .000229 parts of the H. F.						HORIZONTAL FORCE.				
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
2	0	103°0	104°1	104°8	102°9	101°7	99°8	102°0	102°9	102°4	103°2	103°3
7	0	103°4	104°4	104°7	103°0	101°3	99°9	101°7	102°5	102°6	103°2	103°9
12	0	103°8	104°5	104°3	103°0	100°6	99°9	101°7	102°1	102°8	103°2	104°1
17	0	104°0	104°6	104°0	102°4	100°6	99°6	101°5	102°3	102°7	103°2	103°7
22	0	103°8	105°0	102°7	102°6	100°4	99°2	101°8	102°4	102°6	103°0	103°9
27	0	104°1	105°2	102°1	102°3	100°5	99°5	101°8	102°2	103°0	103°4	103°7
32	0	105°2	105°1	102°4	101°9	100°4	99°3	101°8	102°1	103°0	103°5	103°7
37	0	104°6	105°4	102°7	102°2	100°3	99°0	101°9	102°3	103°1	103°9	103°9
42	0	104°5	105°4	102°8	102°3	100°2	99°7	102°3	102°2	103°2	103°7	103°9
47	0	105°1	105°3	102°9	102°1	100°1	100°4	102°3	101°9	103°1	103°8	103°9
52	0	104°5	105°0	102°9	101°9	100°0	101°1	102°4	102°1	103°1	103°1	103°9
57	0	104°5	105°0	102°8	101°8	99°7	101°5	102°7	102°0	103°2	103°0	103°6

Thermometer	51°6	51°6	51°6	52°0	52°0	52°2	52°3	52°3	53°8	54°1	54°3
-------------	------	------	------	------	------	------	------	------	------	------	------

M. s.		One Scale Division = .000036 parts of the V. F.						VERTICAL FORCE.				
		10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.
3	0	97°4	95°8	95°2	99°0	100°7	103°3	96°4	94°4	94°8	91°5	87°6
8	0	98°0	96°2	95°4	99°0	100°4	103°1	96°4	94°6	93°6	91°3	87°6
13	0	97°7	96°0	95°5	99°0	101°5	101°9	96°8	94°9	93°6	91°0	86°9
18	0	97°3	96°4	95°9	99°0	102°3	101°9	97°2	94°9	93°1	91°2	86°9
23	0	95°2	94°9	97°5	99°6	102°6	101°3	97°2	94°9	93°1	91°3	87°0
28	0	97°1	94°5	98°5	99°8	102°5	101°1	97°0	95°5	92°8	89°6	87°2
33	0	95°8	93°3	100°0	99°9	102°4	101°1	97°0	95°9	92°9	89°3	87°9
38	0	96°7	93°7	99°4	99°9	101°7	100°0	96°1	95°2	92°5	88°7	86°2
43	0	95°5	93°9	99°7	99°6	101°3	100°0	96°1	94°8	92°5	89°3	86°2
48	0	95°2	94°3	99°7	99°8	101°0	99°2	95°1	95°5	92°4	88°5	86°6
53	0	95°6	94°3	99°6	99°8	101°9	98°0	95°1	95°5	92°3	86°8	86°1
58	0	94°6	95°2	99°3	99°8	102°3	96°9	94°4	95°0	91°4	87°4	85°8

Thermometer	50°6	50°6	50°6	51°0	51°0	51°0	51°4	51°3	52°8	53°1	53°6
-------------	------	------	------	------	------	------	------	------	------	------	------

Increasing Numbers denote increasing easterly Declination,

METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.			
				Dry.	Wet.	Direction.	Force.					
D.	H.	M.	In.	°	°							
24	10	0	30°268	40°6	40°4	N.W. by N.	Light breeze.	0°00	Clear.			
	11	0	30°273	41°4	41°4	N.W. by N.	Gentle breeze.	0°00	Clear and fine.			
	12	0	30°268	43°7	43°7	N.N.W.	Moderate breeze.	0°00	Clear and fine.			
	13	0	30°266	46°5	45°8	N.N.W.	Moderate breeze.	0°00	Clear and fine.			
	14	0	30°253	48°8	47°8	N.N.W.	Moderate breeze.	0°00	Clear and fine.			
	15	0	30°232	51°5	49°0	N.N.W.	Moderate breeze.	0°00	Clear and fine.			
	16	0	30°199	53°0	49°4	N.N.W.	Gentle breeze.	0°00	Clear ; cloudless sky and fine weather.			
	17	0	30°182	53°8	50°1	N.N.W.	Gentle breeze.	0°00	Clear ; cloudless sky and fine.			
	18	0	30°174	53°5	49°6	N.N.W.	Gentle breeze.	0°00	Clear ; cloudless sky and fine.			
	19	0	30°162	51°2	47°4	N.W.	Gentle breeze.	0°00	Cir-strat. thinly scattered over the sky.			
	20	0	30°170	48°5	45°3	N.W.	Moderate breeze.	0°00	Light cir-strat. scattered variously.			
	21	0	30°181	46°5	44°5	W.	Moderate breeze.	0°45	Sky covered with cir-strat.			

MAGNETICAL OBSERVATIONS.												May 24th and 25th.			
DECLINATION.												Angular Value of one Scale Division = 0'71.			
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.		
75.2	76.4	75.0	75.2	75.8	75.0	74.9	76.2	77.6	76.0	76.3	75.2	78.8			
75.5	76.7	74.7	75.2	75.2	74.8	75.0	75.2	77.0	75.9	76.2	75.3	79.0			
75.6	76.4	74.9	75.2	76.8	74.3	75.2	75.1	76.3	76.5	76.2	75.2	78.9			
76.0	76.1	74.8	74.4	76.2	74.1	75.0	76.0	76.0	76.0	76.0	75.2	78.9			
76.0	76.0	74.5	74.2	76.0	73.9	75.4	76.1	76.0	75.8	75.9	75.2	78.3			
76.2	76.0	74.9	74.2	76.0	73.8	75.1	76.3	75.8	75.9	76.2	75.4	78.0			
76.1	75.8	75.0	74.0	75.0	74.0	75.7	76.1	76.0	76.8	76.2	75.4	77.8			
76.0	75.8	75.8	74.6	74.9	74.0	74.9	76.1	76.0	76.8	76.0	75.8	77.8			
76.2	75.7	75.0	74.7	75.3	74.1	76.0	76.2	75.8	76.5	75.6	75.6	77.5			
76.2	75.1	74.8	74.8	74.9	74.2	77.6	76.5	75.5	76.5	75.6	75.9	76.7			
76.3	75.0	74.8	76.5	74.7	74.3	78.2	76.9	75.8	76.5	75.5	77.3	76.8			
76.4	74.8	74.9	76.5	74.8	74.3	77.9	77.4	76.0	76.4	75.3	78.0	77.2			
HORIZONTAL FORCE.												Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.			
103.6	102.6	102.8	104.3	103.8	103.5	102.8	105.1	104.9	103.6	104.2	105.3	103.8			
103.6	102.7	103.4	104.2	103.7	103.4	102.9	104.9	104.6	103.6	104.0	105.3	103.2			
103.8	102.9	103.3	103.6	104.0	103.3	103.2	105.0	104.5	103.8	104.0	105.3	102.8			
103.6	102.6	103.4	103.5	104.0	103.0	103.5	105.2	104.8	103.6	103.8	105.4	102.8			
103.5	102.7	104.7	103.2	104.1	103.1	104.3	105.2	104.5	103.5	103.8	105.4	103.1			
102.9	102.7	104.7	103.4	104.0	102.9	104.4	105.0	104.3	103.6	103.9	105.3	104.0			
103.1	102.7	105.0	103.5	104.3	102.9	104.1	104.7	104.1	104.0	104.0	105.3	104.3			
103.0	102.5	105.2	103.6	104.7	102.8	104.4	104.4	104.1	103.8	104.5	105.2	104.7			
102.9	102.4	104.5	103.6	104.0	102.8	106.1	104.4	104.2	103.6	104.8	105.2	104.5			
102.5	102.6	103.9	103.0	104.0	102.8	106.5	104.6	104.2	103.6	104.6	105.2	105.5			
103.0	102.7	104.0	104.3	103.5	102.8	106.2	104.7	104.1	103.8	105.0	105.0	105.7			
102.7	102.8	104.7	104.0	103.6	102.9	105.4	104.8	103.9	104.0	105.1	104.2	105.6			
54.2	54.2	54.4	54.3	54.2	54.0	53.7	53.6	53.2	53.0	52.8	52.5	52.2			
VERTICAL FORCE.												Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.			
86.7	88.8	88.2	85.4	87.6	88.7	91.2	86.6	90.3	91.9	93.0	91.3	99.1			
86.2	88.8	88.3	85.4	89.1	88.5	91.5	87.4	89.2	92.5	93.0	91.3	100.0			
87.0	89.0	87.4	86.8	88.5	88.4	92.6	88.7	89.9	92.7	93.0	91.2	101.1			
87.1	89.0	87.4	87.5	88.5	88.5	92.2	88.7	89.9	92.7	93.0	91.0	101.3			
87.3	88.8	86.1	87.5	88.1	89.0	90.8	88.3	89.7	92.7	93.3	91.3	101.4			
87.7	88.6	85.2	88.0	87.3	89.5	89.9	88.3	90.0	93.4	93.3	91.6	100.5			
88.0	89.0	85.2	88.0	87.0	89.7	89.9	88.6	90.0	93.4	93.3	92.4	97.7			
88.4	89.0	84.4	88.0	87.0	90.0	89.9	89.5	90.2	93.7	92.6	92.4	96.4			
88.6	87.9	83.2	88.4	86.6	90.4	89.3	90.1	89.9	93.5	92.1	92.7	95.1			
89.0	88.4	85.4	90.3	86.6	91.0	88.4	90.3	90.2	94.1	91.9	93.6	93.3			
89.2	88.7	85.9	89.8	87.8	91.0	87.8	90.3	90.8	93.0	91.3	95.1	93.2			
89.0	88.0	85.9	88.3	88.7	91.2	87.6	90.5	91.4	92.8	90.9	96.9	93.2			
53.8	53.8	54.0	53.8	53.8	53.5	53.3	53.1	52.8	52.6	52.2	52.0	51.6			
and increasing Horizontal and Vertical Force.															
METEOROLOGICAL OBSERVATIONS.															
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.						
				Dry.	Wet.	Direction.	Force.								
D.	H.	M.	In.	°	°										
24	22	0	30.186	45.2	44.0	N.W.	Moderate breeze.	0.50	Clouded with cir.						
	23	0	30.181	44.5	43.6	N.W.	Strong breeze.	0.00	Blue sky, with a haze.						
25	0	0	30.178	43.2	41.9	N.W.	Strong breeze.	0.00	A very slight film of haze pervading the sky.						
	1	0	30.170	42.2	41.5	N.W.	Strong breeze.	0.25	A small bank of clouds rising in N.W.						
	2	0	30.161	43.5	42.2	N.W.	Moderate gale.	0.00	A slight film of haze over the sky.						
	3	0	30.151	42.1	41.3	N.W. by N.	Moderate gale.	0.00	Sky clear, except a little cloudy haze on the horizon.						
	4	0	30.131	41.7	40.3	N. by W.	Fresh gale.	0.00	Cloudless sky; strong breeze drawing to the N.						
	5	0	30.130	41.0	40.0	N. by W.	Fresh gale.	0.00	Blue sky and fine.						
	6	0	30.116	40.5	39.8	N. by W.	Moderate gale.	0.00	Blue sky and fine.						
	7	0	30.105	40.0	39.0	N. by W.	Strong breeze.	0.00	Cum.-strat.; blue sky.						
	8	0	30.105	39.8	38.7	N.W.	Strong breeze.	0.25	A few cum.-strat. clouds in various directions.						
	9	0	30.105	39.5	38.8	N.W.	Strong breeze.	0.00	Blue sky.						

June 19th and 20th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0'71.					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	76·9	75·6	74·2	73·7	73·9	74·4	74·4	76·4	77·9	76·8	76·3	
5	0	77·2	75·2	74·1	73·3	74·0	74·3	75·0	76·2	77·9	77·0	76·1	
10	0	76·4	75·3	74·0	73·6	74·2	74·2	75·0	76·7	78·2	76·8	76·0	
15	0	76·0	75·2	74·0	73·6	74·1	74·2	75·0	76·8	78·1	76·7	76·3	
20	0	75·8	75·1	73·9	73·8	74·0	74·2	75·1	76·9	78·0	76·5	76·2	
25	0	75·8	75·0	73·8	73·3	74·0	74·1	75·1	77·1	78·2	76·5	76·1	
30	0	75·8	75·0	73·8	73·3	74·1	74·1	75·4	77·2	77·6	76·5	76·2	
35	0	75·9	74·8	73·8	73·8	74·0	74·2	75·3	77·2	77·3	76·5	76·4	
40	0	75·9	74·8	73·8	73·7	74·1	74·7	75·5	77·4	77·2	76·5	76·3	
45	0	75·9	74·7	73·9	73·9	74·0	74·7	75·7	77·4	77·1	76·2	76·2	
50	0	75·4	74·4	73·8	73·8	74·1	74·6	75·9	77·5	76·9	76·3	76·2	
55	0	75·6	74·2	73·7	73·9	74·1	74·6	76·0	77·7	76·9	76·1	76·1	
			One Scale Division = '000229 parts of the H. F.					HORIZONTAL FORCE.					
M.	s.	111·0	111·5	111·7	110·8	109·2	108·4	108·1	108·4	109·0	109·3	109·7	
2	0	110·6	111·6	111·7	110·6	109·2	108·1	108·0	108·2	109·1	109·5	109·8	
7	0	110·4	111·6	111·7	110·6	109·1	108·2	108·2	108·2	109·4	109·6	109·9	
12	0	110·5	111·8	111·8	110·4	109·0	108·1	108·3	108·3	109·4	109·6	109·8	
17	0	110·5	111·9	111·6	110·1	108·9	107·8	108·3	108·4	109·5	109·7	109·8	
22	0	110·7	112·0	111·5	109·9	109·1	108·0	108·2	108·5	109·0	109·8	109·8	
27	0	111·0	111·9	111·4	110·0	108·9	108·1	108·2	108·6	108·9	110·0	110·0	
32	0	111·4	111·7	111·2	109·9	108·8	108·5	108·2	108·6	108·7	109·8	109·7	
37	0	111·4	111·7	111·2	109·9	108·4	108·1	108·2	108·8	108·7	109·8	109·7	
42	0	111·2	111·7	111·2	109·8	108·5	108·1	108·4	108·8	109·3	109·9	109·7	
47	0	111·4	111·6	111·1	109·7	108·4	108·5	108·3	108·9	109·3	110·0	109·7	
52	0	111·4	111·7	110·9	109·3	108·6	108·0	108·5	109·0	109·2	110·0	109·6	
57	0												
Thermometer			46·5	46·8	46·8	47·2	47·2	47·2	47·8	47·9	47·9	47·8	47·8
			One Scale Division = '000036 parts of the V. F.					VERTICAL FORCE.					
M.	s.	107·7	105·0	104·2	105·8	108·3	109·1	109·5	109·3	—	107·6	104·3	
3	0	107·7	105·0	104·3	106·0	108·3	109·0	109·4	109·9	108·0	105·6	104·8	
8	0	107·3	104·7	103·5	106·4	109·0	109·0	109·4	109·4	108·0	104·9	105·1	
13	0	107·3	104·5	104·6	105·9	108·7	109·2	109·5	109·9	107·9	105·5	105·0	
18	0	107·1	104·5	104·7	107·2	108·7	109·1	110·0	110·0	107·9	105·5	104·4	
23	0	107·1	104·2	104·9	107·3	108·9	109·3	110·0	110·0	107·9	105·2	104·5	
28	0	107·1	104·2	104·0	107·8	108·9	109·1	110·0	110·0	107·9	105·0	104·5	
33	0	106·7	104·2	104·2	108·1	108·9	109·0	109·4	109·3	107·4	105·0	105·0	
38	0	106·1	103·9	105·9	107·7	109·0	108·6	109·8	108·7	107·4	104·8	104·9	
43	0	105·6	103·9	105·3	108·4	109·0	108·8	109·8	109·6	108·1	104·8	105·6	
48	0	105·6	103·9	105·3	108·5	109·3	108·9	109·5	108·3	106·7	104·8	104·5	
53	0	105·3	103·9	105·7	108·0	109·1	109·5	109·8	108·9	107·6	105·2	104·9	
58	0												
Thermometer			46·0	46·2	46·2	46·6	46·8	47·0	47·2	47·3	47·3	47·3	47·5
Increasing Numbers denote increasing easterly Declination,													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°								
19	10	0	29·134	40·0	39·3	N.W. by N.	Fresh breeze.	1·00	Gloomy and overcast, with rain.				
	11	0	29·122	40·0	39·5	N.N.W.	Moderate breeze.	0·00	Rain in passing squalls, with fine intervals.				
	12	0	29·105	41·2	41·1	N.N.W.	Moderate breeze.	0·00	Clouds nearly all dispersed, leaving nearly a clear sky; wind much abated.				
	13	0	29·121	42·8	41·8	N.N.W.	Gentle breeze.	0·00	Dark squalls, with rain constantly forming and passing over; fine clear sunshine at intervals.				
	14	0	29·121	41·8	39·7	N.W.	Light breeze.	1·00	Overcast and gloomy, with rain squalls.				
	15	0	29·057	42·0	40·8	N.	Strong breeze.	1·00	Cir. and nim. clouds; gloomy.				
	16	0	29·081	41·2	39·4	N.N.W.	Fresh breeze.	1·00	Thick weather with hard rain and snow.				
	17	0	29·057	39·8	39·0	N. by W.	Strong breeze.	0·25	Blue sky; soft cum.				
	18	0	29·057	40·4	38·2	N.N.W.	Fresh breeze.	1·00	Overcast and squally.				
	19	0	29·066	38·4	36·6	N.W. by N.	Fresh breeze.	0·50	Continued rain; squalls.				
	20	0	29·093	37·8	36·5	N.N.W.	Moderate breeze.	0·50	Constant rain squalls; cold raw atmosphere.				

MAGNETICAL OBSERVATIONS. June 19th and 20th.

DECLINATION. Angular Value of One Scale Division = 0'71.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div. 76.2	Sc. Div. 75.7	Sc. Div. 75.6	Sc. Div. 74.8	Sc. Div. 75.0	Sc. Div. 74.5	Sc. Div. 74.8	Sc. Div. 75.2	Sc. Div. 75.9	Sc. Div. 77.1	Sc. Div. 76.5	Sc. Div. 75.8	Sc. Div. 75.0
76.2	75.7	75.4	74.8	75.0	74.7	74.8	75.2	75.8	76.6	76.2	75.5	75.3
76.1	75.9	75.4	74.8	75.1	74.5	74.8	75.3	75.9	76.4	75.9	75.4	75.0
76.1	76.0	75.2	75.2	75.6	74.3	74.6	75.4	75.9	76.3	75.9	75.5	75.2
75.9	76.0	75.2	75.2	76.5	74.2	75.0	75.6	76.0	76.2	75.9	75.9	75.8
76.0	75.9	75.1	75.2	76.0	74.2	75.1	75.6	75.9	76.2	75.6	75.4	75.7
76.1	75.8	74.9	75.2	74.9	74.2	75.1	76.0	75.9	76.0	75.5	75.3	75.6
76.1	75.8	75.1	75.0	74.3	74.2	75.1	75.8	76.0	76.1	75.6	75.3	75.7
76.0	75.5	75.2	75.0	74.8	74.2	75.0	75.7	76.1	76.3	75.3	75.2	75.7
75.9	75.3	75.0	75.1	74.9	74.3	75.0	75.7	76.4	76.5	75.2	75.4	75.5
75.8	75.4	75.0	75.2	74.2	74.5	75.1	75.8	76.9	76.4	75.0	75.2	75.8
75.7	75.3	75.0	75.0	74.3	74.7	75.2	76.0	77.1	76.6	75.0	75.2	76.1

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah. = .000234.

109.6	109.1	109.3	109.4	109.6	109.4	109.5	109.8	110.6	110.9	111.2	111.6	112.1
109.6	109.0	109.2	109.3	109.5	109.4	109.5	109.7	110.7	110.9	111.2	111.9	112.1
109.5	109.2	109.0	109.4	109.9	109.4	109.5	109.7	110.6	111.0	111.3	111.8	112.1
109.3	109.1	109.1	109.3	110.6	109.2	109.5	109.6	110.6	111.0	111.4	111.9	112.1
109.5	109.1	109.1	109.4	110.3	109.4	109.5	109.7	110.5	110.9	111.4	111.8	112.0
109.5	109.0	109.0	109.4	109.5	109.4	109.5	109.9	110.4	111.0	111.3	111.9	111.7
109.5	109.1	109.1	109.4	109.2	109.5	109.6	110.1	110.4	110.9	111.4	112.0	111.5
109.4	109.1	109.3	109.7	109.4	109.5	109.5	110.2	110.4	111.0	111.5	112.0	111.2
109.5	109.0	109.1	109.6	109.6	109.5	109.5	110.2	110.4	111.0	111.5	112.2	111.2
109.4	109.0	109.1	110.0	109.4	109.4	109.6	110.3	110.5	111.3	111.5	112.1	111.3
109.4	109.1	109.0	109.9	109.4	109.4	109.6	110.3	110.5	111.2	111.5	112.2	111.1
109.3	109.2	109.3	109.7	109.4	109.4	109.6	110.4	110.7	110.9	111.5	112.0	111.3
47.8	47.8	47.8	47.6	47.3	47.2	46.8	46.6	46.4	46.4	46.0	46.2	46.1

VERTICAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah. = .00021.

104.4	105.2	104.9	105.4	104.9	107.1	107.8	108.4	107.5	109.1	107.5	106.6	106.2
104.7	105.2	104.6	105.9	105.1	106.8	107.6	109.1	107.8	107.6	107.2	106.6	106.4
105.1	105.7	104.6	104.7	106.0	107.2	107.6	109.2	108.0	107.6	107.2	106.1	107.1
104.1	105.4	104.6	105.7	105.5	107.2	106.9	109.3	107.8	107.1	106.7	106.6	107.1
104.6	105.7	104.9	105.9	105.5	107.0	108.2	109.1	107.6	107.0	106.4	106.7	107.3
104.4	104.9	105.0	105.7	104.6	107.0	108.2	108.9	108.5	107.0	106.6	106.6	107.4
104.7	105.7	105.1	105.5	104.9	107.0	108.0	108.9	108.5	107.3	106.8	106.6	107.6
104.8	105.3	105.1	105.5	105.1	107.0	108.0	109.6	108.6	107.3	106.7	106.6	108.9
105.0	105.3	105.0	105.2	105.9	107.6	108.5	109.2	109.1	107.3	106.7	106.4	109.2
105.0	104.3	105.0	105.2	105.8	107.6	108.5	108.8	108.5	107.5	106.0	106.7	109.7
105.0	104.7	105.0	104.8	106.0	107.6	108.5	107.9	109.8	107.5	106.2	106.4	109.7
105.5	105.0	105.4	104.6	106.5	108.1	108.5	107.9	108.8	107.8	106.5	105.9	109.2
47.4	47.4	47.4	47.2	47.0	46.7	46.3	46.2	46.0	45.9	45.8	45.5	45.4

and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.		
		Dry.	Wet.	Direction.	Force.				
D. 21	H. 0	M. 29.113	37.2	36.0	N.W.	Fresh breeze.	1.00	Constant showers and squally breeze.	
19	22	0	29.080	36.2	35.2	N.N.W.	Moderate breeze.	0.00	Constant showers and squally breeze.
	23	0	29.138	36.2	34.6	N.W.	Fresh breeze.	1.00	Overcast and gloomy, with snow.
20	0	0	29.108	35.0	34.0	N.W.	Fresh breeze.	0.00	Clear sky and fine.
	1	0	29.115	34.7	34.2	N.W. by N.	Moderate gale.	0.00	Thick snowing weather.
	2	0	29.119	34.3	34.2	N.	Strong breeze.	0.00	Thick snowing weather.
	3	0	29.101	34.4	33.4	N. by W.	Strong breeze.	0.00	Snow squalls with fine intervals.
	4	0	29.102	34.6	33.9	N. by W.	Fresh breeze.	1.00	Overcast and gloomy; squally.
	5	0	29.121	34.6	34.2	N.N.W.	Fresh breeze.	0.00	Snow squalls; clear in the intervals.
	6	0	29.127	34.2	33.5	N.W. by N.	Fresh breeze.	0.00	Passing snow squalls; clear in the intervals.
	7	0	29.159	34.0	33.5	N.W.	Fresh breeze.	0.00	Passing squalls, with snow at times.
	8	0	29.160	34.0	33.4	N.N.W.	Fresh breeze.	0.00	Clear sky, snow continuing to cover the ground.
	9	0	29.194	34.3	34.1	N.	Moderate gale.	0.25	A few cum. clouds and fine weather; snow.

July 24th and 25th.			MAGNETICAL OBSERVATIONS.									
Mean Göttingen Time.			Angular Value of One Scale Division = 0'.71.					DECLINATION.				
			10h.	11h.	12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.
M.	S.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.
0	0		75.7	75.2	73.0	71.5	72.6	75.7	79.4	79.9	80.0	82.5
5	0		75.6	75.1	72.8	71.7	73.0	76.0	79.9	80.7	80.7	82.9
10	0		76.0	75.2	72.6	71.6	73.0	76.2	79.6	80.4	80.7	82.5
15	0		75.8	74.9	72.3	69.9	73.1	76.3	79.1	80.5	82.0	82.1
20	0		75.8	74.6	72.3	71.8	73.6	77.5	79.5	80.5	82.8	81.6
25	0		75.8	74.6	72.1	71.4	74.0	78.4	79.9	80.4	82.5	81.6
30	0		75.8	74.2	71.9	71.7	74.2	78.5	79.6	79.8	82.2	81.0
35	0		75.8	74.1	71.8	71.8	74.6	78.7	79.9	80.3	81.8	81.7
40	0		75.7	73.8	71.8	72.1	75.3	79.3	80.0	81.5	81.2	82.5
45	0		75.6	73.8	71.7	72.0	75.4	78.6	80.0	83.4	81.8	83.1
50	0		75.4	73.5	71.6	72.3	75.5	79.3	80.1	82.3	82.0	83.4
55	0		75.2	73.2	71.6	72.5	75.4	79.2	80.1	80.0	82.0	82.7
			One Scale Division = .000229 parts of the H. F.					HORIZONTAL FORCE.				
M.	S.											
2	0		115.2	115.6	115.3	114.1	113.7	112.8	114.1	116.2	114.1	114.8
7	0		114.9	115.6	115.1	114.0	113.7	113.0	114.0	115.6	113.1	114.7
12	0		114.4	115.7	115.1	113.3	113.8	113.1	113.9	115.8	113.2	113.6
17	0		114.5	115.6	115.0	114.4	113.8	113.1	114.1	115.3	114.1	114.0
22	0		114.8	115.7	115.0	115.1	113.6	113.9	114.5	115.9	113.5	113.5
27	0		114.8	115.7	114.9	114.9	113.9	114.1	114.8	116.0	113.6	113.5
32	0		114.9	115.7	114.9	114.7	113.7	113.9	115.0	112.1	114.1	112.8
37	0		114.8	115.6	114.8	114.6	114.0	113.7	114.7	114.8	113.7	112.0
42	0		115.0	115.5	114.7	114.3	113.2	114.0	115.1	118.0	113.8	111.5
47	0		115.1	115.4	114.6	114.1	112.6	113.9	115.3	119.3	114.0	110.2
52	0		115.4	115.4	114.4	114.1	112.4	114.1	115.4	114.3	114.6	109.3
57	0		115.5	115.4	114.4	113.9	113.0	114.2	115.6	112.9	115.4	108.5
Thermometer			44.0	44.2	44.2	44.4	44.7	44.9	45.2	46.0	46.0	46.5
			One Scale Division = .000036 parts of the V. F.					VERTICAL FORCE.				
M.	S.											
3	0		119.4	118.0	117.4	118.1	115.0	114.8	114.1	112.8	118.9	121.7
8	0		119.4	118.0	117.0	118.2	114.3	114.5	113.6	112.8	118.9	121.1
13	0		119.4	118.0	116.5	116.4	115.1	114.1	114.1	113.9	121.1	121.9
18	0		119.0	118.2	—	117.6	114.4	114.2	114.1	113.9	121.1	121.9
23	0		118.7	118.0	117.0	115.2	114.5	114.1	113.1	113.5	121.6	123.0
28	0		118.7	118.0	117.0	114.4	114.8	114.1	113.1	115.6	122.2	123.0
33	0		118.7	117.8	117.6	115.3	114.5	113.6	113.1	113.3	121.5	123.8
38	0		118.7	118.0	118.0	114.2	114.5	113.6	113.2	115.8	121.5	124.6
43	0		118.7	118.0	118.3	114.4	114.7	113.5	112.3	116.0	122.8	126.6
48	0		118.3	117.8	118.3	114.4	114.8	114.2	113.3	112.6	122.5	129.1
53	0		118.3	117.8	118.5	115.1	114.7	114.1	112.6	113.6	121.1	130.0
58	0		118.3	117.4	118.5	114.3	114.9	114.0	111.6	115.5	121.7	130.0
Thermometer			43.5	43.6	43.6	44.0	44.2	44.7	44.8	45.4	45.8	46.2
Increasing Numbers denote increasing easterly Declination.												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.			
				Dry.	Wet.	Direction.	Force.					
D.	H.	M.	In.	°	°							
24	10	0	30.152	35.0	34.2	N.N.W.	Moderate breeze.	0.00	Clear; frosty sky and fine.			
	11	0	30.164	36.2	35.7	N.N.W.	Moderate breeze.	0.00	Clear sky and fine.			
	12	0	30.165	38.3	37.8	N.W.	Strong breeze.	0.00	Clear sky and fine.			
	13	0	30.160	41.0	39.8	N. by W.	Moderate gale.	0.00	A few light cum.; fine clear weather.			
	14	0	30.136	43.3	41.4	N. by W.	Moderate gale.	0.25	Scattered cum. and strat.; fine clear weather.			
	15	0	30.104	45.2	42.1	N.N.W.	Strong breeze.	0.30	Scattered cir. and cum.-strat.; cold atmosphere; fine weather.			
	16	0	30.085	46.2	43.3	N.N.W.	Strong breeze.	0.50	Sky nearly overcast; cum. and strat.; cold atmosphere; fine weather.			
	17	0	30.060	46.2	42.0	N. by W.	Strong breeze.	1.00	Overcast, with light cum.; appearance of rain.			
	18	0	30.057	45.2	41.6	N. by W.	Fresh breeze.	1.00	Sky entirely overcast; much appearance of rain; light fleecy nim. in various directions.			
	19	0	30.044	44.3	41.3	N. by W.	Moderate breeze.	1.00	Sky entirely overcast; a break in the clouds to N.W.			
	20	0	30.030	44.2	41.3	N.	Moderate gale.	1.00	Overcast with strat. and soft cum.; gloomy appearance.			
	21	0	30.032	44.1	41.3	N.N.W.	Strong breeze.	1.00	Overcast cum.-strat., and scattered portions of ragged cum.			

MAGNETICAL OBSERVATIONS. July 24th and 25th.

DECLINATION.												
												Angular Value of one Scale Division = 0°71.
21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div. 82°4	84°1	79°6	72°4	64°8	65°2	70°4	71°0	79°3	72°1	74°2	85°2	75°8
84°0	83°7	80°0	71°8	63°9	65°9	70°5	72°1	78°2	72°8	74°2	85°6	75°8
84°3	82°8	79°0	72°5	63°0	66°8	71°1	73°2	77°8	73°4	74°3	85°6	75°6
85°0	83°0	77°6	73°2	64°5	67°0	71°8	73°1	76°2	74°0	75°1	84°2	75°8
84°9	82°0	76°9	72°4	65°0	69°6	71°4	73°4	74°8	74°0	75°2	82°7	76°0
85°2	81°1	76°9	69°0	64°7	68°5	71°0	72°8	72°7	74°0	76°1	81°3	76°1
85°9	79°4	76°1	65°4	64°1	69°5	70°9	73°5	71°3	73°5	76°8	79°7	76°0
87°9	78°6	75°9	60°5	63°0	70°2	70°7	74°5	70°9	73°4	78°8	78°0	76°2
86°3	77°3	75°4	61°0	60°6	71°0	70°6	76°4	70°1	74°0	80°2	77°6	76°5
84°0	77°3	72°3	62°5	61°0	71°6	70°4	76°9	69°2	74°1	81°9	76°8	76°3
83°7	78°3	72°2	63°2	62°2	70°9	70°1	78°0	69°2	74°2	83°2	76°0	76°4
83°2	78°8	71°5	64°0	53°8	70°5	70°3	79°4	70°1	74°2	84°3	76°0	75°9

HORIZONTAL FORCE.												
												Change in the Magnetic moment of the Bar for 1° Fah°. = °000234.
109°3	102°4	106°1	106°5	106°5	102°9	107°0	105°2	114°0	107°0	106°3	106°5	108°5
109°1	103°3	105°6	105°6	106°0	103°5	106°6	106°5	114°3	106°5	106°1	107°0	109°0
108°9	104°0	104°5	104°8	107°4	103°8	107°0	107°1	113°6	106°6	106°0	107°3	108°7
108°5	105°2	103°4	104°2	108°4	104°3	107°9	108°3	113°6	106°9	105°9	107°4	108°5
108°3	105°8	103°4	103°6	107°9	104°9	107°7	109°2	113°0	107°3	105°8	108°1	108°5
108°6	106°4	103°0	104°0	107°4	105°4	107°5	109°1	112°3	107°1	105°7	108°2	108°4
108°0	106°8	101°7	103°1	106°0	105°7	107°3	109°6	111°2	106°9	106°0	108°3	108°3
107°7	107°6	101°6	106°2	104°9	106°4	107°3	110°2	110°1	106°7	106°0	108°6	108°3
107°3	107°3	101°2	106°5	105°3	106°9	106°4	112°3	108°6	106°5	105°9	108°7	108°1
107°1	107°7	101°8	106°0	105°1	107°2	106°1	113°3	107°9	106°6	105°6	108°6	108°2
106°4	107°0	102°6	106°4	103°9	107°6	105°7	114°3	107°3	106°6	105°9	108°7	107°9
104°9	107°0	105°7	106°8	102°8	107°6	105°3	114°5	107°1	106°5	106°3	108°5	107°9
46°9	47°2	47°0	47°2	47°8	47°8	47°8	47°8	48°0	48°1	48°0	48°2	48°4

VERTICAL FORCE.												
												Change in the Magnetic moment of the Bar for 1° Fah°. = °00021.
130°0	135°5	125°1	126°3	115°3	124°7	119°3	121°5	106°4	113°5	115°0	121°2	103°7
130°3	136°0	125°7	123°8	115°0	125°6	120°7	121°9	105°7	114°8	115°0	119°3	103°7
128°4	136°4	126°2	125°4	116°0	122°6	121°4	121°3	103°9	116°0	114°9	117°4	103°7
128°6	133°8	129°0	126°0	114°9	123°8	121°4	119°6	102°7	116°0	115°4	114°9	104°7
128°6	132°3	130°4	125°6	114°0	122°3	121°0	116°5	101°1	115°0	116°7	111°6	104°7
129°1	128°9	132°8	123°9	114°0	122°3	122°0	115°3	101°0	114°3	117°7	109°6	105°1
130°7	127°0	133°9	120°6	114°0	122°8	120°5	115°3	101°5	114°9	118°9	107°6	105°5
129°5	123°6	133°6	118°8	114°0	122°8	118°7	115°4	102°6	115°6	118°9	106°4	106°8
129°1	121°1	134°5	117°5	115°2	122°4	119°2	113°9	104°1	114°2	119°9	104°6	106°8
128°7	121°3	134°4	117°5	116°6	122°4	119°2	111°4	106°3	115°2	121°7	103°8	107°8
129°5	122°9	133°8	117°5	119°3	121°0	119°8	109°7	108°6	115°1	122°7	103°8	107°6
132°0	124°5	131°0	117°3	122°6	119°3	120°2	108°1	112°2	115°4	122°0	103°5	107°4
46°4	46°7	47°0	47°0	47°2	47°4	47°5	47°5	47°7	47°8	48°0	48°0	48°2

and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.		
		Dry.	Wet.	Direction.	Force.				
D. 24	H. 22	M. 0	In. 30°028	44°1	41°4	N.	Moderate gale.	0°80	Nearly overcast, with cum.-strat. broken in places.
			30°024	44°0	41°5	N.	Moderate gale.	0°50	Windy looking strat., with intervals of clear sky.
			29°996	44°0	41°4	N. by E.	Moderate gale.	0°40	An extended line of cum.-strat., from the N. point stretching to the zenith; the rest of the sky clear.
			30°000	44°0	41°2	N. by W.	Strong breeze.	0°30	Cum. and fine.
			29°998	43°5	41°8	N. by W.	Strong breeze.	0°50	Cir.-cum. and fine; squally unsettled sky.
			29°992	43°8	42°1	N. by W.	Moderate gale.	1°00	Cum.-strat., in close connected masses covering the sky, with an unsettled appearance throughout.
			29°984	44°2	42°3	N. by W.	Moderate gale.	1°00	Cum.-strat., in close connected masses covering the sky, with an unsettled appearance throughout.
			29°994	44°4	42°7	N.N.W.	Moderate gale.	1°00	Overcast; cum.-strat. and cum.
			29°994	45°0	43°3	N.N.W.	Fresh breeze.	1°00	Overcast; cum.-strat. and cum.; appearance of rain.
			30°012	45°0	43°7	N.N.W.	Gentle breeze.	0°80	Nearly overcast, with dark heavy cum.; gloomy appearance.
			30°024	45°2	43°7	N.W. by N.	Light breeze.	0°80	Nearly overcast with heavy cum.; appearance of rain.
			30°044	44°5	42°6	N.W. by N.	Light breeze.	0°50	Light cum. and fine.

August 30th and 31st.		MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.		Angular Value of One Scale Division = 0'71.						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	74'9	73'8	73'7	72'4	74'5	77'0	79'2	82'0	83'6	79'2	78'0
5	0	74'8	73'9	73'3	72'4	74'4	77'5	79'3	81'8	83'4	78'7	77'7
10	0	74'7	73'4	73'0	72'8	74'9	77'6	79'2	82'1	82'2	79'1	77'7
15	0	74'1	73'8	73'0	73'6	75'5	77'8	79'9	82'9	82'0	79'4	77'7
20	0	73'8	73'8	72'7	74'0	75'3	77'9	80'6	82'8	81'1	79'5	77'9
25	0	73'7	73'9	72'1	73'7	75'3	78'6	81'7	83'0	80'1	79'8	78'0
30	0	72'9	73'7	71'5	73'1	75'2	78'5	82'0	83'2	79'8	79'2	77'8
35	0	72'8	73'1	71'9	73'5	75'3	78'4	82'0	83'0	79'5	79'0	78'1
40	0	72'8	72'7	72'0	72'9	75'2	78'6	81'5	82'7	79'9	79'3	77'8
45	0	73'0	73'4	72'2	73'0	75'8	78'4	82'3	83'0	79'5	79'5	78'5
50	0	73'2	73'5	72'5	73'9	76'0	79'0	82'2	82'8	79'8	78'3	78'1
55	0	73'4	73'5	72'4	74'5	76'7	79'2	81'8	83'3	79'4	78'2	78'5

M.		S.		One Scale Division = '000229 parts of the H. F.						HORIZONTAL FORCE.			
2	0	107'6	107'6	108'4	104'0	103'6	104'7	104'9	103'6	97'5	105'0	102'8	
7	0	107'9	107'4	107'7	104'0	103'9	104'3	104'7	103'8	97'4	105'5	—	
12	0	107'4	107'6	107'9	102'9	103'1	104'2	104'7	104'5	97'8	105'4	104'3	
17	0	107'4	107'4	107'8	101'4	103'6	104'2	105'0	104'8	99'4	105'2	104'8	
22	0	107'2	107'2	107'5	100'5	104'1	104'5	105'1	104'0	99'3	105'0	105'2	
27	0	107'2	107'2	106'9	100'9	104'6	104'4	105'5	104'1	99'9	105'1	104'5	
32	0	107'3	106'8	106'9	101'5	105'0	104'3	105'0	104'0	100'8	104'4	103'7	
37	0	107'5	106'7	106'6	102'6	105'5	104'5	105'0	104'2	101'5	104'1	103'7	
42	0	107'8	106'9	106'0	103'3	105'7	104'3	104'2	103'0	101'8	104'2	103'8	
47	0	107'7	107'0	105'7	104'2	105'5	104'7	104'0	100'8	102'7	103'9	104'1	
52	0	107'8	107'5	105'2	103'8	105'1	104'6	104'0	99'7	103'3	104'5	104'2	
57	0	107'8	107'7	104'5	103'4	105'0	104'8	103'9	98'5	104'1	103'3	104'8	

Thermometer	48°0	48°0	48°2	48°8	49°0	49°4	50°0	50°2	50°7	51°0	51°4
-------------	------	------	------	------	------	------	------	------	------	------	------

M.		S.		One Scale Division = '000037 parts of the V. F.						VERTICAL FORCE.			
3	0	111'5	110'9	112'2	116'4	117'3	108'7	108'6	115'1	125'7	109'1	108'8	
8	0	112'1	111'3	111'4	117'8	115'8	110'3	108'6	115'1	126'0	108'1	109'7	
13	0	111'2	111'1	111'6	119'4	116'4	110'8	109'3	114'7	125'9	106'6	108'8	
18	0	110'7	111'8	111'7	121'2	116'7	111'2	109'3	114'7	125'5	106'2	108'8	
23	0	110'8	112'5	111'5	123'9	116'2	111'1	110'8	114'5	120'6	107'1	107'2	
28	0	111'1	113'4	111'8	123'2	112'6	110'5	111'6	114'5	120'3	109'2	107'9	
33	0	110'2	112'3	111'0	123'3	111'5	110'0	111'6	115'3	118'4	108'5	107'4	
38	0	110'5	113'2	111'1	120'5	109'7	109'7	111'6	117'2	117'3	109'0	107'6	
43	0	110'7	112'6	113'3	119'4	108'8	109'3	114'6	118'2	114'7	109'7	108'7	
48	0	109'9	112'8	112'2	117'4	107'6	109'3	113'8	119'2	113'8	109'3	109'0	
53	0	110'5	113'4	114'6	117'4	107'2	109'1	113'8	121'5	112'0	109'1	108'0	
58	0	110'3	113'0	115'0	118'1	109'9	108'9	113'8	124'5	111'5	109'3	106'6	

Thermometer	48°0	47°4	47°4	47°8	48°0	48°4	49°0	49°8	50°0	50°4	50°6
-------------	------	------	------	------	------	------	------	------	------	------	------

Increasing Numbers denote increasing easterly Declination.

METEOROLOGICAL OBSERVATIONS.											
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.		
				Dry.	Wet.	Direction.	Force.				
D.	H.	M.	In.	41'2	38'7	S.	Light breeze.	0'50	Sky partially covered with light cum.; fine weather. A bank of cum. to E. & S.E., the rest of the sky clear; a cold raw atmosphere. A bank of cum. to E., the rest of the sky clear; very fine weather; cold atmosphere. Clouds dispersed in various directions. A fine clear morning; large masses of cum. Large patches of cum. to the S.; misty. Light fleecy cir.-cum. in zenith; dense connected patches surrounding the horizon. A thin cir. haze generally spread over the sky, with cir.-cum. in various directions. A thin cir. haze generally spread over the sky, with cir.-cum. in various directions. Thin hazy cir. and strat. in all directions; fine weather; cold atmosphere. Thin hazy cir. and strat.; fine; cold atmosphere.		
30	10	0	30'102	41'2	38'7	S.	Light breeze.	0'50			
			30'116	41'4	39'6	S.	Light air.	0'40			
			30'138	43'8	41'9	S.	Light air.	0'25			
			30'129	46'0	43'0	S.S.E.	Light breeze.	0'30			
			30'121	48'0	44'2	S.S.E.	Gentle breeze.	0'40			
			30'101	49'8	44'9	S.S.E.	Light breeze.	0'25			
			30'077	50'3	45'2	S.E. by S.	Gentle breeze.	0'50			
			30'066	51'2	46'4	S.E. by E.	Gentle breeze.	1'00			
			30'060	51'8	46'6	S.E. by E.	Light breeze.	1'00			
			30'070	51'4	45'9	E. by S.	Light air.	1'00			
			30'076	49'8	44'9	E.N.E.	Light air.	1'00			

MAGNETICAL OBSERVATIONS. August 30th and 31st.

DECLINATION. Angular Value of one Scale Division = 0'71.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div. 77.8	Sc. Div. 68.9	Sc. Div. 72.7	Sc. Div. 70.0	Sc. Div. 70.9	Sc. Div. 70.8	Sc. Div. 73.3	Sc. Div. 73.8	Sc. Div. 79.5	Sc. Div. 75.2	Sc. Div. 75.8	Sc. Div. 76.5	Sc. Div. 74.9
76.9	64.4	73.7	69.3	71.7	71.8	73.5	73.6	78.6	75.0	75.5	77.5	75.2
76.2	65.0	74.6	69.6	72.0	72.0	73.8	72.9	77.4	75.1	75.1	78.5	75.3
75.4	65.7	74.3	69.6	73.3	71.4	74.6	72.8	75.9	75.2	74.8	78.9	75.5
75.7	68.5	74.4	69.8	73.0	71.2	75.8	72.8	75.2	75.2	74.5	78.4	75.4
75.0	70.1	74.7	71.0	71.4	71.4	77.8	73.1	74.8	74.8	74.3	77.8	75.4
75.6	68.8	74.5	71.7	70.2	72.2	79.1	73.9	74.8	74.5	74.2	76.9	75.4
75.9	69.8	74.9	73.1	70.0	72.2	79.1	74.8	73.9	74.6	74.0	76.5	75.4
76.8	70.2	75.4	73.2	70.2	72.1	77.7	75.5	73.8	75.5	74.0	76.5	75.4
77.0	70.1	74.6	71.6	71.2	71.9	76.4	78.9	74.0	76.0	74.3	76.6	75.2
76.3	70.8	73.8	71.2	70.5	72.2	75.8	80.9	74.3	76.0	74.8	76.0	75.0
74.7	72.3	72.8	70.8	70.2	73.0	75.2	80.7	75.0	76.0	75.5	75.1	74.9

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.

104.7	102.0	104.9	105.0	109.1	104.5	103.5	105.8	105.9	104.4	105.2	104.8	106.2
104.7	104.6	103.9	105.5	108.0	104.8	103.5	105.5	105.9	104.4	105.1	104.9	106.4
104.1	108.1	103.7	106.9	107.5	104.3	104.1	105.4	106.0	104.3	105.2	104.9	106.6
104.4	110.4	103.2	109.7	105.7	103.9	104.8	105.6	106.1	104.5	105.0	105.1	106.8
104.5	110.9	102.9	111.3	103.5	103.7	105.6	105.5	106.1	104.5	105.0	105.0	107.0
104.4	109.1	102.8	111.7	103.5	103.8	106.3	105.4	105.9	104.5	105.1	104.7	107.2
104.4	109.4	102.8	110.6	104.0	103.7	105.9	105.0	105.3	104.6	104.9	104.6	107.2
104.5	109.2	102.8	109.6	104.0	103.2	105.8	104.4	105.5	104.5	104.9	105.0	107.2
104.8	108.0	103.6	109.0	104.3	103.7	105.9	104.6	104.6	104.5	104.8	105.7	107.1
104.5	108.0	103.6	109.4	104.2	103.7	106.1	105.7	104.3	104.5	105.0	106.2	106.5
103.5	107.5	103.4	109.5	103.8	103.6	106.0	105.7	104.5	104.5	104.7	106.2	106.3
102.3	106.1	104.4	109.5	104.0	103.5	105.5	105.9	104.3	104.7	104.9	106.2	106.4
51.8	51.8	52.0	52.0	52.0	51.8	51.8	51.6	51.8	51.8	51.4	51.5	51.6

VERTICAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.

105.0	100.3	101.3	103.1	93.9	106.6	108.7	101.9	103.5	103.1	103.3	105.3	100.0
104.5	98.9	106.3	101.5	95.1	106.4	109.2	102.3	104.1	103.6	101.6	105.3	99.6
104.0	94.8	108.3	100.6	98.3	105.2	108.1	102.5	100.9	102.2	102.2	106.2	99.2
104.0	92.2	107.6	96.9	100.0	106.2	108.6	100.4	98.5	104.2	101.2	106.2	98.8
103.5	90.8	108.4	94.2	102.3	106.1	108.7	100.6	97.7	101.9	101.4	104.9	98.2
104.2	88.4	110.5	91.6	104.3	107.6	107.9	100.8	98.4	102.3	101.8	104.0	98.2
104.8	89.5	110.5	91.2	104.9	107.5	106.4	102.7	98.7	102.3	101.8	104.0	98.0
106.1	90.0	111.7	92.6	104.9	108.6	106.0	103.3	99.5	102.2	101.8	104.0	98.3
106.1	92.9	109.8	93.0	106.1	107.3	104.6	106.1	99.5	103.6	101.8	103.0	98.3
105.3	93.5	109.8	93.3	105.4	108.6	104.2	107.9	101.3	103.3	102.7	102.3	99.1
106.0	96.0	107.6	93.3	105.4	108.3	103.7	108.1	102.6	103.3	103.3	101.4	99.3
103.9	98.4	106.0	93.0	106.5	108.4	100.6	106.4	102.1	102.9	104.0	100.4	99.3
51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.0	51.0	51.0	51.0	51.0	50.8

and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.	
		Dry.	Wet.	Direction.	Force.			
D. 21	H. 0	M. 30.086	47.0	43.6	—	Calm.	0.00	Clear sky, and fine.
30	22	0 30.093	45.0	42.5	E.N.E.	Light air.	0.25	Clear blue sky, except a few light cum. to W.
	23	0 30.089	44.0	41.6	—	Calm.	0.00	Clear sky and fine.
31	0	0 30.096	43.7	41.3	N.W. by N.	Gentle breeze.	0.25	A few cir.-cum. clouds to S. of zenith; clear and fine.
	1	0 30.100	43.8	41.6	N.W. by N.	Gentle breeze.	0.50	Strat. in considerable masses; dense towards the horizon, more disconnected near the zenith.
	2	0 30.092	44.0	42.1	N.W. by N.	Gentle breeze.	1.00	Sky entirely covered with one dense nim.
	3	0 30.096	44.4	42.5	N.W. by N.	Moderate breeze.	1.00	Sky covered with dense cum.-strat.; unsettled appearance.
	4	0 30.088	44.4	42.5	N.W. by N.	Moderate breeze.	0.50	Overcast with cir. and cum.-strat. except in zenith; windy appearance.
	5	0 30.090	45.0	43.0	N.	Light breeze.	0.80	The sky partially covered with dense masses of cum., with intervening bright portions of clear blue sky.
	6	0 30.086	44.0	42.0	N.	Moderate breeze.	0.25	The sky very much cleared.
	7	0 30.096	43.5	41.8	N.	Light breeze.	0.10	A fine clear night with but one cloud in zenith.
	8	0 30.093	43.2	41.8	N.	Gentle breeze.	0.25	Strat. forming in the eastern quarter of the sky.
	9	0 30.092	42.8	41.8	N.	Gentle breeze.	0.50	Strat. in disconnected and horizontal lines to E., beautifully illumined by the rising sun; windy looking cir. to N.N.W.

September 18th and 19th.		MAGNETICAL OBSERVATIONS.											
Mean Göttingen Time.		Angular Value of one Scale Division = 0'71.										DECLINATION.	
		10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .	
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	75'7	73'6	72'4	72'1	73'8	77'0	78'7	79'6	79'6	78'2	77'3	
5	0	75'5	73'7	71'9	72'2	74'5	77'1	78'6	79'6	79'4	78'3	78'3	
10	0	75'6	74'3	71'9	72'3	74'4	77'5	78'7	79'6	79'2	78'4	77'6	
15	0	75'5	73'9	71'5	71'8	74'5	77'2	79'1	79'7	79'2	78'4	77'4	
20	0	75'0	73'8	71'6	72'1	74'5	77'2	79'1	79'7	79'2	78'2	77'3	
25	0	75'0	73'2	71'3	72'2	75'0	77'0	79'2	79'7	78'8	78'2	77'4	
30	0	74'9	72'6	71'2	72'4	75'3	77'2	79'2	79'7	78'8	78'1	77'3	
35	0	74'7	72'6	71'5	72'6	75'5	77'6	79'1	79'7	78'6	78'0	77'3	
40	0	74'6	72'2	71'5	73'0	75'8	77'7	79'6	79'7	78'5	77'8	77'3	
45	0	74'5	72'4	71'9	73'4	76'0	77'9	79'6	79'7	78'7	77'7	77'2	
50	0	74'3	72'1	72'1	73'5	76'4	78'3	79'9	79'6	78'4	77'5	77'2	
55	0	74'1	72'0	72'1	73'2	76'7	78'5	79'6	79'6	78'2	77'5	77'1	
		One Scale Division = '000229 parts of the H. F.										HORIZONTAL FORCE.	
M.	s.												
2	0	110'1	111'0	111'0	109'7	108'1	107'4	107'5	109'0	110'4	110'0	108'7	
7	0	110'1	110'8	111'2	109'5	108'1	107'5	107'5	108'7	110'3	110'3	108'7	
12	0	110'0	110'7	110'9	109'4	107'7	107'1	108'0	109'4	110'4	110'2	108'9	
17	0	110'6	110'8	110'6	109'8	107'7	106'8	109'0	108'9	110'5	110'1	108'9	
22	0	110'9	110'9	110'6	109'4	107'7	106'4	108'0	109'4	110'4	110'1	109'1	
27	0	111'0	111'0	110'6	109'6	107'7	106'0	109'7	109'7	110'1	109'0	109'2	
32	0	111'3	110'9	110'3	110'0	107'9	106'3	113'2	109'9	110'2	108'9	109'1	
37	0	111'2	111'1	110'3	109'9	107'6	106'7	108'0	109'6	110'0	109'0	109'0	
42	0	110'7	111'2	110'2	108'8	107'5	106'5	108'6	109'1	110'3	108'8	108'9	
47	0	111'3	111'3	110'3	108'7	107'5	107'1	108'7	109'4	110'4	108'8	108'9	
52	0	111'3	111'2	110'2	108'3	107'5	107'5	109'6	109'6	110'0	108'7	109'0	
57	0	111'3	111'3	110'1	108'0	107'5	107'7	109'4	109'6	110'1	108'8	109'1	
Thermometer		49'4	49'8	50'0	50'0	50'6	50'7	50'8	51'0	50'7	51'2	51'4	
		One Scale Division = '000036 parts of the V. F.										VERTICAL FORCE.	
M.	s.												
3	0	105'3	99'9	100'5	103'3	106'8	108'5	107'0	104'2	103'2	102'9	103'5	
8	0	104'9	101'0	101'3	103'1	107'6	107'1	106'6	105'1	103'4	102'7	102'9	
13	0	104'9	101'5	100'8	103'7	108'0	108'6	105'8	103'4	103'1	103'2	102'0	
18	0	103'3	101'6	100'3	103'7	106'7	108'4	106'2	103'2	103'1	103'2	102'1	
23	0	101'6	101'5	101'3	104'0	108'4	108'5	105'0	103'3	102'6	103'1	102'0	
28	0	101'6	101'0	100'8	103'6	108'4	109'1	103'2	103'3	102'3	103'9	102'0	
33	0	101'9	100'9	101'5	103'6	108'1	110'0	102'7	103'3	102'3	104'3	101'3	
38	0	100'0	101'0	102'2	104'1	106'3	108'2	105'8	103'3	102'7	104'3	101'3	
43	0	101'2	101'2	102'2	105'1	106'5	108'1	105'3	102'9	102'7	103'9	101'6	
48	0	100'5	101'2	102'8	105'7	107'4	108'6	104'8	103'7	103'1	103'5	101'6	
53	0	99'9	100'8	103'1	105'5	107'8	108'2	105'2	104'6	103'1	103'5	101'6	
58	0	100'8	101'5	103'1	106'0	108'1	107'8	104'4	104'6	103'1	103'3	101'4	
Thermometer		48'4	48'8	49'0	49'2	49'5	49'8	49'9	50'0	50'2	50'3	50'4	

Increasing Numbers denote increasing easterly Declination.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
				Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	°				
18	10	0	29'710	44'1	43'8	S. by E.	Light air.	1'00	Gloomy and overcast, with occasional light drizzling rain.
	11	0	29'714	44'8	44'8	S. by E.	Light breeze.	1'00	Sky breaking a little in S.; overcast and gloomy; much appearance of rain.
	12	0	29'715	45'0	45'0	S.	Light breeze.	1'00	
	13	0	29'708	45'5	45'0	S.	Light breeze.	1'00	Overcast and misty, with thick drizzling rain.
	14	0	29'712	46'0	45'2	S.	Light breeze.	1'00	Overcast and misty; a light air from the S.; less rain.
	15	0	29'699	47'1	45'1	S.	Light breeze.	1'00	Overcast and misty; a light air from the S.; less rain.
	16	0	29'678	47'6	45'4	—	Light air.	1'00	Overcast; lowering sky, and nearly calm.
	17	0	29'672	48'5	45'8	—	Calm.	1'00	Gloomy; overcast and calm.
	18	0	29'674	48'4	46'2	—	Calm.	1'00	Overcast and gloomy.
	19	0	29'648	48'2	45'4	—	Calm.	1'00	Overcast and gloomy; calm.
	20	0	29'652	47'5	45'1	S. by E.	Light air.	1'00	Gloomy and overcast; calm.
	21	0	29'666	46'8	44'8	S. by E.	Light breeze.	1'00	Gloomy and overcast; calm.
						—	Calm.	1'00	Gloomy and overcast; calm.

MAGNETICAL OBSERVATIONS.													September 18th and 19th.		
DECLINATION.													Angular Value of one Scale Division = 0°71.		
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.		
77.1	76.9	76.0	70.2	70.1	73.7	71.9	74.1	74.9	74.5	74.1	73.3	76.5			
77.1	76.9	75.4	69.6	69.7	74.1	72.0	73.5	75.1	74.6	74.1	73.3	76.1			
77.0	76.9	74.5	69.1	70.3	73.5	72.2	73.5	75.0	74.6	74.0	73.1	76.3			
77.1	76.9	72.6	68.5	70.7	72.8	72.2	73.6	74.8	74.7	74.0	73.1	76.3			
76.9	76.8	71.4	67.7	71.1	71.8	72.6	74.0	74.5	74.7	74.0	72.7	75.7			
76.7	76.7	70.5	67.3	71.3	71.7	72.8	74.0	74.4	74.7	73.7	72.5	75.7			
77.1	76.7	70.1	67.3	72.1	71.4	73.2	74.1	74.5	74.4	73.4	72.8	75.5			
77.2	76.6	70.1	68.1	72.1	71.3	73.2	74.2	74.7	74.6	73.5	73.7	75.5			
77.3	76.4	69.9	69.1	71.3	71.6	73.2	74.4	74.9	74.7	73.8	75.1	75.0			
77.1	76.4	70.6	69.7	70.7	71.8	73.3	74.5	74.6	74.7	73.9	75.1	74.9			
77.0	76.2	70.8	69.7	71.3	72.2	73.8	74.5	74.7	74.4	73.9	75.5	74.5			
77.0	76.2	70.8	69.5	72.1	72.0	74.0	74.7	74.6	74.4	73.7	75.5	74.7			
HORIZONTAL FORCE.													Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.		
109.3	108.9	108.4	106.6	104.7	110.7	108.0	106.6	107.0	107.1	107.8	107.7	107.1			
109.4	109.1	108.4	106.7	105.3	112.0	108.0	106.6	107.1	107.2	107.8	107.7	106.6			
109.2	109.1	108.8	106.3	105.9	112.6	107.6	106.6	107.0	107.1	107.8	108.3	106.7			
109.1	109.1	109.1	105.7	105.5	112.5	107.2	106.8	107.1	107.1	107.9	107.7	107.5			
109.0	109.1	108.8	105.3	105.3	112.1	107.2	106.7	107.2	107.2	108.0	107.5	108.1			
108.7	109.1	108.4	104.9	105.5	111.5	107.1	106.6	107.2	107.1	107.9	107.5	108.1			
108.6	109.1	107.9	105.1	106.1	110.3	107.3	106.5	107.1	105.4	108.0	107.1	108.2			
108.5	108.7	107.3	105.3	105.7	109.5	107.2	106.5	106.9	107.5	108.0	107.1	107.7			
108.7	108.8	107.1	105.1	107.3	108.8	107.0	106.6	106.8	107.6	107.9	106.5	107.7			
108.8	108.7	107.1	104.7	107.7	108.3	106.9	106.7	106.6	107.5	107.8	106.1	107.7			
108.9	108.6	107.1	104.7	111.2	108.0	106.7	106.8	106.9	107.8	107.9	106.7	107.9			
108.9	108.5	107.1	104.7	112.1	107.7	106.7	106.9	107.1	107.8	107.9	106.7	108.1			
51.5	51.5	51.7	51.8	52.2	51.6	51.8	51.8	52.0	52.0	52.1	52.0	51.6			
VERTICAL FORCE.													Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.		
101.5	100.4	99.8	97.6	103.7	92.2	97.7	101.8	101.4	99.6	97.4	96.9	101.4			
101.2	100.3	99.1	98.4	103.5	91.4	98.1	101.5	100.6	99.4	97.2	96.2	102.0			
100.2	100.0	98.0	97.9	103.8	89.0	98.4	101.3	100.6	99.3	97.3	95.5	102.3			
96.9	100.1	94.4	98.1	103.8	88.0	98.9	101.2	100.1	99.0	96.9	95.5	100.8			
99.2	98.4	94.0	98.3	103.2	87.2	100.0	101.1	99.7	98.9	96.8	97.0	99.3			
99.5	99.3	94.7	98.3	102.8	88.1	100.0	101.1	99.5	98.9	96.5	96.9	97.7			
101.4	99.8	95.3	100.8	102.8	89.4	100.4	101.5	99.6	98.8	96.3	97.8	98.4			
101.4	99.1	96.4	101.4	102.0	91.0	100.4	101.7	99.8	98.9	96.5	99.3	98.6			
101.3	100.5	96.0	102.6	101.2	93.4	100.3	101.7	100.2	98.6	96.6	98.9	97.2			
101.0	98.6	99.2	103.5	99.1	95.2	101.1	101.6	100.5	98.4	96.9	98.8	96.4			
100.8	100.2	98.8	103.1	96.5	96.5	101.4	116.6	100.6	98.0	96.9	101.0	95.2			
100.4	99.2	100.3	103.3	93.7	97.3	101.8	101.6	100.3	97.7	96.8	100.7	96.4			
50.5	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.1	51.0	50.6			
and increasing Horizontal and Vertical Force.															
METEOROLOGICAL OBSERVATIONS.															
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.						
				Dry.	Wet.	Direction.	Force.								
D.	H.	M.	In.	°	°										
18	22	0	29.672	46.5	44.8	—	Calm.	1.00	Gloomy; sky breaking in the N.W.						
	23	0	29.671	46.0	44.8	—	Calm.	1.00	Overcast and gloomy; calm; the place of the ☽ discernible at times.						
19	0	0	29.663	45.7	44.6	—	Calm.	1.00	Overcast; clouds apparently breaking in some parts; a light air from S.						
	1	0	29.619	45.5	44.6	—	Calm.	1.00	Overcast and calm.						
	2	0	29.608	45.2	44.6	S.	Light breeze.	0.00	Calm, with light rain.						
	3	0	29.622	45.0	44.5	S.	Light breeze.	1.00	Overcast and gloomy; drizzling rain again commencing nearly calm.						
	4	0	29.606	44.8	44.6	S.	Light breeze.	1.00	Drizzling rain; gloomy, dark, and overcast.						
	5	0	29.584	44.4	44.4	—	Calm.	1.00	Gloomy; dark and foggy to W. with drizzling rain; calm.						
	6	0	29.578	44.5	44.3	—	Calm.	1.00	Foggy, with thick drizzling rain, and calm.						
	7	0	29.534	44.3	44.3	—	Calm.	1.00	Thickly overcast and calm, with light rain at times.						
	8	0	29.526	44.3	44.3	—	Calm.	1.00	Thick weather; calm, with drizzling rain.						
	9	0	29.525	44.2	44.2	—	Calm.	1.00	Calm, with drizzling rain.						

October 23d and 24th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of One Scale Division = 0°71.					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.	
0	0		66°3	65°0	64°8	68°2	74°5	81°5	85°5	85°8	83°7	79°8	77°8
5	0		66°5	65°1	64°8	68°6	75°2	82°2	85°6	85°6	83°5	79°7	77°7
10	0		66°1	65°3	65°9	69°1	75°8	82°3	85°7	85°4	83°2	79°3	77°3
15	0		65°9	65°3	66°0	69°9	76°2	82°9	86°1	85°3	82°9	79°1	77°1
20	0		66°1	64°5	66°1	70°1	77°1	83°2	86°2	85°1	82°8	79°2	76°9
25	0		65°9	64°9	66°5	70°6	77°7	83°9	86°2	84°9	82°5	79°0	76°9
30	0		65°0	64°8	66°4	71°2	78°2	84°2	86°1	84°8	81°9	78°9	76°8
35	0		65°3	65°0	66°7	71°8	78°8	84°4	86°2	84°7	81°6	78°3	76°7
40	0		66°1	64°9	66°8	72°4	79°2	85°0	86°2	84°3	81°3	78°3	76°3
45	0		65°6	64°9	67°4	73°0	79°8	85°1	86°2	84°3	81°2	78°2	76°2
50	0		65°0	64°7	67°9	73°8	80°4	85°4	86°1	84°0	80°3	78°1	76°2
55	0		65°0	64°3	68°2	74°0	81°1	85°5	85°9	83°9	80°0	78°0	76°3
			One Scale Division = °000229 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	0		101°9	98°3	94°3	92°5	91°2	93°9	97°3	99°7	102°1	102°9	102°9
7	0		101°1	98°3	94°3	92°5	91°4	94°2	97°6	99°7	102°1	102°6	102°4
12	0		100°7	97°9	93°9	92°2	92°0	94°6	98°2	99°7	102°1	102°5	102°5
17	0		100°3	97°5	94°0	92°0	92°0	94°8	98°2	100°1	102°5	103°7	102°3
22	0		100°5	97°3	94°1	91°7	92°2	95°0	98°4	100°1	102°5	103°3	102°3
27	0		99°6	97°1	94°1	91°4	92°4	95°3	98°4	100°3	102°3	102°8	102°5
32	0		100°3	96°1	93°6	91°3	92°5	95°6	98°7	100°6	101°9	103°1	103°1
37	0		100°1	96°1	92°9	91°5	92°6	96°0	99°0	100°8	101°7	103°3	103°1
42	0		99°9	95°5	92°7	91°7	92°9	96°1	99°2	—	101°9	102°8	102°7
47	0		99°5	94°9	92°7	92°0	93°2	96°6	99°4	101°2	102°7	103°1	102°5
52	0		99°5	94°5	92°5	91°7	93°6	96°6	99°6	101°5	101°2	102°5	102°1
57	0		98°7	94°5	92°7	91°6	93°6	96°9	99°6	101°7	102°0	103°0	102°0
Thermometer			58°0	58°0	58°2	58°7	59°0	59°5	59°9	60°3	60°4	60°4	60°5
			One Scale Division = °000037 parts of the V. F.					VERTICAL FORCE.					
M.	S.												
3	0		85°7	88°7	93°7	94°5	94°6	91°4	87°6	82°3	79°0	76°8	74°3
8	0		85°7	89°4	93°7	94°3	95°0	91°4	87°7	83°0	78°2	76°8	74°3
13	0		87°0	89°8	94°4	94°5	94°4	90°9	87°6	83°1	77°8	76°2	75°1
18	0		87°7	88°8	94°4	94°5	94°3	90°6	85°5	82°3	77°8	76°2	74°3
23	0		87°7	89°7	94°4	94°5	94°2	90°1	85°9	81°0	77°8	75°1	74°3
28	0		87°7	90°6	93°7	94°4	93°8	90°6	85°3	81°4	77°8	74°2	75°0
33	0		87°7	90°6	93°7	95°2	93°3	89°6	86°0	80°8	76°5	76°7	74°5
38	0		87°7	91°1	93°7	95°2	93°3	88°8	86°3	80°8	77°2	74°5	74°5
43	0		87°7	91°8	93°7	94°8	92°7	89°0	85°8	79°6	77°2	74°5	73°7
48	0		87°7	91°8	94°9	94°3	92°2	89°1	85°4	79°8	77°2	74°7	74°5
53	0		87°7	91°8	94°9	94°0	91°6	89°2	83°3	78°9	76°8	74°7	75°4
58	0		88°7	93°0	94°9	94°3	91°4	87°5	84°9	79°0	76°8	74°7	75°8
Thermometer			56°5	56°4	56°6	57°0	57°5	58°0	58°3	58°8	59°0	59°4	59°4
Increasing Numbers denote increasing easterly Declination,													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°								
23	10	0	29°090	53°0	51°3	N.N.W.	Fresh breeze.	0°00	Fine; with a fresh N.W. wind.				
	11	0	29°112	59°8	53°8	N.W.	Strong breeze.	0°00	Fine; patches of small cum.; fresh N.W. wind.				
	12	0	29°128	62°0	54°4	N.W.	Strong breeze.	0°20	Large masses of cum.; fresh N.W. wind; strong squalls.				
	13	0	29°142	61°8	52°2	N.W.	Moderate gale.	0°30	Squally gale from N.W.; cum. in detached masses passing rapidly over from that quarter.				
	14	0	29°143	62°6	53°6	N.W.	Strong gale.	0°00	Hard gale in squalls from N.W.; fine sky; some of the squalls very violent.				
	15	0	29°175	62°8	54°9	N.W.	Whole gale.	0°00	Strong N.W. gale; fine clear sky; detached masses of cum. constantly passing rapidly over.				
	16	0	29°214	62°8	51°8	N.W.	Strong gale.	0°00	Strong N.W. gale; fine clear sky; detached masses of cum. constantly passing rapidly over.				
	17	0	29°290	62°3	51°0	N.	Strong gale.	0°00	Strong N.W. gale and fine; cum. occasionally drifting rapidly over.				
	18	0	29°336	62°0	51°1	N.	Fresh gale.	0°00	Strong N.W. gale and fine; cum. occasionally drifting rapidly over.				
	19	0	29°384	62°0	50°0	N.	Fresh breeze.	0°00	More moderate; fine.				

MAGNETICAL OBSERVATIONS.												October 23d and 24th.	
DECLINATION.												Angular Value of one Scale Division = 0°71.	
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.	
76°4	75°8	76°2	75°7	72°9	71°0	71°0	73°6	75°1	74°5	75°1	74°1	71°7	
76°3	75°8	76°0	75°4	72°2	71°0	71°0	73°7	75°2	74°1	74°9	74°0	71°5	
76°5	75°8	75°9	75°4	71°6	70°9	71°1	73°8	75°1	74°0	75°0	73°9	71°4	
76°2	76°0	75°9	75°3	71°7	71°2	72°0	74°0	75°0	74°0	74°8	73°7	70°6	
76°2	76°0	75°9	75°3	71°5	71°2	72°8	74°2	74°9	74°2	74°9	73°5	70°5	
76°3	75°8	75°8	75°2	70°8	71°2	73°2	74°8	74°8	74°5	75°1	73°2	70°4	
76°4	75°8	75°7	75°2	71°0	71°0	74°0	74°8	74°8	74°9	75°0	73°1	70°2	
76°3	76°1	75°7	74°9	71°1	71°2	74°1	75°0	74°8	74°8	75°1	72°8	70°1	
76°2	76°2	75°6	74°8	71°3	71°4	73°9	74°9	74°3	74°8	74°6	72°6	69°8	
76°1	76°2	75°7	74°3	71°5	71°3	73°7	75°3	73°9	75°0	74°4	72°5	69°4	
76°2	76°2	75°6	74°2	71°2	71°4	73°6	75°3	74°0	75°0	74°4	72°0	68°9	
75°9	76°2	75°6	73°8	71°2	71°2	73°6	75°3	74°7	75°0	74°2	71°9	68°8	

HORIZONTAL FORCE.												Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.	
102°2	101°2	101°2	101°3	100°2	101°6	101°2	101°2	100°8	101°7	102°5	103°1	103°3	
102°2	101°0	101°1	101°3	100°2	101°3	101°0	100°8	101°3	101°7	102°5	103°2	103°5	
101°8	101°2	101°1	101°2	100°1	101°4	101°0	100°8	101°5	101°7	102°6	103°3	103°3	
101°8	101°1	101°1	101°2	99°8	101°6	100°9	100°7	101°5	101°5	102°7	103°4	103°2	
101°9	101°2	101°1	101°2	99°6	101°5	100°6	100°8	101°7	101°7	102°8	103°3	103°2	
101°9	101°3	101°0	101°1	100°3	101°2	100°6	100°8	101°7	101°8	102°8	103°4	103°0	
102°0	101°2	101°1	101°1	101°0	101°2	100°8	100°5	101°5	102°0	102°9	103°4	102°9	
101°8	101°3	101°1	101°0	100°9	101°8	100°7	100°8	101°7	102°0	102°9	103°4	102°8	
101°7	101°5	101°1	101°0	101°7	101°7	100°8	100°7	101°8	102°2	102°8	103°5	102°7	
101°4	101°2	101°2	101°0	101°3	101°9	101°2	100°8	101°4	102°3	103°1	103°4	102°5	
101°2	101°4	101°2	100°7	101°5	102°0	101°2	100°8	101°7	102°5	103°1	103°3	102°2	
101°0	101°3	101°3	100°4	101°5	101°8	101°2	100°8	101°9	102°5	103°2	103°4	102°1	
60°5	60°5	60°6	60°4	60°2	59°8	59°4	59°0	59°0	58°6	58°2	58°2	57°8	

VERTICAL FORCE.												Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.	
76°2	77°6	77°9	77°7	77°1	75°4	77°0	81°9	85°0	83°6	85°5	85°3	86°2	
76°2	78°1	78°3	76°7	77°6	75°7	78°1	81°6	85°0	83°6	85°5	86°1	86°6	
76°2	78°1	77°9	77°7	76°9	76°4	79°1	82°4	85°0	83°6	85°5	85°9	85°6	
76°7	78°4	77°8	77°0	—	76°4	80°1	83°5	84°3	83°6	85°5	86°2	85°9	
76°7	78°4	77°8	76°6	78°0	76°5	81°8	83°5	84°3	84°9	85°7	86°0	85°8	
76°7	77°9	78°9	77°6	77°6	75°7	82°7	84°3	83°6	85°2	85°7	86°1	86°5	
76°9	77°9	77°9	77°9	77°9	77°7	82°7	84°3	83°7	85°3	85°7	85°8	85°8	
76°9	78°2	78°2	78°1	77°9	76°4	82°7	84°3	83°7	85°3	85°6	86°4	86°9	
76°9	78°2	78°6	77°7	75°9	77°3	83°1	85°0	83°4	85°5	85°7	86°4	85°9	
76°9	77°9	79°3	77°1	75°4	77°9	81°4	85°0	83°4	85°5	85°7	86°2	87°3	
77°2	77°9	79°2	77°0	75°6	76°4	81°9	85°0	83°6	85°5	85°7	85°7	87°3	
77°6	77°9	76°6	77°9	75°2	76°5	81°9	85°0	83°6	85°5	85°9	85°6	87°7	
59°3	59°5	59°4	59°3	59°2	58°8	58°4	58°0	57°6	57°4	56°8	56°6	56°1	

and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.											
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.		
D.	H.	M.		Dry.	Wet.	Direction.	Force.				
	20	0	29°428	58°5	49°0	N.	Gentle breeze.	0°00	Soft cum. and fine.		
	21	0	29°479	54°8	47°0	W. by S.	Light breeze.	0°00	Soft cum. and fine.		
23	22	0	29°520	52°4	45°9	N.N.W.	Light breeze.	1°00	Wind nearly subsided; waterly looking cum. scattered about over the whole sky.		
	23	0	29°567	50°9	45°6	W. by N.	Light air.	0°50	Half clear sky; cum. in masses and fragments; nearly calm.		
24	0	0	29°565	49°3	43°7	N. by W.	Fresh breeze.	0°00	A few light cum., otherwise clear sky and bright D; fresh N. breeze.		
	1	0	29°569	47°8	42°7	N. by W.	Moderate breeze.	0°00	Nearly cloudless sky and clear weather.		
	2	0	29°568	46°5	42°2	N.	Fresh breeze.	0°00	A few light cum. upon a clear blue sky.		
	3	0	29°564	46°0	42°0	N.	Moderate breeze.	0°20	Sky clear in zenith; a few light clouds in N.		
	4	0	29°559	46°0	42°2	N.	Moderate breeze.	0°25	A fine clear night; a few light detached clouds in N.		
	5	0	29°534	45°4	41°6	N.	Strong breeze.	0°00	Soft detached cum.; fine and clear.		
	6	0	29°520	45°0	41°3	N.N.W.	Strong breeze.	0°00	Soft detached cum.; fine and clear.		
	7	0	29°514	44°8	41°2	N. by W.	Moderate breeze.	0°00	Fine and clear; moderate northerly wind.		
	8	0	29°536	44°2	41°3	N. by W.	Gentle breeze.	0°00	A few light cum.; fine clear weather.		
	9	0	29°536	45°5	42°8	N. by W.	Moderate breeze.	0°00	A few light cum.; fine clear weather.		

November 29th and 30th.			MAGNETICAL OBSERVATIONS.									
Mean Göttingen Time.			Angular Value of One Scale Division = 1''70.					DECLINATION.				
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .
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	72°0	70°5	69°0	72°7	77°2	80°9	84°8	86°4	86°1	83°8	80°8
5	0	73°1	70°2	70°0	72°7	77°2	81°1	85°2	86°2	86°1	83°2	80°5
10	0	71°8	70°2	70°5	72°9	78°2	81°8	85°2	86°2	86°1	82°8	80°4
15	0	72°5	70°9	69°0	73°1	78°2	82°1	85°2	86°1	86°0	82°3	80°2
20	0	73°0	70°7	70°2	73°5	78°6	82°2	85°4	86°0	85°8	82°2	80°2
25	0	72°5	70°0	71°0	74°0	78°8	82°5	85°8	86°0	85°5	82°0	80°0
30	0	73°2	69°9	70°0	74°7	79°4	82°8	86°0	85°9	85°2	81°8	80°0
35	0	71°8	69°8	70°8	74°9	79°6	83°4	86°2	85°9	85°0	81°3	79°6
40	0	71°1	69°0	71°0	75°2	79°9	83°6	86°0	85°9	84°8	81°2	79°4
45	0	71°0	69°0	72°0	75°7	80°2	83°7	86°0	85°9	84°3	81°0	79°2
50	0	70°8	69°8	72°6	76°7	80°4	84°2	86°0	86°0	84°1	81°0	78°9
55	0	71°2	69°2	73°0	77°1	80°5	84°4	86°0	86°0	84°0	80°8	78°8

M. s.		One Scale Division = '000188 parts of the H. F.					HORIZONTAL FORCE.					
2	30	120°1	118°0	115°0	113°0	111°2	114°4	117°0	119°4	118°6	118°7	119°0
7	30	120°0	117°9	115°0	112°8	111°6	114°2	117°9	119°0	118°8	119°1	118°8
12	30	120°3	118°0	114°4	112°6	111°1	114°3	117°5	119°0	118°7	119°0	119°2
17	30	121°1	117°3	114°0	113°0	110°8	115°0	117°2	118°9	118°8	118°8	119°8
22	30	120°2	117°0	114°4	112°6	110°8	115°1	117°5	118°8	118°5	118°8	120°0
27	30	121°0	116°8	114°2	112°6	111°7	115°5	117°5	118°4	118°0	119°2	120°0
32	30	119°8	116°0	114°5	112°2	112°3	116°0	118°0	118°0	118°0	119°0	120°0
37	30	119°8	115°5	113°4	111°8	113°2	115°9	118°0	118°0	117°8	119°0	120°0
42	30	119°2	115°0	114°5	111°5	113°3	116°2	118°0	118°1	118°0	119°0	120°0
47	30	118°8	115°3	114°2	111°6	114°2	115°8	118°4	118°0	117°8	118°8	120°8
52	30	119°0	114°8	113°8	111°6	114°3	116°2	118°8	117°9	118°0	119°0	120°8
57	30	118°2	115°8	113°3	111°5	114°4	116°1	119°2	118°2	118°2	118°8	120°8

Thermometer	54°8	54°3	54°0	54°0	53°8	53°3	53°3	53°2	53°2	53°3	53°5
-------------	------	------	------	------	------	------	------	------	------	------	------

M. s.		Induction Inclinator, one Sc. Div. = 0'502; p. = 4'8297; u. 14°'22.'										
0	0	58°2	56°2	53°9	57°0	61°4	65°6	70°9	73°0	72°8	70°8	67°8
5	0	60°0	56°0	54°7	56°6	61°3	65°9	71°2	73°0	73°1	70°8	67°4
10	0	58°2	56°1	55°0	56°8	62°6	66°2	71°3	72°9	73°0	70°2	67°5
15	0	59°2	56°2	53°8	57°4	62°1	66°9	71°3	72°8	73°0	69°8	67°4
20	0	59°6	56°0	54°9	57°5	62°1	67°1	71°5	72°7	73°0	69°3	67°3
25	0	59°1	55°5	55°3	58°3	62°4	67°3	72°0	72°5	72°7	69°2	67°1
30	0	59°7	55°3	55°0	58°6	62°9	68°0	72°1	72°2	72°2	68°8	67°1
35	0	58°0	54°9	55°2	58°7	63°1	68°6	72°4	72°0	72°0	68°5	66°6
40	0	57°1	53°9	54°8	59°2	63°6	69°1	72°4	72°1	71°2	68°2	66°6
45	0	57°0	54°0	56°6	59°8	63°9	69°4	72°4	72°2	71°0	68°0	66°5
50	0	56°9	54°6	57°1	60°7	64°4	70°0	72°5	72°4	70°8	67°8	66°5
55	0	57°3	54°0	57°3	61°3	64°8	70°3	73°0	72°4	71°0	67°8	66°4

Thermometer	55°7	55°5	55°8	55°5	55°2	53°4	53°9	53°5	54°8	55°2	55°0
-------------	------	------	------	------	------	------	------	------	------	------	------

Increasing Numbers denote increasing easterly Declination.

METEOROLOGICAL OBSERVATIONS.											
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.		
				Dry.	Wet.	Direction.	Force.				
D.	H.	M.	In.	°	°						
29	10	0	29°758	43°8	41°0	N.W.	Moderate breeze.	0°50	Passing squalls and showers, with general unsettled appearance.		
	11	0	29°769	47°0	44°0	W. by S.	Moderate breeze.	0°00	Thunder in the S.E. quarter, with showers of rain.		
	12	0	29°805	49°0	45°0	W. S. W.	Moderate breeze.	0°50			
	13	0	29°813	50°4	43°4	S.W.	Moderate breeze.	0°00	Sky covered with cum strat. with passing nim.; frequent showers of rain.		
	14	0	29°813	51°0	44°8	S.W.	Gentle breeze.	1°00			
	15	0	29°834	49°0	45°6	S.W.	Gentle breeze.	1°00	Squally, with intermittent showers; sky chiefly covered with dark cum.		
	16	0	29°856	49°2	44°2	S.W.	Gentle breeze.	0°50			
	17	0	29°864	46°5	41°4	S.	Moderate breeze.	0°50	Squally, with passing showers.		
	18	0	29°879	48°5	45°1	S.	Moderate breeze.	0°50			
	19	0	29°915	48°0	44°4	S. by W.	Moderate breeze.	0°00	Squally, with heavy hail storms occasionally.		
	20	0	29°946	51°0	44°6	S.S.W.	Fresh breeze.	0°00			
	21	0	29°968	49°1	42°3	S.S.W.	Strong breeze.	0°00	Passing squalls, with much frequency.		
									Fine; a squall having just passed over.		
									More settled in appearance, but still squally.		
									Weather more settled.		

MAGNETICAL OBSERVATIONS.												November 29th and 30th.		
DECLINATION.												Angular Value of one Scale Division = 1''70.		
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.	
78·8	78·2	77·8	77·2	76·2	75·5	76·2	76·8	76·4	76·3	75·9	74·7	72·0		
78·8	78·2	77·9	77·2	76·2	75·2	76·2	77·0	76·4	76·3	75·8	75·0	71·8		
78·6	78·1	77·8	77·2	76·2	75·2	76·1	77·3	76·9	76·4	75·6	74·8	71·9		
78·6	78·0	77·7	77·0	76·2	74·9	76·0	77·0	76·4	76·3	75·3	75·0	70·8		
78·5	77·9	77·4	77·0	76·1	74·8	75·8	76·8	76·1	76·1	75·2	74·9	70·1		
78·4	77·8	77·2	76·9	76·3	75·0	76·2	76·7	76·0	76·2	74·9	73·1	70·0		
78·5	77·8	77·3	76·9	75·5	75·2	76·8	76·7	75·9	76·1	74·7	73·3	70·0		
78·7	77·7	77·3	76·5	76·0	75·8	76·5	76·6	76·0	76·1	74·7	73·4	69·6		
78·6	77·6	77·4	76·4	75·8	76·0	76·8	76·4	76·0	76·1	74·4	73·2	68·9		
78·5	77·6	77·5	76·2	75·8	75·8	77·1	76·0	76·2	76·1	74·6	73·0	68·5		
78·5	77·8	77·7	76·0	76·0	75·8	76·9	76·1	76·2	76·1	74·6	72·6	68·1		
78·2	78·0	77·5	76·2	76·0	76·0	76·8	76·1	76·2	76·1	74·7	72·4	68·0		
HORIZONTAL FORCE.												Change in the Magnetic moment of the Bar for 1° Fah°. = °000093.		
119·8	119·6	119·4	119·5	119·4	119·7	119·8	119·1	119·0	119·9	120·2	121·6	122·0		
119·8	119·5	119·1	119·6	119·8	119·7	119·7	119·8	119·2	120·6	120·7	121·8	122·0		
119·9	119·9	119·4	119·8	120·0	119·4	119·4	120·0	119·1	120·5	121·1	121·9	121·9		
119·9	120·1	119·4	119·9	120·1	119·8	119·2	119·8	118·9	120·3	121·2	122·0	122·0		
119·9	120·3	119·6	119·5	120·0	120·3	119·0	119·9	118·8	120·2	121·1	122·0	121·8		
119·9	120·1	119·9	119·3	119·9	120·2	119·2	119·8	119·0	120·1	121·0	121·8	121·9		
119·9	119·9	119·9	118·9	119·9	120·2	119·3	119·6	119·0	120·0	121·1	122·2	121·8		
120·0	119·8	119·8	118·9	120·0	119·8	119·8	119·5	119·0	120·1	121·1	122·4	121·8		
120·0	119·8	119·8	118·8	119·9	119·5	119·3	119·3	118·9	120·1	121·1	122·2	121·5		
120·0	119·6	119·8	118·9	119·9	119·2	119·3	119·0	119·4	120·2	121·1	122·2	121·4		
120·0	119·4	119·8	119·1	119·9	119·4	119·2	119·0	119·4	120·2	121·1	122·0	121·4		
119·9	119·5	119·8	119·2	119·8	119·5	119·2	119·0	119·6	120·2	121·2	122·0	121·2		
53°5	53°4	53°4	53°6	53°6	53°5	53°5	53°2	53°0	52°8	52°6	52°5	52°0		
Induction Inclinometer, one Sc. Div. = 0°502; p. = 4°8297; u. = 14°22'.														
65·9	65·3	65·2	64·3	63·0	62·0	62·5	62·9	62·2	62·2	62·2	61·1	58·8		
65·4	65·4	65·2	64·1	63·0	62·0	62·3	62·9	62·3	62·1	62·2	61·2	58·6		
65·6	65·2	65·0	64·1	63·1	61·8	62·2	63·2	62·6	62·2	62·1	61·3	58·5		
65·7	65·2	65·0	64·1	63·2	61·2	62·0	62·9	62·3	62·1	62·0	61·4	57·4		
65·6	65·1	64·8	64·0	62·9	61·1	61·8	62·7	61·8	62·2	61·8	61·8	56·9		
65·3	65·2	64·7	63·8	62·6	61·2	62·2	62·8	61·6	62·3	61·4	60·0	56·8		
65·5	65·1	64·8	63·4	62·4	61·5	62·8	62·6	61·6	62·3	61·2	60·0	56·5		
65·7	65·0	64·8	62·9	62·1	62·1	62·9	62·4	61·9	62·3	61·0	60·3	55·9		
65·8	64·9	64·9	62·9	62·0	62·3	63·0	62·1	61·7	62·3	60·9	60·0	55·2		
65·7	65·0	64·9	62·7	62·0	62·2	63·2	62·0	61·9	62·4	60·9	59·9	54·9		
65·9	65·1	65·0	62·6	62·1	62·2	63·2	62·0	62·0	62·3	60·9	59·4	54·7		
65·5	65·2	64·5	62·7	62·0	62·2	62·9	62·0	62·0	62·3	61·0	59·0	54·0		
55°0	54°6	54°7	55°0	54°6	55°2	54°5	54°2	54°0	53°0	53°7	53°6	52°5		
and increasing Horizontal and Vertical Force.														
METEOROLOGICAL OBSERVATIONS.														
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.					
				Dry.	Wet.	Direction.	Force.							
D.	H.	M.	In.	°	°									
29	22	0	29·997	46·4	41·7	S.W.byS.	Light air.	0·00	Fine weather; cum. in detached masses.					
	23	0	30·024	44·8	40·2	S.W.	Light breeze.	0·50	Blue sky visible in parts; cum. and cum.-strat.					
30	0	0	30·043	44·2	40·4	S.S.W.	Gentle breeze.	0·20	Blue sky; a few soft cum. clouds.					
	1	0	30·058	44·3	40·3	S. by W.	Gentle breeze.	0·10	Fine, with passing cum. and light breeze.					
	2	0	30·066	43·5	40·1	W.S.W.	Gentle breeze.	0·50	Fine cum. and cum.-strat. in heavy masses.					
	3	0	30·069	43·5	40·2	S.W.	—	0·50	Fine cum. and cum.-strat. in heavy masses.					
	4	0	30·072	43·2	40·2	S.W.	—	1·00	Gloomy and overcast.					
	5	0	30·084	43·2	40·2	S.W.	—	0·25	Detached cum. and fine.					
	6	0	30·082	43·0	40·2	S.W.	—	0·25	Detached cum. and cir.-cum.; fine.					
	7	0	30·094	43·6	40·7	S.W.	Gentle breeze.	1·00	Sky generally covered with soft cum and cum.-strat., with rainy unsettled appearance.					
	8	0	30·110	43·4	41·0	N.N.W.	Gentle breeze.	0·70	Cum., both in broken portions and detached masses.					
	9	0	30·149	46·2	43·2	W.	—	0·80	Cloudy masses of cum. with a rainy appearance.					

December 18th and 19th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 1''70.						DECLINATION.				
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
M.	S.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0		72°0	70°6	72°8	74°5	76°8	82°0	87°4	89°8	90°0	88°0	85°0
5	0		71°8	69°9	72°8	74°5	76°8	81°8	87°8	90°2	89°7	87°2	84°6
10	0		71°4	70°2	72°9	74°7	77°0	82°9	87°8	91°2	89°5	86°5	84°8
15	0		71°4	68°8	72°9	74°5	76°8	83°4	88°2	91°0	89°0	86°0	85°4
20	0		70°6	69°6	72°8	74°8	77°4	84°1	88°7	90°8	88°8	86°0	85°2
25	0		70°8	69°6	73°0	75°0	77°6	84°8	89°2	90°8	88°5	86°6	85°4
30	0		71°6	69°5	73°2	75°2	78°4	85°0	89°5	90°7	88°0	86°0	84°3
35	0		71°4	70°0	72°5	75°4	79°0	85°8	89°7	90°8	87°5	85°2	84°5
40	0		71°2	70°0	73°3	75°2	79°4	86°1	89°5	90°8	86°5	85°2	85°0
45	0		70°8	71°2	73°3	76°0	80°4	86°6	89°0	90°8	86°2	85°2	85°5
50	0		70°0	72°0	73°4	76°0	81°1	87°0	89°0	90°8	86°8	85°5	84°6
55	0		70°4	72°8	74°0	76°2	81°7	87°0	89°2	90°5	87°2	85°0	84°4
			One Scale Division = '000188 parts of the H. F.						HORIZONTAL FORCE.				
M.	S.												
2	30		114°9	108°0	103°2	103°9	103°4	106°4	110°8	112°7	112°0	115°0	114°6
7	30		114°5	107°2	103°0	103°8	103°2	106°5	110°8	113°8	111°5	115°0	114°2
12	30		114°0	107°0	103°0	103°7	103°0	107°1	111°2	114°5	111°4	115°0	115°2
17	30		114°0	106°0	103°0	104°0	102°4	107°8	111°8	114°0	111°6	115°0	115°9
22	30		113°0	105°5	102°8	103°6	102°0	108°0	112°2	113°8	112°0	114°6	115°8
27	30		112°9	105°2	102°9	103°3	102°2	108°1	113°2	113°7	112°0	116°0	115°7
32	30		112°0	105°4	103°1	103°6	102°7	108°4	114°2	112°3	111°5	115°4	113°6
37	30		111°8	104°6	103°5	103°3	103°3	108°6	113°5	113°0	111°0	114°6	114°0
42	30		110°8	104°0	103°3	103°6	104°4	109°0	114°0	113°3	108°0	114°0	113°1
47	30		109°8	103°5	103°2	103°5	104°9	109°9	113°0	112°8	108°2	114°8	112°1
52	30		109°5	103°6	103°6	103°5	106°0	110°1	112°7	112°2	110°0	115°0	110°9
57	30		109°0	103°6	103°8	103°5	106°1	110°4	112°6	112°3	112°0	115°2	109°8
Thermometer			63°0	63°0	63°8	64°6	65°0	65°6	65°8	66°2	66°6	67°0	67°0
			Induction Inclinometer, one Sc. Div. = 0''502; p. = 4°8297; u. = 14°22'.										
M.	S.												
0	0		56°3	54°0	55°3	56°7	59°4	65°7	73°3	75°7	76°7	75°1	72°4
5	0		56°4	53°1	55°1	56°7	59°4	66°0	73°8	76°4	76°1	75°3	71°8
10	0		55°8	53°5	56°2	56°9	59°7	66°8	74°0	78°0	75°6	74°3	71°9
15	0		55°9	52°1	55°1	56°8	59°4	67°6	74°9	78°4	75°5	73°5	73°2
20	0		54°2	52°5	55°0	57°1	59°3	68°5	75°5	77°8	74°8	73°5	73°0
25	0		54°7	52°5	55°1	56°9	59°7	69°2	76°2	78°0	74°9	74°8	73°5
30	0		55°3	52°1	55°6	57°3	61°0	69°8	77°1	77°2	74°5	74°0	71°3
35	0		55°1	52°4	54°8	57°7	61°7	70°4	77°0	77°2	73°7	72°9	71°5
40	0		55°2	52°4	55°8	57°5	62°5	71°2	77°0	78°0	71°9	72°6	72°0
45	0		54°5	53°7	55°5	58°5	64°0	72°0	76°1	77°9	70°0	72°5	71°8
50	0		53°5	54°4	55°3	58°4	64°6	72°7	75°7	77°3	71°8	73°0	70°0
55	0		53°8	55°3	56°1	58°9	65°4	73°9	75°7	77°0	73°4	72°5	69°0
Thermometer			64°0	65°2	67°0	67°0	67°3	68°2	68°4	68°0	68°6	68°6	68°2
Increasing Numbers denote increasing easterly Declination,													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°								
18	10	0	29°845	60°8	57°5	N.W.	Gentle breeze.	0°00	A few cir.; fine settled weather.				
	11	0	29°820	65°7	60°0	N. by W.	Gentle breeze.	0°00	A few cir.; fine settled weather.				
	12	0	29°807	69°4	62°4	N. by W.	Gentle breeze.	0°00	Detached cum., and fine.				
	13	0	29°799	72°2	62°6	N.W. by N.	Light breeze.	0°80	Sky nearly covered with cum.-strat.; hot sultry weather.				
	14	0	29°778	74°6	63°4	N. by W.	Light breeze.	0°80	Sky nearly covered with cum.-strat.; hot sultry weather.				
	15	0	29°755	74°8	63°7	S.S.E.	Light breeze.	0°80	Hot sultry weather; sky nearly covered with cir. and cir.-cum.; a general haze.				
	16	0	29°732	73°7	63°3	S.S.E.	Light breeze.	0°50	Overcast, with a thick haze.				
	17	0	29°713	73°7	63°5	S.S.E.	Gentle breeze.	1°00	Gloomy and overcast.				
	18	0	29°682	74°0	63°5	S.S.E.	Light breeze.	1°00	Gloomy and overcast; sultry and close.				
	19	0	29°668	71°9	63°4	S.S.E.	Light breeze.	1°00	Gloomy and overcast.				
	20	0	29°642	69°3	62°4	SE. by S.	Light breeze.	1°00	Overcast; strat. and cum.-strat.				
	21	0	29°647	69°0	61°8	SE. by S.	Light air.	1°00	Overcast; strat. and cum.-strat.; lowering appearance.				

MAGNETICAL OBSERVATIONS. December 18th and 19th.

DECLINATION. Angular Value of one Scale Division = 1''70.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div. 84°5	Sc. Div. 83°1	Sc. Div. 80°9	Sc. Div. 82°4	Sc. Div. 76°7	Sc. Div. 76°2	Sc. Div. 77°0	Sc. Div. 67°2	Sc. Div. 66°5	Sc. Div. 70°0	Sc. Div. 72°0	Sc. Div. 71°0	Sc. Div. 71°4
84°2	83°2	80°2	81°4	76°0	76°5	77°0	67°0	66°2	70°9	72°0	71°1	70°7
84°2	83°6	80°0	80°8	76°2	76°2	77°0	67°8	66°2	71°5	72°0	71°8	70°8
83°9	83°0	76°2	79°8	76°0	76°0	78°0	68°2	66°1	71°9	72°0	71°8	68°8
84°4	83°0	75°1	78°8	76°2	75°8	77°8	68°7	67°0	72°0	71°8	71°8	68°4
84°0	82°6	72°2	77°8	76°7	75°0	75°4	69°0	67°1	72°0	72°0	72°2	67°8
83°5	82°8	71°4	77°5	76°7	75°0	73°2	69°0	66°3	71°6	71°8	72°8	67°0
84°3	82°6	77°0	77°2	76°8	75°0	71°2	69°0	66°8	71°0	71°2	72°4	68°6
84°9	82°0	78°4	77°5	76°2	75°2	69°8	69°5	67°6	70°2	71°0	72°0	69°5
85°3	82°0	82°8	76°8	76°2	75°6	68°5	68°8	68°3	70°0	71°0	71°8	69°2
84°5	81°1	83°2	77°2	76°3	76°0	68°5	67°6	68°8	70°0	70°8	72°0	68°5
83°6	80°2	83°6	76°8	76°0	76°4	68°0	66°0	69°3	70°8	70°8	71°8	68°0

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah°. = '000093.

110°2	105°4	108°5	110°0	109°2	107°8	106°5	111°6	111°7	106°8	106°8	106°7	108°0
108°6	105°6	109°6	109°9	109°0	108°0	107°8	111°4	111°7	106°6	107°0	106°8	108°3
109°7	105°8	108°8	109°2	108°8	107°6	111°2	111°2	111°3	107°0	107°1	107°2	108°2
109°3	106°9	109°0	108°8	108°9	107°6	112°9	111°2	111°0	107°6	106°9	107°2	108°0
110°4	107°0	110°6	108°2	108°8	107°8	113°9	111°2	110°4	108°2	107°0	107°2	107°8
109°6	108°8	111°8	108°2	108°3	107°8	114°0	111°2	109°7	108°2	106°8	107°4	107°5
109°8	109°0	112°6	107°9	108°3	107°0	113°5	111°4	109°6	108°6	106°8	107°8	107°2
109°4	108°8	112°0	108°2	108°8	106°5	113°2	111°8	108°5	108°7	106°8	107°8	107°5
109°0	108°6	110°0	108°2	108°8	106°8	113°4	111°7	107°8	108°4	106°8	107°8	108°0
106°6	110°0	109°9	108°8	108°7	106°5	112°8	111°7	107°1	108°0	106°6	107°8	108°2
105°0	109°2	109°3	109°0	108°2	106°5	112°0	111°9	106°8	107°8	106°6	107°8	107°8
105°4	109°0	109°0	109°2	108°0	106°6	111°6	111°9	106°8	107°6	106°8	108°5	107°8
67°3	67°4	67°5	67°4	67°2	67°2	67°5	67°4	67°3	67°0	66°8	66°4	66°0

Induction Inclinometer, one Sc. Div. = 0°502; p. = 4°8297; u. = 14°22'.

69°2	64°5	64°0	65°9	59°7	59°3	61°8	51°7	50°0	50°9	56°5	55°0	56°9
68°2	64°6	63°4	65°0	59°4	59°5	57°5	51°4	50°0	54°8	56°3	55°3	56°0
68°3	64°5	63°1	64°1	59°2	59°3	61°5	51°7	49°9	55°4	56°5	55°9	56°2
67°7	65°0	58°9	62°9	59°1	59°2	63°7	51°9	49°7	56°0	56°1	56°3	53°9
69°0	65°5	58°2	61°2	59°3	58°8	64°1	52°4	50°2	56°8	56°0	56°5	53°0
68°4	65°0	56°1	60°5	59°8	58°5	62°2	52°7	50°0	56°8	56°2	57°1	52°3
67°6	65°8	56°1	59°9	59°5	58°1	59°6	52°8	49°0	56°2	55°9	57°8	51°8
68°2	65°8	62°0	59°3	59°8	57°6	57°1	53°1	49°2	55°8	55°4	57°2	53°4
68°8	65°1	63°0	60°0	59°8	57°8	55°5	53°5	49°3	55°4	55°0	56°9	54°9
68°2	65°0	66°5	59°7	59°8	58°3	53°9	52°6	49°5	55°1	55°0	56°8	55°0
66°1	65°0	66°5	60°0	59°9	58°5	53°6	51°5	50°0	55°0	54°9	57°1	53°0
65°1	63°8	67°0	59°9	59°3	58°6	52°6	50°5	50°3	55°2	55°0	57°2	52°8
68°6	68°5	68°5	68°2	67°8	68°4	68°5	68°0	67°6	67°2	66°6	66°5	67°0

and increasing Horizontal and Vertical Force.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
D.	H.	M.		Dry.	Wet.	Direction.	Force.		
18	22	0	In. 29°640	68°0	61°8	—	Calm.	0°50	Nearly overcast, with cir., cir.-strat., and cum.-strat. on the horizon.
	23	0	29°638	66°3	61°0	S.W.	Light air.	0°20	Cir. and cir.-cum.; fine.
19	0	0	29°635	65°2	59°4	S.W.	Light breeze.	0°00	Fine weather.
	1	0	29°623	66°0	59°0	S.W.	Light breeze.	0°00	A thin cir. haze pervading the greater portion of the sky; sultry and close atmosphere.
	2	0	29°628	64°0	58°0	S.W.	Light breeze.	0°20	An approaching thunder storm; heaving cum. clouds in the zenith; a few drops of rain commencing.
	3	0	29°630	65°3	59°5	W. by N.	Light air.	0°25	Very heavy thunder and vivid forked lightning; heavy rain commencing; dense cum. clouds to west.
	4	0	29°610	63°6	61°0	S. by E.	Light air.	0°25	Cum. clouds in S. and S.W.; the rest of sky clear and fine.
	5	0	29°600	62°4	60°0	—	Calm.	0°00	Soft cum. and still weather; stars; a little hazy; blue sky.
	6	0	29°598	61°3	62°4	—	Calm.	0°00	Blue sky; cum; light air and clear weather.
	7	0	29°617	60°0	57°0	S. by E.	Light breeze.	0°00	Clear and fine.
	8	0	29°623	61°8	57°4	W.N.W.	Fresh breeze.	0°00	Soft cum.; clear and fine.
	9	0	29°640	64°0	59°2	N.N.W.	Gentle breeze.	0°00	Fine, with a considerable haze.

VAN DIEMEN ISLAND, 1844.

METEOROLOGICAL OBSERVATIONS.

BAROMETRIC PRESSURE.													
Barometer at 32° = 28 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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
JANUARY.	1	1.757	1.779	1.791	1.815	—	—	—	—	1.972	1.999	2.008	
	2	2.082	2.078	2.086	2.058	2.048	2.040	2.034	2.042	2.048	2.056	2.063	2.068
	3	2.045	2.037	2.019	1.996	1.987	1.980	1.976	1.985	1.995	2.009	2.026	2.031
	4	1.993	1.981	1.975	1.971	1.934	1.910	1.913	1.915	1.927	1.937	1.944	1.947
	5	2.031	2.034	2.042	2.046	2.047	2.057	2.055	2.072	2.090	2.099	2.115	2.108
	6	2.028	2.016	2.002	—	—	—	—	—	—	—	—	—
	7	—	—	—	1.518	1.497	1.491	1.475	1.475	1.499	1.525	1.550	1.552
	8	1.838	1.850	1.882	1.896	—	1.920	1.942	1.970	1.982	2.018	2.046	2.062
	9	2.174	2.175	—	2.179	2.167	2.153	2.145	2.139	2.139	2.139	2.139	2.136
	10	1.939	1.915	1.904	1.877	1.832	1.788	1.762	1.755	—	1.743	1.731	1.729
	11	1.712	1.732	1.757	1.743	1.755	1.779	1.803	1.837	1.878	1.893	1.918	1.933
	12	1.925	1.905	1.899	1.889	1.875	1.853	1.835	1.831	1.813	1.822	1.807	1.799
	13	1.529	1.525	1.527	—	—	—	—	—	—	—	—	—
	14	—	—	—	1.649	—	1.650	1.656	1.670	1.684	1.706	1.720	1.732
	15	1.728	1.721	1.708	1.686	1.664	1.642	1.630	1.624	1.620	1.653	1.661	1.684
	16	1.783	1.783	1.783	1.781	1.764	1.742	1.750	1.763	1.771	—	1.779	1.777
	17	1.604	1.585	1.566	1.545	1.519	1.491	1.468	1.454	1.450	1.438	1.423	1.402
	18	1.267	1.271	1.288	1.293	1.300	1.313	1.350	1.383	1.381	1.389	1.435	1.482
	19	1.867	1.895	1.908	1.942	—	1.968	1.982	2.011	2.045	2.074	2.096	2.128
	20	2.253	2.261	2.279	—	—	—	—	—	—	—	—	—
	21	—	—	—	2.194	2.178	2.166	2.204	2.145	—	2.133	2.120	2.096
	22	1.882	1.889	1.885	1.888	1.881	1.881	1.879	1.888	1.905	1.925	1.943	1.957
	23	2.097	2.098	2.102	2.105	2.097	2.095	—	2.099	2.111	2.133	2.145	2.157
	24	2.110	2.088	2.072	2.070	2.038	2.002	1.990	1.980	1.962	1.957	1.948	1.935
	25	1.817	1.812	1.810	1.821	1.828	1.829	1.832	1.860	1.832	1.919	1.946	1.958
	26	1.964	1.954	1.942	1.936	1.914	1.903	1.897	1.896	1.894	1.895	1.890	1.888
	27	1.645	1.628	1.616	—	—	—	—	—	—	—	—	—
	28	—	—	—	1.541	1.565	1.562	1.584	1.597	1.609	1.645	1.663	1.684
	29	1.925	1.928	1.948	1.955	1.978	1.978	1.978	2.005	2.035	2.058	2.078	2.094
	30	2.128	2.117	2.110	2.112	2.098	2.102	2.080	2.072	2.075	2.082	2.088	2.089
	31	2.015	2.009	2.000	1.996	1.992	1.974	1.966	1.964	1.964	1.972	1.988	1.979
Hourly Means	1.8940	1.8913	1.8808	1.8704	1.8677	1.8565	1.8474	1.8628	1.8629	1.8920	1.8985	1.9042	
FEBRUARY.	1	1.870	1.853	1.842	1.827	1.807	1.787	1.771	1.763	1.770	1.777	1.801	1.802
	2	1.781	1.775	—	1.778	1.786	1.793	1.791	1.803	1.818	1.846	1.866	1.892
	3	2.052	2.056	2.053	—	—	—	—	—	—	—	—	—
	4	—	—	—	1.976	1.959	1.953	1.941	1.933	—	1.940	1.951	1.949
	5	1.898	1.893	1.880	1.871	1.855	1.852	1.848	1.848	1.840	1.856	1.844	1.827
	6	1.457	1.430	1.418	1.391	1.370	1.352	1.352	1.342	1.396	1.412	1.444	1.456
	7	1.678	1.690	1.697	1.697	1.714	1.718	1.714	1.722	1.756	1.768	1.792	1.812
	8	1.870	1.858	1.862	1.854	1.845	1.832	1.834	1.834	1.860	1.864	1.884	1.899
	9	2.123	2.126	2.134	2.130	2.128	2.136	2.132	2.144	2.166	2.178	2.197	2.211
	10	2.243	2.253	2.258	—	—	—	—	—	—	—	—	—
	11	—	—	—	2.018	2.013	2.005	1.990	1.993	2.002	2.014	2.024	2.025
	12	1.894	1.889	1.887	1.891	—	1.887	1.886	1.876	1.897	1.917	1.925	1.933
	13	1.915	1.901	1.902	1.897	1.891	1.896	1.895	1.895	1.919	1.935	1.955	1.959
	14	1.899	1.935	1.940	1.929	1.947	1.959	1.979	1.985	2.007	2.023	2.040	2.053
	15	2.082	2.083	2.083	2.075	2.081	2.074	2.073	2.069	2.081	2.085	2.093	2.106
	16	2.076	2.077	2.072	2.073	2.057	2.050	2.049	2.037	—	2.041	2.044	2.051
	17	1.913	1.905	1.901	—	—	—	—	—	—	—	—	—
	18	—	—	—	1.774	1.746	1.747	1.751	1.746	1.743	1.765	1.800	1.775
	19	1.874	1.883	1.881	1.870	—	—	—	—	1.826	1.813	1.807	1.805
	20	1.600	1.591	1.571	1.555	1.511	1.483	1.453	1.438	1.413	1.399	1.386	1.373
	21	1.481	1.511	1.526	1.548	1.556	1.570	1.592	1.623	1.654	1.681	1.714	1.740
	22	1.840	1.820	1.817	1.797	1.774	1.764	1.754	1.740	1.742	1.732	1.752	1.745
	23	1.917	1.918	1.939	1.946	1.936	1.950	1.950	1.964	1.971	1.999	2.026	2.041
	24	2.019	2.020	2.009	—	—	—	—	—	—	—	—	—
	25	—	—	—	1.983	1.952	1.924	1.904	1.886	1.870	1.864	1.842	1.826
	26	1.603	1.597	1.593	1.585	1.591	1.589	1.577	1.589	1.609	—	1.679	1.703
	27	1.759	1.743	1.738	1.706	1.684	1.662	1.644	1.628	1.590	1.610	1.622	1.619
	28	1.764	1.773	1.781	1.796	1.781	1.769	1.786	1.790	1.800	1.818	1.836	1.857
	29	1.844	1.829	1.832	1.824	1.804	1.776	1.796	1.786	1.788	1.795	1.795	1.801
Hourly Means	1.8581	1.8563	1.8590	1.8316	1.8169	1.8137	1.8109	1.8097	1.8051	1.8388	1.8447	1.8504	

BAROMETRIC PRESSURE.												Daily and Monthly Means.
Barometer at 32° = 28 English inches + the numbers in the Table.												
12	13	14	15	16	17	18	19	20	21	22	23	
21	22	23	0	1	2	3	4	5	6	7	8	
2'012	2'006	2'003	1'993	1'983	1'988	2'003	2'011	2'011	2'035	2'056	2'070	1'9627
2'062	2'057	2'046	2'030	2'018	2'001	2'000	1'999	2'001	2'020	2'035	2'044	2'0423
2'027	2'021	2'022	2'020	2'001	1'989	1'971	1'959	1'967	1'971	1'981	1'989	2'0001
1'948	1'943	1'942	1'941	1'935	1'933	1'938	1'948	1'967	1'985	2'001	2'020	1'9520
2'109	2'108	2'102	2'092	2'089	2'081	2'069	2'051	2'034	2'040	2'041	2'036	2'0687
—	—	—	—	—	—	—	—	—	—	—	—	1'6430
1'564	1'570	1'588	1'604	1'602	1'616	1'618	1'644	1'671	1'731	1'784	1'812	2'0274
2'076	2'067	2'073	2'081	2'079	2'087	2'094	2'096	2'104	2'134	2'162	2'171	2'0854
2'126	2'118	2'103	2'070	2'041	—	1'991	1'971	1'949	1'945	1'941	1'938	1'7169
1'699	1'673	1'650	1'638	1'600	1'603	1'588	1'583	1'586	1'603	1'629	1'661	1'8678
1'928	1'924	1'924	1'924	1'928	1'927	1'919	1'918	1'916	1'923	1'929	1'927	1'7360
1'778	1'741	1'709	1'666	1'641	1'620	1'577	1'553	1'526	1'529	1'535	1'537	1'6917
—	—	—	—	—	—	—	—	—	—	—	—	1'6932
1'746	1'755	1'748	1'745	1'741	1'739	1'733	1'727	1'719	1'732	1'743	1'744	1'7183
1'700	1'712	1'713	1'711	1'707	1'703	1'703	1'698	1'712	1'733	1'750	1'773	1'3907
1'757	1'748	1'729	1'699	1'682	1'670	1'654	1'635	1'622	1'618	1'617	1'614	1'5146
1'401	1'371	1'349	1'329	1'302	1'274	1'272	1'255	1'225	1'215	1'210	1'229	2'0883
1'522	1'558	1'580	1'624	1'638	1'680	1'703	1'731	1'750	1'782	1'811	1'820	2'0620
2'124	2'146	2'165	2'164	2'163	2'169	2'175	2'178	2'180	2'193	2'221	2'237	1'9484
—	—	—	—	—	—	—	—	—	—	—	—	2'1246
2'085	2'068	2'045	1'999	1'970	1'949	1'914	1'889	1'857	1'857	1'883	1'880	1'9214
1'957	1'952	1'951	1'954	1'967	1'987	1'991	1'998	2'009	2'044	2'064	2'086	1'9031
2'163	2'158	2'159	2'159	2'153	2'137	2'133	2'129	2'115	2'107	2'104	2'109	1'8274
1'919	1'902	1'879	1'856	1'835	1'817	1'806	1'785	1'777	1'786	1'795	1'805	1'6835
1'966	1'964	1'967	1'965	1'959	1'949	1'941	1'936	1'924	1'935	1'943	1'961	2'0471
1'876	1'842	1'815	1'788	1'770	1'732	1'718	1'693	1'669	1'657	1'663	1'663	2'0524
—	—	—	—	—	—	—	—	—	—	—	—	1'9301
1'689	1'696	1'709	1'702	1'711	1'723	1'735	1'721	1'801	1'823	1'861	1'893	2'0321
2'094	2'099	2'091	2'097	2'097	2'099	2'091	2'087	2'086	2'091	2'117	2'122	1'7750
2'073	2'058	2'043	2'023	2'019	2'007	2'005	1'917	1'983	1'977	1'995	2'005	1'8910
1'968	1'955	1'919	1'907	1'871	1'863	1'843	1'827	1'832	1'829	1'835	1'854	1'9301
1'9025	1'8967	1'8898	1'8808	1'8704	1'8583	1'8587	1'8496	1'8516	1'8627	1'8780	1'8888	1'7750
1'794	1'794	1'770	1'746	1'721	1'716	1'718	1'714	1'714	1'726	1'748	1'770	1'8910
1'915	1'928	1'933	1'940	1'947	1'953	1'953	1'965	1'971	1'999	2'028	2'033	1'9301
—	—	—	—	—	—	—	—	—	—	—	—	1'7363
1'943	1'933	1'917	1'895	1'882	1'871	1'859	1'842	1'853	1'865	1'877	1'893	1'4664
1'797	1'776	1'745	1'696	1'659	1'648	1'586	1'545	1'506	1'486	1'460	1'456	1'7769
1'455	1'462	1'468	1'477	1'485	1'514	1'530	1'536	1'576	1'599	1'620	1'652	1'9225
1'826	1'849	1'823	1'823	1'807	1'804	1'814	1'824	1'811	1'819	1'837	1'852	2'1793
1'917	1'919	1'935	1'943	1'948	1'969	1'973	1'995	2'018	2'041	2'080	2'107	1'9775
2'216	2'223	2'213	2'208	2'207	2'196	2'196	2'199	2'197	2'205	2'208	2'230	1'9114
—	—	—	—	—	—	—	—	—	—	—	—	1'9040
2'011	1'971	1'935	1'900	1'886	1'861	1'841	1'823	1'823	1'837	1'856	1'879	2'0120
1'935	1'921	1'892	1'899	1'891	1'894	1'889	1'889	1'893	1'897	1'901	1'910	2'0614
1'953	1'941	1'930	1'912	1'890	1'870	1'857	1'855	1'850	1'867	1'898	1'913	1'9981
2'065	2'053	2'033	2'038	2'045	2'038	2'037	2'050	2'049	2'051	2'057	2'077	1'8057
2'099	2'074	2'062	2'042	2'015	1'996	2'002	2'005	2'025	2'043	2'056	2'071	1'7536
2'040	2'029	2'007	1'982	1'947	1'931	1'912	1'902	1'894	1'891	1'891	1'904	1'4205
—	—	—	—	—	—	—	—	—	—	—	—	1'6960
1'791	1'807	1'800	1'803	1'808	1'812	1'806	1'810	1'819	1'823	1'835	1'856	1'7867
1'789	1'773	1'755	1'736	1'716	1'696	1'678	1'657	1'650	1'630	1'624	1'609	1'9866
1'368	1'359	1'357	1'350	1'337	1'321	1'320	1'333	1'365	1'375	1'391	1'444	1'7949
1'763	1'761	1'775	1'783	1'785	1'776	1'782	1'789	1'799	1'818	1'831	1'847	1'6575
1'741	1'754	1'752	1'761	1'777	1'791	1'797	1'807	1'820	1'839	1'865	1'900	1'6628
2'054	2'038	2'029	2'025	2'013	2'011	1'986	1'985	1'987	1'983	1'993	2'017	1'8153
—	—	—	—	—	—	—	—	—	—	—	—	1'7750
1'786	1'775	1'736	1'684	1'672	1'644	1'626	1'616	1'627	1'605	1'600	1'607	1'8275
1'708	1'705	1'698	1'691	1'684	1'688	1'680	1'681	1'700	1'705	1'731	1'744	—
1'633	1'636	1'619	1'604	1'625	1'631	1'638	1'661	1'681	1'698	1'723	1'755	—
1'870	1'868	1'839	1'831	1'829	1'824	1'818	1'814	1'814	1'826	1'840	1'843	—
1'802	1'795	1'779	1'765	1'754	1'733	1'727	1'725	1'713	1'709	1'707	1'722	—
1'8508	1'8457	1'8321	1'8213	1'8132	1'8075	1'8010	1'8009	1'8062	1'8135	1'8263	1'8436	—

BAROMETRIC PRESSURE.													
Barometer at 32° = 28 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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
MARCH.	1	1.723	1.704	1.699	1.679	1.646	1.627	1.592	1.588	1.575	1.569	1.573	1.563
	2	1.458	1.438	1.428	—	—	—	—	—	—	—	—	—
	3	—	—	—	1.870	1.886	1.900	1.912	1.948	1.974	2.012	2.039	2.064
	4	2.012	1.999	1.962	1.930	1.884	1.845	1.791	1.757	1.758	1.706	1.690	1.652
	5	1.438	1.438	1.430	1.424	1.397	1.367	1.346	1.321	1.301	1.293	1.282	1.285
	6	1.504	1.525	1.540	1.559	1.553	1.571	1.588	1.591	1.597	1.634	1.650	1.671
	7	1.734	1.697	1.691	1.687	1.660	1.651	1.638	1.626	1.616	1.634	1.639	1.643
	8	1.630	1.621	1.632	1.633	—	1.630	1.620	1.625	1.629	1.636	1.646	1.655
	9	1.616	1.593	1.577	—	—	—	—	—	—	—	—	—
	10	—	—	—	1.592	1.549	1.556	1.529	1.539	1.529	1.543	1.549	1.555
	11	1.592	1.607	1.609	1.615	1.619	1.629	1.632	1.638	1.651	1.663	1.678	1.676
	12	1.651	1.636	1.626	1.616	1.613	1.593	1.585	1.601	1.597	1.597	1.595	1.581
	13	1.411	1.413	1.423	1.438	1.461	1.475	1.491	1.506	1.529	1.541	1.561	1.567
	14	1.640	1.632	1.634	1.626	1.614	1.612	1.602	1.602	1.601	1.615	1.619	1.628
	15	1.760	1.770	1.788	1.816	1.814	1.810	1.814	1.818	1.837	1.868	—	1.896
	16	1.876	1.864	1.850	—	—	—	—	—	—	—	—	—
	17	—	—	—	1.837	1.831	1.831	1.825	1.839	1.846	1.838	1.866	1.899
	18	2.024	2.028	2.031	2.033	2.031	2.025	2.021	2.006	1.999	2.002	2.005	2.000
	19	1.794	1.786	1.776	1.769	1.745	1.729	1.704	1.666	1.657	1.642	1.642	1.625
	20	1.547	1.563	1.575	1.611	1.629	1.644	1.650	1.718	1.726	1.736	1.734	1.752
	21	1.516	1.533	1.546	1.550	1.547	1.571	1.565	1.610	1.638	1.677	1.719	1.757
	22	2.060	2.066	2.074	2.088	2.088	2.096	2.100	2.102	2.104	2.145	2.166	2.174
	23	2.144	2.140	2.136	—	—	—	—	—	—	—	—	—
	24	—	—	—	2.000	1.985	1.968	1.966	1.948	1.942	1.944	1.952	1.956
	25	1.979	1.982	1.982	1.972	1.992	1.984	1.978	1.986	2.002	2.019	2.040	2.050
	26	2.016	2.008	1.996	1.974	1.963	1.933	1.917	1.908	1.892	1.872	1.862	1.852
	27	1.494	1.444	—	1.312	1.230	1.172	1.096	1.039	0.946	0.884	0.858	0.876
	28	1.215	1.198	1.200	1.176	1.178	1.183	1.185	1.179	1.207	1.212	1.254	1.291
	29	1.521	1.515	1.499	1.481	1.475	1.465	1.433	1.409	1.370	1.360	1.367	1.360
	30	1.227	1.212	1.201	—	—	—	—	—	—	—	—	—
	31	—	—	—	1.193	1.201	1.209	1.235	1.239	1.276	1.311	1.324	1.354
Hourly Means	1.6762	1.6697	1.6762	1.6723	1.6636	1.6568	1.6467	1.6465	1.6461	1.6520	1.6524	1.6685	
APRIL.	1	1.380	1.390	1.429	1.444	1.462	1.482	1.496	1.516	1.536	1.565	1.632	1.676
	2	2.102	2.115	2.120	2.138	2.142	2.146	2.163	2.178	2.187	2.207	2.218	2.233
	3	2.292	2.291	—	2.281	2.283	2.270	2.268	2.258	2.262	2.270	2.282	2.283
	4	2.184	2.175	2.164	2.143	—	2.104	2.088	2.070	—	2.074	2.080	2.075
	5	1.873	1.872	1.884	1.870	1.874	1.872	1.870	1.877	1.882	1.888	1.895	1.926
	6	1.995	1.990	1.999	—	—	—	—	—	—	—	—	—
	7	—	—	—	2.219	2.223	2.221	2.216	2.222	2.236	2.250	2.270	2.288
	8	2.278	2.277	2.278	2.263	2.267	2.247	2.236	2.230	2.224	2.210	2.222	2.218
	9	2.020	2.004	1.977	1.954	1.938	1.912	1.888	1.872	1.858	1.850	1.841	1.850
	10	1.664	1.645	1.626	1.611	1.583	1.567	1.547	1.541	1.538	1.530	1.526	1.529
	11	1.514	1.527	1.522	1.513	1.504	1.501	1.485	1.486	1.489	1.499	1.511	1.526
	12	1.487	1.467	1.448	1.440	1.440	—	—	—	1.386	1.389	1.395	1.398
	13	1.345	1.343	1.321	—	—	—	—	—	—	—	—	—
	14	—	—	—	1.306	1.314	1.326	1.346	1.372	1.405	1.439	1.471	1.509
	15	1.812	1.838	1.848	1.850	1.854	1.853	1.844	1.868	—	1.884	1.900	1.910
	16	1.717	1.702	1.674	1.640	1.619	1.590	1.558	1.520	1.494	1.474	1.444	1.438
	17	1.204	1.188	1.169	1.154	1.121	1.095	1.065	1.071	1.065	1.061	1.075	1.068
	18	0.959	0.955	0.955	0.953	0.952	0.956	0.950	0.954	0.960	0.960	0.952	0.943
	19	1.242	1.277	1.295	1.321	1.357	1.383	1.407	1.438	1.483	1.505	1.529	1.556
	20	1.890	1.910	1.918	—	—	—	—	—	—	—	—	—
	21	—	—	—	—	2.129	2.125	2.125	2.127	2.133	2.145	2.157	2.177
	22	2.164	2.172	2.164	2.162	2.171	2.163	2.156	2.162	2.173	2.174	2.183	2.183
	23	1.956	1.948	1.934	1.914	1.881	1.861	1.826	1.794	1.758	1.717	1.713	1.694
	24	1.471	1.482	1.481	1.503	1.508	1.520	1.548	1.568	1.587	1.622	1.648	1.674
	25	1.714	1.700	1.686	1.674	1.652	1.639	1.619	1.611	1.605	1.592	1.591	1.593
	26	1.453	1.452	1.457	1.469	1.465	1.469	1.458	1.458	1.453	1.457	1.464	1.474
	27	1.626	1.644	1.658	—	—	—	—	—	—	—	—	—
	28	—	—	—	1.980	1.984	1.978	1.984	2.002	2.020	2.030	2.042	2.072
	29	2.122	2.126	2.118	2.113	2.108	2.112	2.122	2.117	2.124	2.134	2.151	2.176
	30	2.191	2.190	2.187	2.177	2.179	2.171	2.164	2.160	2.158	2.158	2.162	2.170
Hourly Means	1.7559	1.7569	1.7325	1.7637	1.7604	1.7825	1.7772	1.7789	1.7507	1.7724	1.7828	1.7938	

BAROMETRIC PRESSURE.												
Barometer at 32° = 28 English inches + the numbers in the Table.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
1.545	1.524	1.511	1.491	1.473	1.456	1.442	1.444	1.461	1.468	1.462	1.469	1.5535
2.071	2.080	2.070	2.051	2.048	2.042	2.037	2.026	2.025	2.010	2.017	2.023	1.9345
1.617	1.579	1.532	1.493	1.453	1.454	1.427	1.423	1.419	1.429	1.434	1.447	1.6538
1.300	1.295	1.293	1.313	1.321	1.341	1.367	1.365	1.380	1.414	1.426	1.473	1.3587
1.697	1.722	1.723	1.718	1.717	1.717	1.713	1.719	1.715	1.711	1.718	1.741	1.6497
1.640	1.632	1.619	1.613	1.598	1.588	1.588	1.596	1.582	1.607	1.615	1.624	1.6360
1.676	1.681	1.678	1.682	1.688	1.676	1.676	1.670	1.666	1.644	1.637	1.637	1.6508
1.545	1.544	1.538	1.524	1.510	1.498	1.491	1.497	1.524	1.534	1.555	1.580	1.5445
1.683	1.693	1.675	1.648	1.643	1.623	1.601	1.595	1.604	1.606	1.625	1.649	1.6356
1.563	1.534	1.506	1.492	1.443	1.411	1.386	1.380	1.381	1.392	1.393	1.396	1.5236
1.574	1.565	1.561	1.558	1.552	1.553	1.559	1.575	1.596	1.610	1.615	1.630	1.5318
1.635	1.646	1.649	1.651	1.651	1.655	1.655	1.669	1.686	1.702	1.723	1.752	1.6458
1.900	1.888	1.885	1.879	1.850	1.838	1.838	1.837	1.836	1.847	1.858	1.879	1.8403
1.915	1.916	1.923	1.924	1.918	1.922	1.931	1.935	1.951	1.970	1.982	2.003	1.8955
1.986	1.968	1.930	1.897	1.854	1.835	1.804	1.783	1.769	1.771	1.776	1.772	1.9314
1.602	1.576	1.562	1.543	1.538	1.525	1.497	1.494	1.484	1.500	1.497	1.516	1.6195
1.735	1.715	1.705	1.655	1.609	1.581	1.547	1.503	1.479	1.469	1.468	1.498	1.6187
1.794	1.810	1.814	1.836	1.844	1.871	1.903	1.921	1.958	1.995	2.018	2.043	1.7515
2.180	2.190	2.174	2.160	2.147	2.136	2.128	2.122	2.118	2.134	2.144	2.152	2.1270
1.952	1.952	1.933	1.921	1.903	1.885	1.887	1.887	1.912	1.930	1.956	1.969	1.9653
2.062	2.055	2.047	2.037	2.016	2.004	1.997	1.997	2.003	2.011	2.016	2.020	2.0096
1.830	1.814	1.790	1.768	1.722	1.697	1.656	1.640	1.610	1.586	1.559	1.523	1.8078
0.848	0.915	0.947	0.994	1.007	1.032	1.051	1.056	1.082	1.118	1.167	1.193	1.0766
1.321	1.353	1.366	1.400	1.412	1.404	1.419	1.465	1.472	1.483	1.499	1.519	1.3163
1.352	1.349	1.331	1.290	1.242	1.205	1.188	1.209	1.194	1.204	1.200	1.196	1.3423
1.353	1.355	1.357	1.350	1.323	1.296	1.280	1.281	1.305	1.331	1.363	1.384	1.2900
1.6683	1.6673	1.6584	1.6495	1.6339	1.6248	1.6183	1.6183	1.6245	1.6340	1.6435	1.6576	1.6510
1.734	1.798	1.812	1.838	1.863	1.891	1.914	1.954	2.000	2.028	2.054	2.075	1.7070
2.259	2.263	2.263	2.261	2.257	2.249	2.257	2.259	2.263	2.275	2.289	2.291	2.2139
2.301	2.289	2.246	2.226	2.206	2.188	2.177	2.168	2.167	2.170	2.174	2.183	2.2406
2.081	2.044	2.016	1.974	1.941	1.923	1.921	1.902	1.880	1.886	1.881	1.883	2.0222
1.930	1.930	1.926	1.916	1.910	1.916	1.916	1.932	1.947	1.958	1.974	1.984	1.9092
2.319	2.311	2.290	2.281	—	2.247	2.242	2.237	2.237	2.246	2.258	2.261	2.2199
2.223	2.190	2.166	2.140	2.104	2.082	2.068	2.050	2.044	2.044	2.043	2.031	2.1723
1.852	1.816	1.796	1.768	1.731	1.711	1.694	1.685	1.683	1.683	1.680	1.678	1.8228
1.529	1.494	1.483	1.480	1.470	1.449	1.430	1.426	1.436	1.455	1.483	1.506	1.5228
1.529	1.523	1.505	1.498	1.482	1.472	1.472	1.484	1.445	1.487	1.488	1.486	1.4979
1.405	1.379	1.358	—	1.305	1.300	1.328	1.316	1.335	1.333	1.343	1.338	1.3795
1.536	1.568	1.603	1.613	1.619	1.635	1.657	1.670	1.700	1.729	1.771	1.797	1.5165
1.910	1.897	1.890	1.852	1.828	1.802	1.786	1.769	1.757	1.746	1.750	1.748	1.8346
1.424	1.391	1.366	1.339	1.298	1.278	1.264	1.246	1.232	1.230	1.227	1.216	1.4325
1.067	1.052	1.036	1.023	1.004	0.994	0.972	0.978	0.972	0.967	0.976	0.964	1.0558
0.931	0.925	0.941	0.932	0.920	0.943	0.979	1.012	1.039	1.107	1.162	1.205	0.9810
1.583	1.615	1.640	1.655	1.671	1.693	1.722	1.750	1.772	1.802	1.839	1.860	1.5531
2.177	2.162	2.149	2.135	2.108	2.104	2.096	2.099	2.108	2.120	2.139	2.151	2.1037
2.173	2.158	2.138	2.096	2.070	2.048	2.029	2.010	1.993	1.990	1.976	1.972	2.1117
1.654	1.619	1.569	1.500	1.450	1.421	1.377	1.347	1.353	1.410	1.431	1.459	1.6494
1.690	1.705	1.707	1.700	1.702	1.697	1.691	1.692	1.706	1.714	1.718	1.724	1.6274
1.571	1.560	1.531	1.492	1.470	1.449	1.436	1.445	1.426	1.433	1.428	1.438	1.5565
1.471	1.470	1.469	1.475	1.471	1.467	1.491	1.504	1.521	1.551	1.576	1.603	1.4832
2.081	2.076	2.074	2.062	2.054	2.041	2.042	2.053	2.054	2.067	2.102	2.113	1.9933
2.188	2.190	2.181	2.157	2.138	2.123	2.131	2.152	2.149	2.171	2.185	2.189	2.1448
2.170	2.148	2.129	2.099	2.071	2.047	2.037	2.035	2.030	2.044	2.045	2.044	2.1236
1.7995	1.7913	1.7801	1.7805	1.7257	1.7373	1.7357	1.7375	1.7403	1.7556	1.7689	1.7769	1.7641

BAROMETRIC PRESSURE.													
Barometer at 32° = 28 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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
MAY.	1	2·030	2·020	2·018	2·002	—	1·976	1·962	1·960	1·962	1·960	1·970	1·982
	2	2·069	2·072	2·064	2·062	2·058	2·058	2·048	2·048	2·047	2·044	2·052	2·055
	3	1·942	1·936	1·934	1·924	1·922	1·906	1·896	1·898	—	1·890	1·898	1·910
	4	1·821	1·826	1·820	—	—	—	—	—	—	—	—	—
	5	—	—	—	1·843	1·845	1·844	1·834	1·844	1·856	1·868	1·879	1·891
	6	1·936	1·934	1·938	1·944	1·946	1·946	1·944	1·942	1·942	1·966	1·984	1·998
	7	1·964	1·960	1·954	1·938	1·930	1·930	1·916	1·916	1·920	1·916	1·954	1·960
	8	2·189	2·206	2·212	2·231	2·247	2·249	2·247	2·255	2·258	2·252	2·258	2·268
	9	2·160	2·142	2·122	2·112	2·094	2·063	2·032	2·012	2·018	2·018	2·012	2·004
	10	1·846	1·858	1·859	1·853	1·858	1·870	1·872	1·868	1·910	1·920	1·932	1·960
	11	2·024	2·024	2·026	—	—	—	—	—	—	—	—	—
	12	—	—	—	1·938	1·918	1·896	1·878	1·864	1·850	1·848	1·846	1·846
	13	1·712	1·724	1·724	1·693	1·595	1·607	1·582	1·564	1·552	1·555	1·562	1·553
	14	1·665	1·688	1·680	1·693	1·703	1·703	1·695	1·699	1·703	1·709	1·710	1·710
	15	1·571	1·545	1·517	1·475	1·444	1·408	1·368	1·312	1·289	1·255	1·245	1·255
	16	1·594	1·619	1·638	1·654	1·646	1·640	1·648	1·664	1·654	1·654	1·648	1·638
	17	1·490	1·498	1·499	1·520	1·534	1·536	1·550	1·549	1·575	1·591	1·625	1·625
	18	1·816	1·828	1·834	—	—	—	—	—	—	—	—	—
	19	—	—	—	1·970	1·956	1·974	1·962	1·964	1·966	1·976	1·976	2·002
	20	2·008	2·030	2·066	2·096	2·104	2·112	2·126	2·130	2·134	2·139	2·158	2·174
	21	2·180	2·180	2·188	2·184	2·186	2·188	2·180	2·172	—	2·167	2·161	2·161
	22	2·090	2·064	2·073	2·072	2·074	2·076	2·078	2·078	2·088	2·100	2·124	2·140
	23	2·250	2·254	2·257	2·255	2·256	2·257	2·258	2·258	2·274	2·284	2·290	2·310
	24	2·320	2·322	2·317	2·307	2·289	2·278	2·268	2·263	2·263	2·261	2·268	2·273
	25	2·178	2·170	2·161	—	—	—	—	—	—	—	—	—
	26	—	—	—	1·861	1·849	1·852	1·838	1·833	1·830	1·836	1·844	1·847
	27	1·819	1·818	1·808	1·787	1·769	1·758	1·740	1·727	1·716	1·707	1·702	1·698
	28	1·577	1·576	1·578	1·588	1·585	1·591	1·594	1·602	1·612	1·638	1·646	1·658
	29	1·722	1·712	1·696	1·686	1·684	1·684	1·680	1·680	1·682	1·674	1·700	1·712
	30	1·727	1·714	1·700	1·698	1·698	1·684	1·670	1·674	1·686	1·694	1·706	1·716
	31	1·744	1·732	1·724	1·728	—	1·705	1·691	1·697	1·700	1·720	1·744	1·756
Hourly Means	1·9053	1·9056	1·9039	1·8931	1·8876	1·8811	1·8725	1·8694	1·8595	1·8756	1·8849	1·8927	
JUNE.	1	1·890	1·887	1·888	—	—	—	—	—	—	—	—	
	2	—	—	—	1·592	1·601	1·605	1·597	1·587	1·585	1·578	1·588	
	3	1·447	1·419	1·414	1·420	1·416	1·418	1·419	1·443	1·458	1·482	1·522	1·550
	4	1·792	1·780	1·774	1·770	1·748	1·734	1·716	1·696	1·668	1·643	1·611	1·575
	5	1·648	1·641	1·642	1·654	1·644	1·646	1·662	1·677	1·693	1·725	1·731	1·756
	6	1·769	1·731	1·717	1·670	1·630	1·614	1·558	1·546	1·507	1·503	1·575	1·555
	7	1·792	1·806	1·816	1·846	1·872	1·888	1·924	1·934	1·946	1·954	1·972	2·000
	8	1·908	1·906	1·910	—	—	—	—	—	—	—	—	—
	9	—	—	—	2·084	2·080	2·080	2·077	2·068	2·074	2·077	2·087	2·087
	10	2·033	2·038	2·030	2·026	2·025	2·022	2·013	2·008	2·024	2·038	2·046	2·056
	11	2·080	2·095	2·111	2·112	2·114	2·122	2·114	2·118	2·139	2·159	2·189	2·203
	12	2·256	2·264	2·259	2·241	2·233	2·230	2·221	2·222	2·222	2·228	2·225	2·202
	13	2·233	2·239	2·242	2·238	2·237	2·239	2·235	2·237	2·236	2·254	2·260	2·278
	14	2·307	2·311	2·316	2·310	2·306	2·306	2·304	2·309	—	—	2·342	2·347
	15	2·290	2·288	2·278	—	—	—	—	—	—	—	—	—
	16	—	—	—	2·076	2·056	2·053	2·032	2·016	1·998	1·981	1·971	1·959
	17	1·728	1·724	1·711	1·686	1·660	1·648	1·617	1·591	1·572	1·556	1·552	1·547
	18	1·446	1·472	1·474	1·483	1·499	1·512	1·514	1·519	1·530	1·532	1·543	1·545
	19	1·332	1·272	1·246	1·192	1·134	1·142	1·134	1·133	—	1·123	1·134	1·122
	20	1·108	1·115	1·119	1·101	1·102	1·121	1·127	1·159	1·160	1·194	1·227	1·265
	21	1·385	1·336	1·276	1·205	—	1·187	1·192	1·208	1·230	1·258	1·284	1·310
	22	1·453	1·461	1·472	—	—	—	—	—	—	—	—	—
	23	—	—	—	1·090	1·081	1·081	1·062	1·070	1·077	1·105	1·123	1·131
	24	1·316	1·311	1·306	1·302	1·304	1·290	1·276	1·236	1·226	1·212	1·206	1·205
	25	1·490	1·502	1·522	1·540	1·560	1·582	1·602	1·602	1·606	1·604	1·604	1·626
	26	1·869	1·883	1·901	1·911	1·918	1·924	1·940	1·953	1·978	1·984	1·997	2·026
	27	2·113	2·118	2·118	2·124	2·130	—	2·133	2·136	2·144	2·157	2·182	2·188
	28	2·256	2·268	2·287	2·291	2·290	2·294	2·297	2·313	2·331	2·337	2·343	2·362
	29	2·394	2·394	2·382	—	—	—	—	—	—	—	—	—
	30	—	—	—	2·327	2·319	2·321	2·321	2·309	2·319	2·333	2·347	2·353
Hourly Means	1·8134	1·8104	1·8084	1·7718	1·7896	1·7524	1·7635	1·7636	1·7706	1·7510	1·7860	1·7934	

BAROMETRIC PRESSURE.												
Barometer at 32° = 28 English inches + the numbers in the Table.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
1.985	1.992	1.994	1.983	1.977	1.989	1.995	2.011	2.031	2.046	2.062	2.065	1.9988
2.062	2.050	2.028	2.002	1.969	1.953	1.938	1.931	1.924	1.936	1.936	1.934	2.0141
1.914	1.904	1.892	1.864	1.844	1.832	1.814	1.802	1.803	1.797	1.794	1.796	1.8744
—	—	—	—	—	—	—	—	—	—	—	—	1.8723
1.896	1.904	1.893	1.882	1.870	1.871	1.871	1.883	1.899	1.922	1.934	1.939	1.9577
1.996	1.996	1.988	1.967	1.949	1.945	1.951	1.945	1.943	1.956	1.961	1.967	1.9784
1.952	1.931	1.930	1.921	1.944	1.985	2.022	2.053	2.078	2.112	2.139	2.157	2.2154
2.266	2.260	2.244	2.214	2.185	2.172	2.163	2.157	2.152	2.162	2.165	2.159	1.9736
1.992	1.976	1.948	1.926	1.886	1.854	1.848	1.838	1.826	1.826	1.833	1.825	1.9316
1.966	1.984	1.976	1.975	1.953	1.959	1.961	1.969	1.982	2.004	2.011	2.012	1.8373
—	—	—	—	—	—	—	—	—	—	—	—	1.6025
1.844	1.834	1.810	1.787	1.762	1.752	1.732	1.720	1.720	1.721	1.734	1.720	1.6711
1.559	1.556	1.563	1.561	1.566	1.559	1.573	1.599	1.605	1.617	1.627	1.652	1.3912
1.714	1.711	1.702	1.664	1.656	1.630	1.622	1.614	1.612	1.614	1.613	1.597	1.5642
1.285	1.309	1.317	1.304	1.333	1.337	1.373	1.399	1.460	1.485	1.534	1.570	1.6219
1.617	1.592	1.609	1.608	1.469	1.433	1.383	1.373	1.401	1.440	1.447	1.471	1.9323
1.658	1.656	1.670	1.672	1.652	1.670	1.678	1.680	1.696	1.753	1.759	1.791	2.1400
—	—	—	—	—	—	—	—	—	—	—	—	2.1381
1.990	1.978	1.958	1.902	1.877	1.862	1.871	1.888	1.902	1.948	1.980	1.995	2.1369
2.188	2.182	2.187	2.182	2.168	2.153	2.156	2.157	2.168	2.176	2.194	2.192	2.2824
2.163	2.158	2.150	2.130	2.101	2.078	2.070	2.056	2.068	2.081	2.085	2.090	2.2451
2.171	2.178	2.172	2.165	2.162	2.160	2.165	2.188	2.200	2.211	2.223	2.233	1.8806
2.316	2.314	2.307	2.296	2.279	2.271	2.284	2.291	2.292	2.300	2.310	2.316	1.6619
2.268	2.266	2.253	2.232	2.199	2.182	2.174	2.162	2.170	2.181	2.186	2.181	1.6551
—	—	—	—	—	—	—	—	—	—	—	—	1.7034
1.858	1.881	1.852	1.836	1.829	1.828	1.818	1.818	1.822	1.833	1.831	1.829	1.7129
1.670	1.656	1.633	1.594	1.560	1.525	1.510	1.506	1.516	1.540	1.558	1.569	1.7698
1.703	1.714	1.699	1.694	1.690	1.672	1.702	1.700	1.710	1.730	1.733	1.730	—
1.714	1.720	1.712	1.704	1.698	1.698	1.708	1.712	1.718	1.728	1.726	1.731	—
1.724	1.728	1.728	1.718	1.718	1.706	1.713	1.720	1.739	1.745	1.750	1.754	—
1.796	1.808	1.809	1.799	1.788	1.792	1.791	1.800	1.818	1.837	1.856	1.870	—
1.8988	1.8977	1.8897	1.8727	1.8549	1.8469	1.8476	1.8508	1.8613	1.8778	1.8882	1.8942	1.8334
—	—	—	—	—	—	—	—	—	—	—	—	1.5619
1.597	1.534	1.495	1.435	1.406	1.392	1.384	1.385	1.446	1.493	1.478	1.457	1.5527
1.567	1.570	1.599	1.583	1.604	1.630	1.654	1.682	1.708	1.727	1.761	1.773	1.6337
1.550	1.519	1.490	1.495	1.526	1.527	1.563	1.588	1.589	1.612	1.608	1.634	1.7285
1.776	1.797	1.782	1.769	1.762	1.760	1.772	1.780	1.798	1.791	1.790	1.789	1.6284
1.573	1.583	1.587	1.604	1.598	1.600	1.617	1.634	1.666	1.714	1.756	1.776	1.9131
2.016	2.017	1.982	1.960	1.920	1.904	1.893	1.886	1.899	1.889	1.895	1.904	2.0322
—	—	—	—	—	—	—	—	—	—	—	—	2.0365
2.084	2.075	2.058	2.040	2.010	1.998	1.992	1.996	2.006	2.018	2.026	2.032	2.1732
2.073	2.071	2.056	2.045	2.026	2.016	2.020	2.030	2.027	2.038	2.052	2.064	2.2172
2.206	2.219	2.212	2.210	2.202	2.196	2.202	2.208	2.219	2.233	2.245	2.250	2.2621
2.213	2.221	2.210	2.208	2.187	2.178	2.180	2.177	2.188	2.196	2.221	2.230	2.3059
2.288	2.291	2.290	2.278	2.266	2.257	2.262	2.269	2.280	2.286	2.301	2.295	—
2.348	2.348	2.339	2.316	2.302	2.271	2.264	2.265	2.268	2.276	2.284	2.290	1.9540
—	—	—	—	—	—	—	—	—	—	—	—	1.5440
1.951	1.943	1.908	1.880	1.837	1.818	1.798	1.778	1.770	1.751	1.739	1.724	1.4869
1.538	1.526	1.494	1.456	1.421	1.390	1.396	1.403	1.426	—	1.435	1.436	1.1327
1.546	1.540	1.517	1.516	1.468	1.462	1.450	1.450	1.442	1.426	1.416	1.380	1.2688
1.105	1.121	1.121	1.057	1.081	1.057	1.057	1.066	1.093	1.113	1.080	1.138	1.3427
1.299	1.326	1.339	1.357	1.374	1.387	1.403	1.433	1.440	1.442	1.441	1.413	—
1.333	1.367	1.394	1.406	1.408	1.416	1.422	1.446	1.438	1.451	1.471	1.459	1.1806
—	—	—	—	—	—	—	—	—	—	—	—	1.3130
1.125	1.123	1.112	1.112	1.104	1.120	1.146	1.181	1.231	1.265	1.296	1.314	1.6458
1.242	1.278	1.305	1.319	1.329	1.343	1.364	1.388	1.404	1.427	1.443	1.481	1.9984
1.636	1.647	1.658	1.659	1.666	1.693	1.711	1.732	1.764	1.814	1.832	1.848	2.1770
2.031	2.058	2.054	2.037	2.033	2.032	2.041	2.051	2.068	2.082	2.094	2.097	2.3357
2.201	2.222	2.218	2.198	2.179	2.182	2.194	2.204	2.219	2.230	2.238	2.244	—
2.374	2.382	2.370	2.362	2.353	2.346	2.348	2.348	2.358	2.376	2.382	2.390	2.0321
—	—	—	—	—	—	—	—	—	—	—	—	—
2.351	2.351	2.337	2.318	2.294	2.276	2.276	2.272	2.268	2.282	2.281	2.283	—
1.8009	1.8051	1.7971	1.7848	1.7742	1.7700	1.7763	1.7861	1.8006	1.8305	1.8226	1.8280	1.7898

BAROMETRIC PRESSURE.													
Barometer at 32° = 28 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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
JULY.	1	2.278	2.276	2.276	2.270	2.254	2.250	2.232	2.214	2.207	2.207	2.208	2.208
	2	1.994	1.980	1.962	1.950	1.922	1.902	1.870	1.852	1.840	1.836	1.830	1.834
	3	1.735	1.726	1.708	1.686	1.667	1.659	1.644	1.636	1.632	1.644	1.643	1.643
	4	1.628	1.627	1.623	—	1.608	1.592	—	1.572	1.556	1.556	1.567	1.566
	5	1.394	1.380	1.366	1.324	1.293	1.293	1.283	1.271	—	1.322	1.354	1.392
	6	1.754	1.752	1.750	—	—	—	—	—	—	—	—	—
	7	—	—	—	1.199	1.165	1.164	1.159	1.153	1.208	1.240	1.308	1.344
	8	1.549	1.552	1.554	1.559	1.571	1.579	1.588	1.592	1.602	1.620	1.644	1.680
	9	1.840	1.869	1.874	1.868	1.877	1.888	1.882	1.874	1.875	1.875	1.870	1.883
	10	1.693	1.674	1.655	1.614	1.597	1.577	1.549	1.519	1.485	1.467	1.443	1.425
	11	1.215	1.202	1.194	1.176	1.159	1.159	1.147	1.144	1.138	1.146	1.150	1.164
	12	1.280	1.292	1.308	1.316	1.328	1.338	1.360	1.370	—	1.414	1.434	1.456
	13	1.739	1.751	1.773	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	1.899	1.933	1.938	1.944	1.946	1.969	1.989	2.002
	15	2.038	2.035	2.032	2.026	2.014	2.006	1.992	1.992	1.973	1.962	1.958	1.961
	16	1.690	1.672	1.650	1.630	1.596	1.587	1.557	1.543	1.523	1.521	1.516	1.508
	17	1.436	1.436	1.432	1.418	1.415	1.423	1.411	1.419	1.423	1.437	1.443	1.460
	18	1.529	1.538	1.538	1.536	1.538	—	—	1.547	1.545	1.561	1.563	1.579
	19	1.601	1.602	1.608	1.604	1.597	1.599	1.598	1.590	1.598	1.598	1.618	1.632
	20	1.800	1.800	1.796	—	—	—	—	—	—	—	—	—
	21	—	—	—	2.095	2.088	2.098	2.082	2.074	—	2.085	2.088	2.085
	22	2.074	2.085	2.089	2.090	2.094	2.096	2.102	2.104	2.106	1.116	2.137	2.139
	23	2.077	2.063	2.054	2.040	2.026	2.008	1.980	1.966	1.956	1.940	1.955	1.948
	24	2.076	2.076	2.090	2.095	2.095	2.100	2.100	2.112	2.134	2.142	2.152	2.164
	25	1.996	2.000	1.998	1.992	1.984	1.994	1.994	2.012	2.024	2.044	2.072	2.089
	26	2.240	2.246	2.269	2.270	2.260	2.262	2.254	2.250	2.257	2.269	2.277	2.297
	27	2.277	2.282	2.289	—	—	—	—	—	—	—	—	—
	28	—	—	—	2.292	2.294	2.294	2.282	2.286	2.290	2.297	2.321	2.327
	29	2.351	2.357	2.356	2.356	2.359	2.367	2.367	2.379	2.387	2.405	2.425	2.471
	30	2.585	2.589	2.594	2.598	2.602	2.607	2.592	2.590	2.588	2.609	2.611	2.630
	31	2.559	2.556	2.552	2.544	2.543	2.543	2.537	2.537	2.535	2.541	2.544	2.546
Hourly Means	1.8677	1.8673	1.8663	1.8619	1.8461	1.8584	1.8600	1.8349	1.8678	1.8453	1.8563	1.8679	
AUGUST.	1	2.418	2.411	2.404	2.400	2.386	2.378	2.360	2.348	2.343	2.345	2.349	2.342
	2	2.200	2.186	2.170	2.149	2.133	2.124	2.106	2.081	2.056	2.046	2.036	2.030
	3	1.710	1.676	1.661	—	—	—	—	—	—	—	—	—
	4	—	—	—	1.725	1.734	1.746	1.760	1.781	1.802	1.822	1.840	1.866
	5	1.880	1.875	1.872	1.852	1.860	1.855	1.836	1.823	1.811	1.804	1.804	1.802
	6	1.814	1.822	1.832	1.842	1.863	1.871	1.858	1.874	1.888	1.924	1.936	1.922
	7	1.900	1.874	1.860	1.842	1.830	1.812	1.796	1.790	1.785	1.786	1.792	1.796
	8	1.692	1.678	1.666	1.656	1.640	1.626	1.620	1.600	1.590	1.585	1.566	1.568
	9	1.400	1.390	1.374	1.350	1.339	1.329	1.312	1.295	1.290	1.277	1.233	1.282
	10	1.266	1.261	1.262	—	—	—	—	—	—	—	—	—
	11	—	—	—	1.348	1.345	1.344	1.343	1.347	1.341	1.350	1.362	1.378
	12	1.460	1.446	1.461	1.467	1.473	1.481	1.477	1.483	1.495	1.519	1.543	1.569
	13	1.658	1.669	1.674	1.678	1.678	1.681	1.682	1.674	1.685	1.683	1.682	1.691
	14	1.434	1.396	1.357	1.315	—	1.247	1.211	1.206	1.206	1.185	1.205	1.215
	15	1.588	1.600	1.618	1.642	1.658	1.683	1.691	1.709	1.725	—	1.786	1.803
	16	1.996	1.996	2.001	1.998	2.000	1.999	1.996	2.006	2.006	2.007	2.007	2.014
	17	1.970	1.965	1.953	—	—	—	—	—	—	—	—	—
	18	—	—	—	1.673	1.637	1.597	1.561	1.525	1.483	1.467	1.446	1.434
	19	1.260	—	1.244	1.234	1.234	1.240	1.238	1.228	1.221	1.226	1.230	1.224
	20	1.119	1.115	1.117	1.117	1.126	1.117	1.111	1.135	1.167	1.201	1.247	1.266
	21	1.199	1.167	1.143	1.118	1.069	1.041	1.019	1.008	1.023	1.023	1.045	1.065
	22	1.290	1.314	1.335	1.335	1.363	1.383	1.390	1.410	1.432	1.456	1.477	1.488
	23	1.538	1.533	1.533	1.531	1.523	1.525	1.530	1.526	1.540	1.556	1.592	1.621
	24	1.798	1.806	1.818	—	—	—	—	—	—	—	—	—
	25	—	—	—	1.986	1.984	1.970	1.971	1.974	1.987	—	1.999	2.007
	26	2.008	2.005	2.006	2.014	2.017	2.008	2.006	2.008	2.011	2.023	2.044	2.048
	27	2.033	2.032	—	2.030	2.024	2.014	2.004	2.006	2.000	2.008	2.018	2.028
	28	1.981	1.980	1.974	1.966	1.964	1.952	1.936	1.941	1.944	1.956	1.957	1.966
	29	1.879	1.868	1.864	1.864	1.856	1.844	1.828	1.838	1.858	1.874	1.889	1.915
	30	2.047	2.051	2.047	2.053	2.066	2.064	2.054	2.066	1.070	2.080	2.102	2.116
Hourly Means	1.7130	1.7246	1.6898	1.6994	1.7121	1.6897	1.6806	1.6801	1.6830	1.6751	1.7014	1.7098	

BAROMETRIC PRESSURE.												Daily and Monthly Means.
Barometer at 32° = 28 English inches + the numbers in the Table.												
12	13	14	15	16	17	18	19	20	21	22	23	
21	22	23	0	1	2	3	4	5	6	7	8	
2'201	2'186	2'156	2'123	2'087	2'055	2'054	2'025	2'017	2'007	2'001	1'990	2'1576
1'832	1'819	1'800	1'778	1'756	1'738	1'724	1'731	1'730	1'752	1'760	1'757	1'8312
1'659	1'668	1'666	1'643	1'629	1'619	1'621	1'614	1'623	1'622	1'622	1'623	1'6513
1'570	1'576	1'545	1'524	1'498	1'480	1'470	1'455	1'442	1'436	1'423	1'404	1'5326
1'419	1'435	1'467	1'488	1'514	1'546	1'578	1'616	1'651	1'690	1'708	1'731	1'4572
—	—	—	—	—	—	—	—	—	—	—	—	—
1'368	1'404	1'412	1'408	1'414	1'424	1'440	1'460	1'488	1'517	1'532	1'542	1'4002
1'698	1'714	1'713	1'711	1'710	1'714	1'736	1'751	1'773	1'798	1'816	1'830	1'6522
1'876	1'871	1'848	1'822	1'802	1'784	1'780	1'760	1'748	1'746	1'727	1'715	1'8314
1'405	1'387	1'351	1'307	1'281	1'265	1'255	1'247	1'233	1'243	1'240	1'227	1'4224
1'166	1'176	1'176	1'175	1'167	1'181	1'188	1'206	1'230	1'247	1'261	1'277	1'1851
1'476	1'510	1'523	1'526	1'540	1'558	1'578	1'606	1'630	1'664	1'688	1'718	1'4744
—	—	—	—	—	—	—	—	—	—	—	—	—
2'012	2'034	2'021	2'014	1'995	2'000	2'004	2'006	2'009	2'020	2'028	2'040	1'9594
1'946	1'936	1'896	1'852	1'830	1'804	1'784	1'756	1'743	1'744	1'724	1'710	1'9047
1'512	1'495	1'476	1'448	1'424	1'412	1'416	1'418	1'422	1'430	1'436	1'440	1'5134
1'467	1'469	1'464	1'453	1'443	1'443	1'457	1'469	1'478	1'492	1'511	1'518	1'4507
1'594	1'593	1'576	1'558	1'551	1'555	1'552	1'563	1'574	1'582	1'593	1'594	1'5618
1'628	1'632	1'637	1'634	1'637	1'645	1'682	1'705	1'733	1'754	1'768	1'794	1'6456
—	—	—	—	—	—	—	—	—	—	—	—	—
2'062	2'062	2'049	2'000	1'995	2'008	2'020	2'026	2'038	2'046	2'053	2'068	2'0225
2'152	2'154	2'146	2'122	2'107	2'094	2'094	2'088	2'090	2'094	2'090	2'086	2'1062
1'947	1'942	1'924	1'927	1'928	1'941	1'974	1'986	2'009	2'020	2'042	2'056	1'9878
2'165	2'160	2'136	2'104	2'085	2'060	2'057	2'044	2'030	2'032	2'028	2'024	2'0942
2'124	2'146	2'140	2'150	2'138	2'136	2'142	2'156	2'165	2'195	2'217	2'228	2'0890
2'303	2'300	2'288	2'270	2'253	2'243	2'239	2'235	2'235	2'246	2'255	2'265	2'2618
—	—	—	—	—	—	—	—	—	—	—	—	—
2'343	2'350	2'344	2'329	2'319	2'317	2'315	2'319	2'328	2'337	2'344	2'346	2'3134
2'478	2'497	2'494	2'489	2'489	2'496	2'499	2'512	2'531	2'553	2'568	2'576	2'4484
2'643	2'637	2'625	2'610	2'587	2'569	2'567	2'563	2'563	2'566	2'568	2'557	2'5937
2'541	2'532	2'523	2'486	2'458	2'441	2'435	2'425	2'410	2'426	2'430	2'425	2'5029
—	—	—	—	—	—	—	—	—	—	—	—	—
1'8736	1'8772	1'8665	1'8500	1'8384	1'8344	1'8393	1'8423	1'8490	1'8614	1'8679	1'8719	1'8571
—	—	—	—	—	—	—	—	—	—	—	—	—
2'354	2'340	2'326	2'292	2'261	2'248	2'235	2'214	2'205	2'194	2'198	2'200	2'3146
2'001	1'979	1'940	1'890	1'848	1'814	1'788	1'776	1'762	1'740	1'730	1'719	1'9710
—	—	—	—	—	—	—	—	—	—	—	—	—
1'880	1'874	1'865	1'858	1'854	1'858	1'844	1'850	1'863	1'878	1'886	1'887	1'8133
1'796	1'787	1'766	1'748	1'724	1'725	1'723	1'730	1'734	1'756	1'785	1'799	1'7978
1'922	1'928	1'925	1'890	1'876	1'869	1'875	1'872	1'878	1'885	1'894	1'893	1'8814
1'788	1'774	1'758	1'726	1'693	1'684	1'672	1'670	1'664	1'682	1'683	1'689	1'7644
1'568	1'549	1'529	1'503	1'466	1'452	1'436	1'404	1'404	1'411	1'405	1'406	1'5425
1'275	1'266	1'250	1'221	1'215	1'211	1'209	1'214	1'223	1'238	1'248	1'258	1'2812
—	—	—	—	—	—	—	—	—	—	—	—	—
1'407	1'405	1'396	1'387	1'373	1'371	1'381	1'381	1'406	1'414	1'435	1'450	1'3647
1'575	1'580	1'583	1'573	1'564	1'573	1'575	1'583	1'606	1'620	1'642	1'646	1'5414
1'692	1'684	1'662	1'630	1'603	1'579	1'565	1'549	1'530	1'512	1'491	1'464	1'6290
1'236	1'247	1'273	1'280	1'288	1'321	1'353	1'401	1'433	1'483	1'514	1'550	1'3198
1'824	1'836	1'848	1'846	1'857	1'866	1'884	1'892	1'921	1'948	1'964	1'979	1'7899
2'028	2'017	2'005	1'986	1'957	1'947	1'935	1'919	1'926	1'936	1'955	1'968	1'9835
—	—	—	—	—	—	—	—	—	—	—	—	—
1'408	1'380	1'354	1'314	1'302	1'284	1'263	1'259	1'257	1'264	1'267	1'268	1'4721
1'202	1'184	1'155	1'120	1'092	1'090	1'090	1'103	1'108	1'110	1'125	1'120	1'1773
1'279	1'292	1'295	1'282	1'265	1'265	1'248	1'245	1'230	1'239	—	1'223	1'2044
1'078	1'071	1'058	1'065	1'066	1'065	1'071	1'113	1'151	1'195	1'229	1'276	1'0982
1'481	1'490	1'485	1'486	1'476	1'485	1'483	1'498	1'511	1'524	1'523	1'528	1'4435
1'644	1'639	1'635	1'630	1'620	1'631	1'633	1'661	1'692	1'722	1'751	1'781	1'6078
—	—	—	—	—	—	—	—	—	—	—	—	—
2'025	1'991	1'986	1'964	1'946	1'938	1'936	1'936	1'946	1'960	1'982	1'995	1'9524
2'066	2'053	2'041	2'022	2'006	1'995	1'988	1'985	2'000	2'006	2'016	2'020	2'0161
2'030	2'027	2'014	1'995	1'975	1'963	1'952	1'954	1'959	1'962	1'976	1'974	1'9991
1'979	1'952	1'930	1'908	1'886	1'866	1'859	1'848	1'848	1'870	1'872	1'876	1'9255
1'920	1'935	1'930	1'918	1'918	1'920	1'933	1'952	1'974	1'997	2'018	2'032	1'9093
2'138	2'129	2'121	2'101	2'077	2'066	2'060	2'070	2'076	2'086	2'093	2'089	2'0501
—	—	—	—	—	—	—	—	—	—	—	—	—
1'7152	1'7080	1'6973	1'6783	1'6618	1'6571	1'6535	1'6569	1'6657	1'6781	1'7073	1'6958	1'6888

BAROMETRIC PRESSURE.													
Barometer at 32° = 28 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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Aug. 31	2·096	2·100	2·092	—	—	—	—	—	—	—	—	—	
1	—	—	—	2·144	2·144	2·138	2·127	2·130	—	2·129	2·136	2·148	
2	2·150	2·145	—	2·126	2·119	2·096	2·088	2·084	2·072	2·068	2·066	2·072	
3	1·852	1·847	—	1·819	1·810	1·778	1·748	1·732	1·732	1·724	1·692	1·680	
4	1·395	1·438	1·426	1·407	1·398	1·372	1·344	1·328	1·318	1·311	1·297	1·311	
5	1·572	1·590	1·588	1·602	1·634	1·646	1·652	1·672	1·698	1·720	1·744	1·770	
6	1·812	1·804	1·787	1·772	1·751	1·725	1·706	1·688	1·663	1·647	1·637	1·614	
7	1·694	1·683	1·660	—	—	—	—	—	—	—	—	—	
8	—	—	—	1·644	1·634	1·622	1·606	1·577	1·565	1·539	1·515	1·499	
9	1·812	1·842	1·868	1·894	1·919	1·931	1·942	1·956	1·989	2·004	2·038	2·060	
10	2·033	2·008	1·984	1·955	1·951	1·921	1·881	1·865	—	1·821	1·807	1·788	
11	1·621	1·649	1·684	1·730	1·748	1·762	1·790	1·814	1·825	1·849	1·899	1·931	
12	2·090	2·104	2·108	2·116	2·122	2·124	2·126	2·138	—	2·154	2·185	2·210	
13	2·284	2·286	2·290	2·290	2·288	2·277	2·273	2·280	2·282	2·291	2·295	2·310	
14	2·254	2·243	2·234	—	—	—	—	—	—	—	—	—	
15	—	—	—	1·971	1·951	1·918	1·890	1·872	1·864	1·852	1·848	1·840	
16	1·607	1·593	1·559	1·533	1·519	1·473	1·443	1·421	1·403	1·393	1·393	1·389	
17	1·448	1·452	1·454	1·460	1·466	1·460	1·467	1·477	1·485	1·502	1·514	1·532	
18	1·644	1·656	1·662	1·666	1·662	1·658	1·650	1·660	1·678	1·688	1·710	1·714	
19	1·663	1·619	1·608	1·622	1·606	1·584	1·578	1·534	1·526	1·525	1·517	1·514	
20	1·448	1·442	1·440	1·439	1·436	1·422	1·423	1·420	1·400	1·410	1·424	1·416	
21	1·179	1·137	1·122	—	—	—	—	—	—	—	—	—	
22	—	—	—	1·116	1·119	1·125	1·135	1·145	1·180	1·201	1·260	1·306	
23	1·906	1·949	1·979	1·996	2·021	2·036	2·056	2·086	2·102	2·136	2·166	2·182	
24	2·285	2·285	2·283	2·279	2·272	2·252	2·245	2·242	2·246	2·264	2·274	2·275	
25	2·227	2·219	2·227	2·219	2·245	2·217	2·208	2·205	2·203	2·205	2·211	2·218	
26	2·065	2·048	2·047	2·034	1·962	1·964	1·966	1·960	1·938	1·941	1·940	1·937	
27	1·858	1·856	1·850	1·843	1·843	1·832	1·828	1·820	1·830	1·836	1·850	1·848	
28	1·800	1·788	1·772	—	—	—	—	—	—	—	—	—	
29	—	—	—	1·363	1·337	1·298	1·264	1·218	1·168	1·138	1·109	1·069	
30	0·978	1·004	1·037	1·067	1·052	1·068	1·088	1·120	1·149	1·187	1·213	1·237	
Hourly Means	1·7989	1·7995	1·7817	1·7733	1·7696	1·7577	1·7509	1·7488	1·7094	1·7513	1·7592	1·7642	
OCTOBER.	1	1·639	1·675	1·698	1·730	1·746	1·756	1·775	1·808	1·832	1·845	1·874	1·896
	2	2·028	2·035	2·037	2·040	2·044	2·050	2·044	2·044	2·031	2·041	2·051	2·060
	3	2·033	2·026	2·021	2·008	2·008	1·996	1·989	1·973	1·985	1·991	2·016	2·021
	4	2·005	2·013	2·016	2·016	—	2·018	2·021	2·034	2·046	2·066	2·081	2·089
	5	2·188	2·191	2·191	—	—	—	—	—	—	—	—	—
	6	—	—	—	2·084	2·068	2·052	2·028	2·019	2·012	2·020	2·014	2·012
	7	1·830	1·822	1·807	1·787	1·765	—	1·733	1·709	1·707	1·707	1·697	1·674
	8	1·640	1·659	1·669	1·671	1·658	1·656	1·662	1·674	1·676	1·686	1·707	1·709
	9	1·694	1·716	1·726	1·734	1·716	1·722	1·731	1·740	1·770	1·782	1·795	1·815
	10	1·916	1·920	1·925	1·921	1·922	1·918	1·912	1·905	1·926	1·938	1·963	1·954
	11	1·965	1·966	1·964	1·962	1·959	1·953	1·948	1·953	1·969	1·978	1·997	1·999
	12	1·977	1·978	1·980	—	—	—	—	—	—	—	—	—
	13	—	—	—	2·038	2·043	2·048	2·050	2·053	2·071	2·096	2·124	2·128
	14	2·101	2·103	2·094	2·085	2·082	2·060	2·053	2·053	2·043	2·061	2·070	2·068
	15	2·003	2·000	2·009	1·997	1·994	—	1·929	1·926	1·924	1·933	1·946	1·932
	16	1·875	1·861	1·857	1·844	1·842	1·836	1·824	1·806	1·800	1·798	1·796	1·782
	17	1·716	1·758	1·763	1·766	1·764	1·768	1·784	1·817	1·840	1·864	1·884	1·911
	18	1·942	1·940	1·919	1·898	1·861	1·811	1·779	1·763	1·764	1·762	1·734	1·710
	19	1·534	1·519	1·510	—	—	—	—	—	—	—	—	—
	20	—	—	—	1·225	1·250	1·264	1·293	1·327	1·376	1·412	1·439	1·461
	21	1·664	1·634	1·611	1·588	1·564	1·542	1·527	1·521	1·519	1·524	1·531	1·535
	22	1·271	1·261	1·210	1·178	1·164	1·156	1·191	1·264	1·335	1·430	1·468	1·499
	23	1·507	1·459	1·423	1·368	1·286	1·224	1·161	1·096	1·048	1·078	1·090	1·112
	24	1·565	1·569	1·568	1·564	1·559	1·534	1·520	1·514	1·536	1·536	1·532	1·505
	25	1·182	1·180	1·174	1·189	—	1·244	1·298	1·314	1·349	1·377	1·404	1·423
	26	1·875	1·905	1·929	—	—	—	—	—	—	—	—	—
	27	—	—	—	2·007	1·985	1·979	1·969	1·975	2·001	2·015	2·014	2·012
	28	1·867	1·854	1·815	1·792	1·768	1·754	1·748	1·688	1·681	1·675	1·669	1·649
	29	1·758	1·768	1·772	1·779	1·736	1·783	1·780	1·782	1·794	1·808	1·818	1·837
	30	1·924	1·924	1·901	1·891	1·886	1·862	1·874	1·865	1·879	1·888	1·892	1·882
	31	1·852	1·844	1·836	1·828	1·828	1·829	1·832	1·830	1·837	1·847	1·860	1·862
Hourly Means	1·7982	1·7992	1·7945	1·7774	1·7799	1·7526	1·7576	1·7575	1·7686	1·7836	1·7950	1·7977	

BAROMETRIC PRESSURE.												Daily and Monthly Means.				
Barometer at 32° = 28 English inches + the numbers in the Table.																
12	13	14	15	16	17	18	19	20	21	22	23					
21	22	23	0	1	2	3	4	5	6	7	8					
—	—	—	—	—	—	—	—	—	—	—	—	} 2'1292				
2'180	2'164	2'154	2'136	2'121	2'110	2'103	2'104	2'112	2'124	2'136	2'144		} 2'0109			
2'079	2'056	2'012	1'981	1'938	1'910	1'889	1'875	1'862	1'854	1'854	1'855			} 1'6065		
1'664	1'637	1'593	1'538	1'481	1'430	1'402	1'370	1'356	1'365	1'349	1'351				} 1'4880	
1'306	1'274	1'277	1'284	1'262	1'307	1'340	1'373	1'413	1'470	1'520	1'542					} 1'7177
1'788	1'791	1'790	1'776	1'760	1'758	1'754	1'760	1'764	1'784	1'800	1'811					
1'586	1'551	1'517	1'585	1'623	1'609	1'633	1'655	1'677	1'697	1'708	1'718	} 1'5843				
—	—	—	—	—	—	—	—	—	—	—	—		} 1'9870			
1'498	1'487	1'487	1'484	1'481	1'495	1'524	1'558	1'611	0'667	1'719	1'773			} 1'7516		
2'074	2'058	2'050	2'038	2'022	2'022	2'018	2'020	2'024	2'033	2'040	2'034				} 1'8804	
1'766	1'715	1'670	1'611	1'569	1'557	1'555	1'540	1'542	1'546	1'588	1'613					} 2'1793
1'955	1'959	1'950	1'952	1'954	1'962	1'971	1'977	2'004	2'027	2'042	2'075					
2'236	2'217	2'209	2'200	2'195	2'189	2'191	2'214	2'225	2'238	2'259	2'274	} 1'8457				
2'316	2'306	2'297	2'275	2'264	2'246	2'230	2'226	2'228	2'225	2'224	2'236		} 1'4203			
—	—	—	—	—	—	—	—	—	—	—	—			} 1'5175		
1'822	1'804	1'784	1'758	1'733	1'705	1'682	1'666	1'657	1'666	1'652	1'631				} 1'6756	
1'377	1'363	1'347	1'337	1'326	1'324	1'341	1'343	1'361	1'393	1'415	1'434					} 1'5004
1'533	1'535	1'535	1'526	1'528	1'532	1'543	1'554	1'574	1'591	1'611	1'642					
1'715	1'708	1'712	1'699	1'678	1'672	1'674	1'648	1'652	1'666	1'672	1'671	} 1'3720				
1'490	1'475	1'448	1'428	1'408	1'399	1'387	1'387	1'402	1'416	1'434	1'439		} 2'1364			
1'391	1'381	1'335	1'299	1'267	1'253	1'231	1'218	1'199	1'178	1'185	1'185			} 2'2432		
—	—	—	—	—	—	—	—	—	—	—	—				} 2'1665	
1'334	1'381	1'418	1'456	1'495	1'533	1'573	1'623	1'686	1'743	1'798	1'864					} 1'9140
2'204	2'212	2'209	2'202	2'195	2'198	2'203	2'211	2'226	2'249	2'269	2'280					
2'283	2'264	2'232	2'206	2'184	2'184	2'171	2'183	2'218	2'236	2'241	2'234	} 1'1485				
2'213	2'216	2'181	2'158	2'125	2'094	2'077	2'060	2'057	2'064	2'070	2'078		} 1'2612			
1'926	1'902	1'881	1'854	1'835	1'818	1'800	1'801	1'804	1'817	1'836	1'860			} 1'7490		
1'846	1'830	1'809	1'788	1'764	1'771	1'785	1'753	1'750	1'766	1'786	1'797				} 1'8636	
—	—	—	—	—	—	—	—	—	—	—	—					} 2'0309
1'057	1'008	0'987	0'939	0'927	0'899	0'879	0'871	0'891	0'899	0'918	0'964					
1'267	1'285	1'305	1'335	1'365	1'403	1'421	1'457	1'497	1'531	1'581	1'621	} 2'0836				
1'7656	1'7537	1'7380	1'7248	1'7116	1'7069	1'7068	1'7095	1'7228	1'7402	1'7579	1'7741		} 1'9671			
—	—	—	—	—	—	—	—	—	—	—	—			} 1'6553		
1'926	1'922	1'929	1'926	1'940	1'940	1'938	1'954	1'962	1'983	2'006	2'026				} 1'6579	
2'055	2'050	2'039	2'025	2'016	2'002	1'994	1'994	1'994	2'008	2'025	2'034					} 1'7913
2'014	2'003	1'990	1'966	1'966	1'955	1'934	1'936	1'939	1'957	1'966	2'005					
2'100	2'098	2'100	2'103	2'111	2'114	2'117	2'120	2'140	2'159	2'172	2'184	} 1'9617				
—	—	—	—	—	—	—	—	—	—	—	—		} 2'0688			
1'994	1'961	1'909	1'878	1'857	1'829	1'810	1'801	1'809	1'816	1'833	1'834			} 2'0419		
1'650	1'618	1'581	1'554	1'538	1'530	1'509	1'512	1'532	1'568	1'608	1'635				} 1'9139	
1'704	1'692	1'665	1'652	1'628	1'601	—	1'589	1'595	1'606	1'656	1'678					} 1'7640
1'828	1'828	1'809	1'807	1'807	1'803	1'808	1'830	1'855	1'868	1'894	1'913					
1'955	1'936	1'910	1'899	1'895	1'874	1'877	1'887	1'907	1'920	1'955	1'971	} 1'6775				
2'004	2'018	1'971	1'950	1'948	1'920	1'919	1'903	1'927	1'954	1'970	1'984		} 1'4917			
—	—	—	—	—	—	—	—	—	—	—	—			} 1'4815		
2'131	2'145	2'102	2'091	2'081	2'073	2'057	2'056	2'070	2'069	2'093	2'098				} 1'4115	
2'084	2'079	2'040	2'015	1'997	1'983	1'979	1'979	1'985	1'991	1'994	2'008					} 1'2774
1'938	1'890	1'885	1'878	1'865	1'841	1'841	1'842	1'850	1'852	1'864	1'881					
1'770	1'759	1'723	1'689	1'675	1'646	1'640	1'681	1'693	1'707	1'715	1'718	} 1'4483				
1'924	1'935	1'930	1'935	1'927	1'925	1'925	1'939	1'939	1'946	1'956	1'966		} 1'9455			
1'681	1'636	1'574	1'520	1'468	1'480	1'481	1'473	1'499	1'508	1'528	1'529			} 1'6959		
—	—	—	—	—	—	—	—	—	—	—	—				} 1'8147	
1'509	1'536	1'550	1'569	1'582	1'590	1'614	1'627	1'629	1'645	1'671	1'670					} 1'8470
1'540	1'522	1'477	1'440	1'418	1'401	1'345	1'315	1'323	1'340	1'360	1'316					
1'500	1'527	1'542	1'546	1'549	1'538	1'522	1'530	1'542	1'536	1'560	1'558	} 1'7761				
1'128	1'142	1'143	1'175	1'214	1'290	1'336	1'384	1'428	1'479	1'520	1'567		} 1'6959			
1'483	1'458	1'422	1'403	1'357	1'302	1'280	1'251	1'223	1'188	1'176	1'168			} 1'8147		
1'448	1'465	1'509	1'514	1'544	1'576	1'597	—	1'685	1'748	1'787	1'856				} 1'8470	
—	—	—	—	—	—	—	—	—	—	—	—					} 1'8394
2'012	1'979	1'975	1'956	1'938	1'911	1'885	1'878	1'868	1'867	1'876	1'880					
1'625	1'585	1'586	1'597	1'589	1'613	1'630	1'656	1'664	1'727	1'720	1'749	} 1'7761				
1'824	1'821	1'802	1'810	1'808	1'816	1'825	1'848	1'861	1'896	1'910	1'918		} 1'7761			
1'866	1'847	1'837	1'807	1'781	1'765	1'769	1'770	1'779	1'789	1'810	1'840			} 1'7761		
1'844	1'840	1'821	1'807	1'816	1'813	1'815	1'820	1'838	1'854	1'892	1'900				} 1'7761	
1'7977	1'7886	1'7711	1'7597	1'7524	1'7456	1'7479	1'7529	1'7606	1'7771	1'7969	1'8106					1'7761

BAROMETRIC PRESSURE.													
Barometer at 32° = 28 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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
NOVEMBER.	1	1.921	1.924	1.912	1.904	1.892	1.883	1.882	1.878	—	—	1.837	1.820
	2	1.374	1.333	1.321	—	—	—	—	—	—	—	—	—
	3	—	—	—	1.337	1.311	1.307	1.301	1.292	1.290	1.286	1.307	1.309
	4	1.594	1.597	1.597	1.573	1.553	1.553	1.539	1.529	1.513	1.499	1.490	1.483
	5	1.559	1.563	1.572	1.591	1.608	1.639	1.666	1.678	1.710	1.757	1.788	1.828
	6	2.028	2.008	2.002	1.986	1.958	1.947	1.921	1.893	—	1.872	1.862	1.844
	7	1.675	1.680	1.699	1.606	1.703	1.713	1.740	1.758	—	1.829	1.862	1.878
	8	1.968	1.973	1.969	1.966	1.958	1.946	1.952	1.974	1.998	2.028	2.062	2.080
	9	2.201	2.202	2.211	—	—	—	—	—	—	—	—	—
	10	—	—	—	2.225	2.208	2.196	2.184	2.182	2.181	2.180	2.186	2.181
	11	2.054	2.022	2.005	1.976	1.962	1.949	1.940	1.926	—	1.929	1.922	1.907
	12	1.661	1.648	1.636	1.621	1.580	1.592	1.591	1.602	1.642	1.664	1.687	1.697
	13	1.798	1.801	1.800	1.792	1.790	1.775	1.778	1.797	1.818	1.831	1.842	1.852
	14	1.759	1.738	1.704	1.658	1.630	1.598	1.570	1.551	1.542	1.528	1.516	1.498
	15	1.434	1.459	1.474	1.481	—	1.514	1.533	1.576	1.602	1.631	1.642	1.659
	16	1.863	1.860	1.864	—	—	—	—	—	—	—	—	—
	17	—	—	—	1.891	1.878	1.870	1.862	1.856	1.860	1.862	1.864	1.865
	18	1.736	1.717	1.693	1.670	1.667	1.645	1.621	1.625	1.615	1.607	1.603	1.596
	19	1.532	1.537	1.521	1.511	1.499	1.489	1.479	1.469	1.460	1.460	1.458	1.457
	20	1.523	1.532	1.526	1.518	1.521	1.526	1.518	1.534	1.542	1.562	1.569	1.568
	21	1.597	1.603	1.600	1.595	—	1.583	1.579	1.579	1.593	1.605	1.615	1.620
	22	1.625	1.623	1.623	1.613	1.611	1.599	1.594	1.592	—	1.613	1.621	1.624
	23	1.731	1.739	1.736	—	—	—	—	—	—	—	—	—
	24	—	—	—	1.983	1.984	1.980	1.980	1.981	1.995	2.018	2.032	—
	25	2.039	2.035	2.019	2.007	—	1.973	1.960	1.954	1.955	1.968	1.977	1.977
	26	1.656	1.950	1.949	1.937	—	1.909	1.896	1.874	1.855	1.856	1.841	1.819
	27	1.721	1.709	1.698	1.671	1.681	1.689	1.710	1.717	1.733	1.740	1.745	1.740
	28	1.681	1.678	1.670	1.657	1.653	1.635	1.625	1.618	1.609	1.605	1.610	1.618
	29	1.678	1.666	1.669	1.662	1.648	1.636	1.664	1.676	1.696	1.711	1.758	1.769
Hourly Means	1.7483	1.7439	1.7383	1.7409	1.7365	1.7253	1.7225	1.7237	1.7105	1.7350	1.7478	1.7370	
DECEMBER.	Nov. 30	2.043	2.058	2.066	—	—	—	—	—	—	—	—	
	1	—	—	—	2.313	2.312	2.305	2.302	2.318	2.326	2.346	2.365	2.360
	2	2.342	2.336	2.328	2.320	2.305	2.292	2.291	2.281	—	2.312	2.329	2.332
	3	2.377	2.380	2.366	2.348	2.330	2.312	2.294	2.290	2.287	2.283	2.271	2.261
	4	2.066	2.039	2.014	1.990	1.958	1.944	1.925	1.907	1.886	1.889	1.876	1.873
	5	1.996	2.005	2.008	1.996	1.987	1.977	1.964	1.964	1.970	1.974	1.969	1.958
	6	1.616	1.592	1.577	1.563	—	1.552	1.538	1.546	1.544	1.530	1.549	1.561
	7	1.695	1.700	1.710	—	—	—	—	—	—	—	—	—
	8	—	—	—	1.728	1.716	1.715	1.705	1.689	1.696	1.699	1.709	1.707
	9	1.843	1.854	1.862	1.872	1.887	1.896	1.906	1.925	1.945	1.980	2.008	2.012
	10	1.985	1.976	1.966	1.957	1.944	1.924	1.914	1.917	1.900	1.902	1.896	1.872
	11	1.619	1.599	1.554	1.547	1.500	1.478	1.428	1.366	1.320	1.282	1.238	1.191
	12	1.675	1.661	1.669	1.668	1.659	—	1.625	1.621	1.624	1.628	1.630	1.622
	13	1.645	1.648	1.661	—	1.673	1.666	1.662	1.676	1.671	1.709	1.744	1.766
	14	1.962	1.974	1.978	—	—	—	—	—	—	—	—	—
	15	—	—	—	—	2.092	2.086	2.080	2.086	2.093	2.101	2.108	2.118
	16	2.098	2.098	2.094	2.076	2.072	2.054	2.049	2.057	2.065	2.074	2.084	2.088
	17	2.060	2.052	2.036	2.022	1.990	1.977	1.974	1.974	1.977	1.982	1.994	1.999
	18	1.953	—	1.936	1.914	1.890	1.870	1.859	1.853	1.852	1.858	1.855	1.820
	19	1.635	1.682	1.628	1.630	1.610	1.600	1.598	1.617	1.623	1.640	1.660	1.680
	20	1.811	1.824	1.796	1.799	1.799	1.793	1.802	1.816	1.830	1.842	1.852	1.870
	21	1.966	1.966	1.967	—	—	—	—	—	—	—	—	—
	22	—	—	—	1.891	1.856	1.833	1.839	1.845	1.854	1.873	1.883	1.872
	23	1.994	1.990	1.988	1.988	1.982	1.966	1.969	1.973	1.990	1.988	1.977	1.981
	24	1.891	1.867	1.856	—	—	—	—	—	—	—	—	—
	25	—	—	—	1.574	1.544	1.497	1.460	1.418	1.373	1.348	1.386	1.402
	26	1.680	1.682	1.691	1.696	1.695	1.703	1.708	1.713	—	1.728	1.729	1.707
	27	1.580	1.574	1.557	1.529	1.497	1.476	1.456	1.452	1.447	1.429	1.420	1.398
	28	1.513	1.518	1.494	—	—	—	—	—	—	—	—	—
	29	—	—	—	1.804	1.806	1.814	1.824	1.853	1.864	1.894	1.894	—
	30	1.980	1.944	1.927	1.912	1.888	1.874	1.860	1.864	1.856	1.850	1.845	1.827
31	1.529	1.514	1.496	1.501	1.525	1.550	1.562	1.592	—	—	1.702	1.741	
Hourly Means	1.8675	1.8590	1.8548	1.8641	1.8607	1.8462	1.8305	1.8313	1.8258	1.8456	1.8447	1.8407	

^a Christmas Day.

BAROMETRIC PRESSURE.												
Barometer at 32° = 28 English Inches + the numbers in the Table.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
1.788	1.750	1.700	1.660	1.610	1.576	1.514	1.470	1.448	1.437	1.426	1.415	1.7112
—	—	—	—	—	—	—	—	—	—	—	—	1.3773
1.321	1.330	1.348	1.375	1.389	1.405	1.448	1.480	1.503	1.540	1.571	1.577	1.5077
1.482	1.454	1.446	1.439	1.442	1.481	1.477	1.487	1.490	1.485	1.475	1.507	1.7939
1.829	1.865	1.862	1.887	1.898	1.912	1.918	1.954	1.961	1.984	2.004	2.020	1.8120
1.812	1.792	1.769	1.751	1.712	1.685	1.661	1.638	1.615	1.610	1.642	1.668	1.8254
1.886	1.885	—	1.871	1.892	1.886	1.889	1.893	1.904	1.928	1.948	1.953	2.0557
2.096	2.101	2.098	2.097	2.095	2.093	2.103	2.117	2.131	2.156	2.175	2.200	2.1424
—	—	—	—	—	—	—	—	—	—	—	—	1.8421
2.169	2.153	2.133	2.115	2.101	2.084	2.074	2.058	2.046	2.041	2.049	2.058	1.6754
1.882	1.857	1.819	1.781	1.743	1.708	1.682	1.676	1.652	1.655	1.657	1.665	1.8006
1.700	1.700	1.716	1.691	1.697	1.697	1.701	1.705	1.713	1.739	1.753	1.777	1.4979
1.846	1.831	1.825	1.797	1.784	1.776	1.773	1.779	1.785	1.778	1.782	1.785	1.6421
1.449	1.443	1.412	1.394	1.365	1.338	1.328	1.354	1.366	1.383	1.403	1.422	1.8190
1.677	1.675	1.685	1.689	1.686	1.695	1.717	1.721	1.768	1.796	1.810	1.845	1.5919
—	—	—	—	—	—	—	—	—	—	—	—	1.4501
1.853	1.837	1.811	1.797	1.779	1.755	1.743	1.734	1.733	1.739	1.739	1.742	1.5330
1.590	1.581	1.554	1.537	1.523	1.518	1.508	1.513	1.513	1.521	1.521	1.532	1.5948
1.432	1.408	1.385	1.356	1.356	1.356	1.380	1.408	1.417	1.450	1.488	1.505	1.6306
1.556	1.549	1.533	1.518	1.501	1.494	1.508	1.510	1.514	1.532	1.555	1.584	1.9611
1.628	1.609	1.597	1.577	1.564	1.565	1.563	1.580	1.598	1.601	1.613	1.616	1.9603
1.626	1.626	1.623	1.620	1.624	1.631	1.641	1.637	1.648	1.673	1.695	1.721	1.7998
—	—	—	—	—	—	—	—	—	—	—	—	1.7084
2.035	2.017	2.009	1.996	1.975	—	1.965	1.974	1.983	1.995	2.007	2.030	1.6197
1.965	1.957	1.939	1.935	1.931	1.919	1.917	1.917	1.920	1.930	1.945	1.947	1.7895
1.790	1.767	1.735	1.707	1.694	1.693	1.690	1.684	1.678	1.686	1.685	1.692	1.7084
1.737	1.739	1.737	1.731	1.728	1.723	1.703	1.686	1.660	1.669	1.669	1.665	1.6197
1.611	1.602	1.586	1.589	1.597	1.587	1.585	1.577	1.595	1.623	1.617	1.646	1.7895
1.805	1.813	1.813	1.834	1.856	1.864	1.879	1.915	1.946	1.968	1.997	2.024	1.7244
1.7426	1.7336	1.7139	1.7098	1.7017	1.6851	1.6947	1.6987	1.7035	1.7168	1.7290	1.7438	2.2892
—	—	—	—	—	—	—	—	—	—	—	—	2.3251
2.361	2.353	2.332	2.314	2.299	2.291	2.291	2.294	2.308	2.314	2.329	2.342	2.2225
2.324	2.327	2.326	2.325	2.319	2.320	2.322	2.330	2.334	2.345	2.361	2.377	1.9229
2.259	2.232	—	2.170	2.111	2.087	2.075	2.075	2.069	2.079	2.081	2.081	1.8780
1.845	1.854	1.860	1.874	1.866	1.869	1.875	1.892	1.927	1.960	1.971	1.990	1.5763
1.897	1.885	1.880	1.874	1.832	1.793	1.758	1.734	1.710	1.677	1.638	1.627	1.7111
1.551	1.566	1.571	1.571	1.554	1.545	1.573	1.579	1.605	1.639	1.657	1.677	1.9421
—	—	—	—	—	—	—	—	—	—	—	—	1.8072
1.697	1.686	1.678	1.666	1.665	1.665	1.688	1.719	1.744	1.773	1.792	1.825	1.4514
2.015	2.005	1.997	1.991	1.969	1.963	1.950	1.942	1.933	1.937	1.959	1.959	1.6139
1.840	1.793	1.761	1.730	1.710	1.673	1.643	1.627	1.607	1.601	1.610	1.626	1.7594
1.192	1.232	1.366	1.414	1.466	1.502	1.526	1.552	1.569	1.604	1.631	1.658	2.0701
1.621	1.608	1.596	1.586	1.553	1.538	1.536	1.585	1.581	1.597	1.608	1.629	2.0554
1.780	1.786	1.793	1.803	1.791	1.799	1.807	1.818	1.851	1.886	1.904	1.927	1.9806
—	—	—	—	—	—	—	—	—	—	—	—	1.7892
2.130	2.119	2.110	2.091	2.073	2.043	2.043	2.045	2.046	2.066	2.074	2.095	1.6725
2.082	2.075	2.059	2.045	2.024	2.011	2.007	2.010	2.018	2.029	2.026	2.035	1.8475
1.987	1.982	1.971	1.961	1.957	1.955	1.951	1.937	1.937	1.946	1.954	1.960	1.8914
1.807	1.799	1.778	1.755	1.732	1.713	1.682	1.668	1.642	1.647	1.640	1.638	1.9325
1.186	1.694	1.683	1.699	1.700	1.698	1.696	1.700	1.718	1.743	1.781	1.799	1.5321
1.862	1.855	1.848	1.849	1.849	1.854	1.858	1.866	1.876	1.904	1.937	1.948	1.6564
—	—	—	—	—	—	—	—	—	—	—	—	1.4597
1.889	1.885	1.877	1.875	1.870	1.868	1.880	1.885	1.891	1.913	1.951	1.964	1.8599
1.960	1.934	1.920	1.907	1.883	1.865	1.852	1.843	1.831	1.841	1.878	1.881	1.7667
—	—	—	—	—	—	—	—	—	—	—	—	1.7258
1.418	1.402	1.424	1.456	1.461	1.489	1.509	1.539	1.561	1.601	1.627	1.668	1.8359
1.693	1.680	1.662	1.632	1.618	1.604	1.589	1.583	1.565	1.575	1.583	1.582	1.7667
1.404	1.410	1.416	1.416	1.416	1.404	1.410	1.424	1.446	1.479	1.494	1.500	1.8599
—	—	—	—	—	—	—	—	—	—	—	—	1.7667
1.942	1.946	1.959	1.959	1.956	1.959	1.952	1.948	1.962	1.965	1.981	1.981	1.7258
1.809	1.799	1.746	1.721	1.675	1.652	1.627	1.595	1.575	1.561	1.514	1.501	1.8359
1.757	1.777	1.804	1.831	1.859	1.865	1.873	1.874	1.876	1.883	1.921	1.935	—
1.8388	1.8340	1.8167	1.8275	1.8157	1.8087	1.8066	1.8102	1.8147	1.8294	1.8424	1.8540	—

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
JANUARY.	1	61.2	60.2	60.0	58.0	—	—	—	—	53.2	55.8	59.6	
	2	56.6	56.4	56.2	56.1	56.0	55.5	55.0	55.2	55.5	55.8	58.0	
	3	59.8	59.5	59.5	57.5	57.2	55.5	54.2	53.5	53.6	56.4	59.6	62.6
	4	58.0	57.5	57.8	58.2	58.5	58.3	57.3	57.3	57.5	58.5	60.5	62.8
	5	55.7	55.3	54.7	54.3	53.8	53.5	52.8	52.5	53.0	54.0	55.0	55.2
	6	56.4	55.8	55.5	—	—	—	—	—	—	—	—	—
	7	—	—	—	63.6	62.8	62.7	62.7	63.1	63.0	61.2	60.8	57.8
	8	53.4	52.6	51.2	50.6	49.6	49.5	49.4	48.4	48.0	49.0	51.8	55.2
	9	53.8	53.0	—	52.4	53.0	53.0	53.0	53.0	53.1	53.5	54.8	56.3
	10	58.5	57.8	57.2	56.8	56.6	56.6	57.0	57.2	—	57.5	57.5	57.4
	11	67.0	65.6	64.3	62.7	61.0	59.5	57.8	55.5	55.5	57.0	60.0	64.0
	12	60.6	60.2	60.0	60.0	60.0	59.8	58.8	58.0	57.8	59.6	63.0	66.0
	13	68.4	69.2	70.0	—	—	—	—	—	—	—	—	—
	14	—	—	—	51.2	—	50.4	49.5	48.2	48.8	51.0	53.2	54.5
	15	57.0	56.5	56.0	55.0	54.5	54.0	54.0	54.2	54.7	55.3	58.2	61.9
	16	60.3	59.0	57.8	56.8	56.2	55.5	55.0	54.9	54.2	—	56.4	58.8
	17	59.7	57.4	57.0	57.0	57.2	57.3	58.0	58.0	58.0	57.8	61.0	65.0
	18	66.0	62.0	60.2	58.0	56.5	54.5	53.1	51.7	51.3	52.4	54.9	56.9
	19	53.0	52.8	52.0	50.8	—	49.3	48.3	47.8	48.5	49.8	53.0	56.5
	20	54.8	54.8	55.1	—	—	—	—	—	—	—	—	—
	21	—	—	—	56.0	55.0	55.0	55.0	54.2	—	56.2	59.1	62.4
	22	70.7	69.3	68.3	67.8	66.5	65.5	65.0	64.0	63.2	63.2	63.3	63.3
	23	51.5	51.3	51.4	52.1	51.8	51.8	—	52.0	52.8	53.0	53.2	53.8
	24	55.0	55.0	55.5	55.5	55.5	55.6	56.0	56.2	56.7	57.3	58.8	60.7
	25	62.5	61.7	60.6	58.6	57.8	56.2	55.2	54.2	53.0	53.0	54.5	55.4
	26	55.7	55.2	55.2	55.0	54.5	53.8	53.5	53.2	53.5	54.0	55.5	58.0
	27	62.0	61.5	62.0	—	—	—	—	—	—	—	—	—
	28	—	—	—	54.9	54.1	53.2	52.7	52.0	51.4	53.0	56.5	60.8
	29	55.8	55.2	54.2	52.8	51.0	48.6	48.0	48.2	47.5	48.2	51.8	55.2
	30	54.0	53.0	51.5	50.6	49.8	50.0	49.4	48.8	48.5	49.8	53.8	58.3
	31	58.0	56.5	55.5	54.0	52.7	51.6	51.7	51.4	50.5	51.5	54.0	59.2
Hourly Means	58.72	57.94	57.64	56.16	55.90	54.85	54.50	54.33	53.73	54.66	56.78	59.90	
FEBRUARY.	1	64.2	62.8	61.3	60.6	59.5	59.5	59.2	59.0	58.4	59.0	62.0	65.0
	2	63.8	63.0	—	61.8	59.5	58.8	57.0	55.2	54.7	54.8	55.2	55.9
	3	54.0	53.2	52.5	—	—	—	—	—	—	—	—	—
	4	—	—	—	55.2	54.7	54.5	54.4	53.0	—	54.2	56.0	59.0
	5	57.2	56.4	55.0	54.0	53.8	52.8	52.2	52.0	51.7	53.3	57.0	61.0
	6	69.0	67.2	66.2	65.2	64.7	63.5	63.8	63.6	63.5	61.8	59.5	57.8
	7	52.6	51.8	51.4	51.6	51.4	50.5	50.0	49.8	49.0	49.8	52.8	57.0
	8	57.0	55.8	54.8	54.0	53.2	52.8	52.5	52.6	52.6	53.0	56.5	60.0
	9	55.5	55.5	55.2	55.0	54.8	54.9	55.0	55.0	54.8	55.2	57.0	59.5
	10	58.0	56.3	54.2	—	—	—	—	—	—	—	—	—
	11	—	—	—	57.0	57.0	56.0	54.8	53.8	52.7	53.5	56.3	61.3
	12	66.5	65.5	64.5	63.6	—	62.6	62.3	61.8	60.8	61.4	63.8	67.0
	13	68.2	67.7	67.6	66.8	66.0	66.0	66.5	66.8	66.5	66.0	67.5	70.0
	14	70.0	68.5	67.0	66.0	67.8	65.2	63.5	62.5	61.9	62.7	66.2	69.8
	15	67.0	65.5	64.0	63.2	62.0	62.3	60.8	60.5	60.0	60.5	64.5	69.5
	16	66.0	64.2	62.8	62.1	61.6	61.0	61.0	60.2	—	60.6	62.6	67.0
	17	73.5	71.2	70.0	—	—	—	—	—	—	—	—	—
	18	—	—	—	61.3	60.8	61.0	61.3	61.6	61.0	61.8	63.5	65.5
	19	60.0	59.8	59.2	58.5	—	—	—	—	54.0	53.0	53.0	53.2
	20	55.5	55.2	54.8	54.2	52.5	52.0	51.0	50.0	49.2	49.8	51.7	53.4
	21	48.5	46.8	47.0	46.5	47.3	46.5	46.6	46.4	45.5	45.5	47.6	51.2
	22	54.7	54.3	54.1	54.5	54.0	54.4	54.8	55.0	55.0	55.5	56.2	58.0
	23	58.2	57.5	56.6	56.0	55.8	55.5	55.0	54.5	54.1	54.4	55.5	57.8
	24	58.6	57.4	57.1	—	—	—	—	—	—	—	—	—
	25	—	—	—	57.0	57.0	56.4	55.5	55.5	55.8	55.5	57.0	60.0
	26	60.8	60.3	60.2	59.7	60.0	60.0	59.5	59.8	58.5	—	57.5	58.5
	27	57.2	56.5	56.0	55.5	55.4	55.6	55.3	54.7	53.8	54.8	55.5	60.4
	28	54.5	52.8	51.8	51.4	51.8	52.0	52.0	52.3	52.0	52.2	54.0	56.0
	29	58.0	57.0	56.8	56.2	56.2	56.0	56.0	56.0	55.7	55.7	56.5	58.2
Hourly Means	60.34	59.29	58.34	57.88	57.25	57.08	56.67	56.32	55.70	56.00	57.80	60.48	

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
63.0	63.8	66.0	68.2	68.9	67.6	67.6	66.3	63.4	59.3	57.2	56.3	61.87
59.8	62.2	64.0	66.3	68.5	70.4	70.8	70.2	67.2	63.5	61.2	60.3	60.74
65.2	68.7	69.2	68.8	69.1	69.6	70.5	70.5	69.3	63.3	60.2	58.2	62.15
65.8	63.0	64.0	68.5	70.0	68.2	63.8	61.0	59.8	59.0	58.8	57.2	60.89
56.7	57.0	57.5	58.6	60.0	60.0	60.2	58.4	57.5	57.5	57.2	56.6	56.12
—	—	—	—	—	—	—	—	—	—	—	—	—
57.2	58.2	58.2	58.4	58.7	59.5	59.5	59.5	56.6	56.2	55.7	54.3	59.06
58.5	58.5	60.2	61.8	62.2	61.8	60.2	62.5	62.5	59.0	56.2	55.2	55.30
58.2	60.8	63.8	66.2	67.8	—	68.8	69.5	70.5	66.2	63.0	59.6	59.24
57.8	58.8	61.3	62.2	63.2	64.8	68.6	71.6	72.8	73.8	71.2	68.5	61.94
66.2	66.3	67.8	68.5	68.8	69.2	67.5	66.0	64.8	62.0	61.6	61.2	63.32
69.4	73.3	77.4	78.2	79.8	81.5	82.0	81.5	79.8	76.2	74.2	69.7	68.58
—	—	—	—	—	—	—	—	—	—	—	—	—
56.5	57.8	59.4	59.0	60.8	60.5	60.5	60.3	63.4	61.5	60.5	58.2	57.95
65.2	67.5	68.5	70.5	70.8	72.5	73.8	75.2	75.0	71.0	65.0	62.0	62.85
62.5	65.2	67.0	70.5	72.9	71.0	69.5	68.5	69.2	67.0	64.6	61.8	62.37
68.8	71.5	76.0	77.0	75.8	75.5	74.8	73.2	74.4	74.0	72.6	69.8	66.12
58.7	60.5	61.2	61.2	64.5	63.5	59.0	59.3	60.2	57.8	55.2	54.0	58.02
58.5	57.8	60.3	62.0	62.3	62.5	62.8	62.0	62.9	60.3	57.8	55.7	55.94
—	—	—	—	—	—	—	—	—	—	—	—	—
65.2	69.0	72.3	76.4	80.2	81.0	81.2	80.5	79.8	79.3	76.5	72.3	66.58
64.8	68.0	66.0	64.8	61.5	59.1	57.3	56.4	55.2	54.1	53.2	52.2	62.61
54.8	56.7	57.8	58.3	58.2	58.6	59.2	60.2	59.8	58.5	56.6	55.5	55.17
61.0	62.2	63.8	66.0	67.5	67.5	67.0	68.2	67.2	66.2	64.8	63.2	60.93
57.2	59.0	60.8	62.5	63.2	63.2	64.6	62.9	63.7	61.2	58.2	56.4	58.98
60.8	64.8	66.2	69.0	71.7	72.3	71.5	69.3	71.0	68.0	66.0	63.0	61.28
—	—	—	—	—	—	—	—	—	—	—	—	—
60.5	63.7	64.2	66.3	68.5	71.0	69.7	67.5	66.2	63.1	59.0	57.6	60.48
58.4	60.0	61.5	64.3	65.8	66.0	66.4	67.0	66.0	61.5	57.5	55.0	56.91
62.0	64.5	67.0	70.8	70.8	70.0	70.0	69.8	67.8	64.7	61.0	59.5	58.97
63.7	67.7	71.2	73.8	75.7	76.2	76.8	78.2	77.5	73.3	69.0	66.0	63.15
61.35	63.20	64.91	66.60	67.67	67.81	67.54	67.24	66.80	64.35	62.01	59.97	60.47
68.5	71.3	73.8	76.0	77.9	77.8	75.5	74.5	70.5	68.2	65.8	64.5	66.45
55.5	56.0	58.2	58.7	59.6	58.2	59.5	61.0	59.7	57.9	56.2	54.8	58.04
—	—	—	—	—	—	—	—	—	—	—	—	—
61.3	62.7	64.6	68.2	70.0	71.8	71.6	70.0	66.1	63.3	61.4	59.3	60.48
64.2	69.0	72.2	76.0	76.5	77.5	75.5	80.4	80.5	77.0	73.5	68.0	64.45
59.3	61.3	62.8	64.0	66.6	65.5	66.6	68.7	66.2	61.8	58.0	54.2	63.37
58.2	61.2	62.5	65.8	66.5	67.5	65.8	65.0	63.5	63.0	60.2	58.2	57.30
63.0	64.8	62.8	62.2	62.5	65.0	63.2	61.0	62.0	59.8	57.0	56.0	58.09
61.8	64.2	66.3	67.8	68.3	69.1	69.8	71.3	70.2	66.1	62.3	60.2	60.99
—	—	—	—	—	—	—	—	—	—	—	—	—
65.6	68.6	71.4	75.6	78.9	81.0	83.5	84.6	80.0	73.0	69.8	67.2	65.42
70.0	73.7	78.2	80.2	79.5	78.5	75.3	77.9	78.2	74.2	71.6	69.2	69.84
74.0	77.5	81.2	85.8	89.0	91.0	90.6	89.0	86.4	83.2	77.5	71.5	75.09
74.0	78.5	79.7	83.2	85.2	82.8	81.2	80.5	78.2	73.5	69.8	68.2	71.91
74.5	78.2	82.8	86.5	90.3	92.6	87.7	79.3	75.2	71.3	67.3	66.5	71.33
73.8	77.8	82.7	86.7	89.3	90.8	91.5	91.2	89.8	85.5	81.8	77.7	74.25
—	—	—	—	—	—	—	—	—	—	—	—	—
67.8	70.0	72.2	73.5	73.2	73.3	72.1	73.2	70.6	67.4	63.2	60.5	67.06
53.9	54.4	54.8	55.6	56.0	56.8	57.5	57.0	57.0	57.0	56.0	55.6	56.11
54.8	56.5	54.0	52.5	55.0	58.7	56.0	55.0	52.0	52.5	50.0	49.0	53.15
53.0	56.5	58.0	59.5	61.8	62.2	65.2	66.3	66.7	60.9	58.0	56.0	53.73
60.7	62.8	64.9	69.2	68.8	66.8	68.0	68.2	65.8	64.2	61.4	59.5	60.03
60.7	63.0	64.0	65.0	67.7	69.9	68.8	69.0	68.2	65.8	63.0	60.0	60.67
—	—	—	—	—	—	—	—	—	—	—	—	—
63.3	65.2	68.5	70.8	71.5	70.4	68.9	65.4	63.6	62.2	61.7	61.2	61.48
59.5	61.0	63.8	67.0	66.8	64.5	68.5	69.8	68.5	64.0	60.5	58.4	61.05
63.7	64.2	65.5	65.8	63.2	64.0	65.0	62.7	61.5	58.5	56.2	55.0	59.00
60.8	64.0	66.6	67.5	67.5	65.8	66.4	67.8	66.2	65.0	60.4	59.2	58.75
61.0	62.5	66.2	70.2	71.0	71.0	70.0	69.8	69.2	66.5	64.5	62.8	61.80
63.32	65.80	67.91	70.13	71.30	71.70	71.35	71.14	69.43	66.47	63.48	61.31	62.88

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
MARCH.	1	62°0	61°2	60°5	59°8	58°7	57°8	57°6	56°5	55°5	55°5	57°0	60°8
	2	60°6	59°8	59°7	—	—	—	—	—	—	—	—	—
	3	—	—	—	47°0	47°0	46°8	47°0	47°0	46°6	46°3	48°9	51°5
	4	55°0	52°5	51°0	49°8	48°7	47°7	47°4	47°2	46°6	46°8	49°2	52°4
	5	64°8	64°0	63°8	63°2	62°7	61°7	61°4	61°5	61°8	62°5	63°5	66°5
	6	58°4	57°4	56°4	55°5	54°8	53°8	53°3	52°8	52°8	53°2	54°2	55°6
	7	57°5	57°2	57°0	56°5	57°2	57°2	56°8	56°7	56°6	57°2	59°4	64°0
	8	64°7	63°6	62°8	60°3	—	58°2	57°0	56°5	57°0	56°8	57°2	59°0
	9	57°5	56°4	56°8	—	—	—	—	—	—	—	—	—
	10	—	—	—	57°7	56°8	56°6	56°0	55°7	55°0	55°5	55°5	55°5
	11	52°7	51°8	50°5	49°8	49°0	48°2	47°7	47°3	45°5	45°5	47°6	50°6
	12	52°0	50°4	50°4	50°4	50°2	50°0	50°0	49°5	49°7	49°0	50°4	53°6
	13	52°5	52°0	51°5	50°5	50°1	49°2	48°2	47°5	46°0	45°5	46°6	49°5
	14	49°3	48°9	48°7	48°7	48°5	48°6	48°5	48°5	48°5	48°2	49°0	51°2
	15	51°6	51°2	50°8	49°5	49°0	49°0	48°5	48°0	47°7	47°8	—	51°4
	16	56°0	55°2	55°0	—	—	—	—	—	—	—	—	—
	17	—	—	—	61°0	60°6	61°0	61°4	61°2	61°5	61°5	61°2	64°0
	18	62°2	59°8	58°5	58°4	58°2	58°2	57°8	57°5	56°3	55°2	55°2	58°0
	19	61°4	60°6	60°0	59°0	57°6	56°6	55°6	54°7	54°5	54°2	55°5	57°5
	20	51°3	50°5	50°2	49°5	49°0	48°0	47°6	47°2	47°0	46°2	48°6	51°5
	21	56°2	55°0	54°0	53°2	53°0	52°3	51°7	49°5	49°2	47°2	47°8	49°0
	22	46°5	46°0	46°0	46°2	45°8	45°5	45°3	45°3	45°0	45°0	46°2	47°6
	23	51°2	51°3	51°7	—	—	—	—	—	—	—	—	—
	24	—	—	—	47°8	47°8	47°8	47°2	47°2	46°8	47°2	49°1	52°4
	25	52°5	52°5	52°5	52°2	51°9	51°6	51°0	50°3	49°0	48°2	48°5	50°5
	26	51°3	50°5	49°2	48°4	48°2	47°8	47°6	48°0	48°5	49°0	49°2	50°5
	27	54°5	54°0	—	53°8	53°8	52°5	53°8	55°0	56°0	56°5	56°3	56°2
	28	43°5	42°8	42°5	41°5	42°6	41°6	41°7	41°3	40°1	40°1	40°2	42°5
	29	44°5	44°0	44°2	44°2	44°5	44°5	44°2	44°8	46°1	48°7	51°2	53°3
	30	55°2	54°0	53°0	—	—	—	—	—	—	—	—	—
	31	—	—	—	45°2	45°5	46°0	46°5	46°5	46°2	47°0	48°0	49°7
Hourly Means	54°80	53°95	53°47	52°27	51°65	51°47	51°18	50°89	50°59	50°61	51°86	54°01	
APRIL.	1	46°5	46°0	46°0	45°5	45°2	45°0	45°0	44°6	44°0	44°2	44°4	44°9
	2	45°8	44°6	44°5	44°5	44°0	43°5	42°8	42°5	42°2	42°5	43°2	44°4
	3	48°0	47°0	—	46°2	44°0	42°5	42°0	41°2	40°5	40°3	40°6	40°2
	4	45°6	44°6	43°7	42°5	—	41°6	41°4	41°2	—	40°8	41°0	43°0
	5	53°0	52°2	51°6	49°4	49°2	48°5	48°0	47°2	46°3	45°2	45°8	47°6
	6	45°0	44°5	44°8	—	—	—	—	—	—	—	—	—
	7	—	—	—	45°3	44°8	44°4	42°8	41°8	41°2	40°5	40°0	43°0
	8	46°5	45°2	44°8	43°5	42°8	42°4	42°2	41°8	42°6	41°2	41°8	42°6
	9	49°6	48°0	47°5	47°5	47°4	47°0	46°6	46°2	46°0	46°0	46°0	49°0
	10	54°0	52°3	50°8	50°7	50°0	50°2	50°6	51°2	51°5	51°5	51°0	52°2
	11	57°0	55°2	54°0	52°4	51°0	49°2	48°0	47°0	46°7	46°7	46°7	49°3
	12	52°7	51°8	50°7	50°7	50°7	—	—	—	47°0	46°4	46°4	49°4
	13	49°0	48°2	48°0	—	—	—	—	—	—	—	—	—
	14	—	—	—	48°0	47°0	45°8	45°2	45°2	45°6	46°2	46°6	47°2
	15	47°0	47°0	46°8	46°0	45°3	44°2	44°1	44°6	—	44°5	45°0	45°8
	16	45°8	45°4	45°0	44°0	43°5	44°2	44°5	44°5	44°5	44°5	44°0	45°0
	17	48°2	48°2	47°8	46°8	46°0	45°5	45°5	45°5	45°6	44°8	44°8	47°0
	18	45°0	44°8	44°0	43°5	43°2	43°4	43°6	43°3	43°0	43°0	43°4	44°8
	19	46°6	46°0	45°5	45°7	45°5	45°5	46°0	46°0	46°2	46°2	47°0	49°0
	20	46°8	46°4	46°6	—	—	—	—	—	—	—	—	—
	21	—	—	—	—	47°8	47°9	47°8	47°7	47°8	47°6	48°0	48°8
	22	50°3	49°8	49°1	48°7	48°0	47°6	47°6	47°8	47°5	47°5	47°5	48°0
	23	45°0	44°8	44°6	45°2	45°0	44°8	44°0	43°0	43°2	42°4	42°2	43°6
	24	50°8	50°0	49°8	48°8	46°3	47°7	47°5	47°1	46°0	44°5	43°5	46°0
	25	48°2	48°4	48°5	48°6	48°2	49°7	49°7	49°8	49°6	49°4	49°6	51°2
	26	54°0	52°8	52°4	52°0	52°0	52°0	51°0	50°0	49°5	49°2	49°0	49°1
	27	45°2	45°0	44°5	—	—	—	—	—	—	—	—	—
	28	—	—	—	41°0	41°0	40°4	40°5	41°2	41°2	41°0	41°0	43°0
	29	50°0	49°8	49°5	49°0	49°0	48°5	47°4	44°8	45°1	43°7	42°7	45°6
	30	47°5	45°5	44°5	45°5	45°6	44°6	44°0	44°2	44°0	44°5	44°8	47°5
Hourly Means	48°58	47°83	47°40	46°84	46°50	45°84	45°51	45°18	45°28	44°78	44°85	46°43	

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
63.0	67.0	69.8	72.3	69.5	73.3	73.2	72.8	70.0	66.0	62.7	61.7	63.51
54.5	57.0	60.5	63.0	65.3	68.0	70.2	70.2	68.3	63.9	59.0	55.8	56.83
55.0	58.5	64.8	70.8	73.4	73.8	74.7	73.8	71.7	69.3	67.0	65.5	58.86
68.8	71.3	71.7	74.8	74.7	74.0	73.0	73.4	70.2	64.0	62.1	60.3	66.49
56.8	59.4	62.8	65.5	65.7	67.8	68.0	68.0	65.2	63.0	60.5	59.0	58.75
66.8	69.5	72.7	74.8	75.6	77.2	78.8	77.0	74.5	70.5	67.6	66.6	65.20
59.0	61.7	62.5	63.0	62.8	62.4	63.5	65.5	64.5	61.4	59.4	58.5	60.75
57.5	57.2	57.2	57.2	56.7	56.0	55.2	55.8	56.6	56.0	54.7	53.6	56.20
53.5	56.2	58.5	60.2	61.2	62.4	63.2	61.5	61.2	56.2	54.0	53.6	53.66
56.0	58.2	58.4	58.5	60.0	60.2	61.5	61.5	59.2	56.6	54.8	53.2	54.32
51.0	53.0	56.2	57.0	57.7	56.2	54.6	53.9	53.0	52.0	50.7	50.0	51.43
53.3	55.5	55.4	57.6	58.0	57.0	58.5	57.6	56.8	55.0	53.6	52.6	52.40
54.2	57.0	59.2	61.6	62.8	63.2	65.2	65.0	61.3	58.9	57.2	56.6	55.07
67.5	69.8	72.2	72.5	76.3	76.3	77.2	75.8	72.4	69.0	66.8	65.3	65.86
62.2	66.0	69.8	74.0	78.0	81.2	83.0	83.8	76.6	67.8	64.2	62.5	65.18
60.8	63.5	66.2	61.2	62.2	63.6	63.1	62.3	60.3	57.4	54.0	52.0	58.91
53.8	56.6	57.2	56.4	56.8	57.8	61.0	62.2	60.8	59.0	58.7	58.0	53.54
50.2	51.8	52.6	51.8	52.8	54.2	52.0	52.0	49.2	47.9	46.5	46.2	51.05
50.0	50.8	52.7	55.7	57.2	58.3	59.5	60.6	58.7	56.0	53.0	51.8	50.61
54.8	58.6	62.2	66.2	67.5	67.0	65.6	66.0	58.8	55.2	53.0	52.0	54.77
53.0	57.2	58.2	59.8	61.2	61.6	61.9	60.3	57.7	55.5	53.3	51.6	54.25
51.8	52.6	53.3	54.5	55.0	55.5	57.0	57.5	57.2	56.0	55.2	54.9	52.03
56.5	58.0	57.0	57.5	56.0	56.0	53.0	51.5	50.0	47.5	45.5	44.5	53.71
44.0	46.5	49.0	46.5	46.8	48.2	50.4	48.2	45.5	44.5	44.0	44.5	44.10
56.5	59.0	61.4	64.0	65.8	67.6	67.2	62.5	59.5	57.8	56.5	55.8	53.66
50.8	53.0	53.8	55.0	57.5	59.1	58.2	55.5	51.2	48.8	47.8	48.0	50.90
56.20	58.65	60.59	61.98	62.94	63.77	64.18	63.63	61.17	58.28	56.22	55.16	56.35
46.0	49.2	50.3	52.7	53.5	54.8	57.3	54.0	50.4	48.5	47.6	46.3	47.99
47.3	51.3	52.7	54.3	53.8	53.2	52.7	51.4	50.3	49.7	49.4	48.8	47.47
47.2	51.0	53.7	55.5	57.0	56.9	56.7	56.1	52.6	50.5	48.5	47.0	48.05
46.2	50.6	56.0	57.0	58.0	58.5	57.8	56.2	56.3	55.0	54.0	53.7	49.30
49.2	50.5	49.0	50.2	50.0	49.8	48.4	48.8	47.6	46.2	45.4	44.7	48.49
45.6	49.4	52.8	55.5	58.0	58.0	59.0	57.0	54.5	52.2	50.0	48.2	47.84
47.5	51.0	55.0	58.0	61.0	61.8	61.4	59.6	57.0	54.7	53.0	51.2	49.52
53.0	56.0	59.0	62.5	65.0	64.6	62.8	61.2	59.3	57.5	55.7	54.8	53.26
53.7	55.5	57.4	59.7	59.0	60.8	62.0	62.8	60.4	59.2	59.3	58.6	55.18
51.2	54.2	56.8	61.2	61.5	62.0	62.0	60.5	58.2	55.4	53.4	52.8	53.85
52.8	56.5	59.2	59.6	59.0	58.2	58.2	56.0	54.0	51.5	50.5	50.0	52.92
48.2	49.0	50.4	51.5	53.0	52.0	54.5	54.0	52.5	50.5	48.8	47.5	48.91
47.5	50.0	52.8	55.0	56.0	55.7	55.3	54.8	53.3	50.4	48.0	46.2	48.93
46.2	48.7	50.3	50.6	51.8	53.0	52.4	51.8	50.6	49.3	49.0	48.4	47.37
48.5	49.0	50.6	52.4	54.8	53.0	53.0	51.0	49.4	47.1	45.5	45.0	48.12
47.0	49.0	50.0	50.8	52.2	52.6	51.1	49.9	48.2	46.3	44.7	45.3	46.34
50.6	51.4	52.1	52.2	52.3	51.4	51.0	50.2	49.0	48.0	47.3	47.0	48.24
50.5	54.0	56.2	58.2	59.2	59.7	58.2	57.2	55.9	54.5	53.5	51.8	51.83
49.9	51.7	53.8	55.7	57.5	57.5	56.4	54.2	51.8	49.5	47.8	45.9	50.46
46.4	51.4	55.4	60.0	61.5	60.2	60.0	61.5	60.0	57.5	53.5	51.5	50.28
48.8	51.2	52.3	55.0	56.4	56.8	55.8	53.8	52.0	51.1	50.2	48.9	50.01
54.3	55.7	57.7	61.6	63.8	65.2	65.2	62.9	61.5	60.2	59.3	58.3	54.86
49.8	51.8	53.0	52.2	51.5	51.6	51.2	51.0	50.2	46.2	46.7	45.5	50.55
46.2	50.2	52.3	55.2	57.2	57.9	58.0	56.4	54.2	52.0	51.3	50.5	47.77
48.4	51.8	55.0	58.0	59.6	58.8	58.0	56.5	53.8	51.5	49.6	48.0	50.59
50.0	52.5	55.0	56.5	58.7	59.8	58.9	57.7	55.1	53.6	52.0	51.5	50.15
48.92	51.64	53.80	55.81	56.93	57.07	56.82	55.64	53.77	51.85	50.57	49.52	50.00

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
MAY.	1	51.2	50.7	50.2	49.9	—	50.6	51.2	51.6	52.0	52.6	53.5	
	2	53.0	52.2	52.0	52.0	52.5	51.5	50.0	49.2	48.7	47.3	46.8	
	3	49.0	48.2	48.5	48.0	47.7	47.2	46.3	45.8	—	43.8	42.8	45.0
	4	52.0	51.7	51.4	—	—	—	—	—	—	—	—	—
	5	—	—	—	53.8	53.5	53.0	52.0	50.0	49.3	48.2	47.5	48.2
	6	52.3	51.0	49.5	50.2	51.0	50.2	49.8	49.5	49.8	50.2	50.4	51.8
	7	55.6	55.3	55.5	55.5	55.4	55.5	55.8	56.0	56.2	56.2	56.0	56.0
	8	49.8	47.0	45.0	44.2	46.4	47.0	47.2	47.5	47.8	48.0	48.2	48.7
	9	53.0	52.5	52.0	52.0	51.8	50.3	49.4	48.7	50.0	49.6	48.9	49.0
	10	57.0	56.1	55.0	54.2	54.8	55.0	55.0	52.5	51.0	50.2	50.0	51.8
	11	52.0	52.8	52.8	—	—	—	—	—	—	—	—	—
	12	—	—	—	51.3	50.4	50.2	49.8	49.7	49.8	50.0	51.4	51.5
	13	51.6	51.6	51.3	50.6	49.8	49.3	48.8	48.3	47.0	46.5	46.0	46.2
	14	51.8	51.3	51.0	50.2	49.8	49.0	48.8	49.0	49.3	49.5	49.7	49.7
	15	53.0	53.2	53.5	54.2	54.1	53.8	54.2	54.0	53.8	53.8	52.8	52.5
	16	43.7	42.6	41.3	41.3	41.4	41.5	42.0	41.5	41.8	42.0	42.0	42.2
	17	45.0	44.2	43.3	42.2	41.2	41.0	40.5	41.0	40.4	40.2	40.2	39.8
	18	38.4	38.0	38.5	—	—	—	—	—	—	—	—	—
	19	—	—	—	50.2	49.8	49.8	49.3	49.2	49.5	49.7	50.0	50.0
	20	52.0	51.0	50.0	49.5	49.2	49.2	49.0	49.0	49.0	48.7	49.2	50.2
	21	48.4	48.5	48.2	48.0	48.1	48.3	46.7	46.9	—	46.0	46.0	47.2
	22	50.7	49.5	47.7	46.2	46.2	46.8	47.0	47.7	46.0	47.0	47.2	47.0
	23	48.0	47.2	46.8	45.7	44.0	43.8	43.2	42.5	41.5	40.8	40.2	40.7
	24	42.4	43.2	44.0	44.1	43.6	42.5	41.8	41.0	40.8	40.8	40.6	41.2
	25	43.2	42.2	43.5	—	—	—	—	—	—	—	—	—
	26	—	—	—	45.0	44.8	44.8	44.8	45.0	44.8	44.8	45.3	45.7
	27	44.8	43.8	43.2	42.5	41.7	40.7	40.1	39.2	38.2	37.7	37.0	37.7
	28	42.4	41.7	41.1	40.6	40.2	40.0	39.6	38.8	39.0	39.0	38.5	39.0
	29	41.2	41.2	41.0	41.0	41.5	41.7	42.0	42.0	43.3	44.1	44.8	46.1
	30	48.0	47.2	47.2	47.5	47.7	47.5	47.2	47.5	47.8	48.0	47.5	48.0
	31	48.5	48.5	49.1	49.0	—	50.3	50.5	51.0	52.0	52.5	53.0	52.8
Hourly Means	48.81	48.24	47.87	48.11	47.86	47.80	47.48	47.19	47.15	46.91	46.84	47.42	
JUNE.	1	51.8	50.2	49.0	—	—	—	—	—	—	—	—	
	2	—	—	—	52.7	52.2	51.5	51.3	52.0	51.8	51.8	51.5	52.0
	3	49.0	48.7	47.9	47.4	47.0	46.6	46.0	45.8	45.2	45.0	45.0	46.0
	4	50.3	50.2	49.8	49.5	49.8	50.0	50.8	52.0	52.3	51.8	52.3	52.7
	5	46.2	45.2	44.8	44.0	43.3	43.5	43.5	43.4	43.4	43.4	43.0	43.5
	6	45.3	45.2	45.8	46.2	47.0	47.0	47.5	48.8	49.0	50.0	50.5	49.2
	7	46.4	46.0	45.8	46.4	46.6	47.0	47.0	47.0	46.8	46.7	46.8	47.0
	8	54.0	54.0	53.8	—	—	—	—	—	—	—	—	—
	9	—	—	—	44.5	44.3	43.7	42.8	42.0	42.8	42.5	42.5	43.0
	10	45.8	44.8	43.5	43.4	42.0	40.0	39.7	38.7	38.2	37.6	37.5	38.4
	11	40.2	39.8	39.2	39.0	38.2	38.3	37.8	37.4	37.2	37.0	37.0	37.0
	12	43.3	43.1	42.7	42.5	42.0	42.0	42.0	42.2	42.0	42.0	42.0	42.0
	13	39.6	38.8	39.0	39.6	40.0	40.0	40.0	40.2	40.3	40.3	40.4	41.0
	14	38.5	38.0	38.0	38.0	37.5	36.7	36.3	35.5	—	—	36.2	35.8
	15	43.7	44.0	43.3	—	—	—	—	—	—	—	—	—
	16	—	—	—	41.0	40.2	38.5	38.5	39.5	39.7	39.7	39.7	39.2
	17	45.0	44.2	42.5	40.5	39.7	38.8	38.2	38.6	38.8	38.8	38.5	38.4
	18	44.5	44.2	44.4	44.9	43.7	42.5	41.6	40.5	39.2	38.5	38.0	38.0
	19	41.2	41.6	41.4	41.4	42.5	43.0	42.0	40.8	—	39.8	40.0	40.0
	20	35.0	34.7	34.3	34.4	34.6	34.5	34.2	34.0	34.0	34.3	34.7	36.3
	21	38.7	39.7	40.0	41.1	—	43.5	44.5	43.8	43.3	44.0	43.8	43.5
	22	47.0	47.2	48.0	—	—	—	—	—	—	—	—	—
	23	—	—	—	45.7	44.9	44.6	43.8	42.5	41.2	40.4	40.4	40.4
	24	38.5	38.2	37.0	37.0	37.0	37.2	37.2	36.5	36.5	36.8	36.0	39.0
	25	39.5	41.2	41.8	41.8	42.2	42.5	43.2	43.2	43.0	43.0	42.8	43.0
	26	49.0	49.0	48.2	47.5	47.0	46.8	46.2	45.5	44.8	44.0	42.4	41.9
	27	44.8	43.8	43.4	42.8	41.6	—	39.0	38.5	37.0	36.5	37.0	36.5
	28	38.2	37.6	37.5	37.5	38.0	37.5	37.0	36.5	36.7	37.0	37.2	37.6
	29	38.0	37.0	37.8	—	—	—	—	—	—	—	—	—
	30	—	—	—	39.4	39.2	39.0	39.0	39.0	39.2	39.2	39.0	38.5
Hourly Means	43.74	43.46	43.16	42.73	42.52	42.28	41.96	41.76	41.84	41.67	41.37	41.60	

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
54.6	58.5	60.8	61.0	61.4	61.8	60.8	58.5	57.2	56.0	55.0	54.0	55.00
51.4	55.0	57.6	60.0	62.0	61.3	61.0	59.0	55.5	53.5	51.0	49.2	53.35
46.8	49.3	52.8	55.3	56.8	57.9	57.5	57.5	55.8	54.1	53.6	52.7	50.54
—	—	—	—	—	—	—	—	—	—	—	—	53.17
49.8	52.3	55.0	55.8	58.5	60.0	58.0	57.0	56.0	55.0	54.2	53.8	54.54
53.5	55.2	58.8	60.8	61.0	61.8	61.2	60.6	59.5	58.2	56.8	55.8	57.55
58.2	62.2	64.3	65.2	64.8	62.4	61.6	59.0	56.0	54.5	52.6	51.3	51.11
49.4	51.4	53.5	56.0	58.0	59.0	58.4	57.4	55.5	54.5	53.8	53.0	53.74
50.2	52.0	54.5	56.0	58.0	60.1	59.7	59.4	58.9	58.5	58.0	57.2	55.93
54.4	57.6	61.0	63.5	63.5	65.4	62.8	58.4	55.8	54.0	52.2	51.2	52.41
—	—	—	—	—	—	—	—	—	—	—	—	50.72
52.5	53.2	54.5	55.3	55.3	54.8	55.2	55.3	54.7	52.7	51.5	51.2	52.02
47.3	48.7	50.2	51.8	53.2	53.5	53.5	53.3	53.0	52.2	52.0	52.0	51.19
51.2	52.0	53.5	54.9	55.5	55.5	56.2	56.0	54.8	53.7	53.2	53.0	45.14
52.2	52.0	52.0	50.5	50.3	50.7	49.9	48.2	46.7	44.7	44.2	44.2	40.38
44.1	45.0	47.8	49.2	51.2	52.8	52.2	50.5	47.5	47.0	46.6	46.1	50.98
39.8	40.0	38.5	38.6	40.0	39.5	39.2	40.0	39.0	38.5	37.5	39.5	52.07
—	—	—	—	—	—	—	—	—	—	—	—	51.20
50.0	52.0	54.0	56.5	58.0	57.8	57.0	56.0	55.8	55.8	54.8	53.4	49.70
52.2	54.0	55.8	57.8	59.0	58.5	57.5	55.8	53.5	52.0	49.0	48.5	45.85
49.4	51.5	54.5	56.0	57.6	58.0	58.7	56.7	54.9	53.6	52.5	51.8	45.51
48.6	49.6	52.8	55.9	56.3	54.5	53.2	52.0	51.2	50.5	50.0	49.2	45.63
43.0	44.8	47.4	49.5	51.5	53.0	53.0	51.0	48.3	46.4	45.0	43.2	42.82
43.3	46.5	48.8	51.5	53.0	53.8	53.5	51.2	48.5	46.5	45.2	44.5	42.36
—	—	—	—	—	—	—	—	—	—	—	—	46.12
45.8	46.5	47.2	48.2	48.0	47.5	47.2	47.0	46.6	45.8	45.5	46.0	49.67
40.0	42.2	44.5	46.0	47.4	48.5	48.4	47.6	46.0	44.2	43.5	42.8	52.87
42.6	44.0	44.4	46.1	47.2	47.2	48.2	46.0	44.2	43.2	42.5	41.2	50.15
48.3	50.5	50.8	50.7	51.2	52.0	51.0	49.8	48.8	48.0	48.0	48.0	46.12
49.8	51.0	51.8	53.0	53.4	54.0	54.6	52.9	51.3	50.4	49.7	49.2	49.67
52.9	54.2	54.8	55.3	56.8	58.0	57.2	56.0	54.8	53.8	52.7	52.3	52.87
48.94	50.78	52.65	54.09	55.14	55.53	55.06	53.78	52.21	51.01	50.02	49.42	50.15
—	—	—	—	—	—	—	—	—	—	—	—	53.82
53.5	54.0	57.2	60.0	61.3	61.2	61.2	58.6	56.2	51.7	49.6	49.3	48.79
46.3	48.5	50.9	52.3	53.5	52.7	52.3	51.8	51.0	50.8	50.6	50.6	52.38
54.8	57.0	59.5	60.2	56.8	56.0	55.8	52.0	50.2	49.5	47.5	46.4	45.95
45.0	46.8	48.0	49.0	49.5	50.7	50.7	49.4	48.0	47.0	46.1	45.3	49.02
49.0	50.4	54.0	54.5	53.5	52.8	51.4	49.6	48.0	47.5	47.2	47.0	49.55
47.3	48.5	49.8	52.0	52.5	53.8	54.8	55.0	54.8	54.4	53.8	53.0	47.32
—	—	—	—	—	—	—	—	—	—	—	—	43.72
44.7	48.2	50.4	51.3	51.5	51.8	51.2	49.8	48.0	46.0	46.6	46.3	41.22
41.2	45.0	47.2	49.5	50.8	50.0	49.5	49.0	46.7	45.2	43.5	42.0	44.26
38.5	41.2	42.5	45.2	47.2	47.0	46.9	46.3	45.1	44.1	43.7	43.5	42.26
43.5	47.0	48.4	48.8	49.8	50.0	48.5	47.2	45.8	43.5	41.3	40.7	40.61
41.7	43.2	44.8	46.4	48.0	48.5	49.0	47.2	44.2	42.0	40.6	39.4	41.71
37.8	39.5	41.7	44.5	46.2	47.4	47.2	46.5	44.6	42.4	42.3	42.8	43.00
—	—	—	—	—	—	—	—	—	—	—	—	42.38
39.2	40.3	41.8	42.5	43.5	44.5	44.0	44.0	43.2	42.9	43.2	45.0	40.38
39.2	41.5	44.5	46.0	47.2	48.2	49.5	50.0	49.1	—	46.5	45.3	36.44
39.0	40.2	42.3	43.7	47.2	47.6	45.6	44.5	42.5	41.8	41.3	41.4	44.71
41.2	42.8	41.8	42.0	41.2	39.8	40.4	38.4	37.8	37.2	36.2	36.2	42.80
35.6	38.2	38.2	39.5	40.3	40.7	40.3	39.3	37.2	36.4	36.6	37.2	39.61
44.2	45.0	45.5	47.8	48.0	48.5	48.5	48.0	46.8	46.5	47.0	46.6	45.10
—	—	—	—	—	—	—	—	—	—	—	—	46.31
41.5	41.8	43.0	44.0	43.8	43.0	42.8	41.5	41.0	40.0	39.8	39.0	41.63
40.2	41.4	43.0	45.5	44.0	43.0	42.2	41.4	41.0	41.0	40.2	40.8	38.83
42.8	45.0	46.5	48.6	49.5	50.2	49.0	48.8	48.5	48.8	48.8	48.8	40.29
43.0	45.0	47.0	48.5	48.5	49.2	48.2	47.5	46.0	45.8	45.2	45.2	43.89
37.8	39.8	42.8	44.4	46.3	47.0	46.8	45.8	44.2	42.2	40.4	39.2	—
38.2	39.5	41.0	41.8	43.0	43.5	43.0	41.5	39.8	38.0	37.0	37.3	—
—	—	—	—	—	—	—	—	—	—	—	—	—
39.8	41.2	42.2	43.7	44.8	45.0	44.8	43.8	41.3	39.8	38.5	37.7	—
42.60	44.40	46.16	47.67	48.31	48.48	48.44	47.08	45.64	44.35	43.74	43.44	43.89

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
JULY.	1	36°8	36°8	36°8	36°8	37°5	38°0	37°5	37°0	36°3	35°5	34°7	35°0
	2	48°0	48°0	48°0	48°0	47°8	47°3	47°6	47°8	47°8	47°6	47°5	47°5
	3	48°3	48°1	47°6	47°2	46°3	45°4	44°8	44°0	44°0	44°0	43°5	43°0
	4	41°4	40°4	40°2	—	39°7	39°3	—	38°0	38°1	37°7	37°5	36°8
	5	44°8	44°5	44°2	44°0	43°4	43°4	43°6	43°5	—	42°8	42°2	41°2
	6	38°7	38°7	38°5	—	—	—	—	—	—	—	—	—
	7	—	—	—	48°0	48°6	49°5	48°7	48°2	46°4	44°9	44°6	44°7
	8	41°7	41°8	41°4	41°2	41°3	41°5	41°2	42°2	42°5	42°5	42°0	42°0
	9	43°2	42°2	41°8	41°0	39°6	38°6	38°0	37°4	36°5	35°7	35°1	34°9
	10	44°0	44°4	43°8	43°5	43°5	43°5	44°0	44°0	44°3	44°0	44°0	43°7
	11	45°0	44°2	44°8	44°6	44°1	44°2	43°7	43°7	43°7	43°5	43°2	43°5
	12	44°6	44°7	45°7	46°1	45°8	45°3	44°8	44°8	—	44°8	44°8	44°8
	13	46°8	46°6	46°4	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	42°3	42°2	41°7	41°3	41°0	40°2	40°2	40°4
	15	41°0	39°7	38°7	38°3	38°8	39°0	39°3	39°0	39°0	38°0	37°2	37°0
	16	42°8	42°5	42°2	41°4	41°0	41°0	41°5	41°2	41°6	41°7	43°0	43°5
	17	45°0	44°8	44°5	44°2	43°7	43°7	43°7	43°8	43°8	43°8	43°5	42°8
	18	40°8	40°0	40°5	40°0	39°0	—	—	37°5	37°2	37°5	38°0	38°8
	19	37°5	37°0	36°8	37°0	37°0	37°0	36°5	36°5	35°8	35°7	36°3	36°6
	20	35°5	36°2	37°0	—	—	—	—	—	—	—	—	—
	21	—	—	—	36°6	36°0	35°5	35°0	34°2	—	33°8	33°8	35°0
	22	41°2	40°2	39°6	38°6	38°4	38°2	39°0	39°2	38°7	37°8	37°5	38°3
	23	39°8	39°0	38°0	38°0	38°0	37°8	38°0	37°9	38°0	38°5	38°0	39°4
	24	39°0	38°4	38°1	37°8	36°8	36°2	35°5	35°5	35°2	35°0	35°0	36°2
	25	44°0	44°0	43°5	43°8	44°2	44°4	45°0	45°0	45°2	44°5	43°0	43°0
	26	41°0	40°0	40°0	40°5	40°6	40°3	40°1	40°2	40°0	40°0	39°4	38°8
	27	39°6	38°7	38°2	—	—	—	—	—	—	—	—	—
	28	—	—	—	44°0	44°5	44°5	44°0	44°2	44°3	44°3	43°9	44°2
	29	41°2	40°0	41°0	41°5	42°0	42°3	42°3	42°1	42°0	42°0	42°0	42°2
	30	44°2	43°8	43°7	43°4	42°8	41°0	40°2	39°8	39°3	38°5	38°0	38°0
	31	38°2	37°5	36°8	35°8	35°5	35°0	34°8	34°2	33°8	33°4	33°0	32°3
Hourly Means	42°00	41°56	41°40	41°65	41°41	41°31	41°22	40°82	40°60	40°28	40°03	40°13	
AUGUST.	1	38°5	38°5	37°5	38°0	37°7	38°0	37°1	36°8	36°4	35°8	35°8	36°4
	2	41°7	41°3	40°4	39°8	38°5	37°4	37°0	36°2	36°0	35°5	36°0	35°6
	3	45°0	44°6	44°0	—	—	—	—	—	—	—	—	—
	4	—	—	—	46°1	45°7	43°8	43°1	42°5	41°8	41°2	40°2	40°6
	5	43°1	41°9	41°0	40°0	39°2	39°0	39°8	39°8	40°3	40°2	40°8	41°0
	6	43°8	43°6	43°8	43°2	43°0	42°2	42°5	42°2	42°0	42°2	42°3	42°8
	7	41°5	40°8	40°5	40°5	40°4	39°8	39°2	37°6	36°4	36°0	36°4	38°0
	8	42°5	42°8	42°8	42°6	42°3	42°2	42°0	41°5	41°3	41°0	41°0	41°0
	9	45°3	44°7	44°2	43°7	43°5	43°2	43°0	43°0	42°8	41°8	42°0	42°8
	10	44°0	43°0	42°8	—	—	—	—	—	—	—	—	—
	11	—	—	—	44°2	44°0	43°8	43°8	43°5	43°0	43°0	42°0	42°5
	12	44°2	43°8	43°5	43°4	44°0	44°0	43°0	43°2	43°5	43°3	43°3	43°3
	13	42°5	42°2	41°8	40°8	40°2	39°3	39°4	38°6	37°6	37°2	37°0	38°0
	14	43°2	43°7	43°3	43°3	—	44°2	44°9	46°5	46°5	45°0	44°5	46°0
	15	36°4	37°0	37°2	37°5	38°0	38°5	39°0	38°5	38°0	—	37°8	38°8
	16	41°0	40°2	39°0	38°5	39°0	39°6	39°5	39°2	38°4	37°4	36°5	38°4
	17	43°4	42°7	44°7	—	—	—	—	—	—	—	—	—
	18	—	—	—	44°0	43°8	44°0	44°0	44°0	44°8	44°9	44°1	44°4
	19	44°0	—	43°0	42°8	42°7	42°3	43°2	43°2	43°3	43°8	44°0	43°8
	20	45°4	45°1	44°5	43°4	42°2	41°6	41°8	41°4	41°8	41°8	41°2	43°0
	21	45°6	45°2	44°8	44°5	45°0	46°5	46°5	47°0	45°7	44°7	44°3	44°2
	22	41°8	41°0	40°8	40°2	40°4	40°4	40°8	40°5	40°5	40°8	40°8	42°8
	23	42°1	41°6	41°3	41°0	40°6	40°4	40°0	39°9	40°0	39°5	39°8	41°0
	24	45°8	45°8	45°2	—	—	—	—	—	—	—	—	—
	25	—	—	—	40°8	40°2	39°7	39°2	38°5	38°0	—	37°6	40°6
	26	46°7	45°2	44°0	43°3	43°0	42°6	41°4	40°5	39°3	39°0	39°0	40°5
	27	42°4	41°4	—	41°4	41°8	41°8	41°5	41°6	41°7	41°7	41°7	42°5
	28	44°5	44°2	44°2	43°2	41°8	41°2	40°4	39°8	39°2	39°6	40°0	42°4
	29	44°3	44°0	43°0	41°8	41°4	41°0	41°2	41°2	42°0	42°5	43°2	44°0
	30	42°4	42°4	42°4	42°2	42°8	42°2	42°0	42°0	41°5	40°8	41°2	41°4
Hourly Means	43°12	42°67	42°39	41°93	41°65	41°49	41°36	41°10	40°84	40°78	40°48	41°38	

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
36.8	39.6	42.2	43.8	45.0	46.0	47.0	48.2	48.3	48.3	48.0	47.5	40.81
48.5	49.7	51.5	52.0	52.3	52.9	52.4	51.6	50.6	49.8	49.2	48.6	49.25
44.2	46.5	48.3	49.5	50.4	50.8	50.5	49.0	47.5	46.2	44.6	43.2	46.54
37.6	39.8	41.8	43.2	44.0	46.5	46.0	45.0	44.1	43.3	42.5	43.2	41.19
40.8	41.4	41.8	42.0	40.6	42.1	41.0	40.6	39.5	38.8	39.0	38.2	41.89
—	—	—	—	—	—	—	—	—	—	—	—	—
44.7	46.6	47.0	47.9	47.5	47.8	47.1	45.5	43.8	42.7	42.2	41.8	45.17
44.5	47.0	48.7	50.2	51.2	51.2	50.5	49.4	47.6	45.5	44.4	43.5	44.77
35.3	36.8	38.4	40.8	43.4	42.6	44.2	45.0	44.5	44.5	43.6	44.2	40.30
43.8	44.5	47.2	47.5	50.5	51.0	51.0	50.8	49.5	48.0	47.0	45.4	45.95
44.0	44.2	44.6	44.8	45.7	46.7	46.8	46.6	46.2	45.3	45.2	44.7	44.71
46.3	47.5	48.2	49.2	48.8	49.2	48.5	47.0	47.8	47.5	47.2	47.2	46.59
—	—	—	—	—	—	—	—	—	—	—	—	—
40.6	41.8	43.2	44.8	46.0	46.9	45.8	45.5	44.5	43.4	43.0	41.4	43.30
38.3	40.0	42.8	45.3	45.5	46.4	46.4	44.8	44.2	43.5	43.2	43.1	41.19
44.6	45.8	48.0	49.6	49.0	48.0	48.0	47.8	46.5	45.7	45.2	44.9	44.44
44.8	47.5	48.8	49.8	50.2	49.8	49.7	48.0	46.6	44.4	44.0	41.9	45.53
40.8	42.8	44.2	45.2	45.5	45.9	46.2	45.0	42.6	41.0	39.3	38.3	41.19
38.2	40.5	42.0	41.7	41.0	41.2	42.2	39.0	37.5	36.8	36.0	35.2	37.96
—	—	—	—	—	—	—	—	—	—	—	—	—
38.0	40.0	40.7	42.0	43.5	45.0	44.8	44.5	43.6	43.0	42.3	42.2	39.05
40.5	42.3	45.0	46.8	48.0	48.8	48.0	46.0	45.3	44.2	42.5	40.8	41.87
42.0	44.8	46.2	47.2	46.7	45.1	44.7	43.7	42.3	40.8	40.0	39.2	40.96
38.3	41.0	43.3	45.2	46.2	46.2	45.2	44.3	44.2	44.1	44.1	44.0	40.20
45.8	48.0	49.0	44.8	50.8	50.8	50.0	48.4	46.0	43.8	41.8	42.0	45.45
40.8	43.5	45.0	47.2	48.6	49.4	49.7	48.8	46.3	43.2	41.5	40.5	42.72
—	—	—	—	—	—	—	—	—	—	—	—	—
45.6	48.0	49.3	50.8	51.2	51.8	51.0	50.0	48.0	46.5	44.0	43.0	45.57
43.5	45.2	47.0	47.7	48.6	49.5	49.6	49.0	45.9	45.8	45.2	44.6	44.26
40.7	43.3	45.0	46.5	47.7	48.5	48.0	47.0	44.8	42.2	40.0	38.7	42.71
35.2	38.2	41.2	43.2	45.0	47.0	47.2	46.5	44.2	41.6	39.5	38.6	38.65
41.64	43.57	45.20	46.25	47.14	47.67	47.46	46.59	45.26	44.07	43.11	42.44	43.11
38.5	41.0	44.3	48.2	51.0	51.7	51.9	50.2	47.7	45.0	43.2	42.2	41.72
36.8	38.2	40.6	42.8	45.3	47.4	47.6	47.8	47.2	46.4	46.1	45.8	41.14
—	—	—	—	—	—	—	—	—	—	—	—	—
42.2	45.3	47.8	50.5	53.0	53.7	53.5	52.0	49.9	48.5	47.0	45.0	46.13
42.0	44.8	48.0	49.5	49.8	49.4	48.8	47.8	46.5	46.0	45.5	44.7	43.45
45.2	45.8	45.8	47.2	49.0	49.8	48.0	45.8	44.8	44.0	42.6	41.8	44.31
40.2	42.5	44.5	45.0	45.9	47.0	47.2	45.7	44.5	43.4	43.0	42.8	41.62
42.5	43.5	46.0	47.0	48.2	48.2	48.4	47.9	47.0	46.0	45.5	45.2	44.10
44.3	46.8	49.2	50.5	51.0	52.0	50.2	49.2	48.5	47.2	46.0	45.0	45.83
—	—	—	—	—	—	—	—	—	—	—	—	—
44.3	47.0	48.6	51.5	51.8	51.8	50.4	49.4	48.0	46.6	45.3	44.8	45.80
44.2	46.2	48.0	50.8	51.5	49.8	49.0	48.8	46.8	46.0	44.5	43.5	45.48
40.0	43.2	46.0	48.3	49.8	50.2	49.7	49.5	47.4	46.0	45.5	44.6	43.12
44.3	43.5	42.2	40.8	38.8	38.2	38.5	38.8	37.0	36.2	36.2	36.2	41.82
39.9	41.5	43.5	45.4	46.4	47.0	47.5	56.5	46.0	44.2	43.5	42.0	41.31
41.0	43.0	45.8	47.5	48.9	48.8	48.7	47.9	46.6	45.5	44.7	44.3	42.47
—	—	—	—	—	—	—	—	—	—	—	—	—
45.6	46.2	48.2	48.4	48.0	49.0	50.5	50.2	48.5	47.2	45.8	45.2	45.90
43.8	44.8	49.4	52.2	52.9	53.2	51.8	51.5	50.2	48.4	47.0	45.3	46.37
44.2	46.0	48.2	48.4	49.8	51.5	51.8	51.4	49.8	48.0	—	46.0	45.58
44.3	46.0	47.3	48.5	50.0	51.0	51.5	49.0	46.2	44.7	43.6	42.6	46.20
43.8	45.3	47.2	47.8	48.8	49.2	48.9	47.7	45.5	43.8	42.6	42.4	43.49
43.3	46.7	47.2	47.5	46.8	46.4	46.4	47.3	47.6	47.0	46.0	45.9	43.55
—	—	—	—	—	—	—	—	—	—	—	—	—
43.3	46.2	49.5	51.7	52.8	53.3	53.7	52.5	50.3	49.2	48.2	47.2	45.62
42.5	45.2	48.2	50.5	52.2	53.5	53.8	51.4	49.2	47.0	45.4	43.8	45.30
44.0	46.4	49.0	52.0	53.2	53.0	52.8	51.8	52.5	47.8	46.6	45.5	45.83
46.0	48.5	51.8	54.8	56.2	56.0	54.1	54.5	51.5	49.8	48.2	47.0	46.61
44.8	47.5	48.7	50.5	52.0	49.4	47.5	45.6	45.0	44.2	43.2	42.8	44.62
43.8	46.0	48.0	49.8	50.3	51.2	51.8	51.4	49.8	47.0	45.0	44.0	45.06
42.88	44.89	47.04	48.73	49.75	50.07	49.77	48.91	47.46	45.97	44.81	44.06	44.33

STANDARD THERMOMETER.												
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20
Aug. 31	43°7	43°8	44°0	—	—	—	—	—	—	—	—	—
1	—	—	—	42°2	41°4	40°4	39°5	39°0	—	41°0	41°8	44°5
2	49°0	48°2	—	45°5	45°0	43°5	43°0	42°5	41°8	40°5	40°2	42°6
3	47°5	47°2	—	44°5	44°0	43°2	42°2	42°0	41°6	42°0	42°4	45°0
4	52°8	48°5	47°2	45°7	44°8	44°4	44°0	43°8	43°0	42°8	43°8	46°0
5	42°4	41°8	41°4	41°4	41°5	42°0	41°2	40°2	39°4	39°3	39°3	42°2
6	47°0	45°8	44°5	43°8	43°4	43°0	42°8	42°6	43°0	43°2	44°0	47°0
7	44°0	44°0	45°0	—	—	—	—	—	—	—	—	—
8	—	—	—	50°2	50°5	50°0	50°2	50°3	50°5	51°6	52°2	54°2
9	45°0	43°8	43°0	42°5	41°6	41°5	40°1	39°8	39°2	38°4	38°9	41°6
10	42°2	41°3	40°2	39°4	40°0	40°0	39°2	39°0	—	39°0	40°0	43°0
11	49°4	48°8	48°0	47°0	46°0	44°2	43°5	42°7	42°2	41°3	42°8	46°5
12	42°5	40°8	39°7	38°3	37°4	38°0	38°0	37°0	—	35°8	37°0	40°4
13	46°2	46°0	45°2	45°0	44°5	44°2	44°0	44°0	44°0	44°0	44°0	45°5
14	44°8	43°5	41°8	—	—	—	—	—	—	—	—	—
15	—	—	—	45°5	45°2	44°6	44°0	44°2	44°5	44°5	45°4	47°0
16	49°3	49°3	49°5	49°9	49°8	49°6	49°5	49°0	49°0	49°0	49°0	49°2
17	47°7	47°4	47°1	46°5	48°0	48°0	45°8	45°2	45°2	44°8	45°0	45°8
18	44°8	44°8	44°8	44°8	44°5	44°6	44°6	44°2	44°2	44°0	44°1	44°8
19	45°7	45°5	45°2	45°0	44°8	44°4	44°5	44°3	44°3	44°2	44°6	45°2
20	45°5	45°0	44°0	42°8	41°8	41°2	40°0	39°8	39°6	39°3	41°2	43°7
21	47°5	47°0	47°0	—	—	—	—	—	—	—	—	—
22	—	—	—	46°5	45°5	45°2	45°0	44°7	44°0	44°8	44°8	46°8
23	46°8	45°6	45°0	44°2	42°8	42°0	42°2	41°6	41°1	41°4	42°2	44°7
24	47°6	47°3	47°0	46°0	45°2	45°0	44°6	44°2	43°8	42°8	45°0	47°5
25	49°5	48°5	48°0	48°0	46°8	46°2	46°2	46°2	46°3	46°6	47°3	48°9
26	48°5	46°0	46°5	46°0	46°0	46°0	46°2	45°8	45°3	44°6	46°5	48°7
27	48°8	47°6	46°5	45°4	45°0	44°6	43°5	42°5	42°0	41°8	44°2	47°2
28	50°0	50°0	50°0	—	—	—	—	—	—	—	—	—
29	—	—	—	52°5	52°0	51°5	51°0	51°0	51°2	50°8	50°7	50°6
30	49°0	49°0	49°0	48°5	49°0	49°3	49°2	49°0	48°8	49°5	49°5	49°5
Hourly Means	46°82	46°02	45°40	45°27	44°87	44°48	44°00	43°64	44°09	43°35	44°07	46°08
OCTOBER.	1	45°5	45°0	45°4	44°8	44°0	43°5	43°2	42°7	42°2	42°5	44°2
	2	45°0	44°5	44°5	43°5	43°5	42°5	42°5	42°0	41°8	41°6	42°6
	3	44°4	43°7	42°7	41°9	42°0	41°8	40°6	40°0	40°0	39°5	43°0
	4	48°5	48°0	48°0	47°2	—	45°5	44°2	43°0	41°8	42°0	43°9
	5	45°2	45°2	45°0	—	—	—	—	—	—	—	—
	6	—	—	—	46°6	46°8	47°0	46°0	45°0	44°0	44°6	47°5
	7	56°3	55°4	54°3	54°0	53°9	—	52°2	51°8	50°5	50°5	52°5
	8	52°6	52°5	52°2	51°0	50°2	49°5	49°5	48°0	48°7	48°3	51°0
	9	56°0	54°0	54°0	53°0	50°7	50°2	49°4	49°6	48°8	48°2	48°5
	10	49°7	49°3	48°1	47°5	47°5	47°5	45°6	44°5	43°6	44°0	46°0
	11	49°5	49°5	49°0	48°2	48°0	47°8	47°5	47°7	47°3	47°1	49°0
	12	49°3	49°1	48°6	—	—	—	—	—	—	—	—
	13	—	—	—	46°4	44°0	44°0	43°0	42°6	42°5	42°2	45°5
	14	50°8	50°8	49°5	47°8	47°0	46°4	45°7	45°0	44°5	45°0	47°5
	15	49°9	49°4	48°0	48°0	48°2	—	47°5	46°7	45°8	47°8	50°2
	16	53°6	53°5	52°2	50°8	50°8	50°5	50°0	49°5	49°2	49°5	49°8
	17	49°8	49°0	48°0	47°0	46°4	46°0	45°8	45°3	45°6	46°8	47°8
	18	48°8	48°0	47°2	46°5	46°5	46°7	46°5	46°3	46°8	47°5	48°5
	19	60°3	59°6	57°1	—	—	—	—	—	—	—	—
	20	—	—	—	53°0	52°2	52°0	51°0	50°2	49°9	50°6	52°7
	21	47°3	46°8	47°3	48°2	48°4	49°6	50°6	51°0	51°5	52°0	52°7
	22	59°7	60°5	58°7	59°3	59°8	61°0	60°5	56°6	54°0	53°5	54°6
	23	57°0	56°0	55°6	53°2	53°0	51°8	50°6	49°7	49°0	49°5	53°0
	24	49°3	47°8	46°5	46°0	46°0	45°4	45°0	44°8	44°2	45°5	48°5
	25	50°5	49°2	47°7	47°0	—	44°5	43°6	43°4	42°5	43°2	44°2
	26	38°0	38°5	38°5	—	—	—	—	—	—	—	—
	27	—	—	—	48°1	47°8	47°8	47°5	47°6	48°2	48°5	50°5
	28	53°2	51°7	50°5	49°6	49°5	49°4	48°5	49°5	49°8	53°4	57°0
	29	50°2	49°3	48°6	47°4	47°0	46°8	45°8	45°8	45°7	45°5	48°5
	30	46°5	45°6	45°0	44°2	43°6	43°1	42°6	42°3	42°6	43°8	47°6
	31	49°3	48°0	46°7	46°0	46°0	45°4	44°5	44°5	45°2	46°8	50°6
Hourly Means	50°23	49°63	48°85	48°38	48°11	47°43	47°02	46°58	46°14	46°63	48°73	51°39

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
—	—	—	—	—	—	—	—	—	—	—	—	—
47.5	50.2	52.7	54.3	56.5	57.8	56.8	55.4	53.2	51.8	50.4	49.8	47.73
45.6	49.2	52.2	54.2	56.0	57.2	57.5	55.8	53.0	50.5	49.0	48.0	48.26
48.5	51.0	54.0	56.0	57.8	59.5	59.3	58.0	56.2	54.6	53.5	52.9	49.69
47.7	47.8	51.2	51.6	50.8	50.4	51.4	50.2	47.4	45.2	44.0	43.0	46.98
44.5	47.6	50.2	53.0	54.5	55.0	56.2	55.5	53.2	49.5	47.5	47.5	46.09
50.4	53.0	56.5	55.8	52.8	53.0	54.2	52.2	49.8	47.5	46.0	45.0	47.76
—	—	—	—	—	—	—	—	—	—	—	—	—
55.8	56.2	57.0	59.0	60.2	59.0	59.0	56.0	52.5	50.4	49.0	47.0	52.24
44.2	47.5	49.0	51.6	52.6	52.7	51.2	50.5	49.5	47.4	44.7	42.8	44.96
47.7	52.8	55.6	59.7	60.1	61.8	60.2	58.9	57.0	54.9	52.6	50.2	48.47
48.8	50.8	52.8	51.0	51.2	51.2	50.0	50.5	49.0	47.7	45.7	44.1	47.30
44.2	47.8	50.3	52.8	52.7	53.8	54.4	52.0	49.2	47.6	46.9	46.4	44.48
47.7	48.4	52.2	51.4	51.4	52.0	52.2	51.4	49.8	48.5	47.3	45.9	47.20
—	—	—	—	—	—	—	—	—	—	—	—	—
48.8	51.0	51.8	53.0	55.0	56.4	56.2	54.4	52.5	51.2	50.2	49.7	48.55
49.4	49.7	49.8	50.2	50.2	50.5	49.8	49.6	50.0	48.8	48.4	48.0	49.44
46.0	46.2	46.7	47.0	47.8	48.2	48.0	47.2	46.4	45.8	45.0	45.0	46.49
45.0	45.5	46.0	47.1	47.6	48.5	48.4	48.2	47.5	46.8	46.5	46.0	45.72
46.5	47.5	48.5	48.5	49.2	50.0	49.5	50.0	48.5	49.0	46.8	46.0	46.57
47.2	48.5	50.2	51.8	52.8	53.0	54.0	51.0	50.0	49.0	48.0	48.0	46.14
—	—	—	—	—	—	—	—	—	—	—	—	—
50.0	51.2	51.0	51.8	51.5	51.5	52.8	52.5	51.5	50.0	48.0	47.2	48.24
48.0	51.2	52.8	54.3	54.8	53.4	53.2	52.0	50.8	49.3	48.6	48.2	47.34
48.8	51.8	54.0	57.0	59.2	59.2	59.0	57.0	53.0	51.0	49.0	49.0	49.75
50.9	52.5	55.2	57.0	57.8	59.8	59.4	59.0	56.0	53.8	51.8	49.8	51.31
50.5	53.0	55.5	57.0	58.6	58.3	58.3	57.3	55.5	53.6	51.4	50.2	50.64
50.5	54.0	56.8	58.6	58.0	59.0	60.0	58.0	56.0	54.0	52.0	51.0	50.29
—	—	—	—	—	—	—	—	—	—	—	—	—
50.4	51.0	51.0	51.4	51.5	51.5	51.0	50.5	50.0	50.0	50.0	50.0	50.82
49.5	48.3	48.0	47.6	47.8	47.3	47.6	47.4	46.7	46.6	45.8	45.8	48.24
48.23	50.14	51.88	53.18	53.78	54.23	54.22	53.10	51.32	49.79	48.39	47.56	48.11
—	—	—	—	—	—	—	—	—	—	—	—	—
44.8	47.4	48.5	48.5	48.5	49.8	50.5	49.5	48.5	47.4	46.0	45.5	45.84
46.0	47.8	49.8	51.2	51.8	52.5	53.4	53.6	51.2	49.0	47.3	45.7	46.56
47.5	49.2	53.5	56.7	58.0	58.0	58.5	55.0	54.0	51.0	49.0	49.0	47.73
49.7	52.2	52.5	51.2	51.8	50.8	50.5	49.2	47.8	47.0	46.0	45.2	47.51
—	—	—	—	—	—	—	—	—	—	—	—	—
53.3	56.2	59.2	62.2	63.4	64.9	67.2	67.2	63.9	60.8	58.6	57.2	53.65
57.3	61.6	65.0	66.8	68.5	69.0	69.5	70.0	68.0	68.0	55.2	53.8	59.00
55.4	57.8	60.0	62.0	64.8	67.0	—	68.0	66.0	63.0	60.0	58.0	56.03
56.5	59.2	60.2	59.8	60.2	58.4	54.7	54.0	52.7	51.3	50.4	50.2	53.45
51.3	53.7	56.8	58.2	58.5	58.2	58.2	56.5	52.5	51.2	50.2	50.0	50.71
52.8	55.8	58.5	60.5	61.2	61.4	60.8	59.5	55.2	52.5	50.9	50.0	52.54
—	—	—	—	—	—	—	—	—	—	—	—	—
51.8	54.3	57.8	58.4	59.5	60.5	60.0	59.5	56.0	53.5	51.8	51.0	50.85
52.5	55.0	58.0	60.8	64.0	64.0	60.7	60.0	56.2	53.3	51.8	51.2	52.39
56.0	57.5	59.0	60.2	61.8	62.2	61.6	60.5	57.5	54.7	53.8	53.7	53.63
53.3	56.5	60.0	62.4	62.2	63.6	64.5	60.1	58.0	55.0	52.5	50.8	54.56
52.5	55.2	57.5	58.4	59.5	61.2	61.0	57.2	55.4	52.7	50.2	49.3	51.52
55.5	60.0	63.6	66.0	69.5	70.7	71.4	71.8	69.6	66.8	63.7	61.9	56.72
—	—	—	—	—	—	—	—	—	—	—	—	—
55.0	53.5	53.0	50.6	50.8	50.8	50.6	51.0	50.5	49.8	48.8	47.5	52.30
56.2	60.0	64.0	66.5	69.8	70.7	70.9	70.3	69.2	66.3	62.7	60.3	57.77
57.2	58.8	61.1	62.9	64.0	65.4	65.4	64.0	62.0	60.4	58.0	57.0	59.58
62.0	61.8	62.6	62.8	62.8	62.3	62.0	62.0	58.5	54.8	52.4	50.9	56.38
53.8	54.7	55.5	57.0	58.2	60.3	61.7	62.2	59.5	55.3	53.3	52.0	51.90
46.5	46.2	47.8	46.0	46.8	46.5	49.8	—	43.0	40.2	40.0	38.8	45.12
—	—	—	—	—	—	—	—	—	—	—	—	—
55.5	57.0	58.0	64.5	66.3	66.4	67.8	67.7	65.7	60.8	57.3	55.0	53.98
63.8	67.4	68.7	69.8	70.2	69.8	68.5	64.5	60.0	56.2	53.3	51.3	57.75
52.8	54.0	55.8	53.4	56.8	57.7	58.4	58.3	57.7	53.8	50.0	48.0	51.24
53.3	56.2	59.0	61.5	63.6	62.3	64.0	64.4	64.6	58.7	54.3	51.5	52.13
56.8	59.7	61.3	62.5	63.2	61.4	60.6	61.0	60.0	58.5	54.8	52.2	53.31
53.67	55.88	58.03	59.29	60.08	60.96	60.85	60.65	57.90	55.26	52.68	51.37	52.75

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
NOVEMBER.	°	°	°	°	°	°	°	°	°	°	°	°	
	1	51.5	51.2	50.0	49.0	47.2	45.0	43.5	42.8	—	—	46.3	50.0
	2	54.5	54.0	53.5	—	—	—	—	—	—	—	—	—
	3	—	—	—	49.8	49.8	49.2	49.0	48.8	48.6	48.6	49.0	49.2
	4	50.6	50.0	49.8	49.5	49.5	50.0	50.0	50.0	51.0	52.3	54.7	58.9
	5	50.0	48.5	47.0	45.0	47.0	51.8	51.7	51.2	45.4	42.6	44.4	46.8
	6	48.3	46.9	46.4	46.3	46.0	45.8	45.4	45.5	—	46.8	47.5	51.0
	7	54.2	51.0	51.0	50.2	49.0	49.0	48.0	47.0	—	47.2	48.0	49.0
	8	46.0	45.5	45.0	44.5	44.0	43.7	43.8	44.0	43.6	44.2	47.2	48.5
	9	48.6	47.3	45.6	—	—	—	—	—	—	—	—	—
	10	—	—	—	44.0	43.8	42.0	41.5	41.5	42.5	44.7	48.8	52.2
	11	50.0	49.0	48.5	46.0	45.8	45.3	44.8	44.7	—	47.0	51.2	55.6
	12	64.3	63.6	62.7	62.1	61.2	60.4	58.8	58.6	57.0	58.5	60.8	62.3
	13	55.7	53.7	51.8	51.0	52.0	51.8	51.0	52.0	54.2	55.5	56.0	58.2
	14	53.0	53.0	51.5	50.7	51.0	51.6	51.6	51.7	51.6	51.4	51.4	51.8
	15	52.3	51.6	49.7	48.4	—	47.6	45.4	44.6	45.5	47.3	48.0	48.7
	16	47.0	46.5	46.5	—	—	—	—	—	—	—	—	—
	17	—	—	—	50.7	50.4	50.3	50.1	50.1	50.0	50.0	50.6	51.6
	18	51.2	50.8	50.5	50.3	50.2	50.0	50.2	49.8	49.8	50.7	51.5	53.0
	19	53.8	53.2	51.8	50.2	50.0	49.5	49.0	49.0	48.6	48.9	53.5	56.2
	20	49.0	48.5	47.4	46.2	45.5	44.2	43.3	42.3	42.6	44.4	47.8	51.2
	21	52.5	51.2	50.4	49.6	—	49.4	49.0	49.2	49.2	49.3	50.3	53.0
	22	50.5	50.5	50.5	50.0	50.0	50.0	49.4	49.2	—	52.2	53.5	54.5
	23	52.5	52.0	51.9	—	—	—	—	—	—	—	—	—
	24	—	—	—	48.2	47.4	46.6	46.2	45.4	45.5	48.5	51.2	—
	25	54.0	53.8	54.0	54.2	—	53.6	52.2	51.4	52.2	55.2	58.4	62.2
	26	56.0	56.0	56.0	55.0	53.6	52.7	52.3	51.4	53.6	54.6	58.8	62.8
	27	63.2	61.5	59.8	58.3	58.4	58.6	58.4	57.5	57.3	59.0	60.8	63.2
	28	53.6	54.0	53.2	52.8	53.0	53.0	52.5	52.0	51.8	53.8	55.1	55.5
29	44.0	44.0	42.5	41.5	40.8	41.4	42.5	42.6	41.5	42.5	43.8	47.0	
Hourly Means	52.25	51.49	50.68	49.74	49.35	49.30	48.78	48.49	49.07	49.80	51.54	53.85	
DECEMBER.	Nov. 30	44.2	44.3	43.5	—	—	—	—	—	—	—	—	
	1	—	—	—	46.2	45.0	44.0	43.6	43.6	43.8	45.0	49.7	53.7
	2	53.0	53.3	53.4	53.5	52.6	51.6	50.5	49.7	—	53.0	57.0	60.2
	3	54.4	54.2	53.9	53.7	54.0	53.8	53.8	53.8	54.5	55.3	58.4	61.3
	4	58.0	56.8	55.8	55.8	57.0	58.0	58.0	59.0	59.7	60.4	63.3	67.2
	5	54.0	53.0	53.0	53.0	53.3	53.0	52.6	51.9	52.2	52.8	55.2	58.4
	6	65.0	64.3	63.1	62.8	—	62.6	62.4	63.8	62.2	62.0	64.7	66.8
	7	58.6	57.2	55.6	—	—	—	—	—	—	—	—	—
	8	—	—	—	53.0	53.6	53.5	53.6	53.6	53.8	54.4	58.2	60.6
	9	56.8	56.1	55.6	54.2	53.0	49.2	48.4	47.4	48.6	50.0	53.2	56.2
	10	57.0	56.0	55.4	54.4	53.5	53.0	53.0	52.0	51.2	54.0	56.6	60.8
	11	62.0	61.0	60.0	60.4	60.5	60.6	60.3	60.2	60.4	60.6	61.6	63.8
	12	57.6	55.2	54.6	53.3	52.2	—	49.5	48.6	48.8	52.4	56.0	59.8
	13	53.6	53.0	52.0	—	49.0	48.5	48.5	48.5	49.1	51.2	53.8	55.5
	14	53.0	52.0	52.0	—	—	—	—	—	—	—	—	—
	15	—	—	—	—	51.0	51.0	51.2	51.0	50.7	51.2	52.2	53.0
	16	51.5	51.8	52.2	52.6	52.5	52.5	52.0	52.5	50.9	51.8	54.2	57.2
	17	57.0	55.0	53.5	52.5	51.9	51.2	50.5	49.4	52.0	53.4	57.0	61.2
	18	59.3	—	57.0	56.8	56.2	55.8	54.6	54.2	54.5	57.5	60.8	65.7
	19	65.2	66.0	64.0	65.3	63.6	62.4	61.3	60.0	61.8	64.0	66.0	68.0
	20	56.0	55.4	54.2	54.0	53.6	52.9	52.0	50.9	52.4	53.0	55.8	58.4
	21	54.0	53.6	53.5	—	—	—	—	—	—	—	—	—
	22	—	—	—	57.0	54.5	54.0	54.2	54.5	56.2	57.8	—	62.8
	23	55.5	55.0	54.8	54.4	54.3	54.0	53.7	52.8	52.0	54.2	57.6	61.2
	24	59.8	59.3	58.3	—	—	—	—	—	—	—	—	—
	25	—	—	—	61.5	61.0	59.8	59.0	59.0	60.2	64.6	70.2	72.1
	26	63.0	62.0	60.5	59.0	57.4	56.0	55.1	54.3	—	56.6	59.6	63.2
	27	58.5	58.3	58.3	53.3	58.4	57.6	57.2	57.0	57.8	58.5	60.0	63.0
	28	54.4	52.0	49.8	—	—	—	—	—	—	—	—	—
	29	—	—	—	50.4	50.4	50.3	50.0	50.0	49.4	50.8	53.5	—
	30	55.2	54.2	52.7	52.7	53.8	53.0	52.4	52.6	54.2	56.5	59.0	61.8
	31	65.4	63.0	60.6	59.8	59.0	58.0	57.5	57.0	—	—	60.3	62.4
Hourly Means	57.00	56.08	55.28	55.61	54.45	54.25	53.65	53.36	53.76	55.24	58.16	61.37	

* Christmas Day.

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
56.0	59.2	62.2	64.2	66.3	67.3	65.2	63.4	61.2	57.8	55.8	54.8	54.99
50.2	55.6	58.9	60.0	61.5	60.5	58.2	58.8	61.4	57.5	54.2	51.8	53.86
61.8	63.5	66.3	67.8	69.1	69.0	60.0	54.0	53.0	51.8	51.2	51.3	55.63
49.8	51.8	53.2	55.2	56.8	57.4	58.7	60.0	57.7	54.4	51.5	49.5	51.14
55.2	57.0	59.0	60.0	61.2	62.6	61.2	65.5	64.5	59.6	56.0	53.5	53.53
52.0	50.8	—	54.4	53.0	55.0	53.0	54.0	54.0	49.0	47.8	46.4	50.59
48.8	51.1	54.2	56.2	58.3	57.0	55.2	55.0	54.7	52.7	50.2	49.0	49.27
55.2	58.0	60.3	62.8	64.0	66.0	66.5	66.5	65.1	60.0	56.0	53.0	53.16
61.0	65.2	69.8	72.5	74.1	77.4	79.5	79.8	77.7	73.0	69.9	66.4	60.62
66.0	64.0	66.5	66.7	65.6	69.4	68.8	69.2	66.4	61.7	58.8	57.0	62.93
60.2	60.7	62.2	64.8	66.0	65.5	63.0	61.5	60.0	59.0	54.0	54.0	57.24
52.5	52.8	54.0	55.5	56.9	58.9	59.2	58.2	50.6	54.8	54.4	53.4	53.65
50.5	53.0	54.0	55.0	55.8	55.5	56.2	54.5	51.0	49.2	47.0	47.2	50.35
52.7	53.2	54.8	55.0	56.3	56.9	56.0	55.3	54.3	53.3	52.3	51.5	51.89
55.5	56.0	58.0	60.0	60.0	59.2	57.0	55.8	56.0	55.8	55.5	54.6	53.81
61.0	63.2	64.3	66.2	66.0	64.0	59.0	52.0	50.0	52.0	51.0	51.0	54.72
54.5	55.7	56.8	60.2	63.9	63.7	62.8	60.8	58.9	57.3	55.7	53.5	52.34
55.0	56.0	58.0	58.0	58.8	56.4	55.4	58.5	51.8	51.8	51.5	50.6	52.82
55.0	55.2	56.8	59.4	59.0	57.0	56.0	55.5	54.0	54.0	53.0	53.5	53.42
57.0	63.0	65.5	68.0	67.6	—	65.3	64.3	61.3	58.2	55.5	54.2	55.24
63.3	64.2	65.7	65.7	65.0	65.0	66.0	65.0	64.0	60.5	58.0	56.0	59.11
67.0	71.4	75.3	75.2	73.4	69.7	70.1	70.4	70.9	70.2	68.3	65.8	62.94
65.5	66.0	65.5	62.7	63.4	60.5	59.4	57.6	56.4	55.2	55.0	54.0	59.88
57.0	58.2	61.4	60.6	61.0	61.0	60.0	59.0	56.5	50.6	48.5	47.0	55.05
49.0	50.4	51.0	49.0	49.2	46.5	48.5	48.0	51.0	49.1	46.4	44.8	45.71
56.47	58.21	60.57	61.40	62.09	61.72	60.81	60.10	58.74	56.34	54.30	52.95	54.56
56.0	57.5	59.8	61.8	63.5	64.0	64.0	62.0	60.0	56.0	54.5	53.0	52.45
62.3	64.4	65.3	64.8	63.2	61.5	63.0	62.7	60.0	56.8	55.5	54.7	57.48
64.5	68.0	69.6	72.0	72.4	72.5	73.2	73.4	67.5	67.4	60.0	58.6	61.67
71.5	73.2	72.6	71.6	74.5	70.0	66.0	64.0	62.0	59.0	57.0	55.0	62.73
63.0	67.0	69.0	68.0	65.7	63.8	66.7	67.6	68.1	67.7	66.7	64.8	60.02
68.0	69.0	71.5	73.5	73.4	75.4	77.2	76.4	75.6	70.0	65.2	61.0	67.65
62.0	64.5	66.4	67.6	70.0	68.8	64.7	63.3	62.2	60.2	58.8	57.8	59.67
58.5	61.0	62.5	64.5	66.6	67.5	68.0	68.2	67.6	63.2	61.0	59.0	58.18
63.5	67.5	68.8	70.8	71.5	76.0	72.0	73.0	73.5	69.0	65.0	63.0	62.10
67.7	69.8	69.0	69.8	68.8	69.4	71.0	71.2	71.0	67.2	63.9	60.1	64.60
63.0	65.0	65.0	66.0	69.0	66.5	67.6	61.5	58.0	57.0	55.3	54.3	58.09
57.2	59.5	58.4	58.4	61.2	63.0	64.0	64.0	57.0	54.0	54.0	52.5	55.04
54.0	57.0	59.0	61.0	63.2	64.0	64.8	63.6	62.2	57.2	54.8	53.0	55.74
60.3	61.8	63.3	65.2	66.0	68.0	68.0	67.0	67.0	63.0	59.0	58.0	58.26
63.7	66.0	68.8	70.2	70.7	70.2	69.8	69.3	68.8	64.7	62.9	60.7	60.43
69.4	72.2	74.6	74.8	73.7	73.7	74.0	71.9	69.3	69.0	68.0	66.3	64.75
67.6	68.8	68.0	69.2	70.2	70.0	73.0	72.0	70.0	65.0	61.0	57.8	65.84
61.5	63.2	64.8	66.8	67.6	66.4	65.7	66.3	65.8	61.3	58.3	55.4	58.82
64.8	64.2	64.8	66.2	68.0	68.0	68.0	64.0	60.0	58.0	57.0	56.0	59.61
63.8	65.3	67.3	68.8	69.2	69.9	70.9	71.3	70.3	66.3	62.8	60.4	61.07
71.2	71.2	73.8	79.5	83.3	83.0	82.0	83.0	80.0	75.0	70.0	65.5	69.26
66.8	68.6	70.0	70.5	71.3	70.7	69.2	67.4	66.2	61.9	59.8	58.7	62.95
64.0	62.5	64.2	65.2	64.4	64.6	64.6	67.0	67.4	64.2	59.5	57.0	61.15
58.8	61.2	64.0	64.5	66.3	64.0	62.5	62.7	64.0	60.3	57.4	55.3	56.61
65.0	66.0	71.0	74.0	74.0	71.5	70.2	70.0	70.0	69.0	67.0	66.0	62.16
64.3	67.2	70.0	72.0	74.0	74.0	75.0	76.0	75.5	70.5	68.0	64.0	66.07
63.56	65.45	66.98	68.33	69.30	69.09	69.04	68.42	66.88	63.57	60.86	58.77	60.86

WET THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
JANUARY.	1	52.4	52.4	52.8	48.0	—	—	—	—	47.2	49.3	50.8	
	2	51.4	51.2	51.3	51.3	50.7	50.4	50.7	50.9	51.4	51.4	53.2	
	3	55.7	56.0	55.8	54.5	53.6	52.2	52.0	51.8	52.7	55.3	56.4	58.4
	4	54.2	54.0	54.8	55.0	55.5	55.1	54.3	54.4	54.9	56.0	56.7	57.7
	5	54.0	53.6	53.6	53.7	52.7	52.5	51.5	51.5	52.0	52.0	54.2	52.2
	6	51.2	50.7	51.0	—	—	—	—	—	—	—	—	—
	7	—	—	—	a—	60.8	61.3	61.3	61.4	60.7	59.7	58.3	55.9
	8	50.5	50.2	47.5	47.2	46.8	46.2	46.4	45.5	45.2	47.8	50.2	51.8
	9	51.0	50.5	—	50.7	51.8	51.2	51.6	50.2	51.3	51.5	52.2	52.5
	10	52.4	52.6	52.2	52.4	52.2	52.5	52.8	52.7	—	56.0	55.3	55.7
	11	60.2	58.6	57.4	56.7	56.8	55.4	53.9	53.3	55.0	55.8	57.0	60.4
	12	57.5	57.3	57.5	57.5	57.8	57.2	56.8	56.0	56.5	58.3	60.1	61.3
	13	63.9	64.2	64.0	—	—	—	—	—	—	—	—	—
	14	—	—	—	47.7	—	46.5	46.2	45.4	46.0	48.4	49.2	50.0
	15	50.6	50.5	50.2	49.8	50.3	50.0	49.7	50.7	51.0	52.2	54.4	54.2
	16	51.5	51.2	50.2	50.2	50.2	49.3	49.7	49.7	48.5	—	52.4	52.7
	17	55.3	54.3	54.2	53.6	52.3	51.9	53.5	54.3	53.8	54.0	56.8	59.6
	18	55.5	53.0	52.1	49.4	47.6	46.8	46.5	46.3	46.0	47.3	49.3	49.5
	19	47.9	47.2	46.4	45.6	—	45.3	44.6	44.4	45.4	46.8	48.8	50.3
	20	49.7	50.5	50.5	—	—	—	—	—	—	—	—	—
	21	—	—	—	52.0	52.0	52.0	51.8	51.4	—	52.8	54.1	54.7
	22	58.6	57.7	57.7	57.6	57.2	56.8	56.8	56.2	56.4	57.0	57.4	59.0
	23	50.0	50.6	50.4	50.0	49.0	48.7	—	49.4	49.4	49.4	49.8	50.1
	24	54.7	54.7	55.3	55.3	55.2	55.4	55.8	56.2	56.7	57.3	58.4	59.5
	25	60.8	59.2	57.8	55.6	54.6	53.3	50.3	50.2	48.6	49.2	50.2	50.8
	26	50.5	50.7	51.4	51.3	51.3	51.3	51.3	51.3	51.2	52.0	53.2	53.4
	27	59.0	58.2	58.6	—	—	—	—	—	—	—	—	—
	28	—	—	—	47.0	47.0	46.0	46.2	45.0	47.4	47.4	49.7	51.9
	29	46.8	47.3	46.1	45.4	44.1	42.5	44.0	43.7	43.2	45.0	47.2	49.2
	30	49.5	49.1	48.4	47.5	47.8	47.8	47.2	46.8	46.8	49.0	51.6	53.8
	31	52.6	52.0	52.6	51.8	50.3	49.7	50.3	49.6	49.0	50.3	52.2	55.7
Hourly Means	53.61	53.24	53.07	51.42	51.98	51.05	51.01	50.70	50.80	51.89	53.21	54.23	
FEBRUARY.	1	58.3	57.4	56.7	56.4	56.5	56.5	55.7	55.4	54.4	55.4	57.0	58.0
	2	60.3	59.3	—	58.7	56.1	55.8	54.0	53.8	53.3	52.5	51.8	52.7
	3	48.0	47.8	46.8	—	—	—	—	—	—	—	—	—
	4	—	—	—	49.7	50.2	50.9	49.5	48.5	—	51.2	52.0	54.0
	5	54.0	53.5	52.3	52.5	52.2	50.8	51.2	50.6	50.0	52.0	54.3	56.5
	6	57.0	57.2	57.0	56.2	55.5	54.6	55.2	55.0	55.7	55.7	53.9	53.7
	7	46.5	46.3	46.5	46.5	46.7	46.3	45.9	45.5	45.4	46.0	49.0	50.2
	8	49.6	48.4	48.0	48.4	48.0	48.0	48.3	48.5	48.6	49.5	52.6	54.6
	9	50.4	50.2	50.6	50.4	50.4	50.6	50.7	51.0	50.7	51.0	52.5	53.6
	10	52.3	51.3	50.3	—	—	—	—	—	—	—	—	—
	11	—	—	—	52.6	52.0	51.4	50.4	50.0	49.7	51.3	52.6	55.5
	12	60.0	60.0	59.2	57.6	—	57.0	56.7	56.2	55.7	56.8	58.3	59.5
	13	62.3	62.4	62.6	61.8	61.0	60.4	60.4	60.4	59.8	60.0	60.0	60.6
	14	63.3	62.5	61.7	61.7	61.6	61.0	59.0	58.6	57.7	58.4	60.0	62.2
	15	62.4	61.2	60.2	60.0	58.6	57.8	57.7	57.3	56.5	57.5	60.5	62.7
	16	62.0	60.3	59.7	59.3	58.7	58.5	58.3	57.0	—	57.4	58.8	61.2
	17	63.5	60.2	58.4	—	—	—	—	—	—	—	—	—
	18	—	—	—	57.8	58.0	58.0	58.8	59.0	56.7	56.5	56.8	57.5
	19	53.2	52.2	51.7	51.8	—	—	—	—	51.2	51.4	51.2	52.0
	20	51.8	51.8	51.3	50.5	49.2	49.2	49.0	47.8	47.6	48.6	49.8	49.6
	21	45.8	44.8	44.8	45.0	43.5	43.3	43.2	42.5	42.5	44.3	45.0	46.2
	22	48.2	48.5	49.0	49.2	48.8	50.2	49.9	50.5	50.8	51.4	52.2	53.8
	23	50.7	50.7	50.3	49.7	50.0	50.2	49.8	49.0	49.3	50.0	50.7	52.2
	24	51.3	51.0	50.9	—	—	—	—	—	—	—	—	—
	25	—	—	—	54.4	52.7	52.1	51.7	51.7	51.8	51.4	53.8	55.2
	26	58.3	56.6	56.4	56.3	56.0	55.4	55.2	55.4	55.3	—	52.7	52.2
	27	49.4	49.0	49.0	49.0	49.2	49.3	49.5	48.4	47.3	48.5	49.7	53.5
	28	47.6	47.3	46.9	47.3	45.7	46.2	46.4	47.3	46.2	47.0	48.8	50.8
	29	52.6	50.5	50.5	50.7	51.0	50.8	51.2	50.8	50.7	51.2	52.2	52.7
Hourly Means	54.35	53.62	52.95	53.34	52.68	52.68	52.40	52.09	51.60	52.29	53.59	54.83	

* Bulb dry.

WET THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
51.9	52.5	54.0	55.5	56.7	55.7	54.0	54.8	53.4	51.7	50.7	50.6	52.34
54.2	55.1	56.1	57.8	58.9	59.6	59.3	58.7	57.7	56.2	56.0	55.5	54.22
60.4	60.6	60.0	58.9	60.3	60.4	60.2	60.8	58.5	56.4	55.0	54.6	56.69
59.4	57.3	59.5	60.3	59.6	59.4	55.4	55.8	54.8	54.8	55.0	54.6	56.19
53.3	52.5	52.3	52.9	53.9	54.1	54.9	52.9	52.8	53.4	52.9	52.0	52.97
—	—	—	—	—	—	—	—	—	—	—	—	—
55.9	57.1	57.4	56.9	57.5	57.7	57.7	57.6	54.6	53.6	52.5	51.0	56.60
52.2	54.2	55.5	56.0	56.2	55.4	55.4	55.9	54.8	53.0	51.4	51.4	51.11
53.6	54.8	56.1	56.7	57.4	—	58.6	59.4	59.6	56.4	54.4	53.7	53.87
56.6	57.8	59.3	59.7	61.3	62.6	64.3	65.8	67.8	66.5	64.8	62.4	58.07
61.4	60.7	61.3	61.3	61.3	61.3	58.9	58.6	57.9	56.8	58.3	57.3	58.17
58.3	64.5	65.5	67.1	67.1	68.0	68.0	67.8	66.5	66.4	65.3	63.9	61.76
—	—	—	—	—	—	—	—	—	—	—	—	—
50.9	51.5	52.4	52.9	53.3	54.7	54.0	53.9	55.1	53.5	52.4	51.1	52.49
56.0	56.7	55.7	58.5	57.8	58.0	57.8	59.8	59.4	55.8	53.6	52.4	53.96
54.0	55.5	55.4	57.5	58.3	58.3	58.7	59.8	59.8	60.0	57.8	56.6	54.23
61.2	61.7	61.7	61.6	61.7	61.5	60.2	59.6	59.3	58.6	58.7	58.2	57.40
49.6	52.3	52.7	54.2	52.8	54.8	50.2	52.9	51.4	47.2	47.4	47.4	50.08
50.3	49.7	52.7	52.6	52.0	52.7	53.2	52.6	51.5	51.7	50.6	50.3	49.24
—	—	—	—	—	—	—	—	—	—	—	—	—
55.9	57.7	59.5	61.5	62.2	64.2	64.8	64.2	64.6	62.8	59.6	58.5	56.39
60.0	62.1	59.4	58.4	57.6	55.8	55.7	54.4	53.7	52.8	52.2	50.6	56.71
50.7	52.4	52.1	52.5	52.2	53.9	54.7	55.1	54.7	54.3	54.6	54.5	51.67
59.7	60.8	61.7	62.4	63.0	63.0	63.6	64.8	63.0	62.9	61.9	61.0	59.26
51.9	53.5	55.3	55.7	57.0	55.7	56.4	55.4	55.0	53.3	51.8	51.8	53.89
56.5	58.9	59.1	62.2	63.2	62.4	61.8	61.0	61.8	60.6	59.6	59.0	56.42
—	—	—	—	—	—	—	—	—	—	—	—	—
51.9	53.0	53.3	54.1	54.8	55.8	55.2	51.2	53.9	50.4	48.8	48.2	51.42
50.0	50.1	51.8	53.4	54.9	54.9	55.3	55.7	55.7	52.3	50.9	50.0	49.15
55.8	56.9	57.8	60.3	60.4	59.0	58.2	59.2	58.7	56.3	55.7	55.0	53.27
57.7	59.8	59.9	61.2	64.3	63.7	64.0	64.4	64.7	62.4	60.6	59.0	56.57
—	—	—	—	—	—	—	—	—	—	—	—	—
55.16	56.29	56.44	57.86	58.36	58.56	58.17	58.23	57.80	56.30	55.28	54.47	54.58
—	—	—	—	—	—	—	—	—	—	—	—	—
59.6	61.7	60.9	63.6	63.3	62.3	61.9	61.7	59.7	59.1	58.8	58.9	58.72
51.7	51.5	52.3	51.7	53.2	51.8	53.8	54.0	51.2	50.5	48.8	48.4	53.36
—	—	—	—	—	—	—	—	—	—	—	—	—
55.0	55.2	56.8	58.5	58.1	58.9	61.6	60.0	58.5	57.3	56.4	55.2	53.92
58.0	59.6	61.2	62.1	64.8	65.5	68.4	66.0	62.4	60.6	59.7	57.4	57.32
54.2	54.1	54.4	55.7	55.6	55.4	53.3	56.5	54.5	52.2	48.8	47.2	54.52
51.5	53.4	54.3	55.3	54.8	56.0	55.1	55.5	51.9	52.1	51.2	49.8	50.07
55.8	57.0	56.2	56.1	57.8	57.0	55.4	53.0	53.6	51.8	50.7	50.3	51.97
54.4	55.9	57.1	58.4	58.3	58.7	59.0	59.6	58.6	56.7	55.2	53.8	54.07
—	—	—	—	—	—	—	—	—	—	—	—	—
57.2	57.4	60.5	62.1	62.9	64.0	64.4	65.0	65.4	63.2	62.4	60.4	56.85
61.3	63.1	65.5	65.2	66.4	65.3	65.3	65.9	66.0	63.4	63.5	62.7	61.33
63.1	63.3	65.7	66.9	68.9	68.4	70.5	69.3	68.7	66.3	65.1	64.0	63.83
64.5	65.2	65.7	66.8	68.5	67.2	67.8	67.0	66.8	65.0	63.2	63.0	63.27
64.8	65.5	65.3	66.1	67.7	67.4	66.3	65.3	65.2	64.2	62.7	62.7	62.32
63.8	62.3	64.4	65.2	64.3	65.1	65.5	65.7	65.1	64.0	64.0	64.3	61.95
—	—	—	—	—	—	—	—	—	—	—	—	—
58.2	59.0	59.2	59.4	59.3	57.4	57.6	57.0	56.6	54.0	51.8	51.8	57.60
51.7	52.1	53.2	53.4	51.2	53.5	53.5	52.7	52.8	51.8	50.9	51.2	52.13
50.7	51.5	49.4	48.0	51.2	50.6	49.6	48.4	46.4	47.8	45.9	44.9	49.44
47.0	49.0	50.0	51.3	51.8	51.5	53.8	54.4	53.4	50.2	48.8	48.6	47.53
55.5	57.4	58.0	57.2	56.2	54.7	55.8	55.9	54.1	54.3	51.8	50.8	52.63
53.7	54.8	56.0	56.0	57.7	59.5	57.5	59.0	56.8	55.6	53.0	51.6	53.07
—	—	—	—	—	—	—	—	—	—	—	—	—
57.6	57.4	59.5	59.7	60.3	59.9	59.5	58.8	59.5	59.2	58.8	58.3	55.69
51.9	52.2	53.9	55.3	54.1	54.5	56.0	56.7	55.5	53.3	52.0	50.5	54.60
53.8	54.0	53.8	53.2	52.6	52.0	52.4	52.7	49.8	48.8	48.6	47.6	50.46
58.3	54.6	54.9	56.1	54.8	54.6	55.7	55.9	54.3	53.5	51.0	51.0	50.72
54.7	55.3	56.5	59.4	59.5	58.2	57.8	58.0	57.6	56.4	54.7	54.3	54.05
—	—	—	—	—	—	—	—	—	—	—	—	—
56.12	56.90	57.79	58.51	58.93	58.78	59.10	58.96	57.78	56.45	55.11	54.35	55.13

WET THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
MARCH.	1	55.4	54.2	54.0	53.8	53.2	52.6	52.7	51.7	51.5	51.8	52.7	55.5
	2	52.7	52.2	52.0	—	—	—	—	—	—	—	—	—
	3	—	—	—	43.4	43.8	43.8	43.6	43.2	43.2	43.2	46.3	46.8
	4	48.6	47.5	46.0	45.8	45.3	44.3	44.3	44.4	44.3	44.5	46.4	48.7
	5	57.4	57.2	57.5	56.3	55.3	55.3	55.2	55.3	55.8	55.8	56.4	58.2
	6	49.7	48.5	47.8	48.0	46.8	46.7	46.5	46.2	46.2	46.7	48.0	49.7
	7	49.8	49.8	49.8	50.0	50.7	50.9	50.7	51.0	51.3	52.0	52.7	56.9
	8	57.2	56.6	56.4	56.5	—	55.4	55.1	54.9	55.4	54.8	55.4	56.2
	9	55.5	55.4	55.6	—	—	—	—	—	—	—	—	—
	10	—	—	—	a	55.3	55.7	54.6	54.7	54.5	54.9	54.5	55.3
	11	48.8	47.5	46.6	46.3	45.7	45.0	44.7	44.5	44.5	44.0	46.6	48.2
	12	48.3	47.9	46.9	46.5	46.8	46.2	46.8	46.2	47.3	46.2	47.6	49.0
	13	48.6	48.6	48.2	47.6	46.3	44.8	43.5	42.6	41.7	42.5	44.7	46.5
	14	44.8	44.7	45.0	45.2	45.1	45.1	45.3	45.4	45.4	46.0	47.0	48.6
	15	46.5	46.3	46.2	45.0	44.8	43.8	44.0	43.6	43.7	44.1	—	46.9
	16	50.0	49.8	50.0	—	—	—	—	—	—	—	—	—
	17	—	—	—	56.4	56.5	56.5	56.0	55.7	55.8	55.8	55.8	57.9
	18	58.5	57.5	56.0	57.1	57.0	57.0	56.2	55.7	54.4	53.2	54.3	56.8
	19	59.4	58.6	58.0	56.2	55.6	55.3	54.3	53.4	53.8	54.2	55.5	57.0
	20	46.3	45.6	45.2	44.3	43.7	42.3	41.7	41.7	41.8	42.2	44.6	46.3
	21	48.0	47.0	45.2	45.3	44.5	44.7	43.2	42.8	42.7	42.2	43.0	43.6
	22	42.4	42.4	42.0	42.2	42.2	42.3	42.2	42.0	41.7	41.9	43.7	44.9
	23	47.7	47.6	47.4	—	—	—	—	—	—	—	—	—
	24	—	—	—	47.3	47.0	46.5	46.2	46.0	45.5	45.6	48.7	50.6
	25	51.0	51.2	51.2	51.2	50.7	50.7	50.3	49.0	48.5	48.2	48.5	49.3
	26	48.7	48.7	46.7	46.4	45.7	44.9	44.9	45.1	45.4	46.0	46.2	47.2
	27	49.6	49.4	—	49.5	49.4	49.6	50.2	51.2	51.2	51.2	51.0	52.7
	28	39.8	39.4	39.4	38.6	38.7	38.7	39.0	38.6	38.5	38.5	39.0	40.7
	29	40.7	40.7	41.5	42.5	42.5	42.5	42.6	43.0	44.7	47.2	49.2	50.7
	30	53.5	52.0	51.5	—	—	—	—	—	—	—	—	—
	31	—	—	—	43.6	43.5	43.0	43.5	43.0	43.7	44.7	45.7	46.2
Hourly Means	49.96	49.47	49.04	48.20	47.84	47.83	47.59	47.34	47.37	47.59	48.94	50.40	
APRIL.	1	42.0	43.5	43.0	43.0	42.5	42.7	42.5	41.7	42.0	42.2	42.4	42.6
	2	42.0	41.5	41.7	41.7	41.6	41.0	40.8	41.0	41.0	40.5	41.6	43.4
	3	46.4	45.5	—	45.4	42.4	41.0	40.8	40.2	39.0	39.7	40.3	40.4
	4	43.7	42.6	42.2	41.0	—	40.7	40.7	39.7	—	40.4	41.0	42.8
	5	49.7	49.1	48.7	46.9	46.4	44.8	43.6	43.2	42.0	41.6	42.9	43.6
	6	40.7	40.5	41.0	—	—	—	—	—	—	—	—	—
	7	—	—	—	42.4	42.2	41.5	40.0	39.7	39.2	38.5	39.0	41.8
	8	43.4	43.8	43.0	42.0	41.8	41.7	41.5	41.8	40.7	40.3	41.6	42.4
	9	47.4	46.8	46.9	46.7	46.2	45.5	45.4	45.1	45.0	44.6	45.8	48.3
	10	51.7	49.3	48.4	48.6	48.1	48.3	48.2	47.9	48.0	47.6	47.6	48.6
	11	51.7	49.7	49.3	47.7	46.6	45.6	44.8	44.8	44.6	44.6	46.3	48.5
	12	48.2	47.7	47.0	47.7	48.2	—	—	—	45.0	44.9	44.9	48.1
	13	45.0	45.2	45.0	—	—	—	—	—	—	—	—	—
	14	—	—	—	47.0	45.4	45.0	44.6	44.8	45.2	45.5	46.6	46.7
	15	45.2	46.0	45.2	44.8	43.3	42.4	43.3	43.5	—	43.5	43.5	44.6
	16	45.0	44.5	44.0	42.8	43.5	44.2	44.2	44.0	43.8	43.8	43.8	44.8
	17	46.8	47.7	46.3	45.5	44.8	44.0	44.0	44.0	43.2	42.2	43.2	43.8
	18	42.2	41.8	41.2	41.0	41.0	41.2	41.0	41.0	41.0	41.2	41.3	42.7
	19	43.5	43.4	43.3	44.2	44.3	44.5	44.5	44.5	44.8	44.6	45.4	45.8
	20	44.5	43.1	42.9	—	—	—	—	—	—	—	—	—
	21	—	—	—	—	45.4	45.3	45.4	45.2	45.5	45.2	45.8	47.1
	22	49.3	49.3	48.1	47.3	46.8	46.7	46.9	47.5	47.0	47.0	47.0	48.0
	23	44.4	44.5	44.3	44.2	43.6	43.6	42.2	41.8	41.7	41.3	40.7	43.1
	24	47.0	46.2	45.0	44.2	43.7	43.4	43.6	43.1	42.5	40.9	40.7	43.5
	25	43.7	44.0	44.4	45.0	45.2	45.7	45.8	46.3	46.4	46.4	46.2	48.3
	26	51.5	51.7	51.4	50.7	51.4	50.8	48.8	47.8	47.4	47.2	47.7	48.3
	27	41.6	41.4	41.2	—	—	—	—	—	—	—	—	—
	28	—	—	—	38.7	39.2	38.7	38.7	39.4	39.2	39.4	39.4	42.0
	29	46.7	46.8	46.5	46.1	45.8	45.0	44.0	42.8	43.1	41.8	42.1	45.2
	30	44.5	42.8	42.4	43.8	43.0	42.1	42.4	42.2	42.7	42.7	43.1	45.8
Hourly Means	45.68	45.32	44.90	44.74	44.50	43.82	43.51	43.32	43.33	42.96	43.46	45.01	

^a Bulb dry.

WET THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
55.6	56.9	59.4	58.5	58.3	60.6	61.4	62.6	58.2	55.8	54.7	53.3	55.60
49.3	50.2	52.8	52.5	53.9	54.8	56.9	56.0	54.4	52.3	50.4	49.8	49.48
49.1	52.2	55.5	56.8	57.7	59.4	60.8	60.4	60.3	59.3	57.0	57.8	51.52
59.5	60.1	61.6	60.9	59.8	58.4	57.9	58.3	55.5	52.4	52.3	50.4	56.78
49.7	51.2	52.0	54.0	53.6	54.0	54.2	53.8	52.2	51.4	50.5	49.8	49.88
57.9	59.1	59.9	59.7	60.6	61.0	62.5	62.2	60.6	59.0	58.0	57.5	55.57
55.7	57.7	57.4	57.2	57.1	57.7	58.3	59.7	59.3	57.2	56.8	56.3	56.71
56.0	56.2	55.8	55.9	55.7	55.2	54.6	55.3	55.8	54.1	51.4	50.2	54.88
50.1	51.2	51.7	51.9	53.0	54.0	53.3	51.5	51.5	49.8	49.0	49.4	48.66
50.9	51.7	50.9	50.7	52.0	52.2	54.0	55.2	53.8	53.2	51.0	49.2	49.60
46.2	48.6	49.2	50.0	48.5	48.2	49.0	47.3	46.8	46.0	45.0	45.2	46.48
51.7	51.3	49.0	50.7	49.5	49.3	51.5	50.8	49.1	49.4	47.6	46.8	47.68
48.3	49.9	50.9	52.8	52.0	52.4	53.6	53.4	51.2	50.6	50.0	50.2	48.27
59.8	60.7	62.2	62.9	63.9	63.5	63.6	63.0	61.7	59.9	58.5	58.4	58.10
59.3	60.7	62.4	63.9	63.6	65.0	66.2	65.2	62.6	60.6	60.8	59.8	59.32
58.5	56.0	56.7	53.3	53.3	54.4	53.9	54.0	51.4	50.0	48.2	47.8	54.53
46.9	48.4	48.2	48.7	49.0	50.8	52.2	53.0	52.8	51.7	51.4	50.4	47.05
43.8	44.9	45.7	45.3	46.5	46.8	46.0	45.8	44.4	43.3	42.9	42.4	44.58
45.4	46.0	48.4	49.0	50.2	52.0	52.2	52.4	51.2	49.0	47.6	47.8	45.88
50.3	53.5	55.2	56.7	57.5	57.0	57.2	57.4	53.2	52.2	51.8	51.6	50.82
50.3	53.0	51.7	52.4	52.3	53.4	53.3	52.8	51.9	51.0	49.7	49.6	50.88
48.5	48.5	49.3	50.0	50.1	51.0	51.5	51.8	51.0	50.7	50.6	50.1	48.29
53.1	51.5	50.5	50.5	47.6	47.2	46.0	46.2	43.0	40.6	40.3	39.6	48.33
42.6	40.8	42.6	40.6	43.7	43.8	45.1	42.5	40.9	40.3	40.7	40.5	40.54
53.3	54.7	56.4	57.1	57.0	57.4	56.5	56.1	56.0	55.8	54.9	54.9	49.91
47.3	49.0	48.8	50.7	51.6	51.3	50.4	49.0	47.7	46.3	45.0	45.0	47.33
51.50	52.46	53.24	53.57	53.77	54.26	54.70	54.45	52.94	51.61	50.64	50.15	50.66
42.8	44.8	45.3	47.5	47.5	46.2	45.3	46.3	44.3	43.5	43.3	42.2	43.71
46.0	48.3	48.2	48.4	49.2	49.0	48.9	47.6	48.0	47.3	47.8	47.3	44.74
45.8	48.0	48.7	49.5	50.2	49.3	50.8	49.6	47.3	45.8	44.6	44.3	45.00
45.3	48.8	48.4	51.4	51.8	51.9	51.5	52.1	50.6	50.8	50.3	49.7	46.25
45.2	44.5	44.2	44.4	43.9	44.0	44.0	43.0	42.0	41.0	40.8	41.2	44.20
43.9	46.9	48.7	49.8	50.8	52.0	52.0	50.2	49.8	48.0	46.5	45.5	44.29
46.0	49.0	51.2	53.0	54.2	54.7	55.3	53.3	51.8	50.6	49.4	48.6	46.71
50.0	50.5	53.7	55.4	56.4	55.9	55.7	54.6	54.3	53.2	52.7	52.2	49.93
49.6	51.0	53.5	54.2	53.9	55.9	56.7	56.4	54.4	54.4	54.6	53.0	51.25
49.7	52.4	53.2	53.6	52.4	53.0	53.0	51.2	49.6	48.2	48.2	48.3	49.04
49.6	50.8	52.2	51.5	50.0	52.6	50.2	48.6	48.4	46.0	46.4	46.0	48.29
48.4	48.7	48.5	48.7	50.2	49.0	49.2	49.6	48.6	47.8	46.4	44.7	46.91
46.0	48.4	50.1	50.8	49.6	50.2	50.2	48.9	49.3	46.3	45.0	44.2	46.27
45.4	47.6	47.5	48.6	50.2	50.2	49.7	50.3	48.9	48.6	47.7	47.9	46.29
44.8	44.8	46.9	46.3	48.9	46.4	46.8	45.2	43.7	42.4	42.5	42.1	44.85
43.0	45.2	45.8	46.2	46.8	49.1	46.8	45.9	45.7	43.2	42.9	43.7	43.37
46.7	47.4	48.4	48.2	48.3	46.2	46.5	46.4	45.2	44.6	44.5	43.5	45.36
48.2	50.8	52.0	52.8	52.7	52.8	51.4	42.2	45.7	50.2	51.0	50.0	47.62
49.3	49.7	50.5	51.3	51.8	51.8	51.5	50.1	48.9	47.0	46.2	44.7	48.49
44.7	50.5	52.5	54.8	53.4	52.8	52.8	52.2	51.6	51.0	48.8	48.9	47.06
44.8	46.3	47.2	48.3	48.7	48.8	47.3	46.2	46.2	45.4	45.0	44.1	45.09
50.7	51.8	53.2	54.8	55.5	55.6	55.3	54.0	53.7	53.2	53.2	51.6	49.59
48.3	50.7	50.3	50.4	50.0	49.6	49.0	48.6	48.4	44.8	43.2	42.2	48.76
44.7	47.7	48.7	49.4	51.2	51.6	51.6	50.4	49.1	48.0	47.5	47.1	44.41
47.2	48.5	50.8	51.9	52.3	51.8	50.8	49.8	48.2	47.0	45.7	44.7	46.86
47.2	49.0	50.0	50.0	52.3	51.8	51.2	51.2	49.3	48.2	47.4	47.2	46.35
46.67	48.54	49.60	50.43	50.86	50.81	50.52	49.34	48.58	47.56	46.98	46.34	46.64

WET THERMOMETER.													
Hours of Mean Gottingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
MAY.	1	47°1	46°6	46°5	46°5	—	47°0	47°5	47°7	48°2	48°6	49°0	50°0
	2	50°9	50°6	50°5	50°2	49°8	48°8	48°4	47°8	46°7	45°7	45°4	49°1
	3	46°6	46°0	46°4	45°4	44°7	44°2	43°7	43°2	—	41°5	41°3	43°7
	4	47°8	47°5	47°2	—	—	—	—	—	—	—	—	—
	5	—	—	—	52°8	52°6	51°8	50°8	48°8	48°3	47°6	47°2	48°2
	6	49°5	49°0	48°0	49°2	49°0	48°4	48°0	47°8	48°4	48°2	48°7	50°0
	7	51°3	50°8	50°6	50°7	50°8	51°5	51°6	51°7	52°0	52°0	52°0	52°8
	8	45°5	43°9	42°5	43°9	46°0	46°0	45°8	46°2	46°4	46°8	47°2	47°6
	9	51°2	50°0	50°0	50°0	49°7	48°3	47°9	47°5	48°5	47°5	47°5	47°7
	10	52°2	51°8	50°7	50°7	51°3	51°3	50°5	49°0	48°0	48°4	47°8	50°4
	11	52°2	52°7	52°5	—	—	—	—	—	—	—	—	—
	12	—	—	—	50°7	49°8	49°9	49°7	49°3	49°7	50°7	51°4	51°7
	13	52°2	51°7	50°3	50°2	49°3	49°3	48°3	47°3	46°4	46°0	46°2	46°2
	14	48°6	48°3	47°7	46°8	45°8	44°8	45°0	46°0	46°2	46°0	47°0	47°8
	15	50°4	51°0	51°0	51°0	50°7	50°3	50°3	49°8	49°7	49°8	50°2	50°6
	16	40°7	39°5	38°8	38°8	38°4	38°5	39°1	38°4	38°8	39°2	39°2	40°0
	17	41°6	41°1	40°3	40°3	40°0	39°4	39°0	39°4	38°8	38°6	38°7	37°6
	18	36°2	36°4	36°2	—	—	—	—	—	—	—	—	—
	19	—	—	—	46°6	46°3	46°2	45°7	45°5	45°7	46°1	46°5	46°5
	20	47°3	46°3	45°5	45°5	45°8	45°8	45°8	46°0	45°6	45°7	46°2	47°4
	21	46°0	46°0	46°0	46°0	45°4	44°0	44°5	44°6	—	43°8	44°1	45°2
	22	47°3	46°2	44°7	44°4	44°0	45°3	44°8	45°5	43°8	45°4	45°0	45°2
	23	47°3	46°3	46°4	44°4	43°0	43°2	43°0	41°8	40°9	40°0	40°2	40°7
	24	42°8	43°7	44°2	44°1	43°0	41°8	41°2	41°0	40°8	40°5	40°4	41°4
	25	41°9	41°5	42°2	—	—	—	—	—	—	—	—	—
	26	—	—	—	44°2	44°2	44°4	44°6	44°8	44°7	45°1	45°7	46°7
	27	44°4	43°6	43°2	42°5	41°3	40°2	39°7	38°3	37°9	37°3	36°6	37°9
	28	41°7	41°1	40°2	39°6	39°2	38°5	37°8	37°3	37°6	37°2	37°6	38°2
	29	39°6	39°2	39°0	39°4	39°8	40°0	40°6	41°0	42°4	42°3	42°8	43°9
	30	45°0	44°8	44°8	44°8	43°8	43°6	43°7	43°9	44°0	44°0	44°0	45°1
	31	45°4	45°8	45°4	45°6	—	47°2	47°5	48°0	49°0	49°0	49°4	49°6
Hourly Means	46°40	45°98	45°59	46°09	45°75	45°54	45°35	45°10	45°14	44°93	45°09	45°97	
JUNE.	1	48°5	47°5	46°6	—	—	—	—	—	—	—	—	
	2	—	—	—	48°7	47°2	47°0	46°7	46°7	46°7	46°8	47°4	48°3
	3	46°1	45°3	44°6	44°5	44°2	44°2	44°0	43°7	42°8	43°0	43°0	42°8
	4	46°6	46°9	46°5	46°5	46°8	47°2	48°0	48°2	48°0	47°8	48°2	48°7
	5	43°2	42°6	41°8	41°2	40°5	40°7	40°5	40°5	41°5	40°9	40°7	41°5
	6	42°0	42°1	42°6	42°6	43°5	43°5	44°1	45°5	46°4	46°8	48°6	48°2
	7	42°6	42°7	42°9	43°7	44°3	44°2	44°0	44°0	44°4	44°7	44°9	45°1
	8	51°0	50°8	50°8	—	—	—	—	—	—	—	—	—
	9	—	—	—	41°7	41°3	40°7	40°3	40°2	41°0	40°8	40°4	41°2
	10	42°5	41°9	41°5	41°5	39°6	38°8	38°7	37°3	37°2	36°8	36°6	38°8
	11	39°0	38°8	38°6	38°2	37°7	37°7	36°7	36°6	36°8	36°7	37°4	36°9
	12	42°7	42°5	41°4	41°8	41°4	41°5	41°5	41°4	41°4	41°2	41°2	41°2
	13	38°3	37°8	38°5	38°7	39°0	39°0	39°2	39°4	39°4	39°5	39°6	40°2
	14	38°0	37°8	37°8	37°4	36°8	35°8	35°7	35°3	—	—	36°0	35°7
	15	42°4	42°2	41°7	—	—	—	—	—	—	—	—	—
	16	—	—	—	39°4	38°2	37°2	37°8	38°5	38°3	38°2	38°3	37°8
	17	43°0	42°2	40°0	39°4	38°2	37°7	37°8	38°3	38°5	38°5	38°2	37°4
	18	41°6	41°3	41°8	42°3	41°2	40°0	39°3	38°0	37°8	37°0	37°2	37°0
	19	38°2	38°2	38°4	38°5	40°5	41°4	40°0	39°8	—	39°3	39°3	39°5
	20	34°0	34°2	34°2	34°4	33°9	34°2	33°5	33°5	33°4	34°1	33°7	33°0
	21	37°0	37°3	37°7	38°8	—	42°0	42°3	41°8	41°3	41°4	41°6	42°0
	22	45°0	45°5	45°5	—	—	—	—	—	—	—	—	—
	23	—	—	—	44°3	42°6	42°3	41°4	40°4	39°5	38°7	39°4	40°0
	24	35°8	35°5	35°1	35°0	34°5	34°7	35°2	34°7	35°0	35°2	35°0	38°0
	25	38°7	41°0	40°7	41°4	42°0	42°5	43°2	43°0	42°8	42°5	42°3	41°9
	26	47°8	46°8	47°0	47°0	46°3	45°8	45°0	44°3	44°0	42°5	41°7	41°9
	27	44°6	43°2	42°5	42°2	41°0	—	39°0	38°2	37°0	36°4	36°2	36°5
	28	37°7	37°4	37°7	37°5	38°0	37°0	36°8	36°0	36°7	36°9	37°2	37°4
	29	37°8	37°0	37°2	—	—	—	—	—	—	—	—	—
	30	—	—	—	38°2	38°2	37°8	37°7	37°8	38°2	38°2	37°2	37°0
Hourly Means	41°76	41°54	41°32	40°99	40°70	40°54	40°34	40°12	40°35	40°16	40°05	40°32	

WET THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
50.8	53.7	54.5	54.6	53.6	55.6	54.1	53.9	52.3	52.2	52.2	51.3	50.59
50.4	51.3	52.5	53.7	54.2	54.2	53.8	53.4	49.8	48.8	47.4	46.2	49.98
44.5	46.9	49.2	50.3	51.1	51.6	51.6	52.2	50.2	49.3	49.2	48.6	47.02
—	—	—	—	—	—	—	—	—	—	—	—	—
49.5	51.3	52.2	52.4	52.4	53.0	53.4	52.6	52.2	52.4	51.8	51.8	50.65
51.5	52.7	55.1	55.2	55.9	56.2	55.9	55.3	54.4	54.0	52.7	52.2	51.47
55.2	56.7	57.7	57.0	57.3	55.3	54.5	52.1	50.0	49.8	47.6	45.9	52.37
48.2	49.4	50.8	52.2	53.4	54.0	54.0	53.0	51.8	51.0	50.8	50.8	48.63
48.8	49.8	52.0	52.9	54.3	54.7	54.0	53.6	53.4	52.8	52.8	52.4	50.72
51.7	53.9	56.6	57.4	56.6	57.2	55.9	54.9	54.0	52.2	50.6	51.2	52.26
—	—	—	—	—	—	—	—	—	—	—	—	—
52.0	52.8	54.0	54.3	54.5	54.4	55.0	54.7	53.7	51.9	51.4	51.6	52.11
47.5	49.3	50.0	52.2	52.3	52.4	52.5	52.3	50.8	50.0	49.9	49.4	49.67
48.9	50.4	51.3	52.3	53.2	54.0	54.0	54.0	51.8	50.3	50.8	50.6	49.23
49.4	47.8	46.8	45.5	46.0	45.7	45.0	44.2	42.8	41.3	41.6	41.7	47.61
41.4	43.3	45.5	46.3	48.0	48.3	46.9	46.0	45.5	44.6	45.2	42.7	52.21
39.4	38.7	37.4	38.1	39.0	38.4	39.2	37.6	37.0	37.5	36.2	36.4	38.74
—	—	—	—	—	—	—	—	—	—	—	—	—
47.0	48.8	50.8	51.8	50.8	50.5	50.7	50.5	49.8	49.1	48.8	48.2	46.70
49.0	49.9	50.9	52.6	53.0	52.0	51.2	50.2	49.0	48.0	46.0	46.2	47.95
47.0	48.2	50.8	51.4	52.0	52.6	51.9	50.2	49.0	48.3	48.2	48.0	47.53
47.4	47.6	50.9	51.6	51.0	51.1	50.7	50.3	50.0	49.0	49.0	48.8	47.46
43.0	44.8	46.6	48.4	49.0	50.4	49.2	48.0	46.7	45.3	43.9	42.6	44.80
43.7	45.8	47.8	49.0	49.4	50.1	49.6	47.4	45.3	44.5	44.0	43.6	44.38
—	—	—	—	—	—	—	—	—	—	—	—	—
45.8	46.5	47.2	47.7	47.4	47.4	47.2	47.0	46.2	45.8	45.5	46.0	45.40
40.0	41.4	42.4	43.4	44.7	44.3	45.3	44.9	44.2	42.2	41.8	42.8	41.68
40.8	41.3	41.4	42.3	42.6	42.4	42.7	40.9	40.8	40.2	39.8	39.6	40.03
45.7	46.6	46.2	46.5	47.0	48.0	46.2	45.8	45.0	45.0	45.2	45.0	43.42
46.2	47.0	48.0	49.2	48.8	48.3	48.3	46.9	46.3	45.7	45.7	45.5	45.72
50.6	51.4	51.4	51.3	52.2	52.2	51.3	50.5	49.7	49.0	48.7	48.3	49.07
47.24	48.42	49.63	50.36	50.73	50.90	50.52	49.72	48.58	47.79	47.29	46.94	47.77
—	—	—	—	—	—	—	—	—	—	—	—	—
50.8	51.6	53.2	53.2	53.6	52.2	51.8	51.2	51.2	48.3	46.6	46.2	49.08
43.8	45.6	46.7	47.3	47.8	47.1	47.3	47.0	46.8	46.8	46.3	46.3	45.30
49.7	51.2	52.5	52.9	51.8	49.6	49.0	46.4	45.2	44.6	43.6	43.3	47.88
42.8	43.7	44.4	44.5	45.0	46.0	45.7	44.6	43.6	43.4	42.2	41.7	42.63
48.6	51.0	50.0	47.8	46.1	46.2	45.3	42.4	42.5	42.5	42.7	43.0	45.17
45.5	45.3	47.2	47.9	48.8	50.5	51.0	50.5	50.2	50.3	50.5	50.5	46.49
—	—	—	—	—	—	—	—	—	—	—	—	—
43.1	45.5	46.2	46.7	47.1	46.9	46.5	45.5	44.2	43.0	42.6	42.5	44.17
41.2	44.3	45.6	46.9	46.8	46.8	46.8	46.2	44.6	42.6	41.7	40.5	41.88
38.5	40.5	42.5	43.9	45.2	44.4	45.3	44.4	43.3	43.1	42.9	43.1	40.34
43.5	45.3	45.4	46.0	46.7	48.0	46.4	45.5	43.2	42.0	40.3	38.8	42.93
40.7	41.9	43.3	45.5	45.2	46.0	45.8	44.0	42.0	40.8	39.5	38.4	40.90
37.8	39.0	40.7	43.0	44.2	44.6	44.5	43.7	42.0	40.3	40.4	42.2	39.49
—	—	—	—	—	—	—	—	—	—	—	—	—
38.7	39.7	40.8	41.5	42.5	42.4	43.0	42.0	41.8	41.5	43.0	42.7	40.40
39.0	41.5	44.5	45.0	46.3	47.5	47.4	47.1	46.3	—	42.1	41.6	41.63
37.8	38.8	40.3	42.9	42.6	42.4	41.8	40.6	39.7	39.0	38.5	38.3	39.88
41.1	41.8	39.7	40.8	39.4	39.0	38.2	36.6	36.5	36.0	35.2	34.6	38.96
33.4	34.9	34.0	35.1	37.8	36.1	35.2	35.8	34.6	34.5	35.2	35.6	34.51
42.1	43.3	44.2	44.9	44.8	45.3	44.7	44.4	43.6	43.4	44.2	43.8	42.26
—	—	—	—	—	—	—	—	—	—	—	—	—
39.8	39.8	41.0	41.2	41.9	41.1	40.1	39.9	38.2	37.2	37.0	37.8	40.82
38.3	39.7	41.3	42.7	42.8	41.5	41.0	40.3	40.5	40.2	39.7	39.8	37.98
42.5	44.9	46.5	48.6	49.0	49.2	48.6	48.0	48.4	48.0	47.8	47.5	44.62
43.0	45.0	46.2	47.0	47.2	47.7	46.4	46.1	45.9	45.6	44.7	44.8	45.40
37.8	40.7	42.6	43.9	44.5	44.4	44.1	43.2	42.6	41.0	39.5	38.7	40.86
38.0	38.9	40.4	41.4	41.7	41.8	41.2	39.6	38.0	36.8	36.5	37.3	38.25
—	—	—	—	—	—	—	—	—	—	—	—	—
38.2	39.3	40.0	41.2	41.3	41.7	41.5	40.7	38.6	38.0	36.9	36.4	38.59
41.43	42.93	43.97	44.87	45.20	45.13	44.74	43.83	42.93	42.04	41.58	41.42	41.96

WET THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
JULY.	1	35.7	36.2	35.7	35.9	36.8	37.0	36.4	36.0	35.3	34.2	33.8	34.6
	2	47.8	47.8	47.8	48.0	48.1	47.5	48.4	48.4	48.5	48.3	47.9	47.5
	3	48.3	48.1	47.6	47.2	46.1	45.4	44.8	44.0	44.0	44.0	43.4	43.0
	4	40.3	40.3	39.7	—	39.2	38.9	—	38.0	37.7	37.4	36.8	36.4
	5	43.5	42.8	43.0	42.5	42.0	42.3	42.7	42.2	—	41.4	39.5	38.6
	6	36.5	36.7	36.4	—	—	—	—	—	—	—	—	—
	7	—	—	—	46.0	47.0	47.8	47.5	47.2	44.8	43.6	43.7	43.4
	8	38.8	39.2	39.2	39.3	39.4	39.2	39.6	40.8	40.7	40.5	40.4	41.1
	9	41.0	40.8	40.2	38.8	38.9	37.9	37.2	36.6	35.6	34.7	34.4	35.0
	10	44.3	43.7	43.6	42.9	43.5	43.4	43.8	43.8	43.9	43.6	43.2	43.5
	11	44.0	43.8	44.4	44.0	43.6	43.7	43.5	43.7	43.7	43.4	43.0	43.5
	12	40.3	44.5	45.3	45.4	45.4	45.3	44.7	44.8	—	44.8	44.8	44.8
	13	46.7	46.3	46.2	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	41.6	41.5	40.7	40.5	40.2	39.7	39.8	39.9
	15	39.8	38.7	38.3	37.9	38.5	38.8	39.0	39.0	38.6	37.4	36.8	37.0
	16	42.3	41.9	41.5	40.5	40.6	40.6	41.0	41.0	41.4	41.5	42.5	43.3
	17	44.0	44.2	44.2	44.2	43.7	44.0	43.8	43.8	43.8	43.8	43.5	43.2
	18	40.5	40.2	40.7	39.3	38.7	—	—	37.5	37.2	37.5	37.8	39.4
	19	37.3	36.7	37.2	37.3	37.2	36.8	36.0	36.4	35.8	35.8	36.3	36.8
	20	35.0	35.4	35.8	—	—	—	—	—	—	—	—	—
	21	—	—	—	36.2	35.6	34.7	34.5	33.0	—	33.2	33.2	34.8
	22	40.2	39.3	38.3	37.4	37.6	37.8	38.2	38.0	37.3	36.5	36.8	38.0
	23	39.0	38.6	37.4	37.8	37.5	37.4	37.6	37.5	37.4	36.7	37.4	38.2
	24	36.6	36.3	36.0	35.8	35.4	34.7	34.4	34.5	34.4	34.0	34.2	35.7
	25	41.4	41.2	41.8	42.1	42.3	42.7	43.3	43.7	43.7	42.6	41.8	42.8
	26	39.6	38.6	39.4	39.8	39.4	38.6	38.7	38.8	38.9	38.5	37.8	38.2
	27	38.6	37.8	37.2	—	—	—	—	—	—	—	—	—
	28	—	—	—	43.4	43.5	43.8	43.5	43.6	43.7	43.3	43.2	43.7
	29	40.2	39.8	40.8	41.2	41.2	41.4	41.5	41.3	41.3	41.7	41.4	42.2
	30	43.9	44.0	43.8	43.4	42.7	40.7	40.4	41.3	38.9	38.0	38.0	38.8
	31	36.9	36.5	35.7	34.9	35.0	34.5	33.8	33.5	33.1	32.6	32.2	32.2
Hourly Means	40.98	40.72	40.64	40.85	40.76	40.63	40.60	40.26	39.99	39.58	39.39	39.82	
AUGUST.	1	37.6	37.5	36.5	37.0	36.7	36.6	35.8	35.7	35.4	35.1	34.9	36.2
	2	40.4	40.3	39.2	38.5	37.4	37.1	36.5	35.3	35.5	35.4	35.6	35.5
	3	44.7	44.8	44.3	—	—	—	—	—	—	—	—	—
	4	—	—	—	44.2	44.6	42.2	41.9	41.5	41.0	40.5	39.5	40.8
	5	41.8	41.2	40.3	39.3	38.5	39.4	39.4	39.8	40.3	40.8	40.8	41.2
	6	41.7	40.7	40.6	40.4	40.2	39.8	39.8	39.8	39.9	40.2	40.6	41.2
	7	38.6	38.4	38.0	38.0	37.7	37.3	37.0	35.5	35.2	35.1	35.7	37.8
	8	41.3	41.4	41.6	41.5	41.3	41.2	41.0	41.0	40.7	40.2	40.4	40.2
	9	43.7	44.0	43.7	43.6	43.2	43.2	42.8	42.8	41.5	41.5	41.8	42.7
	10	42.8	42.2	42.2	—	—	—	—	—	—	—	—	—
	11	—	—	—	43.7	43.7	43.5	43.3	43.1	43.0	42.8	41.2	42.8
	12	43.5	43.2	42.7	42.6	43.4	43.5	42.8	42.5	42.5	42.5	42.4	43.2
	13	42.0	42.0	42.0	40.0	39.7	37.1	38.3	37.4	36.9	36.6	36.5	38.4
	14	42.5	43.2	42.7	43.3	—	44.3	45.4	47.5	46.0	44.2	44.2	44.0
	15	33.4	34.7	33.7	34.3	34.8	35.6	35.8	35.8	36.0	—	36.3	37.2
	16	40.4	39.2	38.2	38.4	39.0	39.3	39.2	38.6	37.4	36.8	36.0	38.5
	17	42.8	42.5	42.6	—	—	—	—	—	—	—	—	—
	18	—	—	—	43.8	43.8	44.0	43.8	43.6	43.4	43.7	44.1	44.3
	19	43.6	—	41.4	40.2	40.4	40.3	39.8	40.2	40.7	41.1	41.4	41.7
	20	42.9	42.1	41.4	40.7	40.3	39.7	39.7	39.3	39.0	39.0	39.0	40.0
	21	43.2	43.0	42.8	42.6	43.6	44.5	44.5	45.0	43.8	43.3	43.6	44.0
	22	39.0	38.4	38.6	38.4	38.2	38.2	38.0	38.0	38.2	38.5	38.7	40.5
	23	39.0	38.5	38.3	38.3	38.0	37.7	37.5	37.7	37.8	37.2	38.2	40.0
	24	43.6	43.5	43.2	—	—	—	—	—	—	—	—	—
	25	—	—	—	39.0	38.2	37.8	37.6	36.7	36.8	—	36.9	39.8
	26	45.3	43.4	43.0	42.2	42.7	41.5	40.3	38.6	37.7	38.0	38.8	40.2
	27	40.7	40.1	—	41.2	41.2	41.0	41.0	41.0	40.7	40.8	40.9	42.2
	28	42.8	43.2	43.0	41.2	40.4	40.0	39.5	39.1	38.7	39.0	39.5	42.7
	29	43.9	42.5	41.5	40.7	40.7	40.9	40.3	41.5	41.8	43.0	43.0	42.9
	30	39.7	39.4	39.3	40.0	39.8	39.0	39.0	39.2	38.7	37.5	38.7	39.6
Hourly Means	41.57	41.17	40.83	40.50	40.30	40.18	40.00	39.85	39.56	39.70	39.57	40.68	

WET THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
36.8	39.5	41.4	42.5	—	45.8	47.0	47.6	47.3	47.5	47.4	47.0	39.89
47.9	49.7	51.4	51.0	51.0	51.6	50.6	50.0	49.1	49.0	49.0	48.6	49.00
44.2	46.0	47.3	47.5	48.9	48.3	47.5	46.9	46.0	45.4	43.4	42.2	45.81
38.0	39.5	41.0	42.3	43.8	44.2	43.8	43.0	42.2	41.5	41.5	42.0	40.34
37.5	38.0	38.6	38.3	38.5	38.4	37.7	36.7	36.6	36.5	36.6	36.2	39.57
—	—	—	—	—	—	—	—	—	—	—	—	42.66
42.9	44.4	44.8	44.4	43.0	43.8	42.6	41.0	39.5	38.8	39.0	39.2	42.23
43.0	44.6	45.7	46.8	47.1	46.6	46.3	45.3	43.9	42.7	41.5	41.9	39.45
35.5	37.4	38.5	41.5	43.4	42.8	42.3	43.3	42.7	42.8	42.4	43.0	45.17
43.8	44.7	47.5	47.5	49.0	49.0	48.8	48.6	47.0	46.0	44.7	44.4	44.50
43.9	44.2	44.6	45.2	46.4	46.7	46.7	46.3	45.3	44.8	45.2	44.3	46.41
46.6	47.0	47.8	49.0	48.8	48.7	48.2	47.6	47.6	47.5	47.4	47.2	42.53
—	—	—	—	—	—	—	—	—	—	—	—	40.55
40.4	41.3	42.9	44.7	44.8	45.9	43.8	43.6	42.7	42.3	42.0	40.7	43.53
39.2	40.4	44.0	44.7	44.5	44.7	43.4	42.9	43.2	42.2	42.2	42.3	44.91
44.4	45.4	47.4	47.6	46.8	46.4	44.8	45.6	44.8	44.3	44.7	44.5	40.60
45.2	47.0	47.8	48.2	48.7	47.8	48.1	46.4	45.0	43.0	43.4	41.2	37.28
41.4	52.5	43.4	43.8	44.2	45.3	44.5	43.3	40.9	39.2	38.4	37.5	38.00
38.7	40.5	41.2	40.0	39.0	38.2	39.2	37.2	35.7	35.2	35.5	34.8	40.75
—	—	—	—	—	—	—	—	—	—	—	—	39.25
37.5	37.9	38.7	40.0	42.2	42.7	42.8	42.7	42.5	42.6	41.7	41.2	38.20
40.2	41.2	44.0	44.8	45.4	46.4	45.8	45.0	44.5	43.2	41.9	40.3	42.86
41.7	43.9	44.6	45.6	44.7	42.1	41.3	39.7	38.3	37.4	37.0	36.4	40.99
37.8	39.8	41.4	42.1	43.3	42.0	41.6	41.3	41.3	41.3	41.4	41.5	44.44
43.0	43.3	44.1	44.8	45.4	45.8	45.0	44.4	43.0	41.3	39.4	39.7	43.57
40.5	42.1	43.7	44.7	43.8	46.6	46.7	45.5	43.4	40.8	39.8	39.8	41.50
—	—	—	—	—	—	—	—	—	—	—	—	37.17
45.4	47.3	47.3	48.2	48.8	49.0	48.6	48.0	46.4	44.0	42.8	41.4	41.95
43.5	44.8	46.0	46.7	48.1	48.0	47.5	46.6	46.4	45.0	44.8	44.2	41.03
41.7	42.3	42.7	44.0	44.7	44.5	44.2	43.6	41.4	39.5	38.1	37.3	40.70
35.1	37.6	39.5	40.7	42.0	43.6	43.8	43.0	40.8	39.3	39.0	37.6	44.57
—	—	—	—	—	—	—	—	—	—	—	—	42.89
41.37	42.68	43.97	44.69	45.24	45.37	44.91	44.26	43.24	42.34	41.86	41.35	41.72
38.2	40.4	43.5	45.8	47.2	47.4	47.7	46.5	44.2	42.7	41.5	40.7	39.42
36.7	39.2	40.6	43.0	45.2	46.9	46.8	47.3	46.4	46.2	46.3	45.6	42.72
—	—	—	—	—	—	—	—	—	—	—	—	44.84
41.8	44.9	46.5	49.0	50.0	49.3	49.2	48.8	46.7	45.5	44.4	43.6	44.53
42.0	45.4	47.2	47.5	49.1	48.3	47.1	45.7	45.2	44.2	42.3	42.5	44.19
42.5	42.7	44.0	45.2	45.0	45.8	44.8	43.8	42.5	40.8	40.5	38.9	41.46
39.4	41.5	41.7	41.3	42.7	43.2	43.3	42.3	41.9	41.5	41.5	41.4	40.85
41.9	42.5	44.8	44.5	45.7	45.6	46.0	44.3	45.0	44.6	44.3	44.3	39.05
44.0	45.8	47.4	48.4	49.0	49.2	47.2	48.8	47.4	46.2	44.8	43.4	41.37
—	—	—	—	—	—	—	—	—	—	—	—	44.78
44.3	46.0	46.8	48.3	47.5	47.7	46.7	47.5	46.2	44.9	44.3	44.2	43.64
43.8	46.1	47.7	48.3	48.6	46.2	46.2	46.0	44.2	44.0	42.8	41.8	42.18
40.0	42.3	44.1	45.2	45.4	45.5	46.2	45.3	44.0	43.6	43.6	43.0	43.59
44.3	42.4	40.6	39.3	37.3	36.5	37.1	36.9	36.4	34.2	33.7	33.5	40.19
37.9	40.0	41.6	42.8	43.5	44.0	44.8	45.0	44.2	43.0	42.6	41.2	40.85
40.8	42.6	44.2	45.0	45.7	46.0	46.0	45.7	44.8	43.8	43.5	43.7	44.53
—	—	—	—	—	—	—	—	—	—	—	—	41.8
45.1	45.5	46.7	46.4	46.4	47.8	48.0	47.0	45.6	45.0	44.5	44.2	41.2
41.8	43.4	47.4	48.8	49.6	49.4	47.7	47.5	46.0	44.6	44.0	42.8	41.7
41.0	42.8	43.6	43.9	44.9	46.1	45.9	46.3	44.8	44.4	—	43.3	42.3
43.3	43.4	44.3	44.7	45.2	46.2	45.8	45.8	42.4	41.4	40.3	39.4	42.7
40.7	41.8	43.4	43.5	43.8	44.0	43.8	42.3	40.6	39.7	39.5	38.8	45.2
41.3	43.7	43.3	43.7	43.7	42.8	43.5	44.6	44.3	44.0	43.5	43.7	44.3
—	—	—	—	—	—	—	—	—	—	—	—	43.08
41.9	44.4	46.8	47.0	48.3	48.4	48.6	48.3	46.3	46.3	46.2	45.2	42.98
42.0	43.8	45.6	47.0	47.7	47.8	47.2	46.3	44.9	43.5	42.3	41.7	43.68
43.5	45.5	46.9	46.4	46.4	48.2	48.6	47.2	49.8	44.2	44.4	42.7	44.37
45.6	46.4	49.0	50.8	50.1	49.5	49.1	48.2	47.7	47.5	46.8	45.2	42.66
44.0	44.3	43.3	44.8	46.0	45.6	44.7	43.7	42.6	42.6	40.1	39.4	41.70
41.9	43.0	44.2	44.9	45.2	46.4	46.6	45.9	44.9	43.6	42.5	41.6	42.39
—	—	—	—	—	—	—	—	—	—	—	—	—
41.91	43.45	44.82	45.60	46.12	46.30	46.10	45.65	44.58	43.54	42.81	42.15	42.39

WET THERMOMETER.														
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11		
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20		
Aug. 31	41°3	41°6	42°1	—	—	—	—	—	—	—	—	—		
1	—	—	—	41°4	40°3	38°7	38°4	37°8	—	40°0	40°8	43°8		
2	46°8	45°7	—	44°3	43°2	41°8	41°8	41°8	40°3	40°0	40°0	42°2		
3	43°9	43°0	—	41°2	40°8	40°2	39°8	39°6	39°1	39°3	40°5	43°3		
4	47°9	45°4	44°5	43°7	43°0	42°7	42°5	42°3	42°0	41°6	42°8	45°8		
5	39°7	39°3	39°0	38°8	39°8	39°2	38°6	38°0	37°4	38°2	38°7	41°2		
6	43°7	42°1	41°5	40°8	40°2	39°6	39°6	39°6	40°2	40°2	41°6	44°0		
7	40°8	40°8	41°2	—	—	—	—	—	—	—	—	—		
8	—	—	—	48°2	48°0	48°0	48°0	47°8	47°7	48°3	48°6	49°2		
9	43°0	41°0	39°8	39°8	39°3	38°8	37°8	37°5	36°9	36°3	38°2	39°4		
10	39°3	37°8	37°5	37°2	37°7	37°4	37°3	36°5	—	37°0	38°2	41°4		
11	45°5	45°2	43°4	41°9	39°8	39°8	39°6	39°4	38°9	38°7	40°8	43°4		
12	39°5	38°2	37°3	36°1	36°4	36°4	36°0	35°8	—	34°5	37°0	39°5		
13	43°5	43°2	43°0	42°8	42°7	42°7	42°7	42°7	42°7	42°8	43°6	44°8		
14	41°7	40°5	39°5	—	—	—	—	—	—	—	—	—		
15	—	—	—	43°8	43°4	42°7	43°2	43°3	43°7	43°5	45°2	46°8		
16	49°2	49°2	50°1	50°3	49°9	49°7	49°4	49°0	49°4	49°6	49°8	49°8		
17	47°7	47°2	46°7	46°3	46°0	46°0	45°8	45°2	44°7	44°5	45°0	45°5		
18	44°6	44°4	44°2	44°0	43°8	43°7	43°8	43°8	43°6	43°8	43°8	44°8		
19	44°6	44°6	44°6	44°5	44°6	44°5	44°3	44°3	44°4	44°5	45°2	45°0		
20	45°6	44°6	43°4	42°6	40°2	40°0	38°9	38°8	38°6	38°8	40°7	42°5		
21	45°0	45°0	44°8	—	—	—	—	—	—	—	—	—		
22	—	—	—	43°6	43°2	43°4	43°4	43°5	43°4	43°1	44°0	46°0		
23	43°6	42°4	41°2	40°8	40°0	39°2	39°0	39°0	39°0	39°5	41°2	43°5		
24	46°7	46°6	46°3	45°3	43°8	44°0	43°8	43°8	43°0	42°8	45°2	46°5		
25	48°0	46°5	46°0	45°2	45°4	45°4	45°6	45°8	45°6	46°2	47°3	48°3		
26	45°4	44°6	44°0	44°0	44°8	43°8	43°8	43°4	42°7	42°3	44°4	45°6		
27	46°4	45°5	44°5	44°0	43°6	43°6	42°5	41°5	42°2	42°6	44°8	46°4		
28	49°5	49°5	49°2	—	—	—	—	—	—	—	—	—		
29	—	—	—	51°5	51°0	51°5	51°5	51°5	51°3	50°0	49°7	50°0		
30	48°0	48°0	47°0	47°0	47°7	47°7	48°5	48°2	47°7	49°2	48°4	49°0		
Hourly Means	44°65	43°92	43°37	43°43	43°02	42°71	42°52	42°30	42°80	42°20	43°29	44°92		
OCTOBER.	1	45°5	45°4	45°5	44°8	44°2	43°5	43°0	41°7	41°2	40°6	41°6	43°0	
	2	42°4	41°6	41°5	41°0	40°6	39°5	39°5	39°2	^a —	39°2	40°1	41°3	
	3	42°8	42°4	41°7	41°4	41°4	40°2	40°0	39°7	39°8	40°0	43°6	45°2	
	4	46°0	45°2	45°2	44°6	—	—	43°0	42°5	41°4	40°3	40°9	43°7	45°0
	5	45°0	44°8	44°5	—	—	—	—	—	—	—	—	—	—
	6	—	—	—	44°7	45°4	45°2	44°3	43°7	43°0	44°2	46°0	47°6	
	7	51°7	51°2	50°7	50°5	50°6	—	49°4	49°1	48°4	49°2	50°0	50°8	
	8	51°2	51°4	50°8	50°0	49°8	48°5	45°2	44°2	44°0	43°9	46°7	47°4	
	9	47°0	46°0	46°0	45°2	45°7	45°4	45°0	45°3	45°0	44°8	46°6	49°2	
	10	48°7	48°2	46°7	46°4	46°4	46°2	44°2	43°2	42°5	43°2	45°0	46°0	
	11	47°8	46°8	47°2	47°4	47°3	47°3	47°2	46°8	47°0	47°2	48°0	49°8	
	12	45°4	45°7	46°2	—	—	—	—	—	—	—	—	—	
	13	—	—	—	44°2	42°3	42°2	42°2	41°8	42°2	42°5	45°7	46°9	
	14	49°0	49°2	47°4	45°8	45°5	45°2	45°1	44°5	43°9	45°0	45°7	47°0	
	15	47°9	47°5	46°4	47°2	47°8	—	46°4	45°7	45°0	46°7	49°8	51°3	
	16	51°9	52°1	49°8	47°3	46°8	46°8	46°8	46°4	46°0	46°6	47°2	49°1	
	17	45°0	45°2	43°8	42°6	42°6	42°4	42°2	42°0	43°0	43°6	44°5	44°3	
	18	45°7	45°3	45°3	45°0	45°3	44°2	43°4	43°3	43°4	43°4	44°8	47°0	
	19	54°3	53°9	53°3	—	—	—	—	—	—	—	—	—	
	20	—	—	—	48°4	47°8	47°2	46°6	46°0	46°6	47°5	49°1	49°3	
	21	46°3	45°3	44°2	44°8	45°6	46°8	47°6	47°7	47°8	48°0	48°8	50°4	
	22	54°6	55°4	55°2	55°6	55°4	55°0	53°4	53°0	49°8	47°4	47°8	49°0	
	23	56°4	56°0	54°5	53°0	47°7	47°2	46°4	45°8	45°7	46°8	51°3	53°8	
	24	43°7	42°7	42°2	42°0	42°2	41°6	41°3	41°2	41°3	42°8	45°0	46°9	
	25	45°4	44°7	43°5	42°8	—	41°0	40°4	40°2	39°3	39°3	40°0	39°9	
	26	35°2	35°2	35°8	—	—	—	—	—	—	—	—	—	
	27	—	—	—	44°7	44°3	44°5	44°3	44°3	45°0	45°6	46°5	48°5	
	28	45°6	45°3	44°8	44°6	44°4	44°2	43°4	44°6	45°1	47°0	48°9	50°7	
	29	44°7	44°7	44°1	42°8	42°4	42°0	41°8	42°0	42°2	42°3	45°3	46°5	
	30	40°0	40°2	40°0	39°7	39°2	39°0	38°7	38°6	39°0	40°8	43°2	44°8	
	31	42°7	42°0	41°3	41°3	41°4	41°0	40°0	41°2	43°4	44°4	46°2	48°3	
Hourly Means	46°74	46°42	45°84	45°47	45°28	44°36	44°09	43°80	43°84	44°18	45°96	47°37		

^a Bulb dry.

WET THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
45.7	47.4	48.3	49.1	50.0	50.1	50.9	48.7	47.9	47.0	47.2	47.4	44.60
44.7	47.2	48.3	49.2	50.0	50.2	50.4	50.2	49.0	47.6	46.8	44.6	45.48
45.0	47.0	49.0	49.8	49.6	49.8	49.5	48.3	47.4	47.4	47.2	46.9	44.68
45.7	47.3	48.5	48.8	47.2	46.0	46.7	44.6	42.3	41.5	40.7	40.3	44.32
42.7	44.5	46.4	48.1	48.0	48.8	49.6	47.8	48.6	44.8	44.5	44.2	42.75
46.7	49.0	51.2	50.4	45.9	46.2	46.5	42.7	42.5	42.0	41.6	41.0	43.28
49.2	49.5	50.6	51.3	51.4	50.8	50.0	48.8	48.6	45.8	44.5	44.0	47.55
41.9	42.3	43.7	44.6	44.5	44.0	43.0	43.0	42.8	40.8	38.8	38.4	40.65
44.8	48.4	49.0	50.0	50.1	50.9	50.1	50.0	48.5	47.6	47.7	46.5	43.52
43.9	45.0	44.9	45.4	46.0	46.0	46.0	45.8	44.8	43.8	41.6	40.9	42.94
41.9	43.9	45.5	45.6	46.2	47.7	47.7	47.0	45.4	44.0	43.7	43.7	41.26
45.0	45.6	46.0	47.0	45.7	46.2	46.7	46.9	45.3	44.5	43.6	42.9	44.27
48.6	50.0	49.0	50.8	51.2	51.7	51.2	50.8	49.6	49.3	49.2	49.2	46.58
49.6	49.7	49.8	50.3	50.7	50.5	50.1	49.7	49.4	49.0	48.4	48.0	49.61
45.7	45.9	46.3	46.3	47.0	47.8	47.0	46.8	45.7	45.1	44.7	44.6	45.98
45.0	45.0	45.2	45.1	45.4	45.8	46.2	45.4	45.1	44.8	44.8	44.8	44.62
46.5	47.5	48.3	47.6	48.8	48.8	48.2	48.6	46.6	46.5	45.6	45.6	45.99
44.2	45.8	46.4	48.1	47.8	47.9	47.4	47.6	46.8	45.2	45.2	45.0	43.84
48.5	48.8	48.6	48.3	47.8	47.6	47.4	46.8	46.4	45.6	45.2	44.8	45.59
46.0	47.9	48.2	48.7	50.3	49.3	50.6	48.8	48.5	47.6	47.3	47.4	44.54
47.8	49.2	51.0	52.2	53.2	54.2	54.0	51.6	49.0	46.8	47.0	46.0	47.53
49.7	50.0	51.2	52.6	52.5	52.9	52.3	52.2	50.0	48.6	47.4	46.4	48.38
46.6	49.3	49.4	50.6	51.8	52.5	52.7	51.5	51.0	49.4	48.2	47.7	47.02
49.0	50.7	52.4	54.7	53.6	54.8	55.0	52.4	52.0	51.0	50.2	49.5	48.04
49.8	50.6	50.7	51.4	51.5	51.5	51.5	51.5	50.2	49.2	50.0	50.0	50.59
49.0	48.3	47.9	47.6	47.6	46.7	47.1	47.3	46.6	46.2	45.7	45.5	47.58
46.28	47.53	48.30	48.98	48.99	49.18	49.15	48.26	47.31	46.20	45.65	45.20	45.44
43.5	45.4	44.5	45.5	45.5	46.6	46.6	46.2	44.6	43.6	42.8	42.6	44.06
43.4	44.0	46.0	46.7	47.0	47.7	48.0	48.3	46.8	45.7	44.5	43.6	43.37
45.9	47.2	49.9	51.1	52.5	52.6	52.0	49.6	48.8	48.0	47.8	47.0	45.44
46.4	47.9	47.7	49.3	49.2	47.8	47.0	46.4	45.4	45.2	45.2	44.8	45.22
49.3	51.0	53.0	54.2	54.3	56.2	57.2	55.3	53.8	53.2	52.3	51.8	49.17
55.0	55.8	57.7	58.0	58.4	57.6	57.3	57.8	54.4	53.2	52.4	51.4	53.07
48.8	49.7	50.5	51.2	52.7	53.2	—	53.8	52.5	51.0	49.0	47.0	49.24
50.5	51.9	51.3	52.9	51.5	51.4	49.8	50.0	49.7	49.4	49.3	49.2	48.25
47.3	48.7	50.0	51.2	50.9	50.2	50.0	49.2	48.5	48.8	48.2	48.2	47.41
49.6	51.2	51.2	51.3	52.2	54.4	51.6	51.4	50.0	47.2	46.1	45.5	48.81
47.8	49.2	50.9	51.3	52.2	53.2	52.6	52.2	49.8	49.4	48.8	49.2	47.25
48.4	50.2	52.0	54.2	55.6	55.7	52.8	54.2	51.4	50.3	49.5	48.9	49.02
52.9	53.9	54.9	55.6	56.4	56.2	55.1	54.3	51.8	51.3	51.2	51.7	50.74
50.6	52.2	54.5	54.5	54.8	55.2	56.4	51.4	49.6	48.8	46.5	45.8	49.88
47.4	48.8	48.5	49.4	50.5	52.6	51.0	50.0	48.0	47.0	46.3	46.3	46.12
49.5	51.8	54.0	56.0	58.3	57.8	58.5	59.7	58.4	56.2	55.0	55.1	50.27
49.9	49.4	49.4	48.4	48.9	49.8	48.1	48.5	47.7	47.4	46.3	46.5	48.76
51.4	54.5	55.8	56.5	57.8	57.3	57.3	57.7	56.4	55.4	54.0	53.7	51.30
49.5	51.0	51.3	51.2	51.4	52.0	51.4	51.4	52.4	52.4	51.4	52.6	52.07
54.4	52.2	53.6	54.9	51.8	51.0	51.1	50.8	49.0	47.0	45.9	45.6	50.50
46.6	47.3	48.1	48.5	49.7	50.3	50.7	51.5	48.3	46.4	45.8	45.6	45.49
40.8	40.6	39.8	40.8	42.0	40.8	42.2	—	39.0	38.2	36.8	35.4	40.59
50.2	48.9	50.9	53.4	53.8	53.3	54.4	54.2	51.8	49.6	47.3	46.2	46.99
52.7	54.3	54.4	55.1	55.8	56.0	57.0	52.8	50.2	48.8	46.1	45.2	49.04
47.3	46.4	48.0	43.2	46.2	46.0	46.6	45.3	46.3	43.2	41.6	40.7	44.23
46.2	48.0	50.5	51.0	51.3	51.2	52.3	53.2	51.0	47.3	45.2	43.6	44.75
50.0	51.3	52.7	53.4	53.6	53.4	53.2	53.4	53.0	51.4	49.6	48.0	47.34
48.71	49.73	50.78	51.44	52.01	52.20	51.93	51.87	49.95	48.72	47.59	47.08	47.72

WET THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
NOVEMBER.	1	48°8	48°0	46°2	45°8	44°2	42°5	41°8	41°1	—	—	44°9	49°2
	2	49°5	49°4	49°2	—	—	—	—	—	—	—	—	—
	3	—	—	—	45°6	46°6	47°4	47°8	47°8	48°0	48°0	48°1	48°4
	4	44°8	44°8	45°4	44°8	45°0	45°6	45°6	46°0	a—	47°8	48°6	51°4
	5	45°0	43°0	42°2	41°2	39°4	38°8	39°4	38°3	39°2	40°4	41°4	43°8
	6	42°9	42°4	42°7	42°4	42°2	42°2	42°0	41°8	—	44°0	43°6	47°3
	7	47°0	46°4	46°4	46°2	45°2	44°5	44°5	43°2	—	43°3	42°8	44°7
	8	41°0	41°0	40°8	40°5	40°2	40°3	41°1	41°6	40°8	41°4	42°8	43°0
	9	44°3	43°1	41°7	—	—	—	—	—	—	—	—	—
	10	—	—	—	41°5	40°2	40°2	40°2	41°0	41°5	43°7	46°5	47°8
	11	46°2	46°0	45°2	44°0	43°2	43°6	43°2	42°8	—	45°6	49°0	51°8
	12	52°9	52°8	51°8	51°4	50°8	50°2	50°0	49°2	50°4	53°0	56°0	56°3
	13	51°8	49°7	48°8	46°0	46°2	46°0	46°5	47°0	48°4	50°2	51°2	51°6
	14	51°0	51°0	50°2	49°7	49°6	49°7	49°8	49°5	49°8	50°2	50°4	51°4
	15	48°3	46°4	45°2	43°5	—	43°0	42°2	41°6	42°2	43°7	42°5	41°5
	16	43°6	43°8	43°6	—	—	—	—	—	—	—	—	—
	17	—	—	—	46°2	46°4	46°7	47°1	47°2	47°4	47°8	48°2	49°8
	18	50°3	50°2	50°0	49°8	50°0	50°0	50°0	49°8	49°5	50°3	50°5	52°6
	19	52°4	49°8	47°8	46°4	46°2	46°0	45°5	45°5	46°4	48°0	50°2	51°8
	20	45°5	44°0	43°4	42°8	42°4	41°2	40°7	39°6	41°2	43°2	44°4	46°0
	21	50°2	48°7	48°2	47°7	—	47°6	47°4	48°2	48°2	48°3	49°3	51°2
	22	49°8	50°0	49°6	49°6	49°6	49°5	48°8	48°5	—	51°5	51°8	52°3
	23	50°0	49°5	50°3	—	—	—	—	—	—	—	—	—
	24	—	—	—	46°4	45°8	45°0	45°0	44°8	44°9	46°2	48°4	—
	25	52°2	52°0	52°8	52°4	—	51°8	50°6	50°4	51°8	53°2	55°8	57°8
	26	53°5	54°0	54°0	52°6	51°7	51°8	51°3	51°2	53°2	54°4	56°5	58°6
	27	56°9	57°2	55°3	55°3	56°2	57°0	56°6	55°8	55°9	56°8	57°7	59°2
	28	51°6	51°8	51°0	51°0	51°0	48°0	46°5	46°5	48°1	49°2	50°7	51°9
	29	40°2	40°0	39°5	38°2	38°3	39°1	39°3	38°8	39°2	40°8	41°0	44°0
Hourly Means	48°38	47°80	47°25	46°44	45°93	45°91	45°72	45°49	46°64	47°54	48°49	50°14	
DECEMBER.	Nov. 30	40°4	40°3	40°1	—	—	—	—	—	—	—	—	
	1	—	—	—	44°2	42°6	42°6	42°2	42°2	42°8	44°7	47°1	49°2
	2	50°1	50°5	50°8	50°8	50°3	49°1	48°4	47°9	—	51°6	53°2	54°6
	3	51°2	49°8	50°0	49°8	50°8	50°6	50°4	50°0	50°8	51°9	54°1	55°6
	4	54°0	53°0	52°8	53°4	52°5	53°5	53°5	52°0	52°3	53°3	53°7	56°5
	5	49°5	50°0	50°0	50°0	50°0	49°8	49°5	48°8	49°0	50°6	51°6	53°8
	6	59°4	58°4	58°2	58°0	—	57°6	57°0	58°2	58°4	58°0	58°4	58°3
	7	50°4	49°8	48°6	—	—	—	—	—	—	—	—	—
	8	—	—	—	52°0	52°4	52°5	52°4	51°8	51°0	51°0	52°7	53°0
	9	52°8	52°3	51°2	48°2	47°6	45°8	44°0	44°0	46°2	48°0	49°4	49°2
	10	51°2	50°8	50°8	50°6	50°0	49°0	48°4	48°2	48°7	50°3	51°3	53°9
	11	56°5	56°2	56°2	56°4	57°2	57°2	57°6	58°0	58°6	59°4	60°2	62°0
	12	48°2	46°9	47°3	46°4	46°2	—	45°0	44°2	46°1	48°0	49°7	52°4
	13	51°4	51°0	48°4	—	46°0	45°5	45°5	45°2	46°3	47°7	50°3	51°4
	14	48°2	48°0	47°5	—	—	—	—	—	—	—	—	—
	15	—	—	—	—	46°4	46°6	46°8	46°6	46°5	47°0	47°7	48°2
	16	48°2	48°6	49°2	49°6	49°5	49°2	48°4	48°6	48°5	49°6	51°2	52°4
	17	52°2	51°0	50°0	50°0	49°8	49°3	49°0	48°0	50°2	53°0	54°4	56°8
	18	54°7	—	54°4	54°7	54°0	53°5	52°4	52°2	53°5	56°0	57°5	60°0
	19	59°4	59°0	58°0	59°5	61°0	60°0	62°4	57°0	57°4	59°2	60°2	61°2
	20	47°0	47°0	46°5	46°5	46°7	45°7	45°2	44°5	45°2	46°8	49°6	49°2
	21	50°2	50°2	50°2	—	—	—	—	—	—	—	—	—
	22	—	—	—	52°2	51°5	51°5	52°0	52°2	53°8	55°8	56°5	57°9
	23	50°6	50°5	50°5	50°4	50°2	50°0	49°5	48°4	49°8	51°4	53°4	55°2
	24	54°6	54°0	53°9	b—	—	—	—	—	—	—	—	—
	25	—	—	—	59°0	58°0	57°5	57°5	57°2	57°8	61°2	63°6	62°6
	26	53°0	52°5	52°0	50°5	50°0	49°5	49°6	49°7	—	52°2	53°6	55°8
	27	54°6	54°6	54°6	54°6	54°8	55°0	55°2	55°4	55°5	55°5	54°1	55°0
	28	46°4	45°2	44°0	—	—	—	—	—	—	—	—	—
	29	—	—	—	45°8	46°0	45°9	45°4	45°6	44°8	46°3	46°0	—
	30	49°8	49°5	48°3	49°6	49°6	49°2	48°8	49°0	51°2	52°6	54°0	54°3
	31	57°8	57°0	55°8	55°0	52°2	52°2	51°8	52°0	—	—	53°3	52°7
Hourly Means	51°61	51°04	50°74	51°55	50°61	50°73	50°30	49°88	50°63	52°04	53°34	54°85	

^a Bulb dry.^b Christmas Day.

WET THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
52.2	53.0	54.8	51.4	53.3	53.0	53.3	52.3	54.0	51.6	50.7	50.2	49.20
—	—	—	—	—	—	—	—	—	—	—	—	} 49.85
51.7	52.0	52.5	53.8	56.0	54.8	53.2	54.2	52.2	49.4	46.0	44.8	
51.5	53.0	55.8	55.8	56.7	55.2	51.0	50.6	50.0	50.0	48.6	46.8	49.30
45.4	44.5	46.4	47.0	47.4	47.3	48.7	47.8	46.3	44.8	43.4	43.4	43.52
50.0	50.0	50.0	52.0	54.0	53.6	54.8	54.0	52.0	50.6	50.4	48.6	47.54
44.2	45.2	—	46.4	45.4	47.0	46.0	45.0	45.3	44.2	42.4	41.3	44.85
44.4	45.1	47.5	47.6	49.7	48.5	47.4	48.2	48.0	46.5	45.3	45.3	44.08
—	—	—	—	—	—	—	—	—	—	—	—	} 47.56
49.7	50.7	53.4	54.3	54.2	55.4	54.5	54.4	55.0	51.5	49.2	47.5	
53.7	56.0	57.4	59.1	60.8	60.3	60.2	59.7	58.7	57.0	55.8	54.2	51.89
56.0	57.2	60.2	57.4	57.4	59.4	58.0	58.4	55.8	54.4	52.5	52.6	54.34
51.8	52.0	54.7	55.1	56.0	55.5	53.5	53.0	52.0	51.0	50.5	50.0	50.77
52.0	52.3	52.7	53.8	54.4	54.7	55.0	53.4	53.8	52.8	52.6	50.8	51.69
43.6	44.2	45.2	46.8	49.2	48.5	50.8	49.8	48.0	46.0	44.4	43.8	45.23
—	—	—	—	—	—	—	—	—	—	—	—	} 48.94
49.7	50.2	51.9	51.9	52.5	52.4	51.8	52.2	51.7	51.4	50.7	50.4	
53.0	53.5	55.2	57.0	55.4	54.6	54.4	53.8	53.8	54.0	53.8	53.6	52.30
55.2	55.7	56.7	57.2	58.0	55.5	52.0	49.5	49.0	49.5	50.0	49.5	50.57
48.3	48.3	51.2	52.7	54.1	51.8	53.7	52.2	51.2	50.6	50.7	50.5	47.07
52.0	52.2	53.4	53.5	54.0	52.4	52.8	50.6	50.8	50.4	50.2	50.0	50.32
52.3	52.5	53.5	55.1	53.2	53.0	52.5	52.0	50.8	50.5	50.2	50.0	51.16
—	—	—	—	—	—	—	—	—	—	—	—	} 51.10
53.0	55.0	56.6	59.0	58.4	—	56.3	56.4	55.0	53.7	52.4	52.0	
57.9	59.3	59.7	59.4	59.0	59.0	59.5	58.0	57.0	56.0	55.0	54.0	55.42
59.5	60.7	61.4	63.6	62.7	61.0	60.4	59.7	60.4	60.7	59.0	56.9	57.03
59.8	60.0	58.6	57.0	56.4	54.4	53.8	53.0	52.6	52.2	52.0	51.4	55.88
50.3	49.2	52.0	50.6	51.0	49.5	47.6	49.5	45.5	44.3	43.2	41.5	48.81
45.0	43.4	44.8	45.6	44.2	41.4	45.1	44.4	44.6	42.3	41.7	40.2	41.71
51.29	51.81	53.57	53.72	54.14	53.26	53.05	52.48	51.74	50.62	49.63	48.77	49.61
—	—	—	—	—	—	—	—	—	—	—	—	} 47.68
49.1	50.2	52.5	53.5	55.0	55.0	55.0	53.0	52.0	50.6	50.0	50.0	
55.6	57.0	57.1	56.3	54.8	54.5	54.5	54.3	52.0	51.4	50.8	50.3	52.43
57.5	60.0	60.8	62.0	62.0	63.0	63.8	61.6	57.8	54.8	54.4	54.2	55.29
58.2	61.0	59.8	60.0	59.5	59.5	58.2	56.5	55.0	53.0	51.5	50.5	55.13
56.0	58.0	57.5	58.5	59.4	58.3	60.2	61.3	61.3	61.8	61.6	60.1	54.86
57.5	59.0	59.5	59.5	59.0	59.4	61.4	59.2	60.4	56.4	54.0	51.2	58.10
—	—	—	—	—	—	—	—	—	—	—	—	} 53.84
54.5	56.0	56.8	57.6	58.6	58.4	57.2	57.8	55.7	55.0	53.8	53.2	
49.5	51.4	52.5	53.0	54.5	55.8	55.4	57.2	56.6	54.2	53.0	51.4	50.97
54.9	55.6	55.8	58.3	58.2	62.0	61.0	61.6	61.5	59.0	58.0	57.0	54.42
63.2	61.9	56.0	56.9	55.4	53.9	55.9	54.7	54.0	51.7	50.5	49.0	56.61
54.2	55.2	55.5	57.0	57.4	57.0	57.2	54.0	54.2	52.4	52.0	51.8	51.23
51.0	51.8	52.0	52.8	53.1	51.0	50.0	52.2	50.0	49.2	49.0	48.5	49.53
—	—	—	—	—	—	—	—	—	—	—	—	} 49.73
49.5	52.0	54.0	52.5	54.0	54.5	54.7	53.2	51.8	50.2	49.0	48.8	
53.3	53.5	55.4	57.0	57.0	58.0	58.0	56.5	57.0	54.5	53.5	52.5	52.47
58.1	59.4	60.7	61.5	61.2	58.7	59.4	59.2	58.3	56.3	57.0	56.2	54.99
62.4	62.6	63.4	63.7	63.3	63.5	63.5	63.4	62.4	61.8	61.8	61.0	58.94
58.2	59.0	58.2	58.0	54.6	57.0	59.0	55.0	53.0	51.5	49.0	46.9	57.24
51.5	51.9	53.1	53.8	56.3	56.0	55.6	56.4	56.6	53.3	52.2	50.5	50.30
—	—	—	—	—	—	—	—	—	—	—	—	} 54.58
58.5	56.7	58.1	58.5	60.0	58.0	58.4	56.0	55.0	53.0	52.5	51.2	
56.0	57.3	58.5	59.0	58.9	59.5	59.7	60.3	59.6	57.3	55.2	54.7	54.41
—	—	—	—	—	—	—	—	—	—	—	—	} 59.21
62.5	62.1	64.3	62.8	62.7	62.5	62.0	60.5	60.2	56.5	55.0	53.0	
56.6	58.0	59.4	59.9	60.2	59.3	58.7	58.3	57.4	55.6	55.0	54.5	54.84
55.0	52.5	54.2	55.2	54.4	53.4	54.2	56.4	55.2	51.6	49.0	48.4	54.10
—	—	—	—	—	—	—	—	—	—	—	—	} 49.04
49.7	50.0	52.2	53.9	54.7	54.2	53.1	53.2	53.8	51.4	50.1	50.3	
55.6	57.0	58.0	59.0	59.8	59.8	56.4	58.6	58.8	58.2	57.2	57.2	54.23
53.3	54.7	56.1	54.8	57.0	57.2	57.0	58.2	58.0	55.0	54.0	52.4	54.99
55.44	56.30	56.98	57.50	57.73	57.67	57.67	57.25	56.45	54.45	53.43	52.49	53.82

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. JANUARY.	1	54	58	61	45	—	—	—	—	63	63	53	
	2	70	70	71	72	79	71	74	74	75	73	73	
	3	77	81	80	82	79	80	86	88	94	93	82	
	4	78	80	82	82	83	82	83	88	84	86	79	73
	5	90	90	94	96	93	93	91	93	94	87	94	81
	6	70	70	73	—	—	—	—	—	—	—	—	—
	7	—	—	—	—	89	93	93	91	88	91	86	89
	8	82	85	75	78	81	77	80	80	80	91	90	80
	9	83	85	—	88	93	88	91	83	88	87	85	77
	10	66	71	71	75	75	76	75	74	—	91	87	91
	11	67	66	65	68	77	77	78	86	97	93	82	81
	12	82	84	86	86	87	86	88	88	92	92	85	76
	13	78	76	72	—	—	—	—	—	—	—	—	—
	14	—	—	—	77	—	74	77	80	80	84	75	73
	15	64	65	66	69	74	76	74	78	73	81	78	60
	16	53	57	58	62	65	64	69	69	66	—	76	65
	17	76	77	84	80	71	69	74	79	76	78	77	73
	18	50	53	57	53	51	55	59	66	68	69	67	58
	19	68	65	64	66	—	73	75	76	78	81	73	64
	20	70	74	73	—	—	—	—	—	—	—	—	—
	21	—	—	—	76	81	81	81	83	—	80	72	61
	22	47	48	52	53	56	57	60	60	65	68	70	78
	23	90	96	94	88	81	80	—	84	79	78	79	76
	24	97	97	99	99	99	99	99	100	100	100	98	94
	25	91	87	85	82	82	83	71	76	73	76	74	73
	26	70	73	77	78	81	85	86	88	86	87	86	74
	27	83	82	82	—	—	—	—	—	—	—	—	—
	28	—	—	—	54	57	57	60	57	74	65	62	54
	29	49	55	52	54	56	59	72	69	70	78	72	64
	30	73	77	80	80	86	85	85	86	88	94	86	75
	31	69	74	82	86	85	86	91	88	89	91	89	81
Hourly Means	72	74	74	74	78	77	79	80	82	83	79	73	
Tension of the Vapour. JANUARY.	1	In. .290	In. .297	In. .308	In. .214	—	—	—	—	In. .250	In. .271	In. .266	
	2	.303	.303	.305	.308	.325	.304	.315	.317	.326	.323	.342	
	3	.387	.400	.395	.380	.363	.345	.349	.357	.380	.417	.432	
	4	.369	.371	.384	.390	.397	.390	.380	.380	.392	.411	.406	
	5	.392	.386	.394	.399	.377	.374	.360	.362	.371	.358	.403	
	6	.310	.305	.318	—	—	—	—	—	—	—	—	
	7	—	—	—	—	.496	.512	.512	.513	.490	.482	.449	
	8	.320	.330	.280	.282	.283	.269	.278	.267	.264	.312	.340	
	9	.338	.333	—	.343	.365	.348	.357	.327	.351	.352	.356	
	10	.318	.328	.327	.338	.338	.338	.341	.339	—	.421	.404	
	11	.435	.401	.382	.377	.401	.384	.363	.374	.421	.423	.418	
	12	.426	.429	.434	.434	.444	.430	.431	.416	.431	.462	.425	
	13	.527	.526	.514	—	—	—	—	—	—	—	—	
	14	—	—	—	.286	—	.268	.269	.264	.275	.307	.297	
	15	.292	.295	.291	.293	.309	.312	.303	.323	.328	.348	.372	
	16	.275	.279	.271	.281	.209	.277	.293	.293	.271	—	.315	
	17	.381	.367	.382	.365	.327	.319	.349	.372	.358	.366	.401	
	18	.312	.291	.290	.248	.227	.229	.237	.249	.251	.264	.282	
	19	.260	.255	.247	.241	—	.251	.250	.249	.261	.283	.292	
	20	.295	.312	.310	—	—	—	—	—	—	—	—	
	21	—	—	—	.335	.345	.345	.342	.341	—	.351	.353	
	22	.342	.332	.345	.350	.353	.350	.357	.349	.366	.382	.395	
	23	.337	.353	.351	.334	.310	.302	—	.318	.307	.305	.313	
	24	.415	.415	.427	.427	.427	.427	.430	.443	.450	.458	.476	
	25	.501	.464	.439	.397	.384	.367	.304	.312	.289	.299	.309	
	26	.302	.313	.328	.328	.336	.344	.346	.351	.346	.358	.374	
	27	.452	.438	.446	—	—	—	—	—	—	—	—	
	28	—	—	—	.229	.237	.226	.233	.215	.273	.255	.275	
	29	.213	.231	.215	.212	.205	.199	.239	.230	.227	.259	.268	
	30	.298	.302	.299	.288	.304	.301	.293	.293	.295	.333	.349	
	31	.325	.330	.354	.352	.330	.329	.346	.331	.325	.343	.363	
Hourly Means	.349	.348	.348	.324	.337	.329	.331	.330	.335	.351	.357		

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.
21	22	23	0	1	2	3	4	5	6	7	8	
45	45	43	43	45	45	49	46	56	59	62	66	53
69	63	60	59	55	52	50	49	56	64	72	73	67
77	62	58	54	59	58	54	56	51	64	72	79	73
68	70	77	62	54	59	58	72	73	76	78	86	76
80	74	71	68	67	68	72	68	73	77	75	74	82
—	—	—	—	—	—	—	—	—	—	—	—	—
92	93	94	91	93	89	89	89	88	85	81	80	87
65	76	75	69	68	65	74	66	61	66	72	76	75
75	67	61	55	52	—	53	54	52	54	55	68	72
93	93	89	88	90	88	79	73	77	68	72	71	80
76	72	69	66	65	63	59	64	65	72	82	79	74
50	61	52	51	51	49	48	48	49	59	62	72	70
—	—	—	—	—	—	—	—	—	—	—	—	—
67	65	62	66	61	68	65	65	58	58	57	64	70
56	50	43	48	44	40	36	38	38	35	45	51	58
56	53	46	44	39	45	51	57	57	66	66	72	59
64	57	42	40	43	44	41	43	39	30	42	48	60
51	47	46	63	43	56	53	64	53	42	55	60	56
55	55	59	52	48	51	51	52	43	54	60	68	62
—	—	—	—	—	—	—	—	—	—	—	—	—
55	49	46	41	34	38	40	39	42	38	34	42	58
76	72	67	67	79	81	91	88	90	91	94	90	71
76	75	68	67	66	74	75	72	72	76	88	94	79
92	93	89	82	78	78	83	84	79	83	85	88	91
70	68	69	65	69	62	59	61	56	59	64	73	72
77	70	66	68	62	56	56	62	59	65	68	79	73
—	—	—	—	—	—	—	—	—	—	—	—	—
55	48	46	43	39	36	37	28	42	38	45	48	54
53	48	50	47	49	48	48	47	51	52	62	70	57
68	62	57	53	54	51	48	53	58	59	73	75	71
69	62	51	47	53	50	49	47	49	54	62	66	70
68	65	61	59	58	58	58	59	59	61	66	71	69
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
.252	.258	.271	.289	.311	.297	.256	.289	.284	.291	.287	.297	.278
.349	.344	.349	.372	.374	.377	.361	.354	.358	.357	.380	.373	.340
.511	.423	.403	.372	.412	.417	.394	.408	.358	.366	.367	.375	.393
.421	.391	.445	.419	.382	.400	.335	.377	.366	.371	.382	.392	.390
.361	.336	.328	.329	.338	.343	.364	.329	.336	.354	.344	.330	.359
—	—	—	—	—	—	—	—	—	—	—	—	—
.421	.441	.452	.436	.453	.445	.445	.445	.397	.376	.351	.338	.426
.312	.364	.379	.372	.374	.355	.376	.361	.333	.324	.318	.326	.323
.353	.351	.352	.342	.344	—	.363	.380	.377	.332	.289	.337	.347
.438	.457	.473	.474	.506	.527	.539	.549	.602	.548	.525	.429	.434
.477	.452	.452	.449	.446	.437	.387	.396	.390	.391	.438	.414	.420
.351	.488	.475	.500	.500	.511	.506	.502	.478	.517	.506	.511	.461
—	—	—	—	—	—	—	—	—	—	—	—	—
.302	.303	.307	.324	.315	.353	.335	.332	.331	.307	.294	.372	.335
.334	.327	.287	.345	.321	.309	.288	.325	.319	.261	.273	.276	.311
.312	.322	.299	.313	.310	.331	.362	.387	.392	.428	.393	.387	.317
.440	.425	.355	.359	.377	.375	.344	.346	.328	.310	.326	.346	.365
.246	.171	.174	.330	.256	.320	.258	.318	.272	.200	.231	.244	.257
.263	.256	.303	.279	.263	.279	.285	.279	.244	.277	.282	.296	.269
—	—	—	—	—	—	—	—	—	—	—	—	—
.331	.337	.350	.361	.338	.390	.409	.395	.417	.369	.307	.322	.347
.454	.477	.419	.482	.422	.397	.415	.390	.389	.375	.374	.346	.387
.318	.338	.317	.320	.315	.353	.369	.367	.361	.364	.397	.406	.338
.485	.504	.513	.507	.510	.510	.531	.558	.512	.518	.507	.498	.476
.319	.336	.366	.359	.385	.348	.351	.343	.326	.310	.303	.321	.352
.397	.418	.408	.467	.467	.435	.429	.429	.431	.431	.425	.442	.386
—	—	—	—	—	—	—	—	—	—	—	—	—
.283	.275	.274	.271	.263	.264	.259	.184	.266	.217	.225	.224	.273
.257	.242	.267	.277	.300	.297	.304	.304	.315	.279	.289	.298	.258
.367	.367	.365	.391	.394	.362	.343	.371	.382	.348	.407	.375	.341
.401	.410	.375	.383	.457	.433	.437	.431	.446	.425	.421	.408	.381
.361	.363	.361	.375	.375	.379	.372	.376	.371	.357	.357	.359	.355

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20
Humidity of the Air. FEBRUARY.	1	70	72	76	77	82	82	81	79	77	79	66
	2	81	81	—	83	81	82	83	92	92	86	81
	3	64	67	68	—	—	—	—	—	—	—	—
	4	—	—	—	68	73	78	70	71	—	82	76
	5	82	83	84	90	90	87	94	91	90	91	84
	6	46	52	56	56	55	50	55	57	60	67	69
	7	62	64	68	67	70	72	73	71	76	74	78
	8	58	57	60	66	68	71	73	75	75	79	77
	9	70	70	73	73	73	74	74	76	76	74	74
	10	66	71	77	—	—	—	—	—	—	—	—
	11	—	—	—	74	71	73	74	77	80	86	79
	12	68	73	73	69	—	71	70	70	72	76	72
	13	72	75	76	75	75	72	71	70	67	71	64
	14	69	71	74	78	70	78	78	79	77	77	71
	15	77	79	80	84	82	76	82	82	81	82	79
	16	79	80	83	85	84	86	85	82	—	82	79
	17	57	51	47	—	—	—	—	—	—	—	—
	18	—	—	—	81	85	83	86	87	77	71	65
	19	63	59	60	63	—	—	—	—	82	90	88
	20	77	80	80	78	79	81	86	85	89	91	88
	21	81	85	84	88	73	77	75	73	77	90	82
	22	61	65	69	69	69	74	72	73	74	76	76
	23	59	62	64	65	66	68	69	68	70	74	72
	24	61	63	64	—	—	—	—	—	—	—	—
	25	—	—	—	84	75	75	77	77	76	76	82
	26	86	80	79	81	78	74	76	76	82	—	72
	27	56	58	60	62	64	64	66	63	61	63	66
	28	61	67	68	74	62	63	64	69	63	69	69
	29	69	63	64	67	70	70	72	70	71	73	75
Hourly Means	68	69	70	74	74	74	75	76	76	78	76	70
Tension of the Vapour. FEBRUARY.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
	1	.410	.400	.399	.401	.410	.410	.397	.389	.384	.389	.397
	2	.471	.451	—	.449	.400	.397	.377	.392	.385	.361	.339
	3	.261	.265	.259	—	—	—	—	—	—	—	—
	4	—	—	—	.293	.307	.325	.292	.287	—	.336	.335
	5	.374	.367	.365	.369	.366	.341	.359	.349	.340	.343	.382
	6	.315	.342	.349	.336	.328	.320	.286	.328	.343	.364	.343
	7	.242	.247	.257	.255	.260	.262	.259	.251	.259	.264	.299
	8	.264	.250	.253	.271	.271	.276	.283	.289	.292	.310	.343
	9	.302	.299	.313	.310	.310	.315	.315	.323	.318	.320	.336
	10	.317	.315	.317	—	—	—	—	—	—	—	—
	11	—	—	—	.336	.324	.321	.312	.314	.316	.346	.346
	12	.433	.446	.430	.397	—	.390	.386	.375	.374	.399	.413
	13	.481	.489	.496	.479	.467	.448	.443	.440	.423	.439	.423
	14	.488	.479	.477	.487	.459	.475	.487	.437	.417	.432	.439
	15	.494	.481	.500	.472	.442	.419	.430	.426	.407	.426	.470
	16	.498	.468	.464	.461	.452	.453	.446	.418	—	.426	.441
	17	.454	.382	.341	—	—	—	—	—	—	—	—
	18	—	—	—	.429	.442	.437	.457	.460	.401	.384	.373
	19	.319	.297	.290	.301	—	—	—	—	.339	.354	.348
	20	.331	.336	.333	.320	.304	.310	.320	.301	.309	.323	.331
	21	.271	.270	.267	.277	.234	.240	.237	.225	.233	.270	.267
	22	.257	.268	.284	.284	.282	.309	.298	.310	.315	.326	.338
	23	.279	.287	.286	.283	.288	.296	.293	.281	.289	.306	.310
	24	.290	.294	.294	—	—	—	—	—	—	—	—
	25	—	—	—	.382	.341	.332	.331	.331	.332	.326	.371
	26	.449	.405	.402	.404	.393	.376	.377	.381	.394	—	.333
	27	.256	.259	.263	.268	.274	.274	.282	.263	.246	.266	.285
	28	.252	.259	.259	.275	.233	.241	.247	.264	.241	.262	.282
29	.325	.286	.289	.300	.310	.305	.315	.307	.307	.320	.335	
Hourly Means	.353	.346	.341	.353	.343	.345	.343	.340	.333	.345	.355	.361

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.
21	22	23	0	1	2	3	4	5	6	7	8	
59	57	47	50	43	40	45	47	52	57	66	72	65
77	74	67	62	65	64	68	63	54	59	58	62	
—	—	—	—	—	—	—	—	—	—	—	—	66
66	62	61	55	47	45	55	54	63	69	73	77	
70	57	52	44	52	52	70	46	34	37	43	51	56
71	62	57	58	48	51	39	45	45	51	50	59	61
63	59	58	50	45	47	50	50	43	46	52	54	66
64	61	65	68	75	60	60	57	56	57	64	66	64
61	58	56	56	54	53	52	49	48	55	63	66	62
—	—	—	—	—	—	—	—	—	—	—	—	62
59	49	53	45	39	38	33	33	45	58	65	67	
60	54	50	43	50	49	58	53	53	54	64	69	56
54	44	43	36	35	30	36	36	39	40	51	66	63
59	49	47	41	42	43	49	49	54	62	70	73	63
58	50	37	33	29	16	16	47	58	67	78	81	63
57	40	35	30	23	22	22	23	24	29	36	48	56
—	—	—	—	—	—	—	—	—	—	—	—	57
55	51	44	42	42	35	39	34	40	39	43	54	
86	86	90	86	72	80	77	75	75	70	70	75	76
76	71	68	72	82	56	64	61	64	71	73	73	65
63	58	56	56	48	47	45	44	39	46	50	57	62
72	72	65	46	44	44	45	44	44	52	50	53	61
63	59	59	56	53	54	49	54	48	51	51	65	70
—	—	—	—	—	—	—	—	—	—	—	—	62
70	62	58	51	51	53	57	67	79	83	84	84	
59	54	51	45	42	51	44	43	42	48	55	57	55
51	51	44	41	47	42	40	49	40	48	57	57	58
60	54	45	47	42	47	49	45	44	44	51	55	61
66	63	54	52	50	45	47	48	45	52	53	56	63
64	58	54	51	49	47	48	49	49	54	59	64	63
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·400	·425	·373	·429	·398	·371	·383	·390	·377	·387	·405	·421	·397
·331	·324	·317	·298	·324	·303	·340	·330	·271	·276	·256	·260	·348
—	—	—	—	—	—	—	—	—	—	—	—	·338
·354	·341	·356	·370	·337	·339	·415	·392	·394	·393	·386	·380	
·404	·392	·401	·368	·463	·472	·595	·457	·342	·328	·343	·341	·318
·354	·328	·318	·341	·387	·314	·248	·307	·282	·273	·236	·239	·276
·298	·310	·320	·309	·286	·308	·305	·312	·247	·258	·266	·257	·312
·354	·364	·362	·370	·408	·361	·340	·300	·306	·285	·292	·294	·312
·328	·341	·349	·373	·364	·363	·365	·366	·347	·342	·346	·335	·334
—	—	—	—	—	—	—	—	—	—	—	—	·365
·363	·333	·393	·390	·375	·388	·370	·377	·439	·493	·463	·435	
·427	·406	·467	·429	·481	·457	·493	·485	·485	·442	·477	·478	·452
·438	·403	·439	·426	·456	·418	·493	·469	·476	·433	·460	·498	·472
·484	·452	·452	·451	·485	·467	·507	·490	·508	·501	·490	·501	·443
·486	·465	·406	·395	·402	·289	·276	·447	·490	·501	·506	·513	·386
·458	·371	·380	·359	·300	·308	·318	·328	·318	·336	·375	·436	·358
—	—	—	—	—	—	—	—	—	—	—	—	·321
·366	·362	·343	·334	·337	·280	·299	·269	·287	·258	·247	·278	
·349	·355	·378	·374	·315	·361	·354	·341	·341	·319	·307	·323	·256
·318	·318	·284	·279	·336	·282	·277	·258	·247	·273	·259	·247	·308
·250	·258	·265	·279	·262	·254	·276	·277	·248	·237	·236	·253	·312
·374	·400	·390	·319	·295	·281	·297	·295	·276	·300	·267	·266	·371
·327	·330	·346	·336	·354	·378	·333	·372	·319	·315	·283	·280	·334
—	—	—	—	—	—	—	—	—	—	—	—	·264
·399	·374	·393	·374	·383	·383	·388	·408	·450	·456	·452	·444	
·291	·284	·294	·296	·266	·302	·295	·301	·284	·279	·283	·271	·324
·294	·294	·273	·252	·266	·242	·243	·274	·218	·230	·251	·242	·275
·313	·310	·289	·308	·274	·291	·310	·300	·277	·269	·261	·274	·324
·348	·346	·335	·373	·365	·331	·331	·339	·322	·330	·309	·315	·348
·364	·355	·357	·353	·357	·342	·354	·355	·342	·341	·338	·343	·348

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. MARCH.	1	65	63	65	67	69	71	72	71	76	78	75	72
	2	58	59	59	—	—	—	—	—	—	—	—	—
	3	—	—	—	74	77	77	76	73	75	77	83	70
	4	63	69	68	73	77	76	77	79	83	84	81	77
	5	63	66	68	64	62	65	66	66	68	65	64	60
	6	52	50	52	57	52	57	59	59	59	60	62	66
	7	58	58	60	63	63	64	65	66	70	70	63	65
	8	63	64	66	79	—	83	89	91	91	88	89	83
	9	88	95	93	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	91	95	92	95	97	96	94	99
	11	76	73	75	78	77	78	78	80	85	88	92	84
	12	76	84	77	74	78	74	79	77	84	80	81	73
	13	76	78	78	81	74	71	67	66	69	77	87	79
	14	70	71	75	75	77	75	78	78	78	84	86	84
	15	67	68	70	70	71	65	69	69	72	75	—	71
	16	65	68	70	—	—	—	—	—	—	—	—	—
	17	—	—	—	75	78	76	71	70	70	70	71	69
	18	79	87	86	92	93	93	91	89	89	88	94	93
	19	89	88	88	83	88	92	92	92	96	100	100	97
	20	68	67	67	65	65	62	60	61	64	72	73	67
	21	53	53	48	52	48	53	47	56	57	65	67	63
	22	72	74	71	71	81	77	76	75	75	76	82	80
	23	77	77	78	—	—	—	—	—	—	—	—	—
	24	—	—	—	96	95	90	92	92	90	82	97	88
	25	90	91	91	94	91	94	96	91	97	100	100	92
	26	84	88	83	86	83	80	80	80	78	80	80	78
	27	70	73	—	74	74	81	78	77	72	70	70	80
	28	71	74	75	77	71	77	79	78	87	87	91	85
	29	72	75	80	88	85	85	88	86	90	89	86	85
	30	90	87	90	—	—	—	—	—	—	—	—	—
	31	—	—	—	88	85	77	79	75	82	84	84	77
Hourly Means	71	73	73	76	76	76	77	77	79	80	82	78	
Tension of the Vapour. MARCH.	1	In. .355	In. .333	In. .335	In. .338	In. .334	In. .328	In. .333	In. .318	In. .329	In. .337	In. .341	In. .374
	2	.300	.297	.294	—	—	—	—	—	—	—	—	—
	3	—	—	—	.237	.245	.247	.242	.232	.237	.240	.283	.262
	4	.266	.267	.251	.256	.258	.249	.252	.255	.262	.265	.280	.297
	5	.377	.381	.390	.363	.348	.356	.354	.358	.367	.361	.364	.382
	6	.252	.233	.229	.245	.218	.232	.234	.232	.232	.239	.258	.285
	7	.265	.267	.270	.280	.289	.294	.295	.302	.313	.322	.313	.374
	8	.373	.366	.371	.402	—	.397	.405	.405	.412	.397	.409	.410
	9	.407	.420	.420	—	—	—	—	—	—	—	—	—
	10	—	—	—	a	.412	.423	.401	.410	.411	.415	.405	.427
	11	.297	.275	.270	.275	.263	.259	.257	.259	.255	.267	.302	.304
	12	.288	.302	.275	.267	.277	.264	.280	.272	.293	.275	.294	.292
	13	.294	.299	.293	.294	.267	.244	.224	.212	.211	.234	.270	.278
	14	.242	.242	.254	.256	.256	.254	.261	.261	.261	.282	.296	.310
	15	.252	.254	.254	.244	.244	.222	.234	.227	.235	.244	—	.265
	16	.286	.290	.298	—	—	—	—	—	—	—	—	—
	17	—	—	—	.390	.400	.395	.377	.372	.372	.372	.374	.401
	18	.437	.440	.411	.439	.441	.441	.421	.414	.390	.373	.400	.437
	19	.473	.458	.450	.406	.410	.415	.398	.385	.399	.413	.433	.449
	20	.254	.245	.240	.229	.222	.203	.193	.196	.201	.221	.245	.252
	21	.235	.226	.197	.207	.190	.204	.178	.195	.197	.210	.220	.216
	22	.221	.226	.219	.219	.237	.231	.229	.226	.221	.227	.253	.262
	23	.286	.286	.282	—	—	—	—	—	—	—	—	—
	24	—	—	—	.316	.311	.296	.296	.296	.285	.272	.333	.342
	25	.351	.357	.357	.362	.349	.354	.353	.328	.333	.332	.335	.333
	26	.310	.317	.286	.288	.274	.260	.262	.262	.261	.274	.274	.280
	27	.292	.295	—	.300	.300	.316	.317	.325	.315	.310	.309	.351
	28	.200	.201	.204	.201	.190	.201	.205	.201	.214	.214	.223	.231
	29	.208	.215	.227	.251	.246	.246	.251	.253	.276	.303	.320	.335
	30	.382	.358	.357	—	—	—	—	—	—	—	—	—
	31	—	—	—	.283	.255	.238	.245	.235	.253	.265	.276	.269
Hourly Means	.340	.302	.297	.294	.289	.291	.288	.286	.290	.295	.312	.324	

* Observation missed in consequence of the bulb of the wet thermometer being dry.

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.
21	22	23	0	1	2	3	4	5	6	7	8	
62	52	54	42	50	47	50	56	50	51	59	57	61
—	—	—	—	—	—	—	—	—	—	—	—	60
69	62	39	47	45	40	42	39	37	44	54	65	63
66	65	55	40	36	41	43	44	50	54	52	62	55
57	51	55	43	40	37	38	38	36	43	51	48	51
61	55	46	45	43	38	38	37	39	42	47	51	55
58	53	46	30	40	37	38	42	43	49	55	57	78
81	78	73	70	70	75	73	71	74	77	86	87	93
—	—	—	—	—	—	—	—	—	—	—	—	71
91	95	92	92	95	96	96	97	96	89	80	79	72
79	71	63	56	57	56	51	48	50	63	70	74	69
70	64	59	57	57	57	61	66	70	80	77	75	71
70	72	60	61	50	54	66	61	61	62	62	69	61
90	75	63	61	53	58	62	63	57	67	63	64	63
65	60	55	54	46	47	45	44	48	55	61	64	74
—	—	—	—	—	—	—	—	—	—	—	—	77
63	59	56	57	50	48	46	48	54	58	60	66	77
84	74	65	57	44	40	37	35	45	66	82	85	61
87	61	55	59	55	54	54	57	53	58	65	73	70
58	54	50	57	56	61	54	53	57	61	61	58	59
58	57	57	59	61	56	62	62	68	69	74	73	78
69	70	73	61	61	65	61	57	59	60	67	74	81
—	—	—	—	—	—	—	—	—	—	—	—	77
73	71	63	55	53	52	58	58	68	81	93	97	77
83	75	64	60	54	57	56	60	67	73	78	86	67
78	75	75	73	70	73	69	68	65	68	73	72	74
80	64	63	61	52	50	58	67	55	52	66	63	79
90	61	58	59	77	70	65	62	68	69	74	70	77
81	76	73	65	57	53	51	66	81	88	91	95	69
—	—	—	—	—	—	—	—	—	—	—	—	77
77	75	69	74	67	57	57	62	78	83	80	78	69
73	66	61	57	55	55	55	56	59	64	68	71	69
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
.348	.338	.378	.322	.348	.372	.397	.437	.348	.318	.327	.305	.346
—	—	—	—	—	—	—	—	—	—	—	—	.268
.287	.281	.306	.266	.273	.268	.302	.277	.254	.253	.263	.283	.299
.276	.312	.325	.291	.289	.332	.363	.361	.381	.376	.338	.383	.344
.391	.382	.415	.368	.337	.304	.301	.308	.267	.253	.273	.248	.252
.272	.274	.358	.279	.265	.253	.256	.245	.235	.238	.246	.247	.328
.370	.374	.358	.328	.340	.339	.360	.378	.357	.357	.359	.359	.404
.394	.420	.404	.391	.391	.412	.418	.433	.433	.409	.422	.417	.408
—	—	—	—	—	—	—	—	—	—	—	—	.282
.421	.429	.421	.421	.423	.418	.408	.425	.428	.389	.333	.319	.297
.319	.312	.298	.283	.300	.312	.287	.259	.264	.277	.286	.300	.256
.307	.300	.283	.274	.288	.291	.325	.354	.345	.357	.325	.297	.273
.253	.287	.263	.275	.230	.239	.279	.246	.245	.239	.228	.243	.257
.357	.323	.270	.284	.251	.259	.295	.301	.256	.285	.255	.249	.388
.265	.273	.271	.290	.258	.264	.273	.269	.253	.269	.275	.286	.426
—	—	—	—	—	—	—	—	—	—	—	—	.369
.413	.416	.428	.446	.437	.424	.413	.415	.415	.401	.386	.401	.247
.459	.460	.463	.462	.406	.416	.354	.388	.394	.434	.480	.473	.216
.455	.352	.342	.310	.300	.308	.302	.315	.272	.270	.265	.278	.254
.236	.242	.229	.251	.253	.286	.284	.291	.297	.293	.290	.274	.328
.206	.213	.222	.222	.239	.231	.239	.233	.234	.225	.231	.223	.329
.246	.254	.286	.266	.278	.309	.302	.294	.287	.263	.265	.281	.291
—	—	—	—	—	—	—	—	—	—	—	—	.275
.410	.342	.346	.342	.346	.338	.360	.364	.332	.348	.365	.370	.210
.327	.347	.300	.302	.286	.305	.302	.305	.311	.318	.311	.326	.319
.296	.289	.300	.304	.298	.318	.313	.314	.300	.302	.313	.304	.291
.357	.300	.286	.281	.226	.219	.228	.249	.194	.170	.198	.185	.275
.254	.188	.197	.183	.245	.232	.234	.205	.201	.199	.213	.204	.210
.364	.371	.389	.374	.354	.349	.328	.364	.400	.413	.405	.415	.319
—	—	—	—	—	—	—	—	—	—	—	—	.284
.280	.297	.284	.315	.308	.282	.271	.268	.288	.283	.262	.259	.306
.329	.322	.324	.313	.306	.311	.315	.319	.307	.305	.304	.305	.306

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. APRIL.	1	68	82	79	82	80	83	82	78	84	85	85	83
	2	72	76	78	78	81	81	84	88	90	84	88	93
	3	89	88	—	93	88	88	89	93	87	94	98	100
	4	87	85	88	88	—	93	94	87	—	97	100	98
	5	76	80	81	83	80	75	69	72	69	73	73	72
	6	69	70	72	—	—	—	—	—	—	—	—	—
	7	—	—	—	79	81	78	79	82	84	83	93	90
	8	77	90	86	89	92	94	94	94	85	93	98	98
	9	85	91	95	95	92	88	90	91	91	90	98	95
	10	86	80	84	86	88	88	84	78	77	75	78	77
	11	69	68	72	71	71	76	78	84	84	84	96	95
	12	72	74	77	80	84	—	—	—	85	88	88	91
	13	73	78	78	—	—	—	—	—	—	—	—	—
	14	—	—	—	94	88	94	88	96	96	94	100	92
	15	87	92	88	91	85	86	93	91	—	91	88	91
	16	93	93	92	90	100	100	96	96	94	94	98	98
	17	90	96	89	90	91	88	88	88	82	82	88	77
	18	75	76	79	81	83	83	81	83	84	86	83	84
	19	77	82	83	88	91	93	88	88	90	88	88	78
	20	—	84	75	—	—	—	—	—	—	—	—	—
	21	—	—	—	73	82	82	82	82	84	82	84	88
	22	93	97	93	90	92	94	95	97	96	96	96	100
	23	94	98	98	93	90	90	86	91	88	91	87	97
	24	75	74	69	68	80	70	73	72	75	73	79	82
	25	69	70	72	75	78	73	74	76	79	80	96	81
	26	85	93	93	91	96	93	85	85	86	86	91	94
	27	73	73	75	—	—	—	—	—	—	—	—	—
	28	—	—	—	82	85	86	85	85	84	87	87	93
	29	78	80	80	80	78	77	79	85	85	86	94	96
	30	78	80	84	88	82	81	88	84	90	86	88	87
	Hourly Means	79	78	82	84	85	85	85	86	85	86	90	90
Tension of the Vapour. APRIL.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
	1	.214	.250	.240	.246	.238	.246	.241	.227	.242	.243	.244	.243
	2	.221	.222	.227	.227	.232	.226	.229	.236	.240	.227	.242	.266
	3	.293	.282	—	.290	.249	.236	.237	.234	.218	.234	.245	.245
	4	.260	.246	.249	.236	—	.242	.244	.224	—	.245	.254	.269
	5	.308	.307	.305	.288	.278	.255	.230	.230	.215	.218	.228	.235
	6	.200	.204	.210	—	—	—	—	—	—	—	—	—
	7	—	—	—	.234	.237	.225	.214	.217	.215	.209	.224	.246
	8	.242	.266	.253	.249	.250	.252	.250	.245	.231	.238	.247	.264
	9	.295	.302	.308	.308	.295	.282	.283	.282	.284	.276	.300	.324
	10	.349	.310	.307	.315	.309	.310	.304	.291	.289	.281	.288	.297
	11	.313	.290	.292	.273	.263	.259	.257	.267	.265	.265	.306	.327
	12	.281	.281	.287	.291	.304	—	—	—	.272	.275	.277	.315
	13	.249	.261	.259	—	—	—	—	—	—	—	—	—
	14	—	—	—	.309	.282	.287	.273	.288	.291	.292	.314	.301
	15	.276	.297	.279	.280	.254	.246	.266	.265	—	.265	.260	.278
	16	.285	.281	.273	.258	.278	.285	.280	.280	.273	.273	.278	.290
	17	.301	.322	.293	.285	.278	.267	.267	.267	.248	.239	.258	.245
	18	.228	.222	.223	.226	.228	.230	.226	.228	.231	.235	.231	.247
	19	.242	.250	.250	.267	.273	.280	.273	.273	.278	.273	.282	.266
	20	—	.263	.235	—	—	—	—	—	—	—	—	—
	21	—	—	—	.228	.272	.269	.272	.269	.274	.269	.276	.298
	22	.334	.341	.318	.306	.302	.306	.308	.320	.312	.312	.312	.330
	23	.280	.288	.285	.274	.263	.264	.246	.258	.242	.243	.234	.268
	24	.275	.264	.240	.232	.250	.229	.234	.228	.230	.211	.220	.250
	25	.230	.236	.242	.254	.262	.256	.258	.270	.274	.277	.303	.299
	26	.347	.362	.360	.349	.364	.350	.315	.301	.297	.296	.312	.322
	27	.219	.217	.217	—	—	—	—	—	—	—	—	—
	28	—	—	—	.207	.217	.214	.213	.219	.215	.222	.222	.254
	29	.275	.281	.280	.275	.266	.256	.252	.249	.253	.239	.257	.292
	30	.255	.241	.242	.263	.246	.237	.249	.242	.257	.251	.258	.282
Hourly Means	.260	.273	.267	.268	.268	.260	.257	.256	.256	.254	.264	.279	

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.
21	22	23	0	1	2	3	4	5	6	7	8	
77	70	67	68	63	55	34	57	61	66	70	72	72
90	80	72	65	72	74	76	71	85	84	89	89	81
90	80	69	65	62	58	66	63	68	69	74	80	80
93	88	57	68	65	64	65	76	66	74	78	75	81
73	61	68	62	66	62	69	61	62	63	66	75	70
—	—	—	—	—	—	—	—	—	—	—	—	76
88	83	75	67	—	60	62	62	72	73	76	80	83
89	86	77	73	64	63	67	65	70	84	78	84	81
81	68	71	63	58	56	63	64	72	75	81	85	77
75	73	78	69	71	73	72	67	67	74	74	68	72
89	89	85	60	53	53	53	52	53	58	68	72	72
80	67	62	56	52	68	57	57	66	64	73	73	86
—	—	—	—	—	—	—	—	—	—	—	—	82
100	98	88	81	83	80	68	73	76	82	83	80	82
89	89	82	76	64	68	71	65	75	73	78	85	92
93	92	81	86	90	82	82	90	88	95	91	97	78
75	71	77	62	65	60	61	63	61	67	79	79	79
72	74	71	70	66	78	72	73	83	77	86	88	80
75	74	76	75	75	67	71	74	74	77	79	74	74
—	—	—	—	—	—	—	—	—	—	—	—	87
85	81	75	69	64	62	63	21	43	74	85	88	81
95	86	79	73	68	68	71	76	81	83	89	91	68
88	94	82	72	58	60	61	52	55	63	71	82	70
73	68	68	60	57	55	51	55	63	63	66	68	88
78	77	74	64	58	53	52	55	59	62	66	63	78
89	93	83	88	90	86	85	84	88	90	75	75	77
—	—	—	—	—	—	—	—	—	—	—	—	76
88	84	77	66	65	65	65	65	69	75	75	78	84
92	78	74	66	61	62	60	62	66	72	74	77	81
81	77	70	63	65	57	58	63	66	67	72	72	68
84	80	74	69	66	65	64	64	69	73	77	79	79
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·236	·243	·240	·265	·255	·221	·158	·229	·219	·221	·227	·221	·234
·293	·298	·281	·268	·289	·294	·297	·273	·304	·293	·309	·309	·263
·287	·294	·281	·280	·281	·259	·299	·274	·262	·248	·247	·257	·262
·287	·320	·248	·308	·306	·303	·303	·335	·297	·317	·317	·306	·278
·250	·219	·231	·221	·214	·218	·234	·207	·200	·195	·198	·216	·237
—	—	—	—	—	—	—	—	—	—	—	—	·250
·265	·288	·292	·288	—	·282	·301	·280	·298	·281	·270	·269	·286
·290	·320	·325	·336	·336	·338	·361	·328	·319	·310	·305	·310	·318
·320	·299	·348	·350	·345	·336	·353	·340	·356	·343	·354	·355	·328
·303	·315	·356	·346	·348	·379	·391	·371	·344	·359	·366	·332	·289
·334	·366	·368	·317	·282	·290	·290	·264	·251	·250	·273	·281	·277
·316	·301	·304	·282	·252	·323	·267	·253	·271	·244	·265	·262	·293
—	—	—	—	—	—	—	—	—	—	—	—	·280
·332	·335	·317	·305	·327	·307	·281	·301	·294	·296	·283	·260	·298
·290	·314	·324	·318	·277	·296	·301	·274	·300	·265	·260	·325	·261
·287	·315	·291	·315	·339	·326	·321	·340	·320	·330	·312	·325	·244
·252	·244	·279	·242	·274	·236	·244	·230	·214	·213	·234	·232	·244
·228	·253	·253	·256	·254	·303	·267	·259	·274	·240	·257	·263	·266
·272	·278	·291	·286	·287	·249	·260	·267	·251	·252	·255	·238	·279
—	—	—	—	—	—	—	—	—	—	—	—	·313
·306	·330	·332	·331	·315	·310	·295	·093	·185	·309	·341	·334	·286
·340	·329	·319	·320	·310	·310	·318	·310	·308	·291	·290	·278	·240
·273	·351	·354	·361	·307	·305	·308	·279	·279	·294	·287	·310	·294
·247	·254	·260	·255	·251	·246	·223	·221	·241	·233	·236	·231	·319
·323	·334	·345	·343	·338	·322	·317	·310	·317	·316	·327	·298	·255
·316	·351	·327	·340	·338	·326	·317	·310	·314	·278	·237	·226	·275
—	—	—	—	—	—	—	—	—	—	—	—	·269
·273	·299	·297	·282	·300	·303	·303	·292	·284	·284	·280	·280	·277
·306	·299	·315	·309	·302	·298	·282	·275	·268	·268	·258	·252	·275
·286	·302	·297	·280	·312	·285	·282	·294	·279	·270	·268	·270	·269
·289	·302	·303	·300	·298	·295	·291	·277	·279	·277	·279	·276	·277

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. MAY.	1	74	74	76	78	—	77	77	75	76	78	77	79
	2	87	90	90	88	82	82	89	91	86	88	90	100
	3	83	84	86	82	80	77	82	82	—	83	88	90
	4	73	73	73	—	—	—	—	—	—	—	—	—
	5	—	—	—	93	94	91	91	92	93	95	98	100
	6	81	81	89	94	86	88	88	89	91	86	88	88
	7	75	73	71	72	72	76	75	75	75	75	76	81
	8	71	77	82	98	96	92	90	90	90	92	92	92
	9	88	84	87	87	86	86	89	90	89	85	90	91
	10	71	75	74	78	80	78	73	77	80	88	85	91
	11	98	98	98	—	—	—	—	—	—	—	—	—
	12	—	—	—	96	95	97	98	97	99	100	100	100
	13	100	100	93	97	97	100	97	93	94	96	100	100
	14	81	80	78	78	73	71	74	78	78	77	81	88
	15	85	86	85	81	79	79	77	74	75	75	83	88
	16	77	75	80	80	76	76	82	75	75	77	77	82
	17	75	76	76	85	90	87	87	87	87	87	87	82
	18	80	86	80	—	—	—	—	—	—	—	—	—
	19	—	—	—	76	77	76	76	76	74	76	76	76
	20	71	70	70	73	77	77	78	79	77	79	79	81
	21	83	83	84	86	80	70	84	83	—	83	87	85
	22	78	77	78	87	83	88	90	84	83	88	84	87
	23	95	93	96	90	91	94	98	94	94	94	100	100
	24	100	100	100	100	94	94	94	100	100	97	98	100
	25	90	94	90	—	—	—	—	—	—	—	—	—
	26	—	—	—	94	94	96	98	98	99	100	100	100
	27	96	98	100	100	97	97	93	96	96	96	96	100
	28	94	94	93	92	92	88	85	87	89	85	93	93
	29	87	84	84	87	86	87	89	92	93	86	85	83
	30	79	83	83	80	73	73	75	75	73	72	76	80
	31	75	76	76	74	74	74	76	77	82	79	87	93
Hourly Means	83	84	84	86	85	84	85	85	86	86	88	90	
Tension of the Vapour. MAY.	1	In. ·273	In. ·268	In. ·273	In. ·275	In. —	In. ·278	In. ·283	In. ·281	In. ·288	In. ·299	In. ·302	In. ·316
	2	·342	·346	·344	·337	·321	·310	·317	·312	·292	·284	·285	·343
	3	·286	·280	·286	·268	·260	·249	·253	·248	—	·232	·238	·266
	4	·278	·275	·278	—	—	—	—	—	—	—	—	—
	5	—	—	—	·380	·377	·363	·363	·328	·286	·319	·316	·332
	6	·316	·320	·312	·333	·320	·314	·309	·308	·320	·309	·317	·334
	7	·323	·315	·307	·308	·311	·329	·326	·326	·332	·332	·335	·342
	8	·251	·247	·241	·280	·302	·296	·287	·294	·296	·303	·306	·311
	9	·348	·327	·332	·332	·328	·310	·312	·309	·320	·300	·308	·312
	10	·327	·329	·315	·323	·331	·334	·310	·302	·294	·318	·301	·346
	11	·381	·390	·384	—	—	—	—	—	—	—	—	—
	12	—	—	—	·356	·344	·347	·349	·341	·350	·356	·374	·372
	13	·384	·375	·350	·353	·340	·346	·327	·310	·303	·303	·308	·308
	14	·281	·296	·288	·277	·256	·244	·251	·273	·272	·269	·288	·306
	15	·332	·343	·341	·333	·325	·321	·313	·303	·306	·306	·327	·343
	16	·218	·206	·206	·206	·196	·196	·213	·194	·198	·205	·205	·220
	17	·220	·218	·212	·227	·232	·222	·218	·222	·216	·216	·217	·198
	18	·186	·195	·187	—	—	—	—	—	—	—	—	—
	19	—	—	—	·273	·272	·267	·261	·259	·258	·267	·272	·272
	20	·267	·257	·249	·254	·266	·266	·269	·270	·261	·267	·263	·291
	21	·280	·280	·282	·285	·269	·236	·265	·264	—	·255	·264	·274
	22	·282	·270	·255	·267	·259	·279	·278	·274	·257	·279	·269	·275
	23	·313	·301	·306	·273	·261	·268	·271	·252	·244	·238	·248	·251
	24	·272	·281	·285	·285	·266	·252	·248	·254	·252	·245	·247	·258
	25	·248	·250	·252	—	—	—	—	—	—	—	—	—
	26	—	—	—	·276	·277	·283	·288	·290	·290	·295	·302	·302
	27	·283	·275	·276	·269	·251	·243	·237	·220	·221	·217	·209	·226
	28	·252	·246	·238	·230	·226	·216	·205	·204	·209	·199	·214	·220
	29	·224	·215	·213	·222	·225	·228	·235	·242	·257	·246	·249	·257
	30	·260	·266	266	·262	·238	·234	·240	·242	·240	·239	·246	·262
	31	·225	·229	·232	·228	·237	·237	·246	·261	·282	·280	·316	·320
Hourly Means	·283	·281	·278	·286	·270	·276	·277	·273	·272	·273	·279	·290	

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.
21	22	23	0	1	2	3	4	5	6	7	8	
77	73	66	65	59	66	64	75	71	77	83	83	74
93	78	71	68	59	62	62	68	67	71	77	79	80
84	83	77	71	67	65	67	69	67	70	73	75	78
—	—	—	—	—	—	—	—	—	—	—	—	85
98	94	82	80	66	62	74	75	77	85	85	87	
87	85	79	69	72	70	72	71	71	76	76	79	81
82	70	67	59	63	63	63	62	65	72	69	65	71
91	86	83	77	74	72	76	75	77	78	81	86	84
91	86	85	81	79	70	69	68	69	67	71	73	82
83	79	76	69	69	60	64	81	89	89	90	100	79
—	—	—	—	—	—	—	—	—	—	—	—	97
97	97	97	88	96	97	99	96	94	96	99	100	
100	100	98	100	94	93	93	94	86	86	86	84	95
85	90	86	85	86	90	86	88	81	79	85	85	82
82	73	67	67	71	67	67	72	73	75	80	81	77
80	88	84	80	80	72	67	70	85	83	90	75	79
97	89	91	96	92	91	100	80	83	92	88	74	87
—	—	—	—	—	—	—	—	—	—	—	—	73
81	80	81	73	60	60	64	70	65	61	64	68	
80	73	71	71	66	64	64	67	73	75	78	84	74
83	78	78	73	68	69	63	63	65	68	73	76	77
90	86	88	75	69	80	85	90	92	89	93	97	85
100	100	94	92	84	85	76	80	89	91	92	94	92
100	94	93	84	78	78	76	75	78	85	91	93	92
—	—	—	—	—	—	—	—	—	—	—	—	97
100	100	100	96	95	99	100	100	96	100	100	100	
100	94	84	82	80	70	78	80	87	84	87	100	91
85	80	77	73	68	66	62	64	74	76	79	87	82
82	75	70	72	72	75	70	73	74	78	80	78	81
76	74	76	76	72	66	62	65	70	69	73	76	74
97	100	75	60	55	60	62	53	63	65	69	72	74
89	85	81	77	74	73	73	75	77	79	82	83	82
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·320	·350	·344	·346	·314	·362	·333	·356	·327	·340	·353	·341	·314
·346	·331	·328	·394	·323	·332	·325	·336	·288	·287	·280	·274	·320
·265	·288	·302	·301	·304	·303	·308	·322	·294	·289	·292	·292	·279
—	—	—	—	—	—	—	—	—	—	—	—	·334
·345	·360	·351	·348	·318	·314	·349	·338	·340	·359	·350	·355	
·352	·362	·384	·362	·377	·375	·377	·370	·354	·361	·344	·343	·341
·390	·380	·391	·359	·373	·348	·336	·301	·286	·298	·266	·243	·327
·318	·323	·333	·340	·349	·353	·360	·346	·335	·327	·330	·339	·311
·325	·329	·353	·357	·371	·358	·343	·337	·337	·326	·334	·333	·331
·344	·366	·399	·398	·366	·365	·356	·384	·389	·363	·346	·369	·345
—	—	—	—	—	—	—	—	—	—	—	—	·377
·375	·385	·402	·390	·406	·410	·423	·412	·396	·370	·369	·370	
·324	·338	·352	·381	·374	·374	·376	·373	·340	·329	·328	·320	·342
·315	·343	·346	·355	·370	·392	·384	·387	·342	·319	·336	·336	·314
·318	·278	·257	·243	·259	·245	·238	·239	·228	·219	·229	·232	·287
·227	·258	·274	·278	·294	·281	·256	·255	·277	·264	·281	·232	·235
·235	·219	·209	·223	·224	·218	·238	·196	·197	·210	·198	·177	·215
—	—	—	—	—	—	—	—	—	—	—	—	·269
·286	·305	·328	·324	·282	·278	·292	·302	·283	·266	·272	·273	
·307	·301	·309	·328	·324	·306	·297	·294	·292	·284	·272	·282	·282
·291	·293	·325	·320	·317	·325	·301	·283	·274	·282	·283	·286	·284
·306	·301	·345	·226	·307	·330	·336	·343	·342	·325	·332	·326	·294
·274	·293	·304	·322	·315	·333	·299	·294	·296	·284	·272	·261	·282
·281	·294	·317	·315	·305	·314	·305	·280	·261	·265	·272	·271	·276
—	—	—	—	—	—	—	—	—	—	—	—	·295
·302	·311	·320	·322	·313	·320	·319	·318	·303	·302	·300	·308	
·246	·250	·244	·250	·260	·239	·261	·261	·265	·242	·242	·272	·248
·231	·225	·223	·223	·218	·212	·208	·196	·213	·212	·213	·224	·219
·272	·270	·255	·263	·270	·284	·254	·256	·251	·259	·264	·259	·249
·267	·273	·286	·299	·286	·268	·260	·280	·289	·248	·256	·259	·261
·333	·368	·309	·250	·223	·233	·228	·185	·206	·211	·221	·228	·254
·303	·311	·318	·315	·313	·314	·310	·305	·296	·290	·290	·290	·292

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. JUNE.	1	79	81	83	—	—	—	—	—	—	—	—	
	2	—	—	—	75	69	72	71	67	67	68	74	77
	3	80	77	77	80	79	82	85	84	82	85	85	76
	4	77	78	78	79	79	81	81	76	73	74	74	75
	5	78	80	77	78	79	79	77	78	85	81	82	84
	6	75	76	76	74	74	74	76	77	82	79	87	93
	7	73	75	79	80	83	79	79	79	82	85	87	87
	8	81	81	81	—	—	—	—	—	—	—	—	—
	9	—	—	—	79	76	76	81	85	86	87	84	86
	10	75	78	84	86	81	91	92	88	90	94	92	100
	11	91	92	94	94	96	94	90	92	96	96	100	99
	12	94	94	90	94	94	97	96	94	94	94	94	94
	13	89	92	96	93	91	91	93	93	93	93	93	93
	14	96	98	98	94	94	92	94	98	—	—	98	99
	15	90	86	88	—	—	—	—	—	—	—	—	—
	16	—	—	—	87	83	88	94	93	89	87	89	89
	17	84	84	81	91	87	91	96	96	98	98	98	92
	18	78	78	81	81	81	81	82	80	89	86	93	92
	19	75	73	76	71	84	88	84	84	—	96	94	96
	20	91	95	99	100	94	96	94	95	95	98	91	71
	21	94	87	82	81	—	89	83	84	84	80	83	88
	22	85	87	82	—	—	—	—	—	—	—	—	—
	23	—	—	—	90	83	81	81	84	87	86	92	97
	24	77	75	84	82	79	79	82	84	86	86	91	92
	25	94	98	91	97	98	100	100	98	98	97	96	91
	26	92	85	91	96	94	92	91	91	93	88	94	100
	27	98	95	93	95	95	—	—	100	97	100	99	100
	28	95	98	100	100	100	95	98	95	100	99	100	98
	29	98	100	94	—	—	—	—	—	—	—	—	—
	30	—	—	—	90	92	90	89	90	92	92	85	86
	Hourly Means	86	86	86	87	86	87	88	87	80	89	90	90
Tension of the Vapour. JUNE.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
	1	·300	·293	·286	—	—	—	—	—	—	—	—	
	2	—	—	—	·292	·261	·268	·263	·256	·257	·259	·275	·294
	3	·275	·258	·253	·258	·253	·257	·262	·257	·244	·251	·251	·235
	4	·275	·277	·275	·278	·280	·287	·297	·288	·281	·281	·285	·292
	5	·242	·238	·229	·223	·218	·220	·216	·217	·237	·224	·225	·235
	6	·225	·229	·232	·228	·237	·237	·246	·261	·282	·280	·316	·320
	7	·225	·230	·239	·250	·262	·252	·252	·252	·260	·268	·272	·274
	8	·333	·328	·328	—	—	—	—	—	—	—	—	—
	9	—	—	—	·236	·220	·214	·220	·227	·233	·234	·227	·235
	10	·230	·230	·235	·237	·214	·220	·222	·206	·207	·210	·204	·234
	11	·223	·222	·225	·220	·221	·218	·203	·204	·211	·211	·222	·217
	12	·261	·261	·243	·252	·250	·253	·253	·250	·250	·248	·248	·248
	13	·215	·215	·227	·224	·223	·223	·228	·230	·232	·230	·232	·236
	14	·222	·223	·223	·214	·210	·199	·199	·203	—	—	·208	·206
	15	·252	·244	·242	—	—	—	—	—	—	—	—	—
	16	—	—	—	·222	·207	·205	·218	·222	·215	·212	·215	·211
	17	·250	·242	·218	·227	·210	·211	·221	·226	·229	·229	·227	·210
	18	·227	·223	·232	·238	·228	·218	·212	·200	·210	·202	·210	·209
	19	·196	·189	·196	·188	·227	·240	·223	·221	—	·234	·230	·234
	20	·185	·192	·197	·199	·186	·193	·184	·186	·184	·194	·180	·150
	21	·212	·204	·198	·207	—	·249	·241	·237	·233	·229	·233	·247
	22	·272	·280	·272	—	—	—	—	—	—	—	—	—
	23	—	—	—	·273	·243	·241	·230	·225	·224	·214	·229	·241
	24	·178	·176	·184	·181	·172	·173	·184	·180	·187	·187	·194	·217
	25	·225	·251	·239	·253	·262	·268	·276	·271	·269	·263	·261	·250
	26	·315	·290	·305	·312	·303	·294	·281	·274	·276	·252	·252	·263
	27	·288	·269	·259	·261	·247	—	·236	·224	·219	·212	·204	·214
	28	·218	·219	·225	·222	·227	·212	·214	·205	·216	·217	·221	·219
	29	·223	·219	·213	—	—	—	—	—	—	—	—	—
	30	—	—	—	·214	·218	·212	·210	·212	·217	·217	·199	·202
Hourly Means	·243	·240	·239	·236	·232	·232	·232	·229	·234	·232	·233	·236	

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.
21	22	23	0	1	2	3	4	5	6	7	8	
—	—	—	—	—	—	—	—	—	—	—	—	72
83	85	77	63	60	53	51	59	71	78	79	78	76
82	80	72	69	66	65	69	70	73	74	72	72	72
69	66	62	61	71	64	61	64	67	67	73	77	76
83	77	75	69	70	69	67	68	69	74	73	73	78
97	100	75	60	55	60	62	53	63	65	69	72	80
87	78	81	74	76	79	77	73	73	76	79	85	78
—	—	—	—	—	—	—	—	—	—	—	—	86
88	80	71	71	72	68	70	71	73	77	72	73	93
100	94	88	81	74	79	81	80	87	82	86	87	90
100	94	100	90	85	80	88	87	86	91	94	97	89
100	88	78	80	79	86	85	88	82	88	92	85	91
91	90	88	93	80	83	78	77	83	91	91	92	90
100	97	91	88	85	80	80	79	81	82	85	97	89
—	—	—	—	—	—	—	—	—	—	—	—	91
96	94	93	92	91	84	91	84	90	90	98	83	86
98	100	100	92	93	95	86	81	80	—	69	72	83
91	89	84	93	69	64	72	72	78	78	77	75	81
99	92	82	87	85	93	82	84	88	90	91	86	86
79	71	65	65	73	63	58	71	78	83	87	86	83
83	88	90	80	78	78	74	75	77	77	79	79	82
—	—	—	—	—	—	—	—	—	—	—	—	84
87	84	84	79	86	85	79	87	77	77	77	90	86
84	86	87	80	91	88	90	91	96	93	96	92	96
97	99	100	100	97	93	97	95	99	95	93	90	93
100	100	93	89	90	89	88	90	99	98	95	96	94
100	100	98	96	94	81	80	81	88	90	93	96	95
98	95	95	97	90	87	86	85	85	89	95	100	86
—	—	—	—	—	—	—	—	—	—	—	—	86
87	85	82	81	73	75	75	77	79	85	86	87	85
91	88	84	81	79	78	77	78	81	83	84	85	85
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
—	—	—	—	—	—	—	—	—	—	—	—	290
·333	·347	·352	·320	·317	·281	·273	·286	·312	·293	·278	·275	259
·253	·269	·267	·263	·263	·255	·263	·263	·269	·270	·262	·262	277
·294	·291	·307	·310	·321	·274	·265	·247	·240	·234	·236	·240	233
·246	·245	·247	·237	·244	·252	·244	·236	·230	·237	·222	·219	254
·333	·368	·309	·250	·223	·233	·228	·185	·206	·211	·221	·228	278
·279	·261	·288	·281	·297	·322	·325	·310	·307	·312	·322	·333	252
—	—	—	—	—	—	—	—	—	—	—	—	244
·256	·269	·259	·265	·270	·259	·257	·251	·241	·238	·223	·225	239
·256	·280	·282	·285	·270	·280	·285	·275	·270	·241	·239	·232	258
·232	·242	·269	·268	·274	·258	·279	·267	·255	·261	·264	·269	239
·278	·258	·261	·275	·278	·307	·287	·282	·248	·247	·236	·213	239
·239	·248	·258	·290	·266	·280	·266	·249	·239	·239	·227	·219	229
·226	·231	·239	·256	·262	·259	·260	·248	·237	·222	·227	·260	234
—	—	—	—	—	—	—	—	—	—	—	—	247
·229	·234	·242	·247	·255	·243	·261	·242	·248	·243	·271	·243	216
·233	·258	·288	·284	·301	·316	·297	·286	·279	—	·216	·216	248
·213	·219	·225	·263	·218	·208	·216	·206	·210	·204	·200	·194	177
·252	·252	·216	·234	·219	·226	·202	·193	·199	·198	·193	·182	240
·164	·164	·148	·156	·186	·157	·147	·169	·170	·178	·189	·189	231
·240	·258	·270	·260	·256	·261	·247	·247	·244	·242	·253	·248	210
—	—	—	—	—	—	—	—	—	—	—	—	288
·226	·221	·231	·224	·241	·232	·215	·226	·198	·188	·188	·212	248
·208	·222	·239	·237	·258	·240	·240	·235	·244	·237	·236	·233	223
·265	·292	·312	·338	·338	·332	·333	·331	·334	·331	·316	·309	213
·274	·295	·299	·302	·304	·310	·290	·292	·304	·297	·286	·288	245
·226	·251	·266	·277	·282	·259	·254	·247	·251	·240	·230	·228	223
·225	·229	·241	·255	·245	·242	·235	·220	·207	·204	·208	·221	213
—	—	—	—	—	—	—	—	—	—	—	—	243
·210	·217	·219	·228	·215	·221	·219	·218	·202	·207	·200	·197	243
·248	·257	·261	·264	·264	·260	·255	·248	·246	·240	·238	·237	243

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. JULY.	1	91	94	91	93	94	93	91	91	91	88	92	96
	2	98	98	98	100	100	98	100	100	100	100	100	100
	3	100	100	100	100	98	100	100	100	100	100	100	100
	4	91	100	97	—	97	97	—	100	97	98	94	97
	5	90	88	92	88	88	91	94	90	—	90	79	80
	6	80	82	82	—	—	—	—	—	—	—	—	—
	7	—	—	—	86	89	89	92	94	89	90	94	90
	8	77	81	82	85	85	82	87	90	86	84	88	93
	9	83	90	88	82	94	94	93	94	93	91	94	100
	10	100	95	98	95	100	100	98	98	96	96	95	98
	11	93	96	96	95	96	96	98	100	100	100	98	100
	12	98	98	96	95	96	100	100	100	—	100	100	100
	13	100	98	98	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	95	95	92	94	94	97	97	97
	15	90	91	97	97	98	98	98	100	97	94	97	100
	16	96	94	94	93	97	97	97	98	98	98	96	98
	17	92	95	98	100	100	100	100	100	100	100	100	100
	18	98	100	100	94	98	—	—	100	100	100	98	100
	19	98	98	100	100	100	98	96	99	100	100	100	100
	20	96	94	91	—	—	—	—	—	—	—	—	—
	21	—	—	—	96	96	94	96	90	—	94	94	98
	22	91	93	89	91	93	97	94	91	89	89	94	98
	23	93	97	94	98	97	97	97	97	94	84	94	91
	24	79	82	82	82	89	86	90	90	92	92	94	96
	25	82	80	86	86	87	88	89	90	88	87	90	98
	26	90	80	94	94	91	87	89	89	91	87	87	94
	27	93	93	91	—	—	—	—	—	—	—	—	—
	28	—	—	—	95	94	95	96	95	95	94	95	96
	29	91	98	98	98	93	93	93	93	93	96	95	100
	30	98	100	100	100	99	98	100	98	97	97	100	100
	31	89	91	91	93	96	96	92	94	94	94	94	98
Hourly Means	92	93	93	93	95	95	95	95	95	94	95	97	
Tension of the Vapour. JULY.	1	In. .196	In. .205	In. .196	In. .199	In. .210	In. .210	In. .201	In. .198	In. .193	In. .183	In. .184	In. .196
	2	.324	.324	.324	.330	.332	.321	.335	.335	.338	.332	.330	.324
	3	.332	.332	.324	.320	.305	.300	.293	.285	.285	.285	.278	.274
	4	.235	.248	.237	—	.233	.231	—	.228	.221	.219	.210	.209
	5	.263	.254	.261	.251	.251	.254	.262	.250	—	.243	.211	.206
	6	.188	.193	.191	—	—	—	—	—	—	—	—	—
	7	—	—	—	.285	.301	.309	.311	.311	.275	.266	.271	.263
	8	.201	.210	.212	.217	.217	.212	.224	.237	.231	.227	.232	.246
	9	.228	.237	.228	.208	.228	.218	.210	.206	.197	.190	.192	.205
	10	.288	.273	.275	.264	.278	.278	.280	.280	.278	.276	.268	.275
	11	.275	.278	.283	.277	.273	.276	.275	.281	.281	.278	.271	.278
	12	.285	.288	.292	.292	.295	.297	.293	.293	.293	.293	.293	.293
	13	.316	.308	.305	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	.252	.252	.240	.242	.240	.237	.239	.239
	15	.229	.220	.225	.221	.229	.231	.233	.236	.229	.214	.213	.220
	16	.262	.255	.250	.240	.245	.245	.249	.251	.255	.255	.264	.273
	17	.272	.277	.282	.285	.281	.285	.282	.282	.282	.282	.278	.276
	18	.247	.248	.252	.230	.231	—	—	.222	.220	.224	.223	.240
	19	.219	.213	.220	.222	.220	.213	.206	.212	.209	.209	.213	.216
	20	.200	.198	.196	—	—	—	—	—	—	—	—	—
	21	—	—	—	.208	.202	.193	.195	.175	—	.182	.182	.198
	22	.233	.228	.215	.209	.214	.221	.220	.215	.207	.199	.208	.225
	23	.226	.227	.214	.223	.219	.217	.219	.219	.214	.195	.214	.215
	24	.188	.190	.188	.186	.191	.183	.187	.187	.190	.186	.190	.204
	25	.230	.225	.242	.244	.246	.254	.258	.266	.263	.248	.245	.269
	26	.227	.204	.232	.236	.227	.216	.219	.219	.223	.214	.208	.220
	27	.222	.216	.207	—	—	—	—	—	—	—	—	—
	28	—	—	—	.270	.268	.273	.273	.270	.273	.266	.268	.276
	29	.233	.241	.249	.253	.246	.248	.248	.248	.248	.255	.250	.267
	30	.280	.285	.283	.278	.269	.249	.248	.237	.231	.223	.228	.234
	31	.205	.201	.196	.193	.200	.202	.184	.184	.180	.178	.174	.179
Hourly Means	.245	.244	.244	.246	.247	.246	.246	.243	.240	.236	.235	.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.
21	22	23	0	1	2	3	4	5	6	7	8	
100	99	93	90	—	98	100	95	93	94	95	97	94
100	100	98	93	91	91	88	90	90	95	98	100	97
100	97	93	86	90	84	80	85	89	95	92	91	95
100	98	94	93	98	84	84	85	85	86	93	91	93
73	73	75	72	82	72	73	69	76	79	79	82	82
—	—	—	—	—	—	—	—	—	—	—	—	82
87	84	84	75	69	73	69	68	68	71	75	80	82
88	83	79	78	74	72	72	73	75	79	82	88	82
100	100	100	100	100	100	86	87	87	87	91	90	93
100	100	100	100	90	87	86	86	84	86	84	92	94
100	100	100	100	100	100	100	98	94	96	100	96	98
98	97	97	98	100	98	98	97	98	100	100	100	98
—	—	—	—	—	—	—	—	—	—	—	—	94
98	97	98	100	92	93	85	87	87	92	92	94	94
100	100	100	95	94	89	77	87	92	90	93	94	94
98	96	95	95	86	85	89	78	84	90	96	96	93
100	97	93	89	90	86	89	89	89	90	95	95	95
100	98	94	90	90	95	89	88	90	85	93	93	95
100	100	93	88	84	75	76	85	84	86	96	96	94
—	—	—	—	—	—	—	—	—	—	—	—	92
97	82	84	84	90	83	85	87	92	96	95	93	92
98	91	92	86	83	83	85	92	94	92	95	97	92
98	94	89	89	86	77	75	70	69	73	76	75	88
97	91	86	77	79	70	74	77	79	79	80	82	84
80	68	67	—	65	68	68	73	77	82	81	82	81
98	90	90	83	67	81	80	77	80	81	86	94	87
—	—	—	—	—	—	—	—	—	—	—	—	91
98	95	86	84	84	82	84	86	89	83	92	88	94
100	96	94	94	97	89	85	84	100	95	96	96	94
100	93	84	83	78	73	74	76	75	79	85	89	91
99	94	87	82	77	76	76	75	75	82	87	93	89
97	93	91	89	86	84	82	83	85	87	90	91	91
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·218	·238	·248	·254	—	·299	·319	·319	·310	·314	·313	·314	·240
·343	·352	·369	·356	·354	·360	·343	·340	·325	·335	·340	·338	·338
·285	·303	·310	·301	·323	·304	·290	·293	·290	·292	·265	·254	·297
·228	·237	·246	·257	·278	·259	·255	·251	·245	·237	·248	·252	·239
·183	·189	·198	·189	·206	·189	·187	·172	·183	·186	·186	·190	·216
—	—	—	—	—	—	—	—	—	—	—	—	·244
·251	·262	·267	·247	·223	·235	·218	·203	·189	·190	·200	·210	·244
·256	·263	·268	·277	·273	·263	·262	·251	·242	·239	·230	·245	·239
·207	·222	·232	·258	·278	·272	·246	·255	·251	·251	·254	·260	·231
·283	·293	·324	·324	·325	·320	·315	·312	·291	·285	·267	·275	·289
·283	·285	·291	·297	·311	·316	·316	·308	·287	·288	·297	·283	·287
·311	·314	·322	·340	·341	·335	·329	·319	·321	·324	·324	·321	·209
—	—	—	—	—	—	—	—	—	—	—	—	·262
·247	·251	·269	·293	·280	·294	·260	·260	·251	·254	·254	·244	·262
·238	·248	·285	·283	·281	·275	·242	·251	·263	·252	·257	·259	·213
·285	·295	·313	·304	·290	·293	·257	·274	·275	·273	·286	·286	·270
·297	·314	·316	·314	·320	·304	·310	·293	·277	·259	·270	·248	·287
·258	·266	·268	·266	·270	·290	·273	·258	·325	·217	·220	·214	·248
·234	·250	·246	·228	·213	·192	·202	·199	·188	·187	·202	·196	·213
—	—	—	—	—	—	—	—	—	—	—	—	·217
·219	·200	·211	·223	·252	·246	·249	·251	·256	·264	·252	·246	·217
·245	·243	·274	·270	·272	·283	·279	·282	·281	·264	·255	·243	·241
·257	·273	·273	·282	·270	·229	·219	·196	·184	·183	·186	·181	·222
·221	·231	·237	·229	·243	·216	·219	·220	·223	·223	·227	·230	·208
·243	·222	·228	—	·235	·251	·238	·242	·238	·228	·212	·216	·241
·247	·250	·266	·263	·224	·281	·280	·261	·245	·224	223	·236	·235
—	—	—	—	—	—	—	—	—	—	—	—	·274
·297	·313	·298	·304	·313	·310	·310	·307	·293	·257	·259	·240	·274
·278	·288	·298	·306	·327	·312	·298	·286	·311	·287	·288	·280	·273
·260	·257	·246	·257	·257	·245	·241	·239	·219	·211	·207	·207	·245
·203	·216	·224	·224	·229	·242	·242	·233	·213	·212	·231	·214	·207
·255	·262	·271	·275	·276	·275	·267	·262	·258	·249	·250	·247	·252

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. AUGUST.	1	93	93	93	93	93	89	89	91	93	94	93	98
	2	90	93	91	89	91	97	97	93	96	98	96	98
	3	100	100	100	—	—	—	—	—	—	—	—	—
	4	—	—	—	87	92	88	91	93	94	94	94	100
	5	90	94	94	94	94	100	97	100	100	100	100	100
	6	83	78	76	78	78	81	79	81	83	84	88	88
	7	76	80	80	80	78	79	81	80	89	93	94	98
	8	90	90	90	91	93	93	91	97	94	93	94	95
	9	89	95	96	99	98	100	98	98	90	98	98	99
	10	92	95	95	—	—	—	—	—	—	—	—	—
	11	—	—	—	96	98	98	96	96	100	98	94	100
	12	95	95	94	94	95	96	98	95	92	94	94	99
	13	96	98	100	94	97	81	91	91	94	94	97	100
	14	94	96	95	100	—	100	100	100	97	95	98	85
	15	72	79	71	73	73	75	73	77	82	—	86	86
	16	95	93	93	99	100	98	98	94	93	94	100	100
	17	95	98	85	—	—	—	—	—	—	—	—	—
	18	—	—	—	98	100	100	98	96	90	92	100	100
	19	96	—	88	81	83	84	75	76	81	80	82	83
	20	82	79	77	80	86	85	84	82	79	79	82	76
	21	82	84	85	87	90	86	86	86	87	90	95	98
	22	79	80	82	85	82	82	78	80	82	82	84	83
	23	75	75	75	78	80	78	80	82	82	81	87	93
	24	84	84	85	—	—	—	—	—	—	—	—	—
	25	—	—	—	85	83	85	87	84	89	—	94	93
	26	91	87	92	92	96	91	91	85	87	93	98	98
	27	88	90	—	98	94	93	97	94	93	93	93	98
	28	88	94	91	85	90	91	93	94	97	94	97	100
	29	96	88	88	91	94	99	93	100	98	100	98	91
	30	79	78	75	83	78	75	77	79	79	73	80	85
	Hourly Means	88	89	88	89	89	89	89	89	90	91	93	94
Tension of the Vapour. AUGUST.	1	In. .214	In. .212	In. .204	In. .210	In. .206	In. .199	In. .194	In. .196	In. .196	In. .197	In. .193	In. .210
	2	.235	.238	.225	.217	.209	.215	.209	.196	.202	.203	.202	.204
	3	.291	.293	.288	—	—	—	—	—	—	—	—	—
	4	—	—	—	.264	.278	.249	.250	.248	.245	.242	.234	.252
	5	.248	.248	.240	.230	.224	.240	.235	.244	.248	.252	.252	.256
	6	.234	.219	.214	.217	.213	.216	.213	.216	.218	.223	.232	.238
	7	.199	.204	.200	.200	.195	.194	.194	.181	.190	.195	.201	.223
	8	.241	.243	.245	.245	.248	.248	.241	.249	.244	.236	.242	.240
	9	.263	.277	.276	.280	.273	.276	.269	.269	.243	.255	.260	.270
	10	.259	.259	.257	—	—	—	—	—	—	—	—	—
	11	—	—	—	.276	.278	.275	.271	.269	.274	.269	.248	.272
	12	.270	.268	.262	.259	.270	.273	.269	.261	.256	.259	.257	.273
	13	.260	.262	.265	.238	.237	.194	.217	.209	.210	.206	.209	.232
	14	.261	.271	.264	.276	—	.285	.300	.324	.303	.277	.282	.262
	15	.154	.173	.155	.162	.165	.174	.173	.178	.188	—	.195	.202
	16	.240	.228	.220	.228	.236	.235	.235	.224	.212	.210	.211	.232
	17	.264	.266	.246	—	—	—	—	—	—	—	—	—
	18	—	—	—	.280	.283	.285	.280	.276	.263	.268	.285	.288
	19	.273	—	.240	.218	.224	.225	.205	.210	.224	.225	.230	.234
	20	.244	.232	.222	.221	.227	.221	.219	.212	.205	.205	.210	.210
	21	.248	.248	.249	.248	.266	.268	.268	.272	.262	.261	.273	.282
	22	.205	.204	.206	.209	.204	.204	.197	.200	.204	.206	.211	.224
	23	.200	.196	.194	.199	.200	.195	.196	.200	.200	.194	.212	.236
	24	.252	.252	.253	—	—	—	—	—	—	—	—	—
	25	—	—	—	.215	.207	.205	.206	.195	.201	—	.210	.234
	26	.282	.257	.261	.254	.267	.245	.235	.213	.208	.218	.231	.245
	27	.234	.231	—	.253	.248	.244	.249	.246	.242	.242	.242	.262
	28	.254	.266	.261	.233	.235	.233	.232	.228	.229	.228	.237	.272
	29	.278	.251	.240	.239	.244	.249	.238	.258	.257	.274	.271	.259
	30	.211	.207	.202	.220	.211	.200	.203	.207	.202	.183	.206	.221
	Hourly Means	.243	.240	.236	.234	.234	.233	.231	.230	.228	.230	.232	.244

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.
21	22	23	0	1	2	3	4	5	6	7	8	
98	95	94	83	76	73	75	77	75	84	88	88	88
98	100	100	100	99	97	95	97	95	98	100	98	96
—	—	—	—	—	—	—	—	—	—	—	—	89
96	96	91	90	81	73	74	81	80	80	83	90	89
100	100	95	86	95	93	88	86	91	87	77	83	93
80	77	87	86	73	74	88	85	83	76	83	77	81
94	91	80	73	77	73	73	76	82	86	88	88	83
95	92	80	83	83	83	83	75	86	91	92	94	89
98	94	88	87	87	82	80	97	94	94	92	88	93
—	—	—	—	—	—	—	—	—	—	—	—	92
100	94	88	80	73	75	75	88	88	89	94	95	92
96	99	98	84	82	77	81	81	82	86	88	88	91
100	94	87	78	71	69	77	71	77	82	87	88	88
100	91	88	87	87	86	89	84	94	82	78	76	91
83	88	86	82	80	78	81	89	87	92	94	93	82
98	96	89	83	79	81	81	85	88	89	92	96	92
—	—	—	—	—	—	—	—	—	—	—	—	92
96	95	89	86	89	92	84	80	81	84	90	94	81
85	90	86	79	79	76	75	75	72	74	78	82	76
76	77	70	70	67	66	63	67	67	75	—	80	82
94	82	80	74	69	70	64	79	73	75	75	76	82
76	75	74	71	67	66	66	63	65	70	76	72	76
85	78	73	74	78	74	80	81	77	78	82	83	80
—	—	—	—	—	—	—	—	—	—	—	—	82
90	87	81	71	73	70	69	74	74	81	86	86	85
96	90	83	77	72	66	60	67	71	75	87	85	85
93	94	86	65	59	70	74	71	82	75	84	80	85
96	86	82	76	65	63	70	63	76	85	91	88	86
94	78	64	64	63	74	80	87	82	88	76	74	86
86	79	74	67	67	70	68	64	67	76	82	82	76
92	89	84	79	77	76	77	79	80	83	86	86	86
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
.227	.242	.268	.274	.277	.272	.278	.270	.244	.246	.240	.234	.229
.213	.238	.250	.274	.296	.311	.308	.316	.303	.305	.311	.297	.249
—	—	—	—	—	—	—	—	—	—	—	—	.274
.255	.288	.299	.325	.319	.295	.294	.305	.280	.267	.260	.263	.264
.265	.297	.311	.301	.335	.319	.298	.279	.282	.264	.231	.243	.232
.238	.236	.264	.274	.249	.259	.257	.260	.243	.216	.224	.203	.216
.232	.245	.229	.212	.236	.232	.232	.228	.235	.237	.240	.240	.256
.255	.256	.278	.263	.274	.274	.280	.247	.272	.276	.275	.278	.283
.282	.295	.300	.312	.320	.310	.285	.336	.311	.298	.280	.260	.276
—	—	—	—	—	—	—	—	—	—	—	—	.272
.288	.298	.295	.296	.275	.281	.272	.303	.287	.275	.278	.277	.272
.278	.307	.324	.304	.305	.267	.275	.275	.257	.262	.254	.245	.241
.246	.257	.264	.261	.249	.246	.267	.248	.246	.250	.257	.256	.242
.238	.254	.232	.220	.204	.196	.205	.197	.206	.175	.166	.161	.213
.203	.228	.239	.244	.245	.249	.262	.277	.264	.261	.259	.246	.247
.249	.264	.267	.267	.266	.275	.277	.276	.272	.265	.265	.276	.280
—	—	—	—	—	—	—	—	—	—	—	—	.252
.290	.292	.298	.288	.293	.315	.302	.283	.267	.269	.276	.275	.228
.237	.263	.298	.302	.310	.305	.283	.280	.261	.247	.249	.244	.251
.218	.236	.227	.232	.236	.248	.240	.254	.236	.247	—	.245	.210
.266	.250	.255	.247	.245	.256	.243	.269	.223	.219	.209	.204	.224
.216	.224	.234	.229	.224	.226	.224	.205	.193	.196	.206	.193	.249
.235	.245	.232	.237	.245	.231	.245	.260	.254	.249	.256	.255	.249
—	—	—	—	—	—	—	—	—	—	—	—	.249
.248	.267	.285	.263	.281	.278	.279	.283	.265	.278	.285	.274	.249
.260	.266	.272	.278	.276	.263	.244	.252	.244	.237	.231	.237	.258
.273	.290	.293	.247	.234	.275	.289	.267	.321	.244	.262	.241	.266
.297	.288	.310	.318	.289	.274	.286	.260	.281	.298	.301	.276	.248
.275	.252	.214	.229	.239	.256	.258	.260	.241	.251	.210	.201	.224
.242	.241	.241	.236	.238	.257	.255	.241	.236	.242	.241	.232	.248
.251	.262	.268	.267	.268	.268	.267	.267	.259	.253	.251	.244	.248

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.
21	22	23	0	1	2	3	4	5	6	7	8	
—	—	—	—	—	—	—	—	—	—	—	—	80
88	82	74	69	63	57	67	61	68	71	80	84	83
94	86	76	70	65	61	61	67	75	81	85	77	69
76	74	70	65	54	49	49	47	51	58	62	63	82
86	97	82	82	77	72	71	64	65	73	75	80	78
87	78	75	75	62	64	63	57	72	69	79	77	70
77	75	70	68	58	59	55	43	54	62	69	71	72
—	—	—	—	—	—	—	—	—	—	—	—	70
63	62	63	59	54	55	52	59	76	70	70	80	70
83	64	65	57	51	47	48	52	56	55	58	66	70
80	73	62	49	47	46	47	53	53	57	69	75	70
67	63	52	64	67	67	68	70	71	74	72	76	78
83	74	68	57	60	64	61	69	74	75	78	80	80
80	81	72	72	64	64	65	72	71	73	74	78	87
—	—	—	—	—	—	—	—	—	—	—	—	100
98	93	82	86	77	73	71	78	82	87	93	96	97
100	100	100	100	100	100	100	100	95	100	100	100	92
96	96	96	95	94	97	92	97	95	95	96	96	96
100	95	94	86	84	81	85	81	83	86	87	92	96
100	100	98	94	97	91	91	91	88	84	93	98	85
80	81	75	76	69	69	61	79	80	74	81	80	82
—	—	—	—	—	—	—	—	—	—	—	—	81
90	84	84	79	76	76	67	65	67	71	81	83	86
86	79	72	67	73	75	85	81	96	89	91	94	82
92	84	82	72	67	72	73	69	75	73	86	79	77
93	85	76	74	70	63	61	63	65	69	72	78	86
75	77	65	64	63	67	68	67	74	74	80	84	98
90	80	74	78	75	76	73	69	77	81	88	90	95
—	—	—	—	—	—	—	—	—	—	—	—	83
95	97	98	100	100	100	100	100	100	95	100	100	83
97	100	99	100	98	94	95	99	99	96	99	96	83
87	83	78	75	72	71	70	71	75	77	81	84	83
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
—	—	—	—	—	—	—	—	—	—	—	—	·258
·281	·290	·283	·284	·280	·268	·299	·261	·265	·263	·283	·293	·271
·283	·296	·288	·286	·286	·278	·281	·294	·297	·294	·290	·252	·238
·254	·273	·286	·283	·256	·243	·243	·223	·223	·241	·251	·247	·258
·279	·316	·307	·310	·280	·259	·262	·227	·208	·214	·213	·217	·237
·251	·255	·267	·286	·255	·272	·274	·240	·284	·239	·258	·246	·228
·275	·297	·310	·299	·225	·231	·224	·164	·187	·203	·209	·208	·273
—	—	—	—	—	—	—	—	—	—	—	—	·199
·268	·272	·289	·285	·272	·269	·255	·259	·294	·248	·240	·252	·229
·237	·208	·222	·211	·198	·185	·179	·187	·195	·177	·167	·179	·224
·260	·284	·266	·244	·239	·245	·244	·258	·240	·242	·270	·270	·223
·226	·228	·203	·233	·249	·249	·251	·251	·244	·237	·214	·216	·254
·237	·239	·243	·218	·233	·258	·250	·262	·253	·244	·245	·250	·292
·264	·271	·259	·268	·238	·241	·252	·265	·246	·245	·237	·236	·350
—	—	—	—	—	—	—	—	—	—	—	—	·302
·335	·342	·312	·338	·325	·321	·312	·323	·316	·323	·330	·336	·278
·350	·350	·352	·359	·364	·362	·357	·350	·342	·342	·335	·330	·301
·298	·300	·305	·302	·310	·323	·306	·311	·294	·288	·289	·286	·302
·295	·289	·288	·273	·272	·274	·283	·267	·268	·270	·274	·280	·278
·312	·324	·330	·314	·335	·327	·317	·323	·293	·285	·325	·298	·301
·253	·272	·267	·287	·271	·272	·249	·286	·280	·252	·265	·260	·258
—	—	—	—	—	—	—	—	—	—	—	—	·277
·318	·324	·310	·394	·282	·283	·261	·252	·252	·250	·265	·265	·262
·285	·290	·278	·275	·312	·300	·336	·305	·310	·306	·306	·314	·301
·316	·317	·336	·328	·327	·355	·353	·313	·296	·267	·295	·272	·302
·339	·327	·326	·336	·326	·309	·303	·307	·286	·279	·274	·272	·279
·270	·303	·278	·292	·300	·320	·325	·307	·318	·298	·296	·299	·307
·326	·326	·330	·375	·354	·372	·369	·323	·335	·333	·337	·333	·359
—	—	—	—	—	—	—	—	—	—	—	—	·318
·345	·358	·360	·373	·374	·374	·374	·374	·358	·354	·355	·355	·273
·339	·333	·329	·326	·323	·307	·313	·321	·313	·304	·301	·296	·273
·288	·296	·293	·299	·288	·288	·287	·279	·277	·269	·274	·272	·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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. OCTOBER.	1	100	100	100	100	100	98	92	91	91	88	93	92
	2	82	79	77	82	78	76	76	77	—	81	81	79
	3	88	90	91	96	95	88	95	97	98	100	100	91
	4	83	80	80	83	—	82	88	88	88	91	98	89
	5	98	96	96	—	—	—	—	—	—	—	—	—
	6	—	—	—	86	91	88	87	90	92	96	89	81
	7	73	75	78	78	79	—	82	82	85	91	84	86
	8	91	93	91	93	97	92	71	74	68	70	73	64
	9	49	52	52	53	68	69	70	71	74	77	87	78
	10	93	92	91	92	92	91	90	90	91	94	92	83
	11	89	82	88	94	95	96	96	94	97	100	93	91
	12	74	78	83	—	—	—	—	—	—	—	—	—
	13	—	—	—	84	87	86	92	93	98	100	100	86
	14	88	90	86	86	88	91	95	96	95	100	88	81
	15	86	87	89	94	97	—	92	92	93	92	97	86
	16	90	91	73	77	74	75	80	79	79	81	81	86
	17	69	74	71	69	73	74	74	75	82	77	77	70
	18	79	81	86	89	92	83	77	77	76	72	74	72
	19	67	68	78	—	—	—	—	—	—	—	—	—
	20	—	—	—	73	72	71	72	77	78	80	78	69
	21	92	89	78	77	80	81	80	78	77	75	76	77
	22	72	72	81	79	77	68	63	79	74	64	61	62
	23	96	100	93	98	68	72	72	74	78	81	90	65
	24	63	65	70	72	73	73	74	74	79	80	76	63
	25	67	70	70	70	—	73	76	76	76	71	69	61
	26	77	71	77	—	—	—	—	—	—	—	—	—
	27	—	—	—	77	77	77	78	78	78	80	74	75
	28	55	60	63	66	66	65	65	67	69	61	55	49
	29	64	69	70	69	69	67	72	73	74	77	78	63
	30	55	60	64	68	67	69	69	69	72	76	70	62
	31	56	59	62	67	68	69	68	75	87	83	72	64
Hourly Means	78	79	79	80	81	79	79	81	83	83	82	75	
Tension of the Vapour. OCTOBER.	1	In. .300	In. .300	In. .300	In. .293	In. .285	In. .278	In. .271	In. .247	In. .243	In. .232	In. .250	In. .261
	2	.239	.227	.222	.226	.217	.204	.204	.205	—	.210	.218	.223
	3	.254	.252	.247	.253	.250	.228	.238	.237	.241	.246	.278	.282
	4	.280	.264	.264	.263	—	.246	.251	.240	.230	.239	.278	.277
	5	.292	.288	.286	—	—	—	—	—	—	—	—	—
	6	—	—	—	.270	.282	.276	.267	.266	.262	.280	.290	.294
	7	.321	.320	.323	.320	.325	—	.316	.312	.309	.328	.327	.340
	8	.354	.359	.349	.345	.347	.322	.248	.241	.231	.232	.267	.254
	9	.216	.215	.215	.206	.245	.247	.244	.248	.251	.254	.292	.304
	10	.326	.319	.300	.298	.298	.294	.271	.261	.255	.267	.282	.280
	11	.310	.285	.299	.313	.313	.316	.316	.306	.314	.320	.318	.337
	12	.255	.263	.281	—	—	—	—	—	—	—	—	—
	13	—	—	—	.260	.248	.245	.256	.254	.263	.268	.302	.292
	14	.322	.325	.298	.282	.283	.283	.288	.285	.275	.295	.281	.287
	15	.306	.302	.293	.310	.323	—	.298	.289	.286	.302	.347	.346
	16	.360	.366	.301	.280	.270	.272	.280	.275	.269	.281	.288	.317
	17	.241	.253	.234	.218	.225	.226	.226	.226	.246	.242	.252	.237
	18	.266	.266	.274	.277	.284	.257	.242	.240	.239	.232	.249	.268
	19	.344	.340	.356	—	—	—	—	—	—	—	—	—
	20	—	—	—	.284	.276	.263	.265	.267	.275	.288	.302	.287
	21	.298	.279	.249	.254	.267	.283	.288	.288	.286	.284	.297	.317
	22	.357	.371	.387	.389	.383	.359	.322	.355	.303	.255	.250	.266
	23	.438	.439	.403	.393	.268	.268	.262	.259	.263	.285	.354	.334
	24	.217	.213	.227	.219	.221	.216	.215	.215	.223	.243	.254	.247
	25	.241	.242	.229	.223	—	.213	.213	.211	.202	.195	.197	.182
	26	.174	.166	.178	—	—	—	—	—	—	—	—	—
	27	—	—	—	.254	.249	.252	.252	.252	.259	.267	.266	.290
	28	.214	.225	.226	.223	.229	.227	.219	.234	.242	.243	.248	.251
	29	.227	.239	.234	.221	.216	.211	.217	.221	.226	.231	.261	.244
	30	.171	.185	.189	.191	.188	.190	.190	.188	.195	.216	.227	.224
	31	.194	.196	.193	.203	.198	.205	.195	.217	.258	.260	.260	.264
Hourly Means	.278	.278	.272	.269	.268	.256	.254	.253	.256	.259	.275	.278	

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.
21	22	23	0	1	2	3	4	5	6	7	8	
90	86	73	80	80	79	75	78	74	73	77	79	87
82	74	75	72	71	71	68	69	73	78	81	84	77
89	86	78	68	70	70	64	68	69	80	92	86	85
78	73	71	87	84	80	77	81	83	88	95	96	84
—	—	—	—	—	—	—	—	—	—	—	—	76
75	70	67	59	55	57	53	45	51	60	65	69	70
87	69	65	59	54	49	46	47	40	35	84	85	64
62	59	50	46	43	38	—	37	38	41	43	41	69
65	60	54	63	53	62	70	76	82	89	93	93	80
75	70	62	58	59	56	55	60	75	84	86	88	79
81	74	61	52	53	63	52	57	69	68	70	71	78
—	—	—	—	—	—	—	—	—	—	—	—	80
75	69	62	62	61	62	61	61	64	75	82	88	83
75	70	66	65	59	59	59	68	73	82	86	86	72
82	80	78	75	72	68	66	66	67	80	85	88	67
83	75	70	60	62	58	60	54	54	65	63	68	67
68	64	51	52	52	55	48	60	60	64	75	79	67
65	57	52	52	50	45	46	48	52	51	56	65	67
—	—	—	—	—	—	—	—	—	—	—	—	78
69	75	78	86	87	93	84	84	81	84	84	92	67
73	69	60	52	47	43	42	45	44	50	56	65	61
58	58	50	42	40	38	35	40	51	57	64	75	68
61	51	54	60	46	44	46	44	49	55	60	67	62
57	57	57	52	53	47	45	47	41	50	55	60	68
61	61	46	64	67	61	51	—	69	83	74	71	62
—	—	—	—	—	—	—	—	—	—	—	—	54
69	55	61	47	42	40	40	40	36	43	45	49	58
46	41	38	37	39	40	48	44	49	58	57	62	57
66	55	55	41	42	38	38	32	38	39	47	51	65
63	54	54	47	40	45	43	46	37	40	47	51	—
62	55	56	54	52	58	61	60	63	62	69	73	—
71	65	61	59	57	56	55	56	59	64	70	73	71
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·263	·274	·245	·267	·267	·278	·270	·269	·247	·234	·236	·236	·264
·250	·241	·264	·265	·263	·273	·268	·273	·267	·263	·260	·252	·241
·287	·296	·311	·305	·325	·325	·306	·287	·282	·294	·315	·296	·276
·272	·281	·273	·323	·315	·291	·278	·278	·269	·276	·289	·288	·272
—	—	—	—	—	—	—	—	—	—	—	—	·297
·300	·310	·327	·320	·310	·339	·342	·294	·291	·309	·312	·316	·331
·400	·369	·384	·373	·363	·337	·321	·333	·261	·228	·356	·344	·269
·264	·259	·253	·246	·251	·241	—	·247	·235	·230	·217	·196	·274
·291	·294	·272	·313	·275	·293	·295	·309	·319	·326	·333	·331	·286
·275	·282	·278	·282	·279	·265	·262	·263	·290	·312	·309	·311	·298
·314	·320	·290	·267	·281	·334	·270	·280	·296	·261	·254	·249	·282
—	—	—	—	—	—	—	—	—	—	—	—	·306
·281	·284	·286	·292	·303	·317	·303	·303	·280	·303	·307	·324	·329
·289	·301	·312	·338	·338	·340	·302	·345	·318	·326	·323	·315	·300
·357	·367	·377	·379	·384	·371	·351	·341	·311	·333	·342	·253	·300
·333	·335	·354	·326	·338	·331	·350	·272	·254	·272	·242	·245	·248
·265	·269	·235	·246	·258	·289	·253	·276	·250	·252	·267	·275	·292
·280	·285	·299	·325	·350	·326	·337	·363	·354	·320	·326	·349	·296
—	—	—	—	—	—	—	—	—	—	—	—	·303
·293	·300	·308	·309	·318	·339	·302	·307	·294	·293	·283	·201	·299
·318	·352	·345	·332	·333	·308	·307	·325	·300	·309	·312	·334	·297
·262	·279	·261	·237	·230	·231	·215	·230	·276	·294	·297	·336	·297
·334	·269	·303	·335	·255	·243	·249	·237	·237	·229	·230	·241	·230
·232	·238	·247	·239	·256	·244	·241	·255	·206	·213	·220	·227	·199
·188	·186	·150	·193	·211	·188	·180	—	·190	·206	·182	·167	·244
—	—	—	—	—	—	—	—	—	—	—	—	·246
·299	·248	·285	·274	·264	·250	·264	·258	·219	·220	·205	·209	·208
·264	·266	·252	·261	·274	·282	·322	·257	·247	·255	·226	·228	·214
·257	·224	·240	·160	·188	·174	·180	·148	·181	·155	·165	·166	·255
·240	·237	·264	·249	·231	·246	·250	·268	·215	·190	·192	·190	—
·278	·274	·292	·297	·293	·307	·312	·313	·316	·219	·290	·281	—
·285	·283	·285	·287	·287	·287	·282	·282	·267	·264	·270	·265	·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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. NOVEMBER.	1	82	80	75	79	78	82	86	86	—	—	91	95
	2	70	73	74	—	—	—	—	—	—	—	—	—
	3	—	—	—	71	79	88	91	94	95	95	94	94
	4	63	66	71	69	70	71	71	74	—	72	64	59
	5	68	63	67	72	48	22	27	22	57	83	77	78
	6	63	69	73	73	73	74	75	74	—	81	74	77
	7	58	71	71	74	74	70	77	74	—	73	65	71
	8	65	68	69	71	72	75	80	82	80	80	70	63
	9	71	70	73	—	—	—	—	—	—	—	—	—
	10	—	—	—	82	73	86	90	97	91	94	85	73
	11	75	79	77	85	82	89	88	87	—	91	86	78
	12	44	47	45	46	47	46	53	49	63	69	75	68
	13	78	75	82	68	64	64	71	69	65	68	73	63
	14	87	87	91	93	91	97	88	86	88	93	93	97
	15	75	67	70	67	—	—	68	77	76	75	62	52
	16	76	81	80	—	—	—	—	—	—	—	—	—
	17	—	—	—	71	74	77	80	81	84	85	84	88
	18	94	96	97	97	98	100	98	100	100	97	93	97
	19	92	79	75	75	75	78	77	77	85	94	79	75
	20	76	70	72	76	77	76	81	79	90	92	77	67
	21	86	84	85	86	—	88	89	92	92	92	92	88
	22	95	97	94	97	97	97	95	95	—	96	90	86
	23	84	84	90	—	—	—	—	—	—	—	—	—
	24	—	—	—	88	89	89	92	94	95	85	88	—
	25	89	89	92	89	—	89	90	93	97	88	86	78
	26	86	88	88	85	89	94	93	98	97	99	88	78
	27	68	77	76	82	87	91	91	90	92	88	83	79
	28	88	86	86	88	87	70	63	65	77	73	75	79
	29	72	70	76	74	80	82	75	71	82	86	78	78
Hourly Means	76	77	78	78	77	79	80	80	84	85	81	78	
Tension of the Vapour. NOVEMBER.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
	1	.310	.294	.264	.269	.249	.241	.242	.233	—	—	.278	.338
	2	.292	.298	.294	—	—	—	—	—	—	—	—	—
	3	—	—	—	.251	.278	.300	.312	.317	.322	.322	.320	.325
	4	.226	.234	.246	.239	.244	.249	.249	.262	—	.276	.269	.285
	5	.238	.210	.211	.212	.153	.085	.099	.084	.169	.222	.222	.245
	6	.210	.216	.228	.223	.223	.224	.226	.222	—	.254	.234	.280
	7	.237	.260	.260	.262	.253	.240	.250	.232	—	.232	.213	.242
	8	.197	.203	.203	.204	.204	.209	.223	.232	.221	.227	.223	.210
	9	.239	.227	.216	—	—	—	—	—	—	—	—	—
	10	—	—	—	.230	.207	.225	.231	.249	.245	.271	.285	.278
	11	.264	.272	.258	.262	.248	.263	.258	.251	—	.285	.317	.334
	12	.262	.270	.254	.250	.248	.240	.255	.238	.286	.332	.385	.374
	13	.334	.305	.307	.251	.242	.241	.263	.262	.268	.296	.318	.219
	14	.346	.346	.343	.339	.334	.330	.331	.323	.331	.345	.348	.367
	15	.287	.252	.246	.221	—	.220	.230	.224	.228	.240	.205	.176
	16	.240	.251	.248	—	—	—	—	—	—	—	—	—
	17	—	—	—	.258	.265	.274	.283	.287	.293	.302	.304	.331
	18	.351	.350	.350	.347	.352	.355	.352	.352	.349	.385	.348	.384
	19	.372	.313	.282	.267	.264	.269	.261	.261	.285	.320	.320	.329
	20	.259	.234	.232	.233	.231	.220	.223	.211	.241	.263	.249	.249
	21	.332	.310	.306	.304	—	.304	.304	.319	.319	.320	.320	.350
	22	.344	.350	.340	.343	.345	.345	.333	.327	—	.366	.360	.359
	23	.327	.321	.340	—	—	—	—	—	—	—	—	—
	24	—	—	—	.290	.287	.277	.282	.285	.285	.282	.314	—
	25	.363	.360	.375	.366	—	.357	.346	.348	.373	.373	.408	.421
	26	.372	.387	.387	.359	.354	.368	.359	.366	.391	.413	.420	.432
	27	.382	.409	.379	.394	.413	.436	.425	.415	.421	.424	.430	.446
	28	.352	.352	.343	.348	.346	.273	.245	.250	.289	.292	.315	.317
29	.204	.200	.204	.191	.202	.210	.202	.190	.212	.231	.221	.249	
Hourly Means	.294	.289	.285	.257	.270	.270	.271	.270	.291	.303	.305	.314	

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.
21	22	23	0	1	2	3	4	5	6	7	8	
78	65	62	40	40	36	44	45	62	66	70	72	69
—	—	—	—	—	—	—	—	—	—	—	—	76
100	79	64	67	70	69	72	75	53	55	52	57	65
48	48	51	45	45	40	53	80	81	88	84	72	54
71	56	60	53	48	45	46	41	39	44	50	61	65
69	61	52	57	62	54	67	46	41	52	67	70	64
52	64	—	52	54	53	58	47	48	67	63	64	67
70	62	60	52	53	53	55	61	61	63	68	76	69
—	—	—	—	—	—	—	—	—	—	—	—	61
68	60	63	57	52	50	44	44	52	55	62	66	57
61	56	46	44	46	35	29	27	28	35	39	44	64
68	52	66	70	56	61	54	51	51	51	63	76	88
56	54	62	53	53	53	53	56	57	57	78	76	67
97	97	89	90	86	71	77	72	84	88	89	85	81
55	47	48	52	62	60	68	72	81	79	83	76	91
—	—	—	—	—	—	—	—	—	—	—	—	77
82	82	82	81	78	74	75	82	85	88	90	93	77
86	86	85	84	75	75	86	88	87	89	91	93	69
69	63	62	57	62	57	62	84	93	84	93	90	85
64	58	68	60	52	33	54	55	59	62	71	82	87
88	83	78	75	75	74	77	86	57	93	91	96	78
84	84	81	77	68	77	80	80	81	79	83	79	81
—	—	—	—	—	—	—	—	—	—	—	—	91
77	59	57	58	57	—	56	61	67	75	82	86	77
73	75	71	70	71	71	68	66	65	74	82	88	69
65	54	44	52	38	60	57	53	54	58	57	58	85
72	71	66	70	64	67	69	76	78	82	82	85	87
62	51	52	48	48	42	37	50	39	60	65	63	72
73	55	62	77	66	64	76	75	60	56	67	68	79
72	65	64	62	59	57	61	63	62	68	73	75	65
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·340	·324	·338	·231	·251	·238	·266	·257	·328	·306	·305	·304	·282
—	—	—	—	—	—	—	—	—	—	—	—	308
·375	·340	·312	·338	·375	·356	·339	·362	·279	·256	·215	·213	·275
·259	·277	·317	·299	·311	·271	·266	·325	·322	·334	·310	·265	·194
·248	·209	·234	·226	·213	·205	·222	·198	·180	·182	·185	·209	·260
·296	·275	·252	·288	·328	·301	·351	·279	·240	·261	·297	·281	·227
·195	·233	—	·218	·210	·226	·228	·192	·197	·228	·205	·197	·228
·237	·226	·247	·229	·254	·240	·231	·255	·253	·245	·240	·256	·266
—	—	—	—	—	—	—	—	—	—	—	—	·289
·290	·282	·320	·315	·302	·309	·277	·274	·310	·277	·266	·260	·320
·322	·334	·321	·336	·367	·317	·287	·273	·269	·272	·274	·274	·290
·323	·340	·381	·437	·354	·369	·380	·350	·359	·315	·331	·338	·355
·283	·281	·335	·315	·325	·318	·292	·298	·276	·296	·320	·309	·240
·376	·380	·370	·387	·385	·371	·377	·345	·376	·367	·368	·338	·309
·199	·185	·196	·222	·266	·257	·302	·298	·297	·270	·260	·244	·367
—	—	—	—	—	—	—	—	—	—	—	—	·319
·319	·325	·345	·342	·343	·336	·330	·348	·350	·351	·348	·348	·319
·368	·376	·296	·421	·378	·368	·385	·384	·381	·389	·389	·391	·367
·359	·353	·365	·357	·385	·336	·303	·321	·330	·321	·342	·331	·319
·263	·250	·308	·303	·300	·210	·300	·286	·282	·287	·307	·329	·261
·348	·340	·349	·349	·356	·341	·363	·274	·353	·346	·343	·347	·330
·354	·356	·362	·377	·330	·350	·348	·342	·329	·322	·327	·316	·345
—	—	—	—	—	—	—	—	—	—	—	—	·327
·350	·333	·346	·385	·372	—	·340	·353	·354	·356	·351	·355	·390
·408	·435	·431	·424	·419	·419	·421	·393	·374	·382	·390	·387	·389
·411	·398	·372	·436	·363	·424	·404	·379	·391	·408	·380	·354	·393
·440	·439	·401	·387	·363	·344	·343	·347	·343	·348	·348	·344	·269
·281	·240	·273	·248	·253	·218	·183	·241	·174	·216	·217	·196	·216
·249	·198	·224	·261	·236	·199	·254	·247	·219	·190	·206	·197	—
·316	·309	·321	·325	·322	·305	·312	·305	·303	·301	·301	·295	·298

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air.	Nov. 30	72	70	75	—	82	90	—	—	—	—	—	
	1	—	—	—	85	82	90	90	90	92	98	84	73
	2	82	83	85	83	86	84	87	88	—	91	78	70
	3	81	73	76	76	81	81	79	77	77	80	76	70
	4	77	78	82	86	74	74	74	62	60	63	52	51
	5	73	81	81	81	79	81	81	87	81	86	79	75
	6	72	71	75	76	—	74	72	72	80	79	69	59
	7	56	58	60	—	—	—	—	—	—	—	—	—
	8	—	—	—	93	92	93	92	89	83	80	70	60
	9	77	78	74	64	67	78	70	77	83	87	76	61
	10	67	70	74	77	79	75	72	76	84	77	70	63
	11	80	74	79	78	82	82	85	88	90	94	93	91
	12	48	52	57	58	63	—	70	70	81	72	64	61
	13	86	87	78	—	79	78	78	77	81	77	79	76
	14	71	75	72	—	—	—	—	—	—	—	—	—
	15	—	—	—	—	71	71	72	71	72	73	72	70
	16	79	81	82	82	82	79	78	75	84	86	81	73
	17	73	76	78	85	86	88	90	91	88	97	84	77
	18	74	—	86	88	87	87	86	88	93	91	82	73
	19	71	66	70	71	87	87	94	84	77	76	71	68
	20	49	52	55	55	59	55	58	59	56	63	65	51
	21	77	79	79	—	—	—	—	—	—	—	—	—
	22	—	—	—	73	81	85	88	86	86	89	—	75
	23	71	73	74	76	76	76	74	73	86	83	76	68
	24	72	70	75	—	—	—	—	—	—	—	—	—
	25	—	—	—	87	83	88	91	90	87	83	70	59
	26	50	52	55	54	59	63	67	72	—	74	67	64
	27	78	78	78	78	80	86	88	91	87	84	68	60
	28	52	58	62	—	—	—	—	—	—	—	—	—
	29	—	—	—	70	72	70	71	71	70	71	55	—
	30	68	72	73	81	74	76	78	78	81	78	73	60
	31	63	69	74	73	63	67	67	71	—	—	63	51
Hourly Means	70	71	73	76	77	79	79	79	81	81	73	66	
Tension of the Vapour.	Nov. 30	In. .204	In. .202	In. .207	—	—	—	—	—	—	—	—	
	1	—	—	—	.262	.241	.254	.250	.250	.259	.288	.291	.292
	2	.322	.330	.338	.335	.332	.315	.312	.309	—	.357	.352	.356
	3	.333	.301	.311	.308	.328	.328	.322	.314	.320	.339	.361	.369
	4	.364	.352	.354	.372	.336	.336	.336	.301	.299	.320	.296	.325
	5	.298	.319	.319	.319	.316	.316	.313	.318	.307	.338	.334	.356
	6	.432	.418	.416	.419	—	.409	.392	.413	.437	.427	.409	.379
	7	.268	.267	.258	—	—	—	—	—	—	—	—	—
	8	—	—	—	.368	.372	.374	.372	.357	.338	.338	.328	.309
	9	.344	.340	.321	.263	.265	.263	.234	.246	.280	.307	.305	.266
	10	.304	.305	.315	.312	.316	.297	.281	.288	.311	.315	.312	.327
	11	.405	.382	.395	.397	.419	.419	.435	.447	.460	.483	.494	.523
	12	.224	.221	.236	.231	.240	—	.244	.234	.277	.279	.280	.302
	13	.346	.346	.294	—	.272	.264	.264	.258	.278	.286	.322	.326
	14	.278	.284	.273	—	—	—	—	—	—	—	—	—
	15	—	—	—	—	.260	.264	.266	.264	.262	.270	.276	.276
	16	.293	.302	.313	.316	.316	.310	.294	.292	.310	.323	.331	.333
	17	.330	.323	.317	.330	.326	.325	.325	.315	.337	.391	.382	.381
	18	.366	—	.385	.397	.384	.374	.361	.361	.387	.421	.423	.444
	19	.429	.408	.404	.429	.496	.480	.535	.421	.413	.438	.441	.450
	20	.216	.224	.224	.227	.236	.215	.220	.216	.215	.247	.280	.241
	21	.314	.319	.319	—	—	—	—	—	—	—	—	—
	22	—	—	—	.330	.339	.347	.358	.358	.379	.413	—	.413
	23	.307	.310	.312	.315	.312	.312	.300	.284	.326	.341	.351	.357
	24	.361	.349	.356	—	—	—	—	—	—	—	—	—
	25	—	—	—	.460	.437	.437	.444	.437	.442	.488	.499	.447
	26	.280	.279	.283	.264	.270	.274	.285	.297	—	.333	.355	.351
	27	.373	.372	.372	.372	.382	.398	.403	.412	.404	.400	.344	.338
	28	.220	.219	.218	—	—	—	—	—	—	—	—	—
	29	—	—	—	.253	.259	.255	.246	.249	.242	.260	.221	—
	30	.290	.295	.281	.313	.300	.300	.300	.302	.337	.343	.353	.327
	31	.385	.387	.379	.369	.308	.317	.311	.323	—	—	.320	.379
Hourly Means	.319	.314	.315	.332	.322	.327	.323	.318	.331	.350	.346	.355	

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.
21	22	23	0	1	2	3	4	5	6	7	8	
—	—	—	—	—	—	—	—	—	—	—	—	73
61	60	61	57	57	56	56	54	57	69	73	81	73
65	63	60	58	58	63	57	57	57	69	72	73	68
65	63	60	56	56	59	59	51	55	43	69	75	63
44	49	46	50	40	53	62	62	64	67	69	73	74
64	58	49	57	70	73	69	71	68	73	75	76	58
52	54	49	43	41	37	39	33	39	41	47	50	70
—	—	—	—	—	—	—	—	—	—	—	—	62
61	58	54	53	50	53	63	72	66	72	73	75	63
52	50	51	45	44	46	44	50	50	55	58	59	64
57	46	43	45	44	44	52	52	49	54	66	69	63
78	64	43	44	41	33	37	32	30	31	36	43	64
56	53	55	57	49	56	52	62	78	74	80	85	63
66	59	64	68	58	41	34	43	61	73	70	75	69
—	—	—	—	—	—	—	—	—	—	—	—	66
73	72	69	55	54	54	51	49	48	61	66	74	69
63	57	60	60	57	54	54	51	53	57	69	68	73
72	68	62	60	58	50	54	54	52	59	70	76	73
68	58	53	53	56	56	55	62	68	67	71	74	60
56	55	54	50	34	44	42	30	29	37	39	41	55
49	44	44	41	48	51	52	53	56	58	66	71	73
—	—	—	—	—	—	—	—	—	—	—	—	66
69	62	67	63	62	53	56	60	73	72	74	74	66
61	60	59	56	54	54	51	52	53	57	61	68	59
—	—	—	—	—	—	—	—	—	—	—	—	60
61	59	59	38	30	30	29	24	28	28	36	41	64
53	52	53	53	52	50	53	58	58	67	75	76	59
55	49	51	52	51	46	50	51	45	40	45	53	60
—	—	—	—	—	—	—	—	—	—	—	—	64
52	43	43	49	47	52	53	53	51	54	59	71	59
55	57	44	40	42	50	41	50	50	52	55	58	62
47	43	40	29	32	28	30	31	23	35	38	43	49
60	56	54	51	49	49	50	51	52	56	62	66	65
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
—	—	—	—	—	—	—	—	—	—	—	—	276
·263	·276	·302	·305	·328	·323	·323	·290	·288	·302	·307	·319	·335
·356	·369	·359	·345	·325	·336	·318	·315	·388	·310	·310	·307	·361
·382	·418	·419	·428	·426	·453	·470	·402	·359	·276	·346	·362	·340
·321	·385	·354	·374	·324	·375	·387	·359	·346	·327	·313	·310	·370
·359	·370	·331	·373	·424	·415	·437	·459	·450	·472	·472	·454	·367
·343	·374	·362	·339	·326	·316	·353	·296	·339	·290	·283	·264	·342
—	—	—	—	—	—	—	—	—	—	—	—	·287
·329	·341	·339	·350	·350	·359	·371	·408	·358	·367	·350	·345	·333
·246	·262	·274	·265	·277	·302	·286	·332	·320	·310	·303	·286	·362
·325	·297	·287	·334	·326	·387	·400	·402	·394	·374	·393	·385	·296
·514	·452	·293	·308	·279	·233	·267	·235	·220	·203	·209	·219	·287
·313	·313	·322	·351	·333	·348	·342	·325	·369	·336	·342	·350	·284
·300	·290	·306	·328	·303	·230	·196	·250	·275	·289	·286	·289	·323
—	—	—	—	—	—	—	—	—	—	—	—	·366
·298	·324	·346	·289	·305	·308	·304	·278	·260	·278	·276	·292	·424
·320	·305	·340	·359	·351	357	·357	·325	·338	·318	·336	·323	·363
·409	·421	·423	·431	·419	·354	·378	·376	·356	·348	·387	·392	·264
·468	·442	·436	·445	·447	·452	·449	·467	·468	·454	·464	·462	·363
·369	·375	·364	·344	·238	·307	·328	·233	·203	·223	·204	·193	·332
·259	·249	·262	·258	·314	·321	·317	·333	·341	·307	·315	·304	·332
—	—	—	—	—	—	—	—	—	—	—	—	·260
·409	·363	·396	·394	·415	·357	·370	·346	·369	·339	·336	·359	·327
·349	·365	·381	·377	·367	·378	·371	·386	·379	·355	·339	·353	·293
—	—	—	—	—	—	—	—	—	—	—	—	·343
·450	·442	·482	·370	·328	·323	·315	·264	·286	·237	·256	·254	·382
·330	·352	·375	·385	·388	·363	·366	·374	·362	·361	·372	·367	·332
·325	·274	·300	·312	·299	·274	·297	·327	·291	·234	·222	·237	·332
—	—	—	—	—	—	—	—	—	—	—	—	·260
·248	·226	·250	·286	·302	·302	·288	·288	·291	·272	·273	·300	·327
·325	·351	·324	·318	·343	·369	·291	·352	·338	·356	·349	·360	·293
·274	·276	·280	·222	·259	·242	·248	·270	·154	·249	·251	·252	·331
·342	·343	·343	·342	·338	·338	·340	·334	·329	·315	·319	·321	·331

VAN DIEMEN ISLAND, 1844.

METEOROLOGICAL JOURNAL.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.			
		Air.	Dew Point.	Max. Therm.	Min. Therm.						
JANUARY.											
D.	H.	°		°	°	In.					
1	3	—	47°2	—	—	—	0·38	} Hazy and fine.			
1	9	61·2	43·0	} 78·2	} 51·7	—	0·38				
1	15	—	—			—	—		0·50		
1	21	63·0	41·0	—	—	—	0·75				
2	3	67·6	47·6	} 71·0	} 54·6	—	1·00	} Gloomy, with haze.			
2	9	56·6	48·8			—	—		—	1·00	
2	15	55·0	47·4			—	—		—	0·38	
2	21	59·8	49·5			—	—		—	1·00	
3	3	70·8	51·5	} 72·0	} 52·8	—	1·00	} Much haze.			
3	9	59·8	54·5			—	—		—	0·0	
3	15	54·2	49·0			—	—		—	0·50	
3	21	65·2	56·0			—	—		—	1·0	
4	3	70·5	55·0	} 70·2	} 56·6	—	1·0	} Overcast.			
4	9	58·0	52·0			—	—		—	0·88	
4	15	57·3	51·7			—	—		—	0·88	
4	21	65·8	54·2			—	—		—	1·0	
5	3	63·8	51·8	} 71·2	} 52·2	—	1·0	} Drizzling rain.			
5	9	55·7	53·6			—	—		—	1·0	
5	15	52·8	50·8			—	—		—	1·0	
5	21	56·7	49·2			—	—		—	1·0	
6	3	60·2	46·8	} —	} —	—	1·0	} Overcast.			
6	9	56·4	46·4			—	—		—	1·0	
Sunday 21											
7	15	62·7	61·0	} 89·2	} 55·2	} 0·28	1·0	} Overcast; continued rain.			
7	21	57·2	57·0				—		—	—	1·0
8	3	59·5	57·2	} 61·0	} 47·2	} —	0·38	} Overcast and gloomy.			
8	9	53·4	47·6				—		—	—	0·38
8	15	49·4	42·7				—		—	—	0·50
8	21	58·5	49·0				—		—	—	1·0
9	3	60·2	52·6	} 63·8	} 52·2	} —	1·0	} Overcast.			
9	9	53·8	48·4				—		—	—	1·0
9	15	53·0	50·0				—		—	—	0·25
9	21	58·2	48·2				—		—	—	0·38
10	3	68·8	50·5	} 71·5	} 56·2	} 0·22	1·0	} Overcast, with showers.			
10	9	58·5	48·0				—		—	—	1·0
10	15	57·0	49·0				—		—	—	1·0
10	21	57·8	56·0				—		—	—	0·25
11	3	68·6	61·5	} 77·2	} 54·4	} —	0·13	} Overcast.			
11	9	67·0	56·0				—		—	—	0·25
11	15	57·8	52·2				—		—	—	0·25
11	21	66·2	58·5				—		—	—	1·0
12	3	67·5	53·6	} —	} 56·8	} —	1·0	} Hazy and sultry.			
12	9	60·6	56·2				—		—	—	0·0
12	15	58·8	56·0				—		—	—	0·0
12	21	69·4	57·7				—		—	—	0·50
13	3	82·0	60·5	} —	} —	} 0·84	0·62	} Nearly overcast.			
13	9	68·4	63·7				—		—	—	0·62
Sunday 21											
14	15	49·5	43·0	} 82·0	} 47·3	} —	0·75	} Occasional showers; wind variable.			
14	21	56·5	42·0				—		—	—	0·75
15	3	60·5	50·0	} 67·0	} 53·5	} —	0·38	} Fine.			
15	9	57·0	44·0				—		—	—	1·0
15	15	54·0	45·8				—		—	—	0·50
15	21	65·2	46·8				—		—	—	0·38
16	3	73·8	40·0	} 76·5	} 53·5	} —	0·62	} Fine.			
16	9	60·3	41·5				—		—	—	0·75
16	15	55·0	43·5				—		—	—	1·0
16	21	62·5	42·6				—		—	—	0·38
17	3	69·5	53·8	} 74·2	} 56·3	} 0·02	0·0	} Hazy and sultry hot atmosphere; N.W. gale; showers.			
17	9	59·7	53·0				—		—	—	0·0
17	15	58·0	49·8				—		—	—	1·0
17	21	68·8	57·0				—		—	—	1·0

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
JANUARY.								
D.	H.	°	°	°	°	In.		
18	3	74·8	45·8	} 79·5	50·6		0·38	} Fine, with passing showers and light squalls.
18	9	66·0	47·2					
18	15	53·1	45·0					
18	21	58·7	39·4					
19	3	59·0	41·5	} 67·2	47·5		0·13	} Occasional showers; fine.
19	9	53·0	42·4					
19	15	48·3	42·0					
19	21	58·5	38·0					
20	3	62·8	44·0	} —	—		0·0	} Clear blue sky and fine.
20	9	54·8	44·4					
Sunday 21								
21	15	55·0	50·0	} 73·2	47·7		0·0	} Clear blue sky and fine.
21	21	65·2	44·2					
22	3	81·2	56·4	} 84·0	62·3	a	0·88	} Overcast; continued rain.
22	9	70·7	49·6					
22	15	65·0	52·0					
22	21	64·8	57·2					
23	3	57·3	55·2	} 69·8	50·6	a	1·0	} Overcast, with occasional rain.
23	9	51·5	49·3					
23	15	—	—					
23	21	54·8	45·4					
24	3	59·2	51·2	} —	54·2	a	1·0	} Overcast, with occasional rain.
24	9	55·0	55·0					
24	15	56·0	55·0					
24	21	61·0	59·5					
25	3	67·0	62·4	} 69·3	52·8	a	0·62	} Overcast, with passing showers.
25	9	62·5	59·0					
25	15	55·2	50·6					
25	21	57·2	44·5					
26	3	64·6	49·2	} 65·0	53·0		1·0	} Overcast, with nim.; fine.
26	9	55·7	47·5					
26	15	53·5	48·8					
26	21	60·8	52·0					
27	3	71·5	54·8	} —	—		0·25	} Fine.
27	9	62·0	57·2					
Sunday 21								
28	15	52·7	36·0	} 82·8	51·2		0·50	} Fine.
28	21	60·5	41·0					
29	3	69·7	38·8	} 72·5	47·2		0·13	} Hazy and fine.
29	9	55·8	36·6					
29	15	48·0	38·4					
29	21	58·4	37·8					
30	3	66·4	47·2	} 66·8	48·0		0·0	} Very fine, with a cir. haze.
30	9	54·0	46·8					
30	15	49·4	46·0					
30	21	62·0	48·5					
31	3	70·0	52·5	} 73·0	50·0		0·0	} Cloudless sky, with a white haze and fine.
31	9	58·0	49·5					
31	15	51·7	49·0					
31	21	63·7	50·0					
FEBRUARY.								
1	3	76·8	57·6	} 78·0	57·7		0·0	} Thick haze and fine.
1	9	64·2	56·0					
1	15	59·2	52·6					
1	21	68·5	49·2	} 79·2	53·5		0·62	} Gloomy, with occasional showers.
2	3	75·5	52·3					
2	9	63·8	60·5					
2	15	57·0	54·0					
2	21	55·5	50·2				0·88	

* Amount of rain not reported.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
FEBRUARY.								
D.	H.	°	°	°	°	In.		
3	3	59·5	46·5	—	—		1·0	} Overcast, but fine.
3	9	54·0	42·5				1·0	
Sunday 21								
4	15	54·4	44·6	} 69·7	} 50·2		1·0	} Overcast, but fine.
4	21	61·3	49·2					
5	3	71·6	55·7				0·0	} Hazy, but fine; hot wind commencing.
5	9	57·2	52·4	} 74·8	} 51·2		0·0	
5	15	52·2	50·0					
5	21	64·2	48·5			0·0		
6	3	75·5	53·0				0·62	} Gloomy, with showers; hot wind to 6 ^h .
6	9	69·0	50·5	} 81·8	} 56·8		1·0	
6	15	63·8	46·8					
6	21	59·3	49·0			0·62		
7	3	66·6	42·1				0·75	} Variable, with passing squalls and showers.
7	9	52·6	39·8	} 70·0	} 48·7		0·75	
7	15	50·0	42·0					
7	21	58·2	41·8			0·50		
8	3	65·8	46·5				0·88	} Light passing showers, with sea breeze.
8	9	57·0	40·8	} 69·5	} 52·3		0·50	
8	15	52·5	43·8					
8	21	63·0	47·2			0·88		
9	3	63·2	50·2				0·88	} Fine, with much haze.
9	9	55·5	47·0	} 66·5	} 54·4		0·75	
9	15	55·0	45·0					
9	21	61·8	46·2			0·0		
10	3	69·8	51·0				0·0	} Fine.
10	9	58·0	48·8				0·50	
Sunday 21								
11	15	54·8	47·8	} 75·2	} 49·8		0·13	} Fine.
11	21	65·6	49·5					
12	3	83·5	49·0				0·0	} Fine.
12	9	66·5	56·0	} 86·0	} 60·2		0·0	
12	15	62·3	53·2					
12	21	70·0	53·0			0·62		
13	3	75·3	59·1				0·38	} Gloomy and sultry.
13	9	68·2	60·8	} 84·5	} 65·2		0·50	
13	15	66·5	62·0					
13	21	74·0	53·0			0·38		
14	3	90·6	57·8				0·0	} Calm and very fine; much haze.
14	9	70·0	62·0	} 95·0	} 61·0		0·0	
14	15	63·5	56·0					
14	21	74·0	55·8			0·0		
15	3	81·2	61·0				0·0	} Cloudless; dense haze.
15	9	67·0	61·8	} 87·2	} 59·5		0·0	
15	15	60·8	58·5					
15	21	74·5	56·2			0·0		
16	3	87·7	60·6				0·0	} Cloudless; dense haze.
16	9	66·0	60·5	} 96·2	} 59·4		0·0	
16	15	61·0	58·2					
16	21	73·8	49·2			0·0		
17	3	91·5	46·1				0·75	} Dense mist, but fine.
17	9	73·5	58·2				1·0	
Sunday 21								
18	15	61·3	57·2	} 94·0	} 60·0		1·0	} Dense mist, but fine.
18	21	67·8	50·2					
19	3	72·1	41·2				1·0	} Lowering, with frequent showers of drizzling rain.
19	9	60·0	48·4	} 74·2	} 52·2		1·0	
19	15	—	—					
19	21	53·9	49·6			1·0		
20	3	57·5	51·8				0·50	} Gloomy, with rain at times.
20	9	55·5	48·9	} 59·0	} 48·2		0·88	
20	15	51·0	47·0					
20	21	54·8	45·4			0·75		

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
FEBRUARY.								
D.	H.	°	°	°	°	In.		
21	3	56.0	41.0				0.75	} Fine, with frequent squalls.
21	9	48.5	42.0	} 60.5	45.0	0.25	0.38	
21	15	46.6	38.4				0.50	
21	21	53.0	39.0	0.25				
22	3	65.2	40.2	} 68.3	53.3		0.75	0.38
22	9	54.7	39.7			0.50		
22	15	54.8	45.7			0.50		
22	21	60.7	49.5			0.88		
23	3	68.0	43.6	} 72.0	53.4	0.88	0.88	
23	9	58.2	42.7				1.0	
23	15	55.0	42.8				0.62	
23	21	60.7	44.3				1.0	
24	3	68.8	48.4	} —	—	0.62	1.0	
24	9	58.6	43.6				0.62	
Sunday 21								
25	15	55.5	47.2	} 76.0	54.4	0.02	1.0	
25	21	63.3	48.9				1.0	
26	3	68.9	52.2	} 68.2	56.5	0.50	0.62	
26	9	60.8	56.6				0.50	
26	15	59.5	52.0				0.75	
26	21	59.5	48.2				0.75	
27	3	68.5	42.1	} 70.5	53.6	0.62	0.75	
27	9	57.2	41.4				0.75	
27	15	55.3	43.3				0.50	
27	21	63.7	43.0				0.88	
28	3	65.0	38.0	} 67.5	51.2	0.50	0.88	
28	9	54.5	40.8				1.0	
28	15	52.0	38.2				0.88	
28	21	60.8	43.8				1.0	
29	3	66.4	44.8	} 69.2	55.2	0.88	1.0	
29	9	58.0	43.0				0.88	
29	15	56.0	46.8				—	
29	21	61.0	45.2				—	
MARCH.								
1	3	70.0	41.5	} 73.8	55.0	0.75	1.0	
1	9	62.0	48.0				1.0	
1	15	57.6	49.6				0.50	
1	21	63.0	48.0				0.38	
2	3	73.2	50.1	} —	—	0.25	0.38	
2	9	60.6	44.8				0.25	
Sunday 21								
3	15	47.0	39.5	} 74.8	45.7	0.14	0.50	
3	21	54.5	39.5				0.13	
4	3	70.2	40.5	} 71.2	46.3	0.62	0.75	
4	9	55.0	42.0				0.62	
4	15	47.4	39.6				1.0	
4	21	55.0	39.2				1.0	
5	3	74.7	49.2	} 75.8	55.5	0.88	0.88	
5	9	64.8	52.1				0.38	
5	15	61.4	49.4				0.50	
5	21	68.8	53.2				0.62	
6	3	73.0	44.2	} 76.2	52.4	0.50	0.50	
6	9	58.4	38.9				0.62	
6	15	53.3	37.5				0.88	
6	21	56.8	41.4				0.62	
7	3	68.0	36.2	} 69.0	56.2	0.25	0.25	
7	9	57.5	41.0				0.62	
7	15	56.8	45.3				0.38	
7	21	66.8	47.8				0.62	
8	3	78.8	48.8	} 79.2	55.7	1.0	1.0	
8	9	64.7	52.2				1.0	
8	15	57.0	53.5				1.0	
8	21	59.0	54.2				0.75	

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
MARCH.		°	°	°	°	In.		
D.	H.							
9	3	63·5	57·5	—	—	1·0	} Overcast.	
9	9	57·5	57·8					
Sunday 21								
10	15	56·0	54·4	} 79·8	} 54·4	1·58	} Overcast, with continued hard rain until 4 p.m., when it cleared up and became fine.	
10	21	57·5	56·8					
11	3	55·2	54·7	} 59·0	} 44·8	0·38	} Light cum. ; fine throughout.	
11	9	52·7	46·3					
11	15	47·7	43·5					
11	21	53·5	45·0					
12	3	63·2	46·7	} 64·2	} 48·5	0·38	} Light cum. and fine ; overcast, nimbi.	
12	9	52·0	45·2					
12	15	50·0	42·0					
12	21	56·0	41·8					
13	3	61·5	46·0	} 64·0	} 45·0	1·0	} Light passing showers and squally throughout.	
13	9	52·5	43·8					
13	15	48·2	38·6					
13	21	51·0	39·0					
14	3	54·6	39·8	} 59·2	} 47·5	0·88	} Generally overcast, with passing light showers and squalls.	
14	9	49·3	39·4					
14	15	48·5	40·0					
14	21	53·3	47·5					
15	3	58·5	40·8	} 60·2	} 47·3	0·75	} Passing showers and light squalls ; more settled.	
15	9	51·6	42·1					
15	15	48·5	35·5					
15	21	54·2	39·0					
16	3	65·2	38·2	} —	} —	0·62	} Partially clouded.	
16	9	56·0	45·0					
Sunday 21								
17	15	61·4	51·2	} 69·8	} 52·5	0·50	} Cum. and cir.-cum. ; fine throughout.	
17	21	67·5	53·5					
18	3	77·2	56·0	} 78·0	} 53·8	1·0	} Fog in the morning ; clear and cloudless.	
18	9	62·2	58·8					
18	15	57·8	56·0					
18	21	62·2	54·5					
19	3	83·0	51·2	} 85·8	} 53·3	0·0	} Fog in the morning ; strong breeze at noon, rain in the evening.	
19	9	61·4	59·0					
19	15	55·6	54·0					
19	21	60·8	54·2					
20	3	63·1	43·4	} 69·2	} 45·8	0·75	} Generally overcast, gloomy, and squally.	
20	9	51·3	41·3					
20	15	47·6	30·2					
20	21	53·8	36·0					
21	3	61·0	44·0	} 60·8	} 46·0	0·25	} Furious gale from the W., veering from N.W. to S.W. ; moderated as the sun set.	
21	9	56·2	39·6					
21	15	51·7	34·2					
21	21	50·2	36·5					
22	3	52·0	38·0	} 56·0	} 44·5	0·62	} Gloomy and cold, with rain ; nearly calm.	
22	9	46·5	37·0					
22	15	45·3	37·0					
22	21	50·0	37·5					
23	3	59·5	44·8	} —	} —	—	} Clear.	
23	9	51·2	45·2					
Sunday 21								
24	15	47·2	45·0	} 65·8	} 46·4	0·75	} Light cum., fine ; overcast with rain.	
24	21	54·8	45·5					
25	3	65·6	49·0	} 69·8	} 46·6	0·88	} Fine with haze over the land.	
25	9	52·5	51·2					
25	15	51·0	49·0					
25	21	53·0	45·0					
26	3	61·9	46·0	} 62·8	} 47·6	0·38	} Generally overcast and gloomy.	
26	9	51·3	47·0					
26	15	47·6	43·0					
26	21	51·8	42·7					

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
MARCH.								
D.	H.	°	°	°	°	In.		
27	3	57.0	44.5	60.0	51.5	0.12	1.0	Passing squalls and showers of heavy rain.
27	9	54.5	45.8					
27	15	53.8	46.8					
27	21	56.5	51.6					
28	3	53.0	39.3	60.0	39.5	0.05	0.13	Occasional showers and squalls, with clear sky between them.
28	9	43.5	35.0					
28	15	41.7	36.6					
28	21	44.0	39.0					
29	3	50.4	—	59.5	43.5	0.25	1.0	Occasional showers and squalls, with clear sky between them.
29	9	44.5	34.4					
29	15	44.2	40.6					
29	21	56.5	50.0					
30	3	67.2	50.0	—	—	0.50	0.62	Partially overcast.
30	9	55.2	53.0					
Sunday 21								
31	15	46.5	40.0	68.8	43.4	0.67	0.50	Showers and squalls throughout.
31	21	50.8	44.1					
APRIL.								
1	3	58.2	41.6	60.6	44.0 ^a	0.18	0.0	Frequent hard squalls and rain.
1	9	46.5	41.2					
1	15	45.0	38.2					
1	21	46.0	38.2					
2	3	57.3	36.0	56.6	41.8		0.38	Mild and moderate; rain in the evening.
2	9	45.8	37.2					
2	15	42.8	38.2					
2	21	47.3	41.5					
3	3	52.7	45.0	56.8	39.6		0.75	Clear, very fine.
3	9	48.0	44.5					
3	15	42.0	39.2					
3	21	47.2	41.6					
4	3	56.7	44.6	59.0	39.7		0.0	Clear and very fine; in the afternoon overcast and gloomy.
4	9	45.6	41.4					
4	15	41.4	39.0					
4	21	46.2	41.8					
5	3	57.8	44.8	60.2	44.0		0.75	Raw and cold, with showers.
5	9	53.0	44.8					
5	15	48.0	37.0					
5	21	49.2	37.5					
6	3	48.4	36.7	—	—	0.25	1.0	Overcast at intervals.
6	9	45.0	34.4					
Good Friday 21								
7	15	42.8	36.8	54.8	39.4		0.25	Clear and very fine.
7	21	45.6	39.4					
8	3	59.0	46.4	60.0	40.0		0.0	Fine throughout.
8	9	46.5	43.0					
8	15	42.2	40.6					
8	21	47.5	43.4					
9	3	61.4	48.6	64.0	45.5		1.0	Cir.-strat. generally diffused; calm.
9	9	49.6	46.0					
9	15	46.6	45.2					
9	21	53.0	45.0					
10	3	62.8	48.5	68.0	50.0		0.38	Occasional showers; strat. diffused over the sky.
10	9	54.0	50.6					
10	15	50.6	45.4					
10	21	53.7	44.2					
11	3	62.0	49.0	64.8	45.2		0.0	Light cum. and occasional light showers.
11	9	57.0	46.2					
11	15	48.0	42.4					
11	21	51.2	47.6					
12	3	62.0	42.0	64.8	45.5	0.01	1.0	Passing light showers, but generally fine.
12	9	52.7	42.2					
12	15	—	—					
12	21	52.8	42.6					

^a Lowest hourly readings of the Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.	
		Air.	Dew Point.	Max. Therm.	Min. Therm.				
APRIL.									
D.	H.			°	°	In.			
13	3	58°2	45°0				0'25	} Occasionally overcast.	
13	9	49°0	42°2				1'0		
Sunday 21									
14	15	45°2	43°0	} 63°2	44°7	0'03	1'0	} A few flashes of lightning at 3 a.m., S.S.E.; overcast and gloomy, with occasional showers of drizzling rain.	
14	21	48°2	47°4				0'38		
15	3	54°5	40°2	} 57°0	43°4	0'50	} Heavy cum. and gloomy; more settled in the evening.		
15	9	47°0	42°0			1'0			
15	15	44°1	41°0	} 57°8	43°2	0'88		} Overcast and gloomy, with light rain; aurora in the evening and night.	
15	21	47°5	42°2			0'75			
16	3	55°3	41°4	} 54°8	44°8	0'38	} Cum. continually and rapidly passing over; cold and clear.		
16	9	45°8	43°0			0'88			
16	15	44°5	41°4	} 57°0	42°5	1'0		} Heavy squalls, with rain; gloomy.	
16	21	46°2	43°0			0'50			
17	3	52°4	47°8	} 55°0	43°8	0'25	} Squally, with occasional showers.		
17	9	48°2	45°2			0'50			
17	15	45°5	42°8	} —	—	0'75		} Overcast.	
17	21	48°5	39°8			0'50			
18	3	53°0	38°8	} 57°0	42°5	1'0	} Overcast and gloomy.		
18	9	45°0	38°0			0'50			
18	15	43°6	37°5	} 61°3	47°0	0'50		} Overcast and gloomy.	
18	21	47°0	39°0			1'0			
19	3	51°1	42°2	} 60°0	41°2	0'88	} Perfectly clear blue sky, until noon, when it suddenly became overcast; in the evening, rain.		
19	9	46°6	38°0			0'50			
19	15	46°0	41°9	} 64°0	43°0	1'0		} Light cum.; clear and fine.	
19	21	50°6	41°2			0'62			
20	3	51°0	41°2	} 57°6	48°1	1'0	} Generally overcast, with light passing squalls.		
20	9	46°8	38°7			0'62			
Sunday 21									
21	15	47°8	42°0	} 68°0	48°4	1'0		} Overcast, with continued light rain; rain ceased, and clear in the evening.	
21	21	50°5	45°0			0'38			
22	3	58°2	44°8	} —	—	0'25	} Fine.		
22	9	50°3	49°0			0'50			
22	15	47°6	46°6	} 54°7	39°7	0'75		} Light cum. and fine.	
22	21	49°9	47°2			0'0			
23	3	56°4	49°2	} 59°5	41°6	0'0	} Light cum. and fine.		
23	9	45°0	43°6			0'13			
23	15	44°0	38°0	} 61°0	43°5	0'0		} Perfectly clear and fine.	
23	21	46°4	44°6			0'25			
24	3	60°0	46°0	} —	—	0'25	} Perfectly clear and fine.		
24	9	50°8	44°0			0'0			
24	15	47°5	38°6	} 54°7	39°7	0'50		} Light cum. and fine.	
24	21	48°8	38°6			0'75			
25	3	55°8	38°6	} 68°0	48°4	0'50	} Overcast, with continued light rain; rain ceased, and clear in the evening.		
25	9	48°2	37°2			1'0			
25	15	49°7	40°0	} 57°6	48°1	0'62		} Generally overcast, with light passing squalls.	
25	21	54°3	44°5			1'0			
26	3	65°2	46°8	} 61°3	47°0	0'0	} Overcast and gloomy.		
26	9	54°0	52°0			0'0			
26	15	51°0	48°0	} 60°0	41°2	0'62		} Perfectly clear blue sky, until noon, when it suddenly became overcast; in the evening, rain.	
26	21	49°8	47°7			1'0			
27	3	51°2	46°0	} 64°0	43°0	0'25	} Light cum.; clear and fine.		
27	9	45°2	37°0			0'38			
Sunday 21									
28	15	40°5	34°4	} 54°7	39°7	0'75		} Light cum. and fine.	
28	21	46°2	41°2			0'0			
29	3	58°0	45°8	} 59°5	41°6	0'13	} Light cum. and fine.		
29	9	50°0	43°3			0'0			
29	15	47°4	42°0	} 61°0	43°5	0'25		} Perfectly clear and fine.	
29	21	48°4	45°0			0'25			
30	3	58°0	44°0	} —	—	0'25	} Perfectly clear and fine.		
30	9	47°5	41°8			0'0			
30	15	44°0	40°4	} 61°0	43°5	0'38		} Perfectly clear and fine.	
30	21	50°0	42°0			0'25			

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.	
		Air.	Dew Point.	Max. Therm.	Min. Therm.				
MAY.									
D.	H.					In.			
1	3	58°9	44°4	°	°		1°0	} Fine, but generally overcast.	
1	9	51°2	43°2	} 61°3	} 49°7		0°75		
1	15	51°2	42°4						0°88
1	21	54°6	46°0				0°75		
2	3	60°8	48°0	} 58°8	} 45°8		1°0	} Overcast at 3 ^h ; clear from 9 ^h to 20 ^h .	
2	9	53°0	50°2						0°13
2	15	50°0	47°8						0°13
2	21	51°4	48°4						0°88
3	3	61°0	—	} 62°8	} 42°3		0°38	} Clear and fine at 3 ^h ; overcast and squally from 15 ^h .	
3	9	49°0	44°0						0°75
3	15	46°3	40°0						1°0
3	21	46°8	42°0						0°75
4	3	57°5	47°0	} —	} —		1°0	} Occasionally overcast.	
4	9	52°0	43°7						0°25
Sunday 21									
5	15	52°0	49°8	} 65°0	} 43°3		0°13	} Overcast; clear and fine in the afternoon.	
5	21	49°8	47°5						0°75
6	3	58°0	50°5	} 62°0	} 49°2		0°75	} Generally overcast.	
6	9	52°3	48°5						0°50
6	15	49°8	47°0						1°0
6	21	53°5	47°2						0°88
7	3	61°2	49°2	} 63°8	} 55°2		1°0	} Overcast; wind and weather variable; occasional squalls.	
7	9	55°6	46°6						0°62
7	15	55°8	47°0						1°0
7	21	58°2	50°5						0°38
8	3	61°6	49°3	} 67°0	} 43°5		0°75	} Overcast, but fine.	
8	9	49°8	43°6						1°0
8	15	47°2	44°8						0°75
8	21	49°4	46°8						0°50
9	3	58°4	51°8	} 61°0	} 44°2		0°75	} Squally and unsettled.	
9	9	53°0	48°8						0°75
9	15	49°4	46°6						1°0
9	21	50°2	48°2						0°38
10	3	59°7	49°0	} 62°0	} 49°3		0°62	} Clear and fine.	
10	9	57°0	48°6						0°38
10	15	55°0	46°6						0°38
10	21	54°4	48°0						0°0
11	3	62°8	—	} —	} —		0°50	} Overcast.	
11	9	52°0	52°0						1°0
Sunday 21									
12	15	49°8	49°4	} 69°0	} 48°0	0°12	1°0	} Overcast and gloomy; at 15 ^h rainy; several flashes of lightning in N.	
12	21	52°5	51°0						0°13
13	3	55°2	54°0	} 57°0	} 45°4		1°0	} Overcast and gloomy; rain.	
13	9	51°6	51°5						0°50
13	15	48°8	48°5						1°0
13	21	47°3	46°6						0°38
14	3	53°5	51°0	} 55°2	} 46°7		0°50	} Overcast, gloomy, and squally.	
14	9	51°8	45°0						0°88
14	15	48°8	42°2						1°0
14	21	51°2	45°8						0°50
15	3	56°2	50°8	} 57°8	} 51°2		0°50	} Overcast, with rain in passing squalls.	
15	9	53°0	48°0						1°0
15	15	54°2	46°5						1°0
15	21	52°2	47°8						0°38
16	3	49°9	49°1	} 56°3	} 40°7		0°25	} Overcast and gloomy, with strong N.W. gale; heavy rain.	
16	9	43°7	37°0						0°88
16	15	42°0	34°5						0°88
16	21	44°1	36°2						0°88
17	3	52°2	41°0	} 55°0	} 38°8		1°0	} Overcast and gloomy, with rain and snow; squally.	
17	9	45°0	39°5						1°0
17	15	40°5	37°5						0°88
17	21	39°8	39°0						0°75

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
MAY.								
D.	H.	°	°	°	°	In.		
18	3	39.2	36.0	}	—	—	0.88	} Overcast.
18	9	38.4	34.8					
Sunday 21								
19	15	49.3	42.2	}	57.0	37.0	0.50	} Densely overcast at 9 ^h , with frequent and violent N.W. squalls.
19	21	50.0	42.0					
20	3	57.0	43.2	}	59.8	48.5	0.0	} Clear and fine.
20	9	52.0	43.0					
20	15	49.0	41.2	}	60.2	45.6	0.25	} Clear from 3 ^h to 9 ^h ; overcast, but fine.
20	21	52.2	45.2					
21	3	57.5	45.8	}	60.4	45.3	0.0	} Clear and fine; overcast.
21	9	48.4	44.0					
21	15	46.7	41.8	}	58.8	39.6	0.50	} Thick fog; clear and cloudless.
21	21	49.4	42.4					
22	3	58.7	43.0	}	55.0	39.8	0.0	} Thickly overcast, with fog; clear from 9 ^h to 15 ^h ; again overcast.
22	9	50.7	42.1					
22	15	47.0	42.0	}	—	—	0.38	} Overcast.
22	21	48.6	44.3					
23	3	53.2	49.0	}	56.0	38.2	0.62	} Overcast, with fog and occasional thick rain.
23	9	48.0	47.3					
23	15	43.2	42.2	}	50.0	36.2	0.25	} Overcast and gloomy, with rain; occasionally fine.
23	21	43.0	41.5					
24	3	53.0	48.0	}	50.3	37.7	0.0	} Overcast.
24	9	42.4	43.4					
24	15	41.8	41.2	}	51.2	41.3	0.0	} Overcast, with rain and cum.-strat. intermixed; squally.
24	21	43.3	42.0					
25	3	53.5	44.4	}	53.5	47.0	1.0	} Partially overcast, with cum. and cir.-cum.; squally.
25	9	43.2	38.5					
Sunday 21								
26	15	44.8	44.4	}	56.2	48.0	0.20	} Generally overcast, with cum. and haze.
26	21	45.8	44.8					
27	3	47.2	45.8	}	56.2	48.0	0.07	} Generally overcast, with cum. and haze.
27	9	44.8	43.8					
27	15	40.1	39.0	}	51.2	41.3	0.13	} Overcast, with rain and cum.-strat. intermixed; squally.
27	21	40.0	38.2					
28	3	48.4	39.0	}	53.5	47.0	0.88	} Partially overcast, with cum. and cir.-cum.; squally.
28	9	42.4	41.0					
28	15	39.6	35.5	}	56.2	48.0	0.88	} Generally overcast, with cum. and haze.
28	21	42.6	36.8					
29	3	48.2	33.0	}	56.2	48.0	0.62	} Generally overcast, with cum. and haze.
29	9	41.2	38.2					
29	15	42.0	39.5	}	56.2	48.0	0.75	} Generally overcast, with cum. and haze.
29	21	48.3	40.2					
30	3	51.0	42.0	}	56.2	48.0	1.0	} Generally overcast, with cum. and haze.
30	9	48.0	44.0					
30	15	47.2	37.2	}	56.2	48.0	0.62	} Generally overcast, with cum. and haze.
30	21	49.8	—					
31	3	54.6	40.1	}	56.2	48.0	0.75	} Generally overcast, with cum. and haze.
31	9	48.5	41.2					
31	15	50.5	—	}	56.2	48.0	0.88	} Generally overcast, with cum. and haze.
31	21	52.9	47.4					
JUNE.								
1	3	57.2	45.5	}	—	—	0.25	} Clear sky.
1	9	51.8	45.5					
Sunday 21								
2	15	51.3	41.4	}	60.2	47.0	0.25	} Fresh gale, with clear sky at 3 ^h ; overcast at 15 ^h ; less wind; rain.
2	21	53.5	49.6					
3	3	61.2	42.3	}	63.2	44.4	1.0	} Overcast, with strong squalls and gloomy.
3	9	49.0	43.0					
3	15	46.0	41.0	}	63.2	44.4	0.38	} Overcast, with strong squalls and gloomy.
3	21	46.3	39.6					

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
JUNE.								
D.	H.			°	°	In.		
4	3	52.3	40.8	57.0	45.5	0.04	0.88	Gloomy; wind strong and squally.
4	9	50.3	43.2					
4	15	50.8	42.8					
4	21	54.8	43.1					
5	3	55.8	41.8	62.0	42.5		0.13	Finer, with occasional rain.
5	9	46.2	39.8					
5	15	43.5	35.0					
5	21	45.0	37.6					
6	3	50.7	39.8	53.5	44.7		0.25	A violent N.W. gale in squalls, with fine intervals.
6	9	45.3	37.4					
6	15	47.5	40.8					
6	21	49.0	47.7					
7	3	51.4	35.2	53.8	45.5		0.38	Moderate; clear and generally fine.
7	9	46.4	36.2					
7	15	47.0	37.6					
7	21	47.3	40.5					
8	3	54.8	46.6	—	—		0.13	Fine.
8	9	54.0	47.8					
Sunday 21								
9	15	42.8	36.6	57.5	41.7		0.88	Light cum.-strat., but fine.
9	21	44.7	38.0					
10	3	51.2	40.2	53.8	36.6		0.13	Generally clear.
10	9	45.8	38.6					
10	15	39.7	37.5					
10	21	41.2	40.6					
11	3	49.5	43.8	53.0	36.3		0.0	Clear and fine at 3 ^h ; overcast from 21 ^h .
11	9	40.2	38.2					
11	15	37.8	36.4					
11	21	38.5	36.5					
12	3	46.9	41.4	49.5	38.7		0.75	Overcast and gloomy; clear at 21 ^h .
12	9	43.3	41.2					
12	15	42.0	39.7					
12	21	43.5	39.5					
13	3	48.5	44.6	52.8	38.2		0.75	Overcast and gloomy, with little wind; clear at 21 ^h .
13	9	39.6	36.7					
13	15	40.0	37.2					
13	21	41.7	37.5					
14	3	49.0	40.2	50.8	34.5		0.0	Much fog and dew; cloudless and very fine from 15 ^h .
14	9	38.5	37.8					
14	15	36.3	35.5					
14	21	37.8	36.8					
15	3	47.2	39.5	—	—		0.0	Overcast.
15	9	43.7	40.2					
Sunday 21								
16	15	38.5	36.5	52.2	37.5		1.0	Overcast with strat.; damp.
16	21	39.2	37.1					
17	3	44.0	40.2	48.0	37.5		0.0	Raw and damp.
17	9	45.0	41.0					
17	15	38.2	37.4					
17	21	39.2	37.0					
18	3	49.5	43.8	52.3	37.1		0.62	A few light showers; gloomy, but generally fine.
18	9	44.5	37.4					
18	15	41.6	35.0					
18	21	39.0	35.0					
19	3	45.6	33.1	50.2	38.4	0.70	0.50	Heavy rain and snow, with N.W. squalls; gloomy.
19	9	41.2	32.2					
19	15	42.0	39.8					
19	21	41.2	40.0					
20	3	40.4	35.0	45.0	33.2	0.16	—	Snow squalls, with fine intervals; rain.
20	9	35.0	33.2					
20	15	34.2	31.9					
20	21	35.6	27.0					

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
JUNE.								
D.	H.	°	°	°	°	In.		
21	3	40·3	25·8	47·5	35·7	0·03	0·13	Gloomy and overcast; a fresh N.W. gale; occasional rain.
21	9	38·7	32·0				0·62	
21	15	44·5	39·4				1·0	
21	21	44·2	36·5				0·62	
22	3	48·5	36·5	—	—	—	0·25	Becoming fine.
22	9	47·0	41·4				0·38	
Sunday 21								
23	15	43·8	38·2	56·0	39·8	0·26	0·75	Light showers and squalls; gloomy and clear at intervals.
23	21	41·5	37·5				0·62	
24	3	42·8	38·5	45·8	34·6	0·05	1·0	Overcast and gloomy to 15 ^h , with snow and squalls.
24	9	38·5	34·0				1·0	
24	15	37·2	31·6				0·75	
24	21	40·2	36·0				0·38	
25	3	42·2	37·8	47·0	38·5	0·65	0·50	Constant heavy showers and squalls.
25	9	39·5	38·0				1·0	
25	15	43·2	42·8				0·75	
25	21	42·8	39·8				1·0	
26	3	49·0	47·0	50·8	41·2	—	1·0	Drizzling rain, overcast and gloomy.
26	9	49·0	44·0				0·13	
26	15	46·2	39·8				0·75	
26	21	43·0	40·8				1·0	
27	3	48·2	47·0	51·2	35·4	—	0·75	A thick fog, but fine.
27	9	44·8	43·0				0·0	
27	15	39·0	27·8				0·75	
27	21	37·8	37·5				0·38	
28	3	46·8	40·2	49·0	35·2	—	0·62	A thick fog; overcast, fine.
28	9	38·2	37·4				1·0	
28	15	37·0	36·2				0·62	
28	21	38·2	36·5				0·13	
29	3	43·0	39·8	—	—	—	1·0	Overcast.
29	9	38·0	37·2				1·0	
Sunday 21								
30	15	39·0	34·9	46·0	35·3	—	0·88	Overcast, but generally fine.
30	21	39·8	—				0·0	
JULY.								
1	3	44·8	35·4	47·0	33·4	—	1·0	Gloomy and overcast; raw.
1	9	36·8	33·8				0·38	
1	15	37·5	36·2				1·0	
1	21	36·8	35·2				0·62	
2	3	47·0	43·6	51·0	37·0	—	1·0	Gloomy and overcast, with drizzling rain; little wind.
2	9	48·0	48·0				1·0	
2	15	47·6	48·0				1·0	
2	21	48·5	47·8				1·0	
3	3	52·4	47·5	54·6	42·3	0·32	1·0	Thick fog; overcast, with drizzling rain; clear from 15 ^h .
3	9	48·3	48·0				1·0	
3	15	44·8	44·0				0·0	
3	21	44·2	43·8				0·25	
4	3	50·5	45·0	53·0	35·8	—	0·0	Fine, clear, and nearly cloudless.
4	9	41·4	39·4				0·13	
4	15	—	—				0·25	
4	21	37·6	36·8				0·38	
5	3	46·0	40·0	49·0	37·0	—	0·88	Dark cum.; snow squalls.
5	9	44·8	42·2				1·0	
5	15	43·6	41·0				1·0	
5	21	40·8	29·0				0·38	
6	3	41·0	—	—	—	—	0·0	Partially clouded.
6	9	38·7	31·0				0·50	
Sunday 21								
7	15	48·7	45·2	52·0	34·7	—	0·62	Showers and squalls; at 21 ^h clear sky and fresh breeze.
7	21	44·7	36·8				0·0	

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.	
		Air.	Dew Point.	Max. Therm.	Min. Therm.				
JULY.									
D.	H.	°	°	°	°	In.			
8	3	47.1	35.4	49.8	40.5		0.38	Thin light cum. and very fine.	
8	9	41.7	35.0						0.25
8	15	41.2	37.4						0.25
8	21	44.5	37.7						0.25
9	3	50.5	39.3	53.0	33.8		0.0	Clear blue sky, with a thick fog; gloomy and overcast.	
9	9	43.2	38.5						0.0
9	15	38.0	35.7						1.0
9	21	35.3	35.2						1.0
10	3	44.2	42.8	47.8	34.7		1.0	Overcast; very little wind; rain.	
10	9	44.0	40.5						1.0
10	15	44.0	44.0						1.0
10	21	43.8	42.5						0.38
11	3	51.0	45.5	53.0	42.6		0.50	Thickly overcast and gloomy, with occasional rain.	
11	9	45.0	43.8						1.0
11	15	43.7	43.0						1.0
11	21	44.0	41.5						1.0
12	3	46.8	44.5	48.8	43.5		0.88	Rainy; misty; overcast and gloomy throughout.	
12	9	44.6	43.2						1.0
12	15	44.8	43.5						1.0
12	21	46.3	46.2						1.0
13	3	48.5	46.9	—	—		1.0	Overcast.	
13	9	46.8	46.6						1.0
Sunday 21						0.05			
14	15	41.7	39.5	51.2	39.6		0.88	Generally overcast and calm; light showers.	
14	21	40.6	37.5						0.88
15	3	45.8	39.5	48.4	36.2		0.25	Fine at intervals; gloomy, with showers.	
15	9	41.0	39.5						0.50
15	15	39.3	35.4						1.0
15	21	38.3	37.5						0.50
16	3	46.4	39.8	49.0	38.0		0.38	Frequent showers.	
16	9	42.8	41.3						0.75
16	15	41.5	40.8						1.0
16	21	44.6	42.0						0.62
17	3	48.0	41.8	51.2	42.2		1.0	Passing showers and gloomy; fine at intervals.	
17	9	45.0	43.8						1.0
17	15	43.7	43.4						0.75
17	21	44.8	44.0						0.25
18	3	49.7	45.5	56.2	36.4		0.0	Clear; nearly cloudless at intervals.	
18	9	40.8	40.0						0.50
18	15	—	—						0.13
18	21	40.8	40.0						0.13
19	3	46.2	41.4	48.0	35.0		0.0	Overcast and gloomy, with snow and hail.	
19	9	37.5	38.1						0.88
19	15	36.5	35.5						1.0
19	21	38.2	38.2						1.0
20	3	42.2	34.8	—	—		0.13	Clear.	
20	9	35.5	33.0						0.0
Sunday 21						0.45			
21	15	35.0	32.5	45.8	32.5		0.88	Hoar frost; strong squally breeze.	
21	21	38.0	32.5						1.0
22	3	44.8	42.5	47.5	36.8		0.25	A few light cum.; very fine.	
22	9	41.2	39.0						0.25
22	15	39.0	36.2						0.75
22	21	40.5	36.0						0.50
23	3	48.0	43.2	50.8	37.0		0.0	A few light cum.; squally breeze; very fine.	
23	9	39.8	39.8						0.25
23	15	38.0	36.4						0.88
23	21	42.0	37.2						0.25
24	3	44.7	34.4	49.2	34.2		0.0	Raw and fine; overcast, with cum.-strat. clouds.	
24	9	39.0	31.5						0.0
24	15	35.5	32.1						0.62
24	21	38.3	33.7						1.0

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
JULY.								
D.	H.	°	°	°	°	In.		
25	3	45.2	34.5	49.8	38.3		0.0	Cum. and light cir. haze, and very fine.
25	9	44.0	36.6			0.62		
25	15	45.0	40.7	0.50				
25	21	45.8	34.5	0.0				
26	3	50.0	38.4	52.5	37.8		1.0	Overcast from 3 ^h to 9 ^h .
26	9	41.0	38.0			1.0		
26	15	40.1	35.8			0.0		
26	21	40.8	38.2	—	—		0.0	Nearly overcast.
27	3	49.7	41.8			0.62		
27	9	39.6	37.8	0.88				
Sunday 21								
28	15	44.0	42.8	52.0	35.2		1.0	Generally with dense cum. ; gloomy.
28	21	45.6	43.4			0.25		
29	3	51.0	44.4	53.5	39.3		0.88	Overcast and gloomy, with occasional rain.
29	9	41.2	40.0			1.0		
29	15	42.3	40.0			1.0		
29	21	43.5	41.5	51.2	37.2		1.0	Overcast at 3 ^h ; cloudless and very fine.
30	3	49.6	44.0			0.38		
30	9	44.2	43.6	50.0	31.8		0.0	Unusually clear and cloudless; very fine.
30	15	40.2	39.8			0.0		
30	21	40.7	40.0			0.0		
31	3	48.0	36.2	—	—		0.0	
31	9	38.2	35.4			0.0		
31	15	34.8	33.2			0.0		
31	21	35.2	32.0			0.0		
AUGUST.								
1	3	47.2	37.0	49.5	34.8		0.38	Clear, fine, and raw.
1	9	38.5	36.0			0.13		
1	15	37.1	34.5	0.25				
1	21	38.5	34.8	0.0				
2	3	51.9	40.0	53.8	34.8		0.0	Clear at 3 ^h ; overcast, with heavy cum. and gloomy.
2	9	41.7	40.0			0.88		
2	15	37.0	36.0			1.0		
2	21	36.8	34.2	—	—		1.0	Gloomy.
3	3	47.6	48.2			0.75		
3	9	45.0	44.2	—				
Sunday 21								
4	15	43.1	40.6	57.5	36.0		0.0	Clear and fine.
4	21	42.2	40.0			0.13		
5	3	53.5	44.5	55.2	38.4		0.0	Much dew; overcast, light rain.
5	9	43.1	41.4			0.88		
5	15	39.8	38.7			1.0		
5	21	42.0	41.2	50.4	41.4		0.62	Overcast, with passing squalls and showers.
6	3	48.8	45.0			0.75		
6	9	43.8	39.2	52.0	35.3		1.0	Overcast and gloomy.
6	15	42.5	36.8			1.0		
6	21	45.2	37.4			0.75		
7	3	48.0	42.0	48.0	40.0		0.62	Overcast and gloomy; light rain occasionally.
7	9	41.5	35.2			1.0		
7	15	39.2	32.8	50.3	41.2		1.0	Overcast and gloomy, with rain at intervals.
7	21	40.2	37.0			0.88		
8	3	47.2	36.5	—	—		1.0	Overcast.
8	9	42.5	39.2			0.88		
8	15	42.0	40.0			1.0		
8	21	42.5	40.0	55.0	41.2		1.0	Overcast and gloomy, with light showers.
9	3	48.4	40.1			0.88		
9	9	45.3	42.2	—	—		1.0	
9	15	43.0	42.5			0.15		
9	21	44.3	41.8	—	—		1.0	
10	3	50.2	46.8			0.88		
10	9	44.0	43.0	0.01				
Sunday 21								
11	15	43.8	42.2	55.0	41.2		1.0	Overcast and gloomy, with light showers.
11	21	44.3	41.8			0.62		

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max Therm.	Min Therm.			
AUGUST.						In.		
D.	H.							
12	3	50°4	44°6	°	°		0·88	
12	9	44·2	43·4	} 54·0	} 42·7	} 0·03	1·0	} Occasional showers.
12	15	43·0	42·8				0·88	
12	21	44·2	41·8	} 53·5	} 36·3	} 0·50	0·0	} Clear and fine; overcast and gloomy; calm.
13	3	49·0	44·0				0·13	
13	9	42·5	42·0	} 52·5	} 40·3	} 0·25	1·0	} Overcast; sleet and rain.
13	15	39·4	37·4				0·75	
13	21	40·0	38·8	} 45·2	} 35·3	} 1·0	1·0	} Overcast and gloomy, with light showers.
14	3	49·7	40·4				0·62	
14	9	43·2	43·0	} 49·0	} 36·0	} 1·0	0·0	} Misty; partially overcast; light rain at intervals.
14	15	44·9	44·9				0·62	
14	21	44·3	43·2	} —	} —	} 1·0	1·0	} Overcast.
15	3	38·5	30·2				1·0	
15	9	36·4	26·2	} 51·0	} 40·3	} 0·08	1·0	} Overcast and gloomy; light showers.
15	15	39·0	27·8				0·25	
15	21	39·9	34·8	} 52·5	} 42·3	} 1·0	0·75	} At intervals overcast and fine.
16	3	47·5	40·8				1·0	
16	9	41·0	40·2	} 55·0	} 40·8	} 0·38	0·38	} Overcast; rain and squalls.
16	15	39·5	37·6				0·25	
16	21	41·0	36·6	} 53·8	} 43·4	} 0·50	0·50	} Overcast; with light rain and squalls.
17	3	48·7	43·2				1·0	
17	9	43·4	42·8	} 53·8	} 39·7	} 0·04	1·0	} Overcast; raw.
Sunday	21						0·75	
18	15	44·0	42·8	} 51·5	} 38·8	} 0·62	0·62	} Partially overcast.
18	21	45·6	43·3				1·0	
19	3	50·5	46·0	} —	} —	} 0·0	0·0	} Fine.
19	9	44·0	42·8				0·0	
19	15	43·2	34·2	} 54·0	} 27·0	} 0·50	0·50	} Hazy; fine.
19	21	43·8	37·5				0·88	
20	3	51·8	42·2	} 55·5	} 38·0	} 0·75	0·13	} Generally clear and fine.
20	9	45·4	39·0				0·25	
20	15	41·8	36·2	} 55·2	} 40·5	} 0·0	0·0	} Mostly overcast, but fine.
20	21	44·2	34·3				1·0	
21	3	51·8	36·0	} 55·0	} 39·0	} 0·38	0·38	} Partially overcast; light showers.
21	9	45·6	37·5				0·88	
21	15	46·5	40·2	} —	} —	} 0·75	0·75	} Fine.
21	21	44·3	41·4				0·0	
22	3	51·5	42·2	} 54·0	} 27·0	} 0·50	0·50	} Hazy; fine.
22	9	41·8	36·0				0·88	
22	15	40·8	36·2	} 55·5	} 38·0	} 0·75	0·13	} Generally clear and fine.
22	21	43·8	36·0				0·25	
23	3	48·9	33·2	} 55·2	} 40·5	} 0·0	0·0	} Mostly overcast, but fine.
23	9	42·1	33·6				1·0	
23	15	40·0	33·1	} 55·0	} 39·0	} 0·38	0·38	} Partially overcast; light showers.
23	21	43·3	36·6				0·88	
24	3	46·4	37·3	} —	} —	} 0·75	0·75	} Fine.
24	9	45·8	38·0				0·0	
Sunday	21			} 54·0	} 27·0	} 0·50	0·50	} Hazy; fine.
25	15	39·2	35·5				0·88	
25	21	43·3	38·5	} 55·5	} 38·0	} 0·75	0·13	} Generally clear and fine.
26	3	53·7	40·2				0·25	
26	9	46·7	43·4	} 55·2	} 40·5	} 0·0	0·0	} Mostly overcast, but fine.
26	15	41·4	38·9				1·0	
26	21	42·5	39·0	} 55·0	} 39·0	} 0·38	0·38	} Partially overcast; light showers.
27	3	53·8	41·8				0·88	
27	9	42·4	38·0	} —	} —	} 0·75	0·75	} Fine.
27	15	41·5	39·8				0·0	
27	21	44·0	40·4	} 54·0	} 27·0	} 0·50	0·50	} Hazy; fine.
28	3	52·8	41·6				0·88	
28	9	44·5	40·4	} 55·5	} 38·0	} 0·75	0·13	} Generally clear and fine.
28	15	40·4	39·8				0·25	
28	21	46·0	40·6	} 55·2	} 40·5	} 0·0	0·0	} Mostly overcast, but fine.
28	3	52·8	41·6				1·0	
28	9	44·5	40·4	} 55·0	} 39·0	} 0·38	0·38	} Partially overcast; light showers.
28	15	40·4	39·8				0·88	
28	21	46·0	40·6	} —	} —	} 0·75	0·75	} Fine.
28	3	52·8	41·6				0·0	

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
AUGUST.								
D.	H.	°	°	°	°	In.		
29	3	54.1	44.2	57.8	40.0	In.	0.13	Fine; passing showers.
29	9	44.3	42.5					
29	15	41.2	39.5					
29	21	44.8	39.8					
30	3	47.5	42.2	53.8	39.4		1.0	Overcast, with cum.; clear and fine.
30	9	42.4	33.7					
30	15	42.0	32.8					
30	21	43.8	37.4					
31	3	51.8	37.4	—	—		0.25	Fine.
31	9	43.7	38.5					
Sunday 21								
SEPTEMBER								
1	15	39.5	38.2	60.8	38.2		0.13	Clear and fine; overcast and gloomy.
1	21	47.5	41.5					
2	3	56.8	43.4	59.6	39.0		0.75	Fine and clear.
2	9	49.0	45.0					
2	15	43.0	40.8					
2	21	45.6	39.8					
3	3	57.5	43.2	59.0	41.5		0.0	Clear and cloudless from 3 ^h to 9 ^h ; fresh N. gale.
3	9	47.5	38.3					
3	15	42.2	36.0					
3	21	48.5	38.2					
4	3	59.3	35.7	61.0	42.4	0.16	1.0	Gloomy and overcast; light showers.
4	9	52.8	45.5					
4	15	44.0	39.5					
4	21	47.7	43.8					
5	3	51.4	40.6	53.4	37.4		0.13	Light cum.; very fine.
5	9	42.4	37.7					
5	15	41.2	36.0					
5	21	44.5	37.2					
6	3	56.2	36.0	58.0	41.4		0.25	Clear and fine at 3 ^h ; overcast and gloomy.
6	9	47.0	39.7					
6	15	42.8	41.0					
6	21	50.4	40.3					
7	3	54.2	29.8	—	—		1.0	Overcast.
7	9	44.0	35.8					
Sunday 21								
8	15	50.2	43.8	59.0	43.0		0.75	Overcast, with fresh gale and squalls; light rain.
8	21	55.8	42.1					
9	3	59.0	39.8	61.3	36.7		0.38	Gloomy and partially overcast; fine.
9	9	45.0	42.2					
9	15	40.1	33.5					
9	21	44.2	34.5					
10	3	51.2	28.0	54.4	37.7	0.01	0.00	Clear and fine until 3 ^h ; partially overcast and gloomy; rain.
10	9	42.2	34.5					
10	15	39.2	33.0					
10	21	47.7	38.2					
11	3	60.2	40.4	63.5	40.5		0.62	Partially overcast.
11	9	49.4	42.2					
11	15	43.5	37.2					
11	21	48.8	36.0					
12	3	50.0	38.0	54.5	35.2		0.0	Fine and clear; partially overcast at 21 ^h .
12	9	42.5	36.5					
12	15	38.0	32.8					
12	21	44.2	37.0					
13	3	54.4	—	55.2	42.3		1.0	Overcast and gloomy.
13	9	46.2	39.8					
13	15	44.0	40.4					
13	21	47.7	40.0					
14	3	52.2	40.4	—	—		0.75	Gloomy and overcast.
14	9	44.8	39.8					
Sunday 21								
15	15	44.0	41.4	58.5	35.7		1.0	Overcast and gloomy; with light drizzling rain.
15	21	48.8	48.0					

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
SEPTEMBER.						In.		
D.	H.	°	°	°	°			
16	3	56.2	43.6	58.0	48.5	2.00	1.0	Heavy rain.
16	9	49.3	49.0					
16	15	49.5	49.0					
16	21	49.4	49.0					
17	3	49.8	49.2	48.8	44.2	1.75	1.0	Continued heavy rain.
17	9	47.7	47.7					
17	15	45.8	45.8					
17	21	46.0	44.6					
18	3	48.0	45.8	49.0	43.4	0.05	1.0	Overcast and gloomy, with occasional rain.
18	9	44.8	44.2					
18	15	44.6	42.5					
18	21	45.0	44.0					
19	3	48.4	43.5	50.2	43.5	0.22	1.0	Overcast and gloomy; continued rain.
19	9	45.7	43.0					
19	15	44.5	44.4					
19	21	46.5	44.8					
20	3	49.5	46.0	51.2	38.8	0.38	0.0	Clear at 15 ^h ; cloudy and dark to N.W. from 15 ^h .
20	9	45.5	46.0					
20	15	40.0	47.0					
20	21	47.2	39.5					
21	3	54.0	—	—	—	0.10	0.25	Fine at intervals.
21	9	47.5	—					
Sunday 21								
22	15	45.0	42.0	55.0	43.7	0.06	1.0	Overcast and gloomy; rain at 15 ^h .
22	21	50.0	45.8					
23	3	52.8	41.5	55.2	40.2	0.13	0.38	Clear and fine; overcast, with showers.
23	9	46.8	40.5					
23	15	42.2	37.0					
23	21	48.0	41.2					
24	3	53.2	45.8	55.5	42.3	0.75	1.0	Occasionally overcast.
24	9	47.6	46.0					
24	15	44.6	—					
24	21	48.8	47.5					
25	3	59.0	46.0	61.3	45.7	0.75	1.0	Overcast, with cum. and cir.-cum.
25	9	49.5	45.0					
25	15	46.2	45.0					
25	21	50.9	46.8					
26	3	59.4	—	61.5	43.8	0.75	0.75	Overcast, with cum. and cir.-cum, but fine.
26	9	48.5	42.0					
26	15	46.2	39.0					
26	21	50.5	40.7					
27	3	58.3	45.6	60.0	41.0	0.25	1.0	Clear and fine.
27	9	48.8	45.0					
27	15	43.5	42.0					
27	21	50.5	45.5					
28	3	60.0	50.0	—	—	1.0	1.0	Overcast.
28	9	50.0	50.0					
Sunday 21								
29	15	51.0	—	67.2	44.2	3.50	1.0	Heavy rain all day.
29	21	50.4	—					
30	3	51.0	—	50.0	48.0	1.50	1.0	Continued rain, with heavy southerly gale.
30	9	49.0	—					
30	15	49.2	48.5					
30	21	49.5	—					
OCTOBER.								
1	3	47.6	—	47.0	43.0	0.46	1.0	Gloomy and overcast, with violent gales and heavy squalls of rain.
1	9	45.5	45.5					
1	15	43.2	—					
1	21	44.8	—					
2	3	50.5	44.0	52.0	40.8	0.75	1.0	Overcast and gloomy; clear and fine at 21 ^h .
2	9	45.0	39.0					
2	15	42.5	—					
2	21	46.0	38.0					

Mean Time Van Diemen Island, Astronomical Reckoning.	TEMPERATURE.				Rain.	Exent of Cloudy Sky.	Weather and Remarks.
	Air.	Dew Point.	Max. Therm.	Min. Therm.			
OCTOBER.							
D. H.					In.		
3 3	53°4	43°2	°	°		0·25	
3 9	44·4	40·8	} 54·2	} 38·3		0·25	} Clear sky and fine; moderate breeze and cloudy.
3 15	40·6	39·5				0·75	
3 21	47·5	41·5				1·0	
4 3	58·5	45·5				0·0	
4 9	48·5	44·0	} 59·2	} 41·0	0·02	0·88	} Clear at 3 ^h ; overcast and cloudy, drizzling rain.
4 15	44·2	39·0				1·0	
4 21	49·7	38·5				1·0	
5 3	50·5	43·0	} —	} —		0·13	} Clear and fine.
5 9	45·2	—				0·13	
Sunday 21							
6 15	46·0	42·8	} 58·0	} 43·0		0·13	} Clear and fine; close of the day overcast.
6 21	53·3	44·5				0·88	
7 3	67·2	47·2	} 68·3	} 50·2		0·75	} Overcast, with a fresh N.W. wind.
7 9	56·3	47·0				1·0	
7 15	52·2	47·5				0·75	
7 21	57·3	48·8				0·25	
8 3	69·5	47·0	} 70·8	} 47·8		0·38	} Fine and clear.
8 9	52·6	49·5				0·13	
8 15	49·5	42·0				0·13	
8 21	55·4	38·8	} 70·2	} 47·4		0·25	} Clear and fine until 9 ^h ; overcast, with occasional showers.
9 3	—	—				0·38	
9 9	56·0	48·0	} 62·5	} 42·6		0·38	} Generally overcast; soft breeze.
9 15	49·4	39·5				0·88	
9 21	56·5	41·5				0·50	
10 3	54·7	—				0·75	
10 9	49·7	48·2	} 60·8	} 47·2	0·06	0·38	} Overcast and gloomy, with occasional light rain.
10 15	45·6	42·0				0·75	
10 21	51·3	42·0	} —	} —	0·04	0·88	} Rain.
11 3	58·2	41·5				1·0	
11 9	49·5	43·0	} 62·3	} 41·0		0·50	} Clear and fine.
11 15	47·5	47·0				1·0	
11 21	52·8	45·5	} 61·5	} 43·2		0·25	} A light haze, but fine.
12 3	60·8	45·0				0·13	
12 9	49·3	40·3	} 66·0	} 43·5		0·25	} Haze, but fine.
Sunday 21						0·38	
13 15	43·0	40·5	} 62·7	} 48·7	0·04	0·38	} Partially overcast, with occasional rain; strong squalls.
13 21	51·8	39·6				1·0	
14 3	60·0	47·0	} 66·0	} 44·7	0·01	0·25	} Strong north-westerly wind, with passing squalls and showers.
14 9	50·8	47·5				0·75	
14 15	45·7	44·8	} 63·3	} 45·6		0·75	} Overcast and gloomy, with hard N.W. squalls.
14 21	52·5	43·5				0·75	
15 3	60·7	49·6	} —	} —		0·75	} Overcast.
15 9	49·9	46·8				0·50	
15 15	47·5	44·6	} 71·0	} 50·8	0·16	0·25	} Heavy rain at 15 ^h , afterwards cleared.
15 21	56·0	49·2				0·38	
16 3	61·6	51·6	} —	} —		0·38	
16 9	53·6	50·5				1·0	
16 15	50·0	44·5	} —	} —		1·0	
16 21	53·3	46·0				0·50	
17 3	64·5	47·0	} —	} —		0·50	
17 9	49·8	42·0				0·75	
17 15	45·8	41·5	} —	} —		0·75	
17 21	52·5	36·0				0·75	
18 3	61·0	44·5	} —	} —		0·50	
18 9	48·8	43·6				1·0	
18 15	46·5	41·0	} —	} —		0·75	
18 21	55·5	40·5				0·75	
19 3	71·4	49·5	} —	} —		0·88	
19 9	60·3	49·0				0·75	
Sunday 21							
20 15	51·0	41·2	} 71·0	} 50·8	0·16	1·0	} Heavy rain at 15 ^h , afterwards cleared.
20 21	55·0	47·5				0·50	

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max Therm.	Min Therm.			
OCTOBER.								
D.	H.					In.		
21	3	50°6	48°0	°	°	0·75	} Overcast, but fine; heavy N. westerly gale.	
21	9	47°3	46°5	}	46°5	0·75		
21	15	50°6	44°5			0·25		
21	21	56°2	45°5	1·0				
22	3	70°9	47°2	}	72°2	0·38	} Heavy N.W. gale, with squalls.	
22	9	59°7	50°8			0·0		
22	15	60°5	—			1·0		
22	21	57°2	41°5			0·88		
23	3	65°4	37°0	}	65°5	0·88	} Strong N.W. gale, with frequent hard gusts.	
23	9	57°0	—			0·50		
23	15	50°6	—			0·38		
23	21	62°0	—			0·50		
24	3	62°0	41°0	}	64°2	0·50	} Clear and fine; at intervals overcast.	
24	9	49°3	38°4			0·25		
24	15	45°0	—			1·0		
24	21	53°8	37°2			0·62		
25	3	61°7	38°8	}	63°7	0·38	} Showery; strong breeze, with snow and sleet.	
25	9	50°5	41°0			0·50		
25	15	43°6	37°5			0·75		
25	21	46°5	32°4			1·0		
26	3	49°8	29°5	}	—	1·0	} Overcast.	
26	9	38°0	28°8			0·88		
Sunday 21								
27	15	47°5	41°0	}	59°2	0·50	} Moderate breeze and fine.	
27	21	55°5	42°0			0·25		
28	3	67°8	43°0	}	70°0	0·25	} Clear and fine until 15 ^h ; overcast and gloomy.	
28	9	53°2	36°5			0·13		
28	15	48°5	36°5			1·0		
28	21	63°8	38°7			1·0		
29	3	68°5	47°8	}	70°0	0·38	} Light cir. and cir.-cum.; fine.	
29	9	50°2	38°8			0·75		
29	15	45°8	38°0			0·25		
29	21	52°8	36°2			0·13		
30	3	58°4	29°0	}	60°8	0·13	} Clear and fine.	
30	9	46°5	24°0			0·0		
30	15	42°6	32°0			0·25		
30	21	53°3	37°0			0·13		
31	3	64°0	38°7	}	66°8	0·0	} Fine; at intervals overcast.	
31	9	49°3	32°5			0·0		
31	15	44°5	36°0			0·88		
31	21	56°8	41°3			0·50		
NOVEMBER.								
1	3	60°6	47°5	}	64°5	0·13	} Fine and clear at 3 ^h ; overcast and hazy, with occasional rain.	
1	9	51°5	46°5			1·0		
1	15	43°5	40°0			1·0		
1	21	56°0	44°5			1·0		
2	3	65°2	42°2	}	—	1·0	} Overcast.	
2	9	54°5	46°0			1·0		
Sunday 21								
3	15	49°0	—	}	69°2	1·0	} Overcast, with light rain.	
3	21	50°2	45°4			0·50		
4	3	58°2	50°8	}	64°8	1·0	} Overcast and hazy; strong N. westerly gale; light showers.	
4	9	50°6	38°5			0·38		
4	15	50°0	36°0			0·62		
4	21	61°8	41°5			0·88		
5	3	60°0	—	}	70°0	0·50	} Passing squalls and showers.	
5	9	50°0	42°0			0·50		
5	15	51°7	37°0			0·50		
5	21	49°8	37°8			0·75		
6	3	58°7	32°0	}	61°5	1·0	} Overcast and gloomy, with light showers.	
6	9	48°3	36°5			0·50		
6	15	45°4	39°0			1·0		
6	21	55°2	41°6			0·75		

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
NOVEMBER.		°	°	°	°	In.		
D.	H.							
7	3	61.2	45.0	66.5	33.5	0.01	0.75	Light showers.
7	9	54.2	43.5				0.38	
7	15	48.0	39.0				0.50	
7	21	52.0	34.5	56.3	43.0		1.0	Light showers; fresh sea breeze, with frequent squalls.
8	3	53.0	39.0				0.75	
8	9	46.0	37.0				0.75	
8	15	43.8	36.7	—	—		0.50	Clear.
8	21	48.8	41.5				0.62	
9	3	55.2	40.4				0.25	
9	9	48.6	40.0				0.0	
Sunday 21								
10	15	41.5	39.5	62.2	41.2		0.0	Clear; wind N.W., moderate.
10	21	55.2	43.0				0.0	
11	3	66.5	44.0	66.8	43.7		0.0	Clear and fine; moderate sea breeze.
11	9	50.0	42.0				0.0	
11	15	44.8	42.6				0.0	
11	21	61.0	45.0	79.5	46.0		0.62	Dark cum. and cum.-strat. generally diffused.
12	3	79.5	43.0				0.88	
12	9	64.3	41.5				0.50	
12	15	58.8	40.5	70.5	51.0		0.62	Cum.-strat. in detached masses.
12	21	66.0	46.0				0.0	
13	3	68.8	50.5				0.0	
13	9	55.7	48.5	66.0	50.3	0.17	0.75	Overcast and misty, with rain.
13	15	51.0	42.0				0.75	
13	21	60.2	41.7				0.75	
14	3	63.0	48.0	60.0	45.0		1.0	Gloomy and overcast.
14	9	53.0	47.0				1.0	
14	15	51.6	48.0				1.0	
14	21	52.5	51.2	—	—		0.88	Overcast and gloomy.
15	3	59.2	51.6				0.38	
15	9	52.3	42.4				0.38	
15	15	45.4	40.8	60.0	45.0		0.75	Overcast and gloomy.
15	21	50.5	33.0				1.0	
16	3	56.2	42.0				1.0	
16	9	47.0	39.5				1.0	
Sunday 21								
17	15	50.1	42.2	60.0	44.0	0.03	1.0	Overcast and gloomy, with light drizzling rain.
17	21	52.7	47.5				1.0	
18	3	56.0	48.8	58.0	51.0	0.23	1.0	Overcast, with light drizzling rain.
18	9	51.2	50.3				1.0	
18	15	50.2	50.5				1.0	
18	21	55.5	54.0	64.0	47.8	0.49	0.88	Overcast, with heavy rain from 15 ^h .
19	3	57.0	55.3				0.38	
19	9	53.8	52.5				0.38	
19	15	49.0	42.0	67.2	41.0	0.01	1.0	Clear and fine at 9 ^h ; overcast, with light rain.
19	21	61.0	49.2				1.0	
20	3	59.0	—				0.50	
20	9	49.0	44.0	65.0	50.0	0.09	0.13	Gloomy and overcast, with light rain.
20	15	43.3	38.8				0.50	
20	21	54.5	40.5				1.0	
21	3	62.8	44.8	59.8	48.3	0.12	0.88	Overcast and gloomy, with occasional light drizzling rain.
21	9	52.5	49.0				1.0	
21	15	49.0	47.5				1.0	
21	21	55.0	46.0	—	—		1.0	Fine.
22	3	55.4	51.0				1.0	
22	9	50.5	50.5				1.0	
22	15	49.4	49.0	62.0	46.0		0.75	Fine, with moderate S.E. sea breeze.
22	21	55.0	49.2				1.0	
23	3	56.0	50.5				0.0	
23	9	52.5	50.0				0.13	
Sunday 21								
24	15	46.2	42.5	62.0	46.0		0.0	Fine, with moderate S.E. sea breeze.
24	21	57.0	47.0				0.13	

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
NOVEMBER.								
D.	H.	°	°	°	°	In.		
25	3	65.3	52.8	67.6	45.0		1.0	Overcast, but fine.
25	9	54.0	51.5					
25	15	52.2	49.4					
25	21	63.3	54.8	70.5	51.0		0.25	Partially overcast, but fine.
26	3	66.0	58.0					
26	9	56.0	54.0					
26	15	52.3	51.3	79.5	51.5		0.0	Overcast and gloomy.
26	21	67.0	53.0					
27	3	70.1	55.8					
27	9	63.2	56.6	66.0	51.3	0.03	0.50	Cum. and cum.-strat. in heavy masses; occasional squalls, with rain.
27	15	58.4	56.0					
27	21	65.5	59.5					
28	3	59.4	52.5	64.5	42.0	0.11	0.75	Clear and fine at 3 ^h ; squally, with showers of rain and hail.
28	9	53.6	^a —					
28	15	52.5	^a —					
28	21	57.0	40.2	—	—		0.62	Clear and fine.
29	3	60.0	—					
29	9	44.0	38.0					
29	15	42.5	34.8	—	—		0.50	Clear and fine.
29	21	49.0	40.0					
30	3	48.5	37.5					
30	9	44.2	33.5				0.25	
Sunday 21								
DECEMBER.								
1	15	43.6	40.0	61.0	40.3		0.0	Clear and fine.
1	21	56.0	44.0					
2	3	64.0	46.0	65.5	48.5		0.38	Fine, with fresh sea breeze.
2	9	53.0	51.0					
2	15	50.5	47.6					
2	21	62.3	50.5	67.0	48.0		1.0	Overcast and gloomy at 3 ^h ; clear and fine.
3	3	63.0	48.4					
3	9	54.4	46.5					
3	15	53.8	48.0	73.5	48.4		0.0	Fine, with strong sea breeze.
3	21	64.5	53.0					
4	3	73.2	59.0					
4	9	58.0	53.5	74.0	50.0		0.75	Overcast, with a thick haze.
4	15	58.0	51.0					
4	21	71.5	47.0					
5	3	66.0	56.0	72.0	62.0	0.04	1.0	Fine; occasional squalls, with rain.
5	9	54.0	48.0					
5	15	52.6	46.5					
5	21	63.0	49.0	—	—		0.25	Overcast at intervals.
6	3	66.7	55.5					
6	9	65.0	55.5					
6	15	62.4	59.0	77.2	48.8		0.62	Generally overcast and gloomy.
6	21	68.0	54.0					
7	3	77.2	46.8					
7	9	58.6	42.5	72.5	47.0		0.38	Clear and fine.
8	15	53.6	51.4					
8	21	62.0	46.5					
9	3	64.7	54.0	68.8	46.3		0.75	Sultry and close.
9	9	56.8	51.0					
9	15	48.4	42.0					
9	21	58.5	43.0	78.0	59.3		0.0	Gloomy, with squalls of wind and rain.
10	3	68.0	47.5					
10	9	57.0	48.0					
10	15	53.0	45.0	—	—		1.0	
10	21	63.5	44.8					
11	3	72.0	59.0					
11	9	62.0	58.0	—	—		1.0	
11	15	60.3	57.0					
11	21	67.7	59.0					

^a Hygrometer broken.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
DECEMBER.								
D.	H.					In.		
12	3	71°0	39°4	°	°	0°0		
12	9	57°6	38°0	} 72°5	48°0	0°50	}	At 17 hours heavy rain and thunder.
12	15	49°5	41°5			1°0		
12	21	63°0	44°0			0°88		
13	3	67°6	53°5	} 70°0	47°5	0°0	}	Vivid sheet lightning to S.E.; afternoon, fresh squalls, with passing showers.
13	9	53°6	50°8			0°75		
13	15	48°5	44°0			—		
13	21	57°2	45°0	} —	—	0°75	}	Overcast.
14	3	64°0	39°0			1°0		
14	9	53°0	47°0			1°0		
Sunday 21								
15	15	51°2	42°2	} 66°0	52°0	0°0	}	Haze; light sea breeze.
15	21	54°0	45°0			0°0		
16	3	64°8	48°5	} 64°3	49°5	1°0	}	Gloomy and overcast; clear and fine from 15 ^h
16	9	51°5	46°5			1°0		
16	15	52°0	47°0			0°0		
16	21	60°3	46°7	} 68°5	48°8	0°0	}	Fine, with fresh sea breeze.
17	3	68°0	—			0°0		
17	9	57°0	51°0			0°38		
17	15	50°5	—	} 71°8	53°4	0°0	}	Overcast and sultry.
17	21	63°7	56°5			0°13		
18	3	69°8	54°7			0°50		
18	9	59°3	54°0	} 78°0	53°2	0°75	}	Thunder, with vivid sheet lightning and rain; clear at 21 ^h .
18	15	54°6	52°8			1°0		
18	21	69°4	55°5			1°0		
19	3	74°0	61°0	} 74°2	49°7	1°0	}	Overcast at 3 ^h ; thin haze and very fine.
19	9	65°2	59°2			0°25		
19	15	61°3	58°8			0°88		
19	21	67°6	51°0	} —	—	0°0	}	Overcast.
20	3	73°0	43°5			0°88		
20	9	56°0	38°5			0°38		
20	15	52°0	36°1	} —	—	—	}	Overcast.
20	21	61°5	41°2			0°0		
21	3	65°7	46°9			0°75		
21	9	54°0	47°8	} 70°7	53°3	0°50	}	Partially overcast, with haze.
22	15	54°2	51°0			1°0		
22	21	64°8	54°2			1°0		
23	3	68°0	55°5	} 69°0	51°0	0°0	}	Gloomy and overcast.
23	9	55°5	48°0			0°0		
23	15	53°7	44°6			0°50		
23	21	63°8	51°0	} —	—	1°0	}	
24	3	70°9	51°0			0°0		
24	9	59°8	—			0°25		
Christ's Day 21								
25	15	59°0	58°0	} 82°0	53°2	0°50	}	Sultry; a hot wind in fresh squalls with much haze.
25	21	71°2	58°5			0°25		
26	3	82°0	45°5	} 83°0	53°7	0°0	}	Generally fine, but sultry; fresh S. easterly gale, with much haze.
26	9	63°0	51°0			0°0		
26	15	55°1	44°4			0°0		
26	21	66°8	45°4	} 71°0	58°0	0°75	}	Overcast and cloudy, with light rain in passing squalls.
27	3	69°2	54°0			1°0		
27	9	58°5	53°5			0°75		
27	15	57°2	55°5	} —	—	1°0	}	Overcast.
27	21	64°0	48°0			0°62		
28	3	64°6	44°8			1°0		
28	9	54°4	40°0	} 69°0	44°5	0°62	}	Partially overcast, with light showers.
29	15	50°0	41°0			0°50		
29	21	58°8	37°7			0°62		

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
DECEMBER.								
D.	H.	°	°	°	°	In.		
30	3	62.5	44.9	°	°		0.88	Squally, with light rain.
30	9	55.2	44.6	}	—	—	0.50	
30	15	52.4	47.8				1.0	
30	21	65.0	49.0	1.0				
31	3	70.2	44.2	}	74.8	52.0	0.75	Light rain; afterwards clear and fine.
31	9	65.4	55.5				—	
31	15	57.5	48.5				0.0	
31	21	64.3	40.0				0.0	

VAN DIEMEN ISLAND, 1845.

MAGNETICAL OBSERVATIONS.

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0' 71. Increasing numbers denote increasing Easterly Declination.													
Mean Göttingen Time. } }	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9.	10h.	11h.	
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	74.7	71.3	72.6	65.8	74.8	74.4	74.4	75.5	74.5	74.5	74.0	70.7
	2	75.4	73.7	72.9	71.1	73.5	74.7	77.3	77.2	73.1	73.2	74.3	70.9
	3	75.0	75.0	74.3	74.7	68.6	73.9	74.2	74.2	73.9	73.8	70.8	70.8
	4	76.8	76.8	75.9	—	—	—	—	—	—	—	—	—
	5	—	—	—	75.3	75.0	74.5	73.3	72.9	71.4	69.8	70.0	70.2
	6	76.9	76.3	75.2	75.7	75.0	74.4	—	72.6	70.8	67.0	64.0	61.9
	7	76.6	76.7	76.1	76.0	75.3	74.8	74.2	75.7	—	68.1	64.3	64.6
	8	75.9	75.9	75.8	74.8	74.9	74.2	73.5	72.7	71.1	67.9	65.3	63.2
	9	75.6	76.1	58.2	65.0	72.2	67.5	69.2	67.9	68.4	64.0	73.7	81.2
	10	75.2	74.3	73.6	72.9	73.9	73.7	72.9	72.2	70.4	66.9	66.0	64.0
	11	76.3	74.1	75.7	—	—	—	—	—	—	—	—	—
	12	—	—	—	70.0	69.1	71.0	74.6	72.0	71.5	70.7	68.1	67.4
	13	75.0	75.2	75.0	73.0	—	—	—	74.0	72.9	71.2	68.7	66.9
	14	75.3	75.5	76.3	76.0	76.2	74.9	73.6	74.1	73.0	71.8	69.6	67.6
	15	76.0	76.2	75.8	74.8	—	74.8	74.2	73.4	73.5	72.3	68.9	68.0
	16	77.0	74.5	71.6	72.0	73.4	74.2	74.9	75.3	74.7	75.1	72.6	69.7
	17	77.0	76.1	75.8	75.1	74.7	74.1	73.9	72.7	72.3	68.2	67.5	68.4
	18	75.2	75.9	75.9	—	—	—	—	—	—	—	—	—
	19	—	—	—	74.1	76.9	73.4	68.1	70.3	70.0	69.9	69.4	73.3
	20	75.1	71.0	70.8	69.1	69.2	69.4	69.7	70.7	71.8	71.1	70.5	69.2
	21	76.5	75.2	76.5	72.8	73.8	73.5	73.9	72.8	75.0	72.0	69.0	66.3
	22	73.9	76.3	76.0	78.8	71.1	74.6	74.5	73.5	73.2	73.3	70.7	69.5
	23	75.0	75.1	75.1	66.9	71.6	74.0	74.3	—	73.0	75.6	69.0	68.8
	24	71.8	72.3	74.5	75.5	75.5	75.6	75.0	73.0	71.5	71.1	69.0	67.7
	25	75.0	67.5	70.2	—	—	—	—	—	—	—	—	—
	26	—	—	—	74.9	75.2	75.9	77.1	73.3	73.8	70.7	67.8	66.2
	27	75.3	75.1	73.4	74.1	76.8	76.2	75.4	75.0	74.1	73.1	72.0	69.9
	28	77.0	75.3	75.8	75.0	71.9	73.1	71.5	69.9	74.7	80.0	73.2	70.5
	29	78.3	77.3	76.4	72.6	72.9	76.5	81.7	88.5	76.2	70.5	69.2	71.7
	30	76.5	75.1	74.7	73.1	—	78.2	75.5	73.8	74.3	75.5	70.4	67.1
31	72.0	74.0	74.6	74.6	75.5	75.4	75.9	76.1	76.2	74.1	70.8	68.5	
Hourly Means	76.67	74.73	74.03	73.10	73.62	74.11	74.11	73.82	72.90	71.53	69.59	68.67	
FEBRUARY.	1	77.3	76.2	75.8	—	—	—	—	—	—	—	—	
	2	—	—	—	74.0	74.5	75.4	76.1	74.0	73.5	72.4	70.2	68.8
	3	74.6	75.9	76.0	76.6	76.2	75.8	75.6	75.3	74.2	73.5	71.2	68.7
	4	75.9	74.7	76.3	74.4	74.6	74.9	74.5	74.2	74.0	72.6	70.0	67.3
	5	76.3	76.5	75.0	72.9	65.5	61.4	66.6	67.9	70.2	69.3	66.9	65.1
	6	73.5	74.2	74.6	75.5	76.2	75.3	75.0	75.4	74.6	73.5	72.0	70.8
	7	77.4	76.8	76.1	75.3	74.5	73.3	74.7	75.8	74.9	73.8	72.7	70.0
	8	74.2	74.8	76.2	—	—	—	—	—	—	—	—	—
	9	—	—	—	76.0	69.8	73.2	73.8	73.2	73.0	72.7	70.0	66.8
	10	72.8	73.9	73.9	74.7	—	74.9	76.1	75.9	75.6	75.1	72.3	69.8
	11	77.2	76.7	76.2	76.3	75.8	76.0	75.4	77.5	75.8	73.1	71.9	70.2
	12	76.3	69.8	73.6	74.8	—	—	75.8	75.8	75.5	75.0	74.2	70.0
	13	77.8	76.9	74.7	74.7	74.6	74.9	75.0	75.0	75.0	75.0	74.0	71.3
	14	77.7	77.1	76.2	75.6	—	74.9	74.3	75.2	74.9	74.3	73.2	71.0
	15	77.2	76.8	76.4	—	—	—	—	—	—	—	—	—
	16	—	—	—	72.1	74.8	74.5	74.1	75.0	75.3	73.6	71.7	68.3
	17	77.5	76.8	74.6	73.5	73.5	73.6	76.4	75.0	75.4	75.1	73.9	71.5
	18	77.1	76.8	76.5	76.2	76.1	75.8	76.0	75.9	75.5	75.2	72.5	69.2
	19	77.0	76.7	76.5	76.0	75.8	75.8	76.0	75.9	74.9	74.3	72.6	70.0
	20	78.4	76.2	73.5	72.9	73.7	76.4	74.8	75.0	75.6	76.2	75.7	75.9
	21	67.0	70.9	75.0	77.2	74.6	75.2	80.7	81.3	77.5	—	75.0	74.2
	22	75.3	73.7	72.5	—	—	—	—	—	—	—	—	—
	23	—	—	—	71.0	74.1	76.3	77.8	78.8	75.1	74.2	74.6	73.6
	24	76.0	74.4	72.0	71.1	79.5	77.1	76.3	78.1	81.9	78.6	77.0	76.3
	25	75.2	75.0	65.5	65.5	70.6	75.9	77.1	78.3	—	76.8	73.8	71.7
	26	76.4	69.5	72.2	70.0	70.6	72.0	75.3	77.0	76.4	75.4	75.4	74.1
	27	76.9	73.6	75.1	73.5	—	74.9	76.7	77.7	79.6	82.1	77.5	73.0
	28	76.1	69.4	69.4	69.6	74.3	76.7	79.8	77.5	77.5	77.6	81.1	76.2
Hourly Means	75.88	74.72	74.31	73.71	73.96	74.53	75.58	75.86	75.47	74.76	73.31	70.99	

DECLINATION.

Angular Value of one Scale Division of the Declinometer = 0'71. Increasing Numbers denote increasing Easterly Declination.

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.
67.8	69.0	—	75.5	79.0	81.8	81.7	80.8	81.4	76.8	77.1	76.3	74.97
70.4	70.0	73.0	76.6	78.9	77.9	77.3	77.2	77.5	77.7	76.0	76.2	74.83
71.2	71.9	73.7	77.1	80.3	80.9	79.1	79.8	79.4	78.7	77.8	77.1	75.26
—	—	—	—	—	—	—	—	—	—	—	—	76.43
72.8	77.2	82.6	86.6	85.3	82.2	89.8	78.9	77.7	76.2	76.2	76.8	74.15
63.4	68.8	74.2	79.3	81.6	81.6	80.4	79.4	78.1	76.5	76.8	76.5	75.56
65.6	70.5	76.9	82.1	84.9	84.2	82.2	80.6	78.9	77.2	76.2	76.1	76.17
63.7	73.1	80.1	86.2	88.7	89.1	86.7	83.5	81.1	78.9	77.2	74.5	75.35
77.0	77.2	80.9	86.1	87.1	86.6	82.4	81.0	79.0	78.0	77.4	76.8	75.79
64.1	71.2	80.4	86.2	88.7	89.1	85.7	82.2	81.0	79.0	78.1	77.3	74.92
—	—	—	—	—	—	—	—	—	—	—	—	74.19
68.5	70.8	74.3	77.3	81.3	84.8	86.0	84.3	80.3	78.2	77.2	74.5	75.81
67.1	69.6	71.9	73.8	77.1	79.9	79.2	78.3	78.7	78.2	78.0	74.4	75.01
68.3	70.4	73.3	75.6	81.6	86.0	86.2	83.2	82.8	79.8	76.9	71.5	76.70
67.2	68.0	70.1	—	78.5	81.2	81.8	81.5	80.7	79.0	77.7	76.6	74.12
68.8	74.5	75.8	79.3	82.2	86.1	86.7	85.1	81.4	79.2	78.7	77.9	76.71
66.7	70.0	72.3	74.7	75.5	77.1	78.5	78.2	78.9	79.2	77.4	74.8	74.81
—	—	—	—	—	—	—	—	—	—	—	—	75.10
75.2	76.8	81.0	81.5	82.9	84.3	85.2	85.5	83.4	79.3	77.5	76.1	76.02
69.2	72.2	75.1	79.2	—	87.0	86.9	83.9	81.7	80.2	79.6	78.1	75.18
65.5	68.7	71.0	76.4	82.3	83.5	82.2	80.7	80.0	78.8	78.2	77.9	75.62
71.3	71.5	74.0	77.5	84.5	86.8	84.0	84.7	80.5	77.8	76.4	70.1	75.84
69.2	72.3	71.1	77.2	83.2	84.7	82.9	82.1	78.9	76.7	77.4	75.1	75.66
67.7	71.9	74.6	79.8	83.8	85.8	84.5	83.1	81.4	78.9	78.0	73.0	76.20
—	—	—	—	—	—	—	—	—	—	—	—	76.65
66.9	70.0	75.4	82.6	88.8	89.2	84.6	84.2	80.5	78.3	77.7	74.4	75.60
67.4	68.6	72.1	76.4	—	83.4	83.5	83.2	80.6	79.5	77.4	77.6	76.09
67.8	69.7	72.5	77.6	81.3	85.0	85.5	84.3	83.2	81.2	74.6	78.1	75.52
69.9	70.3	72.8	77.0	80.0	81.9	82.0	81.7	79.6	80.2	77.1	77.3	76.77
66.7	68.6	72.8	78.2	83.0	85.0	83.3	80.4	78.6	78.0	76.6	73.4	76.36
67.9	68.5	73.2	78.7	82.7	85.0	84.9	83.7	80.9	78.7	77.4	76.9	77.13
68.42	71.16	74.81	79.17	82.53	84.08	83.08	81.90	80.23	78.45	77.24	75.75	76.40
—	—	—	—	—	—	—	—	—	—	—	—	76.15
69.2	71.2	74.9	78.0	80.8	83.6	83.4	83.0	80.1	78.8	78.3	78.0	76.74
68.2	70.4	74.8	81.7	85.3	86.2	84.8	82.7	80.3	78.4	78.0	77.3	75.98
67.8	72.0	76.7	80.8	83.0	83.0	81.9	81.2	80.1	78.4	78.0	77.3	73.71
66.1	70.6	74.2	79.2	82.7	85.7	85.8	85.4	81.1	79.0	70.1	75.5	76.96
68.0	70.9	74.8	79.2	83.4	86.6	87.2	85.7	82.8	79.4	79.4	79.1	76.52
67.8	69.8	74.6	78.8	83.5	84.8	84.0	83.3	81.3	78.6	78.2	76.4	75.83
—	—	—	—	—	—	—	—	—	—	—	—	76.16
64.8	67.6	73.7	78.7	83.1	87.3	87.9	85.5	82.2	80.1	78.7	76.7	77.04
67.8	68.8	72.7	77.3	82.0	84.1	84.8	83.5	82.2	79.5	77.3	76.9	76.04
69.3	70.2	73.0	76.9	80.3	84.3	85.6	84.8	82.9	81.2	79.8	78.6	76.51
67.8	68.8	70.5	73.6	77.7	81.3	83.2	85.0	83.8	81.8	79.8	78.7	76.80
69.5	69.8	71.3	75.0	79.5	83.3	84.4	84.2	82.9	80.7	78.8	78.3	75.97
69.1	69.9	72.1	77.3	82.2	84.7	84.4	84.0	82.3	79.8	78.4	77.8	76.77
—	—	—	—	—	—	—	—	—	—	—	—	76.36
66.1	66.9	70.6	76.1	81.2	84.4	85.7	84.7	82.5	79.8	78.3	77.1	77.54
68.8	69.2	72.7	77.3	83.1	86.2	86.3	84.7	81.8	79.7	78.3	77.7	77.36
65.7	67.3	70.8	76.2	80.7	84.0	84.4	83.5	81.7	79.3	77.8	78.4	77.18
66.9	68.0	73.3	78.6	84.3	87.3	87.8	86.4	84.0	81.3	81.0	80.6	76.97
70.8	73.0	74.7	77.1	82.3	84.6	87.3	88.0	79.4	80.9	79.4	74.9	77.13
72.2	71.3	73.4	77.7	82.0	84.3	84.5	84.1	81.8	78.8	75.5	76.1	76.82
—	—	—	—	—	—	—	—	—	—	—	—	75.11
77.3	72.7	74.8	75.9	82.5	86.8	85.5	84.5	84.3	80.2	76.1	73.5	75.54
70.0	67.5	70.6	76.3	82.5	81.7	83.7	84.8	77.6	78.5	77.5	74.6	77.18
68.6	66.5	71.3	73.3	79.2	83.0	84.5	83.7	81.9	79.2	74.7	76.7	76.44
70.1	67.4	69.1	72.1	79.2	83.8	86.3	85.1	82.8	78.6	76.7	77.5	76.40
69.2	68.5	71.0	75.2	80.7	84.1	84.7	84.0	81.2	78.8	78.9	78.2	76.77
69.4	69.6	70.2	74.5	78.7	83.4	84.6	82.7	80.9	79.2	78.2	78.0	76.40
68.77	69.50	72.74	76.95	81.66	84.50	85.11	84.35	81.75	79.57	77.80	77.25	76.40

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0' 71. Increasing Numbers denote increasing Easterly Declination.													
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
MARCH.	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	77° 2'	76° 9'	76° 7'	—	—	—	—	—	—	—	—	
	2	—	—	—	76° 3'	76° 4'	76° 3'	76° 1'	76° 2'	76° 2'	74° 9'	73° 7'	71° 7'
	3	76° 8'	76° 1'	76° 6'	76° 1'	75° 8'	76° 5'	—	76° 1'	74° 0'	76° 6'	74° 4'	72° 8'
	4	77° 1'	76° 8'	75° 5'	75° 2'	75° 0'	75° 5'	75° 3'	74° 8'	74° 4'	74° 0'	73° 3'	72° 9'
	5	77° 0'	76° 5'	76° 5'	76° 3'	76° 5'	75° 9'	76° 1'	75° 9'	76° 5'	75° 4'	74° 2'	72° 5'
	6	77° 2'	76° 6'	76° 1'	76° 1'	75° 8'	76° 4'	76° 5'	76° 0'	—	75° 2'	73° 9'	72° 4'
	7	77° 0'	76° 0'	71° 5'	75° 4'	76° 2'	76° 1'	76° 8'	77° 0'	—	—	74° 9'	72° 2'
	8	76° 8'	76° 7'	76° 1'	—	—	—	—	—	—	—	—	—
	9	—	—	—	76° 3'	75° 2'	74° 5'	73° 5'	69° 9'	72° 7'	72° 5'	71° 7'	66° 8'
	10	75° 6'	75° 9'	76° 2'	77° 2'	73° 8'	74° 1'	75° 0'	75° 8'	75° 7'	75° 4'	74° 6'	73° 0'
	11	77° 1'	76° 8'	76° 6'	74° 5'	75° 0'	75° 1'	75° 4'	77° 3'	76° 5'	75° 3'	75° 0'	72° 2'
	12	76° 9'	76° 4'	76° 0'	76° 4'	76° 1'	75° 9'	75° 5'	75° 2'	74° 9'	74° 5'	72° 6'	71° 2'
	13	75° 7'	75° 3'	75° 3'	74° 7'	—	74° 4'	73° 1'	73° 8'	73° 4'	72° 5'	71° 9'	71° 2'
	14	77° 2'	76° 3'	75° 2'	74° 0'	76° 8'	76° 3'	77° 8'	83° 0'	78° 4'	77° 6'	75° 9'	73° 5'
	15	75° 4'	75° 4'	78° 4'	—	—	—	—	—	—	—	—	—
	16	—	—	—	77° 5'	75° 5'	74° 5'	74° 8'	79° 2'	74° 8'	74° 6'	74° 5'	74° 5'
	17	77° 1'	74° 5'	76° 6'	75° 7'	79° 2'	76° 3'	76° 2'	76° 2'	76° 1'	76° 1'	75° 5'	76° 2'
	18	77° 1'	76° 8'	77° 0'	77° 2'	—	78° 2'	75° 0'	74° 1'	73° 9'	75° 0'	75° 0'	76° 5'
	19	77° 2'	77° 1'	76° 6'	76° 7'	—	—	—	—	—	76° 3'	75° 3'	73° 2'
	20	74° 8'	76° 3'	76° 2'	—	—	—	—	—	—	—	—	—
	21	—	—	—	76° 5'	76° 9'	76° 8'	77° 1'	76° 1'	77° 5'	78° 2'	75° 8'	78° 6'
	22	77° 1'	76° 1'	75° 7'	—	—	—	—	—	—	—	—	—
	23	—	—	—	75° 0'	71° 1'	71° 7'	77° 2'	77° 8'	75° 4'	73° 9'	72° 5'	70° 9'
	24	74° 8'	59° 9'	73° 3'	72° 4'	76° 9'	77° 2'	78° 1'	81° 3'	75° 8'	75° 7'	74° 4'	74° 0'
	25	74° 6'	76° 2'	76° 2'	76° 2'	76° 4'	77° 2'	77° 3'	76° 2'	76° 0'	75° 8'	74° 3'	72° 8'
	26	75° 2'	73° 6'	75° 8'	71° 3'	76° 6'	79° 4'	81° 7'	82° 3'	78° 3'	76° 5'	75° 0'	73° 5'
	27	76° 6'	74° 8'	73° 8'	74° 2'	73° 2'	74° 7'	76° 9'	79° 2'	76° 8'	80° 0'	78° 1'	75° 1'
	28	76° 8'	75° 9'	72° 4'	74° 8'	76° 0'	78° 0'	77° 4'	76° 7'	76° 5'	77° 0'	79° 1'	76° 6'
	29	76° 4'	76° 4'	76° 0'	—	—	—	—	—	—	—	—	—
	30	—	—	—	76° 6'	76° 1'	75° 8'	75° 5'	75° 4'	76° 0'	76° 2'	75° 4'	75° 3'
31	77° 8'	77° 2'	76° 9'	76° 5'	77° 0'	77° 4'	76° 3'	76° 3'	76° 6'	76° 8'	76° 1'	75° 0'	
Hourly Means	76° 50	75° 46	75° 73	75° 56	75° 80	76° 01	76° 29	76° 74	75° 75	75° 67	74° 68	73° 38	
APRIL.	1	77° 8'	77° 8'	77° 5'	77° 0'	77° 1'	76° 8'	76° 7'	76° 7'	—	77° 3'	76° 7'	74° 7'
	2	77° 7'	77° 4'	76° 7'	76° 3'	77° 0'	76° 9'	76° 6'	76° 5'	77° 0'	76° 2'	75° 8'	74° 7'
	3	79° 1'	77° 9'	77° 6'	77° 0'	76° 0'	76° 3'	76° 5'	78° 0'	73° 5'	76° 4'	75° 1'	73° 9'
	4	75° 3'	68° 8'	75° 0'	75° 8'	76° 9'	76° 2'	77° 1'	76° 3'	—	—	74° 1'	71° 1'
	5	77° 5'	77° 5'	76° 9'	—	—	—	—	—	—	—	—	—
	6	—	—	—	77° 7'	76° 8'	75° 3'	75° 7'	73° 0'	76° 4'	75° 8'	75° 5'	74° 1'
	7	77° 2'	77° 4'	76° 8'	76° 0'	77° 1'	75° 9'	76° 8'	77° 6'	77° 5'	77° 0'	74° 9'	73° 1'
	8	77° 3'	77° 1'	77° 0'	77° 0'	77° 1'	77° 3'	77° 6'	77° 7'	—	75° 5'	74° 8'	73° 8'
	9	76° 9'	76° 1'	76° 3'	76° 9'	77° 0'	76° 5'	78° 2'	79° 0'	77° 1'	75° 9'	73° 9'	72° 3'
	10	77° 8'	77° 3'	76° 0'	76° 8'	76° 3'	76° 3'	76° 8'	76° 5'	76° 5'	75° 8'	73° 6'	73° 0'
	11	77° 5'	77° 3'	77° 0'	77° 2'	77° 9'	77° 5'	77° 3'	77° 7'	77° 5'	77° 2'	75° 7'	73° 4'
	12	77° 9'	77° 5'	77° 5'	—	—	—	—	—	—	—	—	—
	13	—	—	—	77° 4'	77° 6'	77° 5'	77° 3'	77° 3'	76° 4'	77° 1'	76° 0'	75° 5'
	14	61° 8'	67° 7'	67° 1'	72° 5'	75° 8'	77° 8'	76° 5'	80° 5'	79° 0'	77° 8'	75° 5'	73° 6'
	15	75° 9'	74° 2'	75° 1'	77° 5'	78° 2'	80° 1'	78° 8'	78° 0'	77° 5'	79° 6'	78° 0'	74° 7'
	16	76° 0'	72° 7'	75° 2'	76° 8'	77° 7'	77° 3'	77° 8'	78° 0'	77° 5'	77° 1'	75° 9'	74° 1'
	17	76° 1'	75° 2'	76° 2'	76° 7'	78° 2'	77° 3'	77° 2'	77° 2'	77° 3'	76° 5'	75° 8'	73° 7'
	18	77° 1'	76° 1'	73° 7'	73° 9'	72° 5'	71° 1'	73° 5'	74° 8'	77° 6'	77° 6'	75° 3'	75° 0'
	19	77° 5'	76° 9'	77° 0'	—	—	—	—	—	—	—	—	—
	20	—	—	—	76° 2'	76° 8'	75° 2'	75° 1'	81° 1'	76° 0'	76° 0'	76° 0'	75° 3'
	21	76° 2'	76° 3'	76° 2'	76° 5'	77° 2'	77° 5'	78° 0'	78° 0'	—	78° 3'	77° 0'	76° 3'
	22	77° 0'	77° 0'	77° 0'	77° 2'	77° 8'	78° 1'	77° 5'	77° 8'	77° 5'	77° 1'	75° 6'	74° 3'
	23	77° 0'	74° 3'	76° 0'	76° 3'	76° 5'	77° 5'	77° 2'	76° 9'	74° 8'	74° 8'	73° 6'	72° 4'
	24	77° 2'	76° 0'	76° 0'	75° 9'	75° 9'	75° 3'	74° 1'	77° 7'	76° 1'	75° 7'	75° 5'	74° 3'
	25	76° 0'	67° 3'	69° 3'	72° 0'	—	—	78° 6'	78° 5'	—	77° 0'	76° 0'	75° 0'
	26	76° 7'	76° 0'	74° 7'	—	—	—	—	—	—	—	—	—
	27	—	—	—	75° 7'	76° 8'	77° 2'	77° 1'	77° 7'	77° 2'	76° 8'	75° 7'	76° 4'
	28	76° 3'	75° 8'	71° 2'	71° 8'	74° 9'	77° 8'	78° 5'	81° 2'	79° 3'	78° 8'	76° 9'	75° 6'
	29	77° 2'	76° 8'	76° 8'	76° 8'	77° 1'	77° 2'	77° 3'	77° 1'	77° 8'	77° 0'	76° 8'	75° 9'
	30	77° 8'	77° 6'	77° 2'	77° 2'	77° 2'	77° 2'	76° 8'	76° 6'	76° 1'	76° 2'	74° 9'	75° 8'
Hourly Means	76° 45	75° 46	75° 50	76° 08	76° 78	76° 76	76° 98	77° 59	76° 93	76° 82	75° 56	74° 31	

* Good Friday.

DECLINATION.

Angular Value of One Scale Division of the Declinometer = 0' 71. Increasing Numbers denote increasing Easterly Declination.

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.
68.4	69.2	72.3	77.7	84.4	88.4	87.7	84.2	82.2	80.7	78.8	74.3	77.37
69.0	69.6	72.7	77.4	80.4	82.9	83.9	83.7	81.6	79.8	78.7	77.8	76.93
71.3	71.2	72.5	75.2	79.5	84.8	85.5	84.2	80.0	79.4	78.0	77.2	76.61
70.4	69.6	72.8	76.6	81.2	84.3	84.2	82.7	80.5	78.9	78.2	77.6	76.93
69.6	68.2	71.4	76.5	83.3	88.5	88.8	85.8	82.1	79.8	77.8	77.2	77.44
70.2	68.9	72.0	76.5	81.0	86.7	85.9	83.9	81.0	79.4	78.4	76.3	76.97
71.7	71.0	75.2	80.3	83.9	83.3	83.2	82.9	80.8	79.8	78.8	74.4	76.17
72.0	71.3	73.2	77.5	81.5	84.5	85.4	83.4	80.9	78.9	78.5	77.3	76.95
70.8	72.4	75.2	79.5	84.5	87.1	86.0	83.0	80.0	78.3	77.7	76.7	77.42
69.8	69.3	72.2	78.1	82.9	85.3	85.2	82.2	80.0	77.3	78.7	77.7	76.68
71.4	72.9	75.6	80.2	83.4	86.3	86.9	84.7	85.9	79.8	78.5	77.8	77.16
75.0	73.1	75.1	78.5	80.6	82.4	84.9	83.2	80.2	77.6	73.8	77.1	77.65
77.0	76.7	77.0	77.5	79.6	78.9	81.4	79.7	80.2	78.5	72.9	75.1	76.82
75.1	73.9	75.6	78.2	81.0	82.4	83.2	82.3	80.6	79.4	78.6	74.3	77.51
72.9	72.6	74.1	78.0	81.1	82.3	82.5	81.6	79.4	77.5	77.7	77.5	77.09
74.0	74.3	78.4	79.9	82.2	83.8	82.5	82.9	80.8	79.0	71.5	71.7	77.55
75.0	76.5	77.0	79.1	81.5	85.8	84.7	84.0	78.3	78.0	77.6	77.0	78.14
72.0	71.5	76.3	81.8	83.6	81.5	83.8	83.3	80.9	79.9	76.1	73.2	76.60
73.1	77.7	80.8	81.2	83.4	84.1	82.5	80.5	72.8	78.5	78.2	72.0	76.61
71.5	73.1	75.6	78.8	81.8	84.2	83.8	78.2	78.8	77.6	77.4	70.8	76.70
72.3	72.7	74.7	77.8	81.5	83.7	83.6	81.9	80.5	79.1	77.5	77.8	77.60
72.5	71.8	73.8	77.6	81.2	83.0	83.9	81.3	79.8	78.9	78.3	77.7	77.22
72.5	71.7	73.1	76.5	80.1	82.6	84.0	81.1	81.2	75.7	74.7	73.6	76.83
73.4	72.9	73.8	76.0	78.9	81.2	82.3	80.7	79.5	78.9	78.1	77.4	76.84
72.6	72.5	73.2	76.8	80.5	83.0	83.8	81.8	80.6	79.1	78.2	78.0	77.50
72.14	72.18	74.54	78.13	81.72	84.04	84.38	82.53	80.34	78.79	77.31	75.90	77.08
72.9	72.2	75.0	77.8	81.1	81.7	81.9	80.9	79.2	79.2	78.7	78.1	77.60
73.0	72.8	75.5	78.6	80.9	81.8	81.2	80.4	80.1	80.0	79.5	80.2	77.62
71.9	72.5	75.1	78.5	84.0	86.4	86.1	83.6	81.8	79.5	79.0	78.4	78.09
70.2	69.9	72.0	76.8	82.4	83.4	83.9	82.3	79.8	78.8	78.1	78.0	76.46
72.2	73.8	77.0	80.3	83.3	83.9	82.0	80.2	79.1	79.5	78.6	74.3	77.35
72.2	72.9	76.6	79.7	82.1	84.0	83.7	81.7	79.5	78.8	78.2	77.9	77.69
72.7	73.2	74.9	78.4	82.3	84.1	84.6	82.1	80.9	79.0	78.4	77.9	77.86
71.1	71.5	73.3	76.8	80.8	83.9	84.2	82.6	80.1	79.5	78.6	78.2	77.36
71.8	72.7	74.9	79.3	83.9	85.5	84.2	81.7	80.1	79.3	78.6	77.8	77.60
71.2	71.3	75.2	80.2	—	84.8	84.5	81.2	79.7	79.0	77.8	78.3	77.71
75.3	69.7	85.2	81.6	86.9	90.7	85.8	83.1	79.8	80.0	79.1	77.1	79.14
72.6	73.4	74.6	77.8	80.3	82.1	80.1	80.4	79.1	78.0	78.1	77.9	75.83
73.0	74.0	76.0	79.2	81.0	82.7	83.0	80.4	78.6	78.6	77.7	77.2	77.87
72.8	72.8	75.0	78.3	81.4	83.2	82.6	80.0	78.3	77.8	77.9	76.9	77.21
71.7	71.8	74.5	77.8	80.8	82.1	81.3	80.3	79.2	78.7	78.1	78.1	77.16
73.5	74.0	76.9	79.9	81.7	84.5	82.9	81.8	80.5	80.1	78.8	77.8	77.11
75.9	76.0	77.8	79.1	81.9	83.9	81.1	81.6	77.1	77.0	77.5	77.1	77.71
74.7	75.2	76.4	79.5	82.4	81.9	82.8	81.9	80.0	79.1	77.3	76.2	78.04
74.0	74.9	76.7	79.8	82.8	84.8	83.8	82.6	80.8	79.6	79.5	77.8	78.37
72.0	73.5	75.5	80.2	82.3	83.5	83.2	80.9	80.0	80.0	78.5	77.7	77.27
74.2	75.2	76.8	78.8	80.9	82.9	83.0	83.0	82.5	75.5	78.2	72.8	77.23
73.9	73.5	76.1	78.0	80.1	82.3	82.3	79.8	79.3	78.5	76.7	75.2	76.45
71.9	74.5	74.6	79.3	—	83.0	82.6	80.8	79.6	79.0	75.7	75.8	77.17
75.0	75.5	77.0	79.1	80.1	82.0	81.2	80.4	80.2	78.8	76.2	76.8	77.52
74.0	73.5	75.8	77.8	80.1	81.1	81.0	80.5	79.7	79.1	78.4	78.1	77.61
73.7	73.0	76.9	82.6	85.2	85.8	85.2	83.7	82.2	83.3	80.4	78.8	78.81
72.98	73.20	75.98	79.05	82.03	83.69	83.01	81.46	79.89	79.07	78.22	77.32	77.54

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'71. Increasing Numbers denote increasing Easterly 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	78°0	76°7	75°5	75°1	75°2	75°5	75°9	76°4	76°4	76°3	76°0	74°3
	2	77°8	77°5	77°2	77°2	—	77°7	77°5	77°5	77°0	76°9	76°6	75°9
	3	77°6	77°3	77°2	—	—	—	—	—	—	—	—	—
	4	—	—	—	77°0	77°2	77°0	76°7	76°8	76°7	76°9	76°1	76°4
	5	77°8	77°2	77°2	77°5	77°1	77°1	77°0	77°0	76°8	76°6	76°7	76°1
	6	77°8	77°4	77°5	77°6	77°5	77°4	77°2	77°3	77°2	77°0	76°8	75°6
	7	78°2	77°1	77°7	77°4	76°7	77°1	77°4	77°8	77°3	76°7	76°5	76°2
	8	77°6	77°0	77°3	77°0	77°8	77°8	77°8	77°9	77°6	77°0	76°9	76°6
	9	77°7	77°0	76°3	76°0	76°9	77°3	77°7	77°5	77°9	77°6	77°1	76°1
	10	78°7	77°2	77°2	—	—	—	—	—	—	—	—	—
	11	—	—	—	76°9	77°0	77°1	77°2	77°7	—	77°0	76°5	75°0
	12	74°1	74°5	74°3	73°9	76°0	77°0	78°2	76°6	77°6	77°1	76°8	74°9
	13	77°6	77°8	77°0	73°2	76°8	77°6	79°1	77°3	—	76°7	77°1	77°5
	14	75°1	76°2	76°8	75°8	76°8	82°1	79°7	78°5	77°5	76°5	76°5	75°1
	15	77°0	74°9	70°9	73°5	75°8	77°8	78°0	79°1	78°9	78°2	77°6	76°9
	16	75°2	71°2	71°1	72°0	73°9	77°3	78°9	78°5	77°7	77°1	76°4	75°3
	17	78°2	77°9	77°7	—	—	—	—	—	—	—	—	—
	18	—	—	—	74°5	77°4	77°0	75°4	77°3	77°2	76°9	77°5	78°9
	19	76°2	75°0	73°1	76°0	—	77°2	77°6	77°0	77°2	77°3	77°1	75°3
	20	77°2	75°7	74°9	75°4	—	78°5	78°3	78°2	77°5	77°3	76°8	75°9
	21	76°9	76°8	77°5	77°8	77°8	77°8	78°2	78°2	78°1	77°7	77°5	76°8
	22	76°2	78°0	77°3	77°4	77°3	73°9	72°7	76°6	77°5	78°5	79°2	76°8
	23	76°7	77°1	76°6	77°2	77°2	77°5	77°8	77°8	77°5	77°3	77°0	77°5
	24	76°3	76°6	77°9	—	—	—	—	—	—	—	—	—
	25	—	—	—	77°1	77°2	77°6	77°6	77°7	77°4	77°2	77°2	77°0
	26	78°1	77°7	77°3	77°2	—	—	77°8	77°7	77°5	77°5	77°5	77°8
	27	77°3	77°1	77°3	77°3	77°2	77°2	77°2	77°2	—	77°6	77°8	78°2
	28	77°7	77°5	77°4	77°2	77°2	77°2	77°2	77°2	77°4	77°6	77°4	77°0
	29	77°7	77°5	77°5	77°5	77°7	77°8	78°0	77°8	77°8	77°6	77°6	76°8
	30	77°5	77°3	77°9	78°0	78°2	78°6	78°8	79°1	75°3	75°8	78°3	78°3
Hourly Means	77°16	76°66	76°37	76°26	77°90	77°44	77°50	77°60	77°36	77°15	77°10	76°47	
JUNE.	May 31	71°5	71°0	66°9	—	—	—	—	—	—	—	—	
	1	—	—	—	77°2	77°4	77°5	77°9	77°7	77°0	77°4	77°0	76°8
	2	77°3	77°5	77°2	77°1	77°6	77°7	78°6	78°0	77°9	77°6	77°9	77°4
	3	77°5	76°1	76°5	77°3	77°8	77°8	78°0	77°8	77°7	77°6	77°6	76°7
	4	77°2	76°7	76°0	75°8	75°3	74°1	75°7	76°5	75°5	77°1	76°6	77°1
	5	77°5	77°2	77°1	77°2	77°6	78°5	78°5	78°8	78°5	78°5	78°0	77°4
	6	77°3	76°1	74°7	76°6	78°2	78°8	78°8	78°5	—	78°0	77°7	77°2
	7	77°8	77°7	77°8	—	—	—	—	—	—	—	—	—
	8	—	—	—	77°8	76°7	78°1	78°6	79°4	78°2	78°0	78°1	78°1
	9	76°5	76°8	76°1	74°1	74°7	76°7	77°9	77°3	77°2	77°2	77°7	76°9
	10	76°9	76°8	76°2	77°2	77°9	78°5	78°3	77°8	78°5	77°6	76°8	77°3
	11	76°7	76°9	76°1	75°2	—	—	—	—	—	—	77°4	77°4
	12	70°3	76°7	77°2	77°4	77°7	78°2	78°1	78°3	78°3	77°8	77°9	78°5
	13	77°3	77°2	77°3	77°5	—	78°3	78°2	78°8	78°5	78°2	78°0	77°8
	14	78°2	77°8	77°3	—	—	—	—	—	—	—	—	—
	15	—	—	—	77°1	77°7	77°7	77°9	77°9	78°0	78°2	77°8	77°8
	16	78°3	77°7	77°6	77°6	77°7	78°1	78°0	78°1	77°9	77°8	77°6	77°7
	17	77°2	77°9	77°9	77°9	78°0	78°2	78°0	78°0	78°1	77°7	78°1	78°6
	18	77°1	77°7	77°6	77°8	78°7	78°7	78°6	78°3	—	78°2	78°2	78°2
	19	77°3	77°2	77°3	77°8	78°0	78°1	78°2	78°0	78°0	77°5	77°3	77°4
	20	77°1	77°1	77°5	77°3	78°0	78°1	78°0	78°3	78°1	77°7	77°9	78°2
	21	77°2	77°0	77°6	—	—	—	—	—	—	—	—	—
	22	—	—	—	77°5	77°7	77°8	77°8	78°6	78°5	78°5	78°1	78°5
	23	77°9	77°8	77°3	77°3	76°8	77°1	79°7	78°5	77°9	77°8	77°7	77°3
	24	77°3	77°0	77°0	76°8	76°6	77°1	77°3	77°6	—	77°7	77°8	77°7
	25	77°3	77°0	77°0	77°2	77°3	77°5	77°9	78°0	78°0	78°0	78°0	78°2
	26	77°5	77°3	76°9	75°9	76°8	78°0	78°1	78°6	78°6	78°3	78°1	78°1
	27	77°8	77°8	77°8	77°8	—	77°8	78°1	78°2	78°3	78°6	78°5	77°9
	28	66°7	78°2	76°9	—	—	—	—	—	—	—	—	—
29	77°0	76°2	76°0	75°6	76°2	76°1	77°3	77°0	77°5	76°8	77°7	78°1	
Hourly Means	76°65	77°18	76°96	76°95	77°20	77°54	77°91	78°03	77°88	77°81	77°74	77°78	

DECLINATION.

Angular Value of one Scale Division of the Declinometer = 0'.71. Increasing Numbers denote increasing Easterly Declination.

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.
73.7	74.1	75.6	77.8	79.8	80.8	80.9	80.3	79.6	79.0	78.3	78.0	77.05
75.6	75.2	75.9	78.0	79.9	80.5	80.0	79.7	79.0	78.8	78.2	77.8	77.71
—	—	—	—	—	—	—	—	—	—	—	—	77.62
76.0	75.8	76.1	77.8	80.2	80.5	82.4	80.5	79.2	78.9	74.8	77.8	77.50
75.5	75.0	75.2	76.8	78.8	80.5	80.8	79.8	79.0	78.5	78.2	77.9	77.75
74.0	73.9	74.1	75.6	79.0	82.0	81.0	81.4	80.0	80.2	79.6	79.0	77.81
75.5	75.3	75.5	77.1	79.7	81.6	81.6	80.2	79.8	79.0	78.4	77.7	78.11
74.9	74.8	76.0	78.4	82.1	83.5	82.3	80.6	79.8	78.2	77.5	78.2	77.52
74.1	73.5	73.9	76.1	79.5	81.5	82.0	81.2	79.3	78.5	78.0	77.8	78.32
—	—	—	—	—	—	—	—	—	—	—	—	76.98
74.5	76.7	76.4	79.7	80.9	82.5	83.3	83.0	80.4	80.1	78.9	77.5	78.33
73.3	74.7	75.9	78.2	80.1	80.8	80.7	80.0	78.8	78.2	78.0	77.8	78.22
77.1	76.5	78.0	79.7	83.2	83.1	81.1	80.6	79.7	78.6	78.5	77.9	77.66
75.9	77.1	78.0	78.5	80.1	81.9	81.0	81.3	80.3	80.0	78.6	77.9	76.70
74.5	75.2	77.5	79.0	81.3	81.2	82.0	79.7	79.0	79.1	79.7	77.1	78.56
74.8	73.4	74.8	77.2	80.5	81.1	80.7	79.7	78.9	78.7	78.3	78.2	77.67
—	—	—	—	—	—	—	—	—	—	—	—	77.97
78.6	77.7	77.2	80.0	82.7	82.8	82.8	82.2	81.0	79.1	77.8	77.6	78.10
73.9	74.2	75.8	79.0	81.9	82.9	82.7	81.2	79.4	79.1	79.1	78.2	78.17
74.3	75.0	78.3	79.6	83.1	82.9	81.9	81.1	78.9	77.8	77.5	77.1	77.84
75.7	75.3	77.1	77.7	80.0	81.3	81.7	81.3	79.1	79.0	77.8	77.4	77.69
75.0	74.1	76.0	77.9	80.8	83.2	82.9	83.5	81.9	81.1	79.4	78.3	78.11
77.6	74.3	74.4	77.0	80.1	81.3	81.5	80.2	79.1	79.2	79.5	78.7	77.97
—	—	—	—	—	—	—	—	—	—	—	—	77.85
75.8	74.5	75.0	77.1	80.0	80.8	80.7	80.0	78.8	78.5	78.3	78.2	78.12
76.2	—	—	76.2	78.1	80.7	81.3	80.0	78.8	78.7	78.3	77.9	79.64
77.2	76.1	76.1	77.6	80.3	—	82.6	80.7	78.6	78.7	78.2	77.8	77.88
76.0	75.5	75.3	76.9	80.3	82.3	81.8	79.8	78.8	78.2	77.8	77.7	77.88
75.4	75.7	77.2	78.7	80.7	81.8	81.3	80.6	78.5	78.2	77.8	77.8	77.88
79.1	78.9	79.1	81.1	82.6	83.4	83.7	82.8	81.7	81.9	85.0	78.9	77.88
75.47	75.30	76.18	78.03	80.60	81.82	81.72	80.82	79.52	79.05	78.52	77.93	77.88
—	—	—	—	—	—	—	—	—	—	—	—	77.23
76.6	76.2	78.0	80.0	81.3	80.9	80.8	80.0	79.9	78.3	78.8	77.5	78.12
76.9	76.9	77.5	78.8	79.9	80.8	81.0	79.4	78.3	77.9	77.8	77.8	77.83
75.3	74.6	75.1	76.1	79.2	80.7	82.1	82.1	79.7	78.7	78.3	77.6	77.55
76.4	77.0	77.5	78.8	80.0	80.1	80.7	80.0	79.1	81.1	78.8	78.1	75.12
76.9	76.0	76.7	78.1	78.6	80.3	81.5	80.2	78.7	78.0	77.7	77.5	77.91
76.1	76.8	76.3	77.9	80.0	80.6	80.3	79.7	78.4	78.1	78.0	77.8	78.86
—	—	—	—	—	—	—	—	—	—	—	—	77.52
76.5	76.1	76.1	78.1	82.3	83.4	84.0	83.2	82.6	79.1	77.8	77.2	78.55
75.9	75.1	75.4	79.0	79.9	81.4	81.3	80.1	79.0	78.5	78.2	77.6	77.57
76.9	77.0	77.3	79.1	80.7	81.4	81.7	81.1	79.9	80.7	81.9	77.7	77.66
76.3	75.5	76.3	77.2	78.6	79.7	80.4	79.9	78.7	78.4	78.1	77.5	78.17
77.8	77.2	76.6	77.3	78.5	79.1	79.9	79.3	78.3	78.1	77.9	77.5	78.70
77.7	77.0	76.9	76.9	78.6	79.8	80.6	79.7	78.6	78.6	78.3	78.2	78.20
—	—	—	—	—	—	—	—	—	—	—	—	78.08
77.5	78.4	78.4	78.9	81.2	82.3	82.3	80.9	79.7	78.7	79.0	78.2	78.59
76.6	76.7	77.0	78.4	79.9	80.5	81.1	79.8	78.6	78.1	78.2	77.9	78.49
77.9	76.7	77.2	78.3	79.2	79.3	79.8	79.1	78.1	77.7	77.7	77.4	78.15
77.3	76.9	77.5	78.8	80.7	81.2	81.1	80.2	79.5	78.8	78.4	78.0	78.48
76.4	75.8	76.8	78.6	81.2	82.5	83.5	82.1	80.0	79.0	78.1	77.7	78.51
76.9	75.5	76.0	77.0	79.5	80.7	81.5	80.8	79.4	78.5	78.8	77.8	78.03
—	—	—	—	—	—	—	—	—	—	—	—	77.97
78.3	76.7	76.5	77.7	80.6	82.1	81.9	80.4	78.9	78.9	78.8	77.9	77.87
77.0	76.5	77.2	79.3	81.2	82.2	81.6	79.8	79.4	80.2	79.0	77.8	78.10
76.8	76.2	76.8	78.2	80.3	81.1	80.7	80.0	79.4	79.1	78.3	78.0	78.19
77.6	77.6	77.3	77.6	78.3	79.3	80.1	79.3	78.5	78.3	78.0	78.1	78.26
77.4	76.4	75.8	77.3	79.5	80.0	79.3	79.1	78.3	78.0	77.8	77.9	78.11
76.9	75.8	76.3	77.0	78.9	79.9	82.3	80.4	79.9	79.3	80.1	70.9	78.11
—	—	—	—	—	—	—	—	—	—	—	—	78.11
77.6	77.1	78.7	80.8	82.1	83.1	81.6	82.2	81.0	80.0	80.7	77.6	78.11
80.8	79.5	79.2	79.6	81.5	82.3	82.3	80.9	79.3	77.2	79.4	77.9	78.11
77.09	76.58	76.94	78.26	80.07	80.95	81.28	80.37	79.28	78.74	78.61	77.50	78.11

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'71. Increasing numbers denote increasing Easterly Declination.													
Mean Göttingen Time. } }	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
JULY.	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	76·8	76·7	76·1	76·1	76·1	76·5	77·1	77·5	77·5	77·9	77·8	78·0
	2	77·5	76·6	76·6	76·8	75·1	75·6	77·7	78·6	77·6	77·6	77·6	77·6
	3	77·0	76·8	76·6	76·4	76·9	77·0	77·7	78·0	77·9	78·1	78·3	78·4
	4	77·0	76·7	76·8	76·5	—	—	77·2	77·4	77·8	78·0	78·1	77·8
	5	76·7	76·6	76·6	—	—	—	—	—	—	—	—	—
	6	—	—	—	76·6	76·3	76·8	78·7	77·8	77·8	77·8	77·6	77·9
	7	77·2	75·5	76·4	76·2	76·7	77·5	78·2	78·1	78·9	78·7	78·5	79·0
	8	77·5	77·4	75·4	74·0	74·8	77·8	78·4	76·4	77·8	76·7	76·1	77·5
	9	76·5	76·1	76·8	76·0	76·8	77·8	77·9	77·3	77·5	77·7	77·4	78·0
	10	75·8	77·3	76·3	77·4	76·8	76·1	77·5	78·0	78·1	78·0	78·1	78·0
	11	78·2	76·8	76·5	76·5	76·7	77·0	78·0	77·4	76·5	76·8	78·0	78·5
	12	78·3	78·0	76·6	—	—	—	—	—	—	—	—	—
	13	—	—	—	75·8	76·9	78·3	79·7	77·1	77·6	77·8	78·2	78·8
	14	78·4	77·2	77·2	77·2	77·6	77·9	78·1	78·2	78·3	78·1	78·2	77·4
	15	77·5	76·8	76·5	77·0	—	77·5	78·8	78·1	78·2	78·3	78·1	78·5
	16	77·7	77·1	77·3	77·5	78·0	78·3	78·4	78·5	78·2	77·8	78·0	77·2
	17	77·5	77·6	77·5	77·1	77·7	78·0	78·7	78·0	78·9	78·2	77·9	77·7
	18	77·7	77·4	76·5	76·8	77·7	78·6	78·8	78·6	—	78·7	78·1	77·3
	19	77·3	76·8	76·8	—	—	—	—	—	—	—	—	—
	20	—	—	—	72·8	75·0	76·8	77·2	79·0	77·8	78·1	77·9	77·5
	21	77·0	72·8	75·0	75·3	—	78·2	78·2	78·2	78·2	78·2	77·7	76·9
	22	77·8	77·6	77·8	77·8	77·9	78·1	78·1	78·2	78·2	78·1	77·8	77·5
	23	77·2	75·3	75·8	76·5	—	74·6	76·1	77·3	77·5	77·6	77·7	77·7
	24	77·1	75·9	74·8	76·9	72·2	72·2	73·5	74·5	74·7	77·0	79·3	78·9
	25	81·1	77·2	75·3	74·5	75·2	76·3	77·2	78·1	—	79·9	81·0	79·3
	26	77·3	76·7	73·3	—	—	—	—	—	—	—	—	—
	27	—	—	—	76·9	78·1	74·3	76·1	77·6	77·5	77·4	77·7	77·2
	28	78·3	77·7	77·3	76·3	76·3	76·7	77·5	77·8	77·9	77·8	77·8	78·0
	29	78·0	77·8	77·2	75·0	77·3	77·7	77·4	77·3	77·8	77·7	78·1	77·6
	30	77·8	77·8	77·6	77·7	78·1	77·8	80·2	80·2	—	77·1	78·7	78·3
31	78·3	78·1	77·7	77·9	78·2	78·3	78·7	79·3	78·6	78·2	78·0	77·2	
Hourly Means	77·53	76·86	76·46	76·35	76·63	76·99	77·82	77·87	77·78	77·90	78·06	77·91	
AUGUST.	1	78·1	76·1	76·4	76·7	71·7	69·4	69·8	77·0	76·9	77·0	75·8	77·5
	2	76·0	74·6	75·4	—	—	—	—	—	—	—	—	—
	3	—	—	—	74·4	75·3	77·5	78·2	77·9	77·7	79·3	80·8	77·5
	4	68·8	77·9	75·1	73·0	74·0	72·3	79·0	78·2	78·3	79·4	79·3	78·4
	5	74·5	81·6	75·8	74·3	75·7	77·8	76·7	79·0	78·8	78·8	78·5	78·3
	6	76·3	74·7	75·0	74·3	75·6	77·2	77·2	76·9	—	78·3	78·5	78·8
	7	78·1	76·0	75·7	75·6	76·0	77·5	77·9	77·8	78·0	77·5	78·2	78·2
	8	77·1	79·0	76·3	76·2	76·2	76·7	77·5	77·6	—	77·7	77·8	77·4
	9	77·1	77·1	77·0	—	—	—	—	—	—	—	—	—
	10	—	—	—	75·4	76·5	77·5	78·0	78·0	—	77·9	77·6	77·0
	11	77·0	77·5	77·0	77·0	77·1	77·9	78·1	78·1	77·9	77·8	77·8	76·9
	12	78·2	77·6	77·3	77·3	77·6	77·9	78·1	78·0	78·0	—	78·2	76·8
	13	78·1	77·6	77·3	77·3	76·5	77·1	78·2	77·9	78·3	78·1	78·5	78·6
	14	78·2	78·0	77·8	77·5	77·4	78·2	78·3	77·9	77·8	77·8	78·0	77·6
	15	78·0	76·0	75·4	72·9	—	76·9	80·5	76·9	77·6	78·7	78·5	77·8
	16	78·2	77·7	73·9	—	—	—	—	—	—	—	—	—
	17	—	—	—	68·8	72·7	77·1	78·3	78·8	78·8	78·8	81·0	78·1
	18	70·4	70·5	74·9	72·4	74·5	76·1	77·0	77·2	77·1	77·4	77·4	76·1
	19	78·0	77·4	76·9	77·1	77·5	78·0	78·3	77·8	78·0	78·3	79·1	77·8
	20	78·7	78·0	77·0	76·8	77·0	78·0	78·0	77·9	77·8	77·8	78·1	76·7
	21	78·1	78·0	78·0	77·9	—	78·0	78·3	78·2	78·2	78·2	78·2	77·4
	22	78·0	77·3	75·9	75·1	75·2	75·2	76·5	77·0	77·7	78·0	78·8	78·3
	23	76·8	75·0	74·9	—	—	—	—	—	—	—	—	—
	24	—	—	—	77·5	77·5	77·9	77·7	77·9	77·9	78·3	79·3	77·6
	25	76·3	75·9	76·1	75·1	—	77·2	77·0	77·1	75·7	75·6	77·2	76·2
	26	78·3	78·0	78·1	77·8	71·8	65·8	74·2	80·5	78·3	77·5	78·1	76·2
	27	77·9	77·8	77·2	77·4	—	77·9	78·1	78·5	78·2	78·1	78·3	76·2
	28	78·2	77·8	77·3	77·7	78·0	78·1	78·2	77·3	77·5	77·8	78·0	76·9
	29	80·0	77·3	69·0	77·0	78·6	78·1	76·8	80·0	—	77·9	99·1	81·1
	30	74·4	72·2	72·8	—	—	—	—	—	—	—	—	—
	31	—	—	—	74·1	73·7	75·5	78·0	78·1	78·2	77·9	80·1	77·6
Hourly Means	76·95	76·79	75·90	75·64	75·73	76·42	77·46	77·98	77·85	78·00	79·24	77·58	

DECLINATION.

Angular Value of one Scale Division of the Declinometer = 0'71. Increasing Numbers denote increasing Easterly Declination.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 76°9	Sc. Div. 75°4	Sc. Div. 75°3	Sc. Div. 77°8	Sc. Div. 80°4	Sc. Div. 80°6	Sc. Div. 81°3	Sc. Div. 80°7	Sc. Div. 79°1	Sc. Div. 79°9	Sc. Div. 79°3	Sc. Div. 77°1	Sc. Div. 77°83
76°1	75°9	76°4	77°4	79°8	81°2	81°3	82°6	80°3	79°8	79°8	78°0	78°09
77°0	76°5	77°5	78°7	79°2	80°8	81°1	79°2	78°4	78°1	77°8	78°4	77°99
78°0	75°9	76°2	76°7	78°8	81°3	82°3	81°9	79°5	78°8	78°1	77°2	78°09
—	—	—	—	—	—	—	—	—	—	—	—	78°01
76°4	76°5	77°2	78°9	79°8	83°8	82°1	80°4	78°9	79°5	78°3	73°3	78°01
77°9	77°4	75°1	76°5	78°2	80°1	80°8	80°4	78°7	78°3	78°0	77°4	77°95
76°7	75°8	75°7	77°1	80°9	83°2	83°8	83°0	82°0	82°0	78°3	77°2	78°15
77°9	77°7	78°1	79°1	79°4	79°8	80°3	79°4	78°5	78°8	77°9	78°2	77°95
77°3	76°9	77°2	77°9	79°8	—	81°1	80°4	80°4	78°9	78°8	77°9	78°00
77°6	76°6	77°0	77°7	78°9	81°0	81°1	80°7	80°2	80°4	79°0	78°2	78°14
—	—	—	—	—	—	—	—	—	—	—	—	78°07
78°0	77°0	76°6	76°6	78°2	79°5	80°3	79°8	79°2	78°7	78°6	78°2	78°07
76°2	75°2	75°2	77°8	—	80°7	81°1	80°3	79°7	79°6	80°0	78°5	78°18
77°3	76°2	77°2	77°2	79°0	80°9	81°8	80°8	79°7	79°1	78°7	78°0	78°31
75°3	74°6	76°1	77°6	79°1	79°9	79°9	78°8	78°2	77°8	77°6	77°7	77°78
75°8	73°6	73°7	75°8	79°7	81°2	81°2	80°2	78°7	78°0	—	77°8	77°85
75°5	76°8	77°0	78°9	79°1	80°8	81°7	81°2	79°8	81°0	79°9	78°1	78°52
—	—	—	—	—	—	—	—	—	—	—	—	77°85
76°0	75°2	75°8	77°4	80°0	80°7	83°0	81°0	80°0	79°1	79°8	77°5	77°85
75°3	74°4	76°3	78°0	80°0	80°9	80°4	79°8	78°8	78°2	78°2	77°8	77°56
75°8	74°4	75°4	77°2	79°8	81°1	81°2	80°2	79°7	78°8	79°4	78°1	78°17
76°4	74°9	75°3	78°0	79°8	84°0	81°9	81°5	79°7	78°7	78°0	77°8	77°80
77°1	78°2	78°4	79°8	83°0	80°2	84°8	88°1	86°1	85°4	80°5	74°1	78°45
77°7	76°9	77°5	78°2	79°8	81°4	82°3	82°3	80°8	81°0	79°7	78°3	78°80
—	—	—	—	—	—	—	—	—	—	—	—	77°78
76°5	75°0	76°7	77°2	79°5	81°2	93°1	81°2	80°2	79°0	78°7	78°4	77°78
77°0	77°0	77°0	78°0	79°8	80°9	81°5	81°0	79°8	78°8	78°3	78°5	78°21
76°4	75°3	76°2	77°8	79°8	81°0	81°0	80°4	80°0	79°1	78°5	78°2	78°02
77°5	76°6	76°9	78°1	79°7	81°0	83°5	82°1	79°1	78°0	78°8	78°8	78°76
75°5	74°2	74°7	76°4	79°8	81°9	81°8	80°6	79°0	78°6	78°2	78°1	78°22
76°73	75°93	76°36	77°70	79°67	81°12	81°69	81°04	79°80	79°38	78°78	77°66	78°09
77°1	75°8	77°1	79°8	83°4	86°5	88°2	88°0	84°4	83°1	79°0	78°8	78°48
—	—	—	—	—	—	—	—	—	—	—	—	77°29
75°1	75°1	74°8	76°2	79°1	80°3	81°1	82°4	79°9	80°2	73°1	73°0	77°29
77°1	77°0	78°0	78°3	81°0	83°1	80°9	80°2	81°0	80°0	77°1	77°3	77°70
75°6	74°4	74°0	75°8	79°0	81°6	82°3	81°6	80°5	79°3	79°0	78°0	77°95
77°7	75°1	75°9	77°9	78°8	81°7	82°8	84°1	82°8	82°5	78°7	78°7	78°24
76°6	75°8	76°8	77°8	81°4	82°0	81°8	82°0	81°0	75°8	80°0	79°0	78°19
76°7	75°7	75°5	78°0	78°9	80°6	81°6	82°0	81°2	81°0	77°5	78°1	78°10
—	—	—	—	—	—	—	—	—	—	—	—	77°95
75°8	74°3	75°7	77°6	80°0	81°0	82°1	81°4	79°6	79°0	79°0	78°2	77°95
75°3	54°7	75°6	77°8	80°4	81°1	81°2	80°5	79°4	79°2	78°8	78°6	78°03
74°5	73°2	73°8	76°6	78°7	81°2	81°9	81°5	79°7	79°0	78°5	79°1	77°94
76°9	75°8	75°8	77°8	80°7	82°1	82°5	81°8	79°8	78°8	78°8	78°3	78°44
75°2	73°3	73°8	76°3	79°3	80°8	81°4	82°5	80°0	81°6	81°6	79°8	78°34
76°4	75°7	76°4	77°9	79°5	80°1	81°0	80°1	79°2	78°8	78°7	78°2	77°88
—	—	—	—	—	—	—	—	—	—	—	—	79°35
77°5	76°4	76°8	79°6	84°2	84°7	85°8	86°8	86°9	84°1	81°2	78°3	79°35
75°3	75°0	75°7	77°8	79°7	81°3	82°0	80°8	79°7	78°5	78°2	76°7	76°74
75°8	73°9	74°8	76°9	79°7	82°6	84°1	83°2	81°1	79°8	79°1	79°1	78°51
74°7	73°9	75°2	77°0	78°8	81°1	82°3	82°5	80°1	79°0	78°8	78°4	78°07
76°8	74°8	74°5	76°1	79°4	82°1	81°8	81°8	80°3	79°1	78°8	78°2	78°36
76°3	74°1	74°2	74°8	78°0	82°1	85°8	85°8	83°0	84°2	81°2	79°0	78°40
—	—	—	—	—	—	—	—	—	—	—	—	78°72
76°0	75°1	76°1	78°0	81°2	83°3	83°5	83°8	82°6	81°1	81°0	79°2	78°72
75°4	75°9	76°9	79°0	76°2	83°2	83°5	81°6	80°0	79°1	79°0	79°0	77°75
76°5	76°5	77°1	78°6	79°4	80°2	80°2	80°1	78°2	78°5	78°3	77°5	77°32
74°0	74°2	75°7	77°2	79°5	81°3	82°2	81°5	79°9	78°8	78°9	78°5	78°14
74°5	74°5	75°9	79°5	82°0	84°0	85°1	85°3	85°1	84°8	85°5	81°0	79°58
80°0	79°6	79°1	81°0	83°6	84°6	88°2	87°2	83°9	84°5	78°3	78°2	81°00
—	—	—	—	—	—	—	—	—	—	—	—	77°43
75°4	74°5	76°0	78°7	80°2	82°7	82°3	82°5	80°7	77°0	78°8	75°0	77°43
76°08	75°17	75°82	77°77	80°08	82°13	82°91	82°73	81°15	80°26	79°11	78°20	78°22

DECLINATION.													
Angular Value of one Scale Division of the Declinometer = 0'71. Increasing Numbers denote increasing Easterly Declination.													
Mean Göttingen Time. } 0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.		
SEPTEMBER.	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	73.5	75.2	77.0	76.8	77.3	77.3	78.1	76.3	77.7	80.0	77.4	77.1
	2	71.0	73.8	68.1	73.5	68.3	75.5	78.2	75.7	75.1	74.6	76.5	74.7
	3	72.2	72.7	73.0	69.9	68.8	67.5	76.7	78.9	77.5	79.0	78.5	75.3
	4	76.1	74.9	75.3	74.8	73.5	72.9	77.4	78.9	78.6	78.4	76.8	77.5
	5	77.8	77.4	76.9	76.2	77.2	77.9	79.0	78.5	78.7	79.3	77.3	76.8
	6	78.3	77.4	76.8	—	—	—	—	—	—	—	—	—
	7	—	—	—	76.2	65.6	66.2	73.0	79.5	79.5	79.8	79.8	76.5
	8	75.2	70.0	75.4	71.8	73.2	75.7	77.1	78.5	78.3	78.0	77.5	76.3
	9	78.2	77.0	76.1	76.7	77.2	76.8	76.9	77.3	78.1	76.7	76.2	74.7
	10	78.1	77.7	76.9	76.4	79.7	77.1	77.4	77.9	78.0	78.1	77.1	75.9
	11	78.0	75.3	76.6	74.7	75.3	76.1	77.7	78.1	78.3	79.6	77.0	75.7
	12	73.0	73.8	74.5	75.2	83.6	73.3	76.8	78.0	79.0	76.2	75.7	73.2
	13	78.1	77.0	72.7	—	—	—	—	—	—	—	—	—
	14	—	—	—	77.3	77.9	78.3	78.8	78.7	79.5	80.1	77.7	75.1
	15	75.9	77.0	77.7	78.5	78.5	78.6	78.7	78.6	78.3	78.1	76.5	76.8
	16	78.0	77.7	77.7	76.0	77.8	78.3	78.4	78.2	—	78.1	77.9	74.0
	17	78.1	74.5	74.4	75.9	76.4	77.3	76.7	77.1	76.2	75.6	73.0	71.4
	18	75.3	75.2	76.2	76.2	77.0	77.8	78.6	78.7	78.0	77.3	76.0	73.5
	19	77.3	77.6	77.2	78.9	—	—	—	76.0	77.2	75.4	78.2	75.2
	20	77.7	77.6	77.2	—	—	—	—	—	—	—	—	—
	21	—	—	—	76.7	77.0	78.0	77.3	77.7	77.8	77.7	76.7	74.7
	22	77.0	77.1	76.7	76.6	77.3	77.0	77.6	78.2	78.2	78.1	76.4	73.8
	23	78.3	77.7	77.8	77.8	77.9	77.9	78.0	78.1	78.2	78.0	76.5	74.1
	24	77.0	77.5	77.2	77.2	77.6	78.1	78.3	77.3	77.8	75.8	73.2	72.5
	25	79.0	58.8	66.9	65.0	71.0	69.9	74.2	74.5	76.7	76.1	76.9	74.5
	26	76.2	77.2	76.5	76.7	72.3	75.3	77.6	77.3	76.6	77.8	75.3	74.0
	27	77.4	72.3	76.6	—	—	—	—	—	—	—	—	—
	28	—	—	—	71.0	75.7	77.1	81.0	78.3	77.7	76.9	76.7	73.5
	29	76.1	77.3	76.6	75.1	77.2	77.4	77.3	77.2	78.6	79.2	76.3	74.0
30	77.9	77.8	76.5	77.5	77.9	78.3	78.7	78.5	—	77.6	75.6	72.2	
Hourly Means	76.57	75.29	75.56	75.33	75.65	75.82	77.58	77.77	77.90	77.75	76.64	74.73	
OCTOBER.	1	74.0	74.8	75.3	75.8	77.4	74.2	76.9	75.9	74.7	73.8	73.1	71.1
	2	77.7	77.2	77.8	77.4	78.0	78.2	78.1	77.8	77.3	76.9	75.0	72.9
	3	78.0	74.0	72.5	72.8	71.8	75.0	76.3	75.5	75.2	75.1	71.7	70.8
	4	78.1	75.8	76.8	—	—	—	—	—	—	—	—	—
	5	—	—	—	77.8	77.9	78.5	78.3	78.2	77.7	76.1	73.8	72.0
	6	78.9	78.0	77.5	76.8	74.0	76.1	78.5	76.0	77.1	75.0	72.5	71.8
	7	78.4	78.2	76.2	75.6	77.0	77.3	81.3	77.7	—	75.9	72.1	70.0
	8	79.0	78.1	77.4	77.3	76.7	76.9	77.0	76.7	76.1	76.0	72.8	71.7
	9	78.7	78.0	78.0	77.5	76.9	76.8	76.6	77.0	76.9	76.1	72.7	76.1
	10	71.2	75.1	69.0	72.9	75.5	76.9	77.8	76.8	76.1	75.8	74.1	72.5
	11	74.0	73.3	76.3	—	—	—	—	—	—	—	—	—
	12	—	—	—	76.5	76.9	77.8	77.6	77.4	77.7	77.2	74.5	73.1
	13	76.1	77.2	77.5	78.0	77.1	78.1	77.0	77.1	76.0	75.7	73.8	72.3
	14	78.8	78.7	78.8	78.2	—	78.2	78.2	78.0	77.2	77.7	74.0	72.8
	15	79.0	78.6	78.2	74.3	74.2	71.0	73.9	78.0	75.6	73.7	72.6	71.5
	16	79.0	78.1	77.7	78.5	77.2	77.7	77.2	77.6	76.3	74.0	72.2	70.7
	17	78.4	77.3	74.7	68.7	68.9	—	73.9	74.4	76.5	76.0	75.2	74.5
	18	79.0	78.7	78.3	—	—	—	—	—	—	—	—	—
	19	—	—	—	78.0	78.0	78.0	78.0	78.0	77.3	74.7	71.5	68.0
	20	80.7	79.1	75.5	64.0	70.2	74.3	76.8	76.4	75.1	74.0	71.8	70.6
	21	69.0	71.2	82.3	78.5	76.1	77.2	77.7	77.8	76.3	75.3	79.9	74.0
	22	78.2	77.8	78.5	79.2	79.1	77.1	82.3	77.0	76.2	76.6	73.8	73.8
	23	78.8	78.8	78.4	78.4	78.3	78.1	78.0	77.8	77.3	75.2	73.2	71.9
	24	77.7	77.3	76.3	75.9	—	73.8	73.8	73.5	—	73.6	72.0	70.8
	25	76.7	76.1	76.8	—	—	—	—	—	—	—	—	—
	26	—	—	—	76.7	76.5	76.8	76.8	76.0	—	—	70.9	69.2
	27	78.2	76.1	74.5	73.9	73.0	76.1	75.8	76.6	76.1	74.2	71.9	71.7
	28	78.7	77.2	76.4	78.0	77.9	77.6	77.2	76.8	—	74.1	72.3	71.0
	29	77.3	77.7	77.5	76.2	77.1	77.0	77.0	77.8	76.3	74.2	71.7	69.3
	30	78.3	78.0	72.8	74.9	77.7	77.7	77.9	78.1	77.6	78.0	75.0	73.3
	31	78.0	77.8	77.8	77.8	77.3	77.4	77.8	77.6	76.9	76.2	71.9	70.2
Hourly Means	77.40	76.97	76.62	75.91	76.03	76.68	77.32	76.94	76.50	75.43	73.19	71.76	

DECLINATION.

Angular Value of one Scale Division of the Declinometer = 0'71. Increasing Numbers denote increasing Easterly Declination.

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.
74.3	73.7	76.2	79.4	82.6	85.5	87.9	85.7	83.0	81.8	80.7	73.9	78.68
74.2	74.9	76.6	79.0	80.3	81.6	82.9	81.5	81.7	79.2	78.8	75.0	76.28
74.0	73.4	74.9	76.7	78.4	79.0	78.2	80.3	80.7	80.2	74.1	74.4	75.60
74.5	75.4	75.3	79.6	80.6	83.1	82.8	82.4	80.9	79.1	78.7	78.3	77.74
76.4	74.1	75.0	77.3	79.1	80.4	81.3	81.3	80.5	80.2	79.3	77.4	78.14
—	—	—	—	—	—	—	—	—	—	—	—	—
75.7	74.0	76.3	78.9	82.2	85.8	86.0	83.6	77.7	75.0	80.1	78.0	77.58
75.4	74.4	76.8	79.0	81.3	82.4	82.3	82.8	81.4	80.8	80.2	78.1	77.58
73.5	74.2	75.4	77.4	80.6	83.0	82.5	82.8	80.7	78.3	79.2	—	77.80
74.2	73.8	75.9	78.0	79.9	81.9	82.0	80.6	80.6	80.2	79.7	78.7	78.16
75.0	74.5	77.4	81.5	84.5	87.1	86.7	83.5	80.6	80.0	75.8	73.7	78.45
72.5	73.4	77.4	81.1	83.0	84.5	84.6	83.0	80.6	77.2	78.8	78.3	77.78
—	—	—	—	—	—	—	—	—	—	—	—	—
73.9	74.5	77.0	80.0	81.8	81.2	81.0	80.3	80.1	79.0	78.7	76.0	78.11
71.8	73.7	75.0	77.0	81.3	82.2	83.0	81.8	80.8	79.8	79.0	78.3	78.20
72.6	72.7	74.8	79.4	83.0	84.8	85.0	82.2	80.3	79.5	79.7	78.8	78.47
72.7	72.5	79.2	82.3	84.3	83.5	85.8	86.0	85.7	86.0	81.9	77.0	78.48
74.0	75.2	78.7	82.3	85.7	86.1	86.7	85.8	83.0	82.5	80.7	78.8	79.14
72.4	74.0	76.7	80.1	82.2	83.1	85.0	84.6	82.4	78.5	79.8	78.8	78.57
—	—	—	—	—	—	—	—	—	—	—	—	—
73.0	74.0	77.7	80.6	82.8	83.1	83.1	82.0	80.9	78.5	79.0	77.8	78.27
72.0	73.2	75.9	79.4	81.8	83.3	82.7	80.7	79.3	78.9	78.7	78.6	77.85
72.1	72.4	74.8	79.2	82.2	86.8	87.4	86.3	83.1	80.6	79.2	78.8	78.88
71.0	73.3	75.8	78.9	82.2	88.0	91.2	91.7	68.3	75.0	78.7	76.1	77.90
76.8	77.7	77.7	80.7	82.1	81.8	81.3	84.3	81.0	80.0	78.7	74.0	75.82
73.4	74.3	77.2	80.5	82.4	83.5	84.3	83.3	82.2	80.3	78.3	77.6	77.92
—	—	—	—	—	—	—	—	—	—	—	—	—
74.2	74.3	77.4	80.7	82.3	83.4	83.1	83.0	79.5	80.3	79.4	74.1	77.75
74.1	75.0	79.1	84.1	86.9	86.3	85.8	82.5	81.3	80.0	77.1	—	78.85
71.3	72.3	76.8	82.1	85.7	87.2	86.8	84.8	81.3	79.7	78.7	78.9	78.87
73.65	74.03	76.58	79.82	82.28	83.79	84.22	83.34	80.68	79.64	78.96	77.10	77.94
69.8	72.2	76.0	81.4	84.3	84.9	84.4	81.7	80.0	78.8	78.3	78.6	76.97
72.7	73.7	77.4	82.2	85.1	87.1	86.6	84.3	81.0	79.2	79.5	78.2	78.80
71.8	72.8	76.4	80.8	83.0	85.2	85.5	83.9	82.0	80.5	79.3	78.7	77.02
—	—	—	—	—	—	—	—	—	—	—	—	—
71.5	74.9	77.8	80.3	82.3	84.2	85.0	83.1	78.6	80.6	80.0	79.5	78.28
70.8	74.3	77.1	80.7	83.8	85.9	86.5	84.0	81.0	80.7	79.7	78.5	78.13
70.9	74.3	77.7	81.1	82.7	84.3	84.0	82.5	81.0	80.0	79.5	78.1	78.08
72.0	74.8	76.5	80.0	83.0	84.2	84.3	85.0	82.2	80.8	79.4	79.0	78.20
77.2	79.8	78.5	82.0	83.5	86.0	87.3	85.0	83.4	83.8	78.3	70.1	79.01
73.6	74.9	78.2	82.2	84.7	86.0	84.3	83.0	81.6	79.6	77.5	78.8	77.42
—	—	—	—	—	—	—	—	—	—	—	—	—
72.5	74.2	76.9	80.8	83.7	84.6	84.2	83.8	82.0	80.0	79.2	78.8	78.04
72.3	75.0	79.6	82.3	83.9	84.9	82.2	81.3	80.5	80.2	79.4	79.2	78.20
73.7	76.3	80.0	83.8	86.1	85.7	84.7	82.2	80.1	79.1	79.0	78.8	79.13
71.8	74.9	79.9	85.2	88.3	88.9	87.2	83.8	81.0	79.0	79.0	78.5	78.25
71.2	73.8	78.2	83.3	86.8	89.6	87.8	86.1	85.5	84.5	81.0	79.2	79.30
76.0	76.9	80.7	84.8	88.4	90.0	87.8	84.5	80.6	79.8	79.2	79.2	78.54
—	—	—	—	—	—	—	—	—	—	—	—	—
67.1	70.2	75.9	80.8	84.4	86.2	85.4	84.1	83.1	82.1	81.9	79.4	78.25
69.9	73.8	79.2	81.7	—	89.5	89.1	91.1	88.0	82.9	79.0	75.3	77.74
75.3	76.8	82.2	87.4	88.8	88.2	86.0	83.6	81.0	79.6	77.4	75.8	79.06
74.1	75.2	78.5	81.9	85.1	86.7	85.7	83.5	81.2	78.2	78.7	79.2	79.07
71.3	73.2	76.8	81.8	85.3	86.8	84.9	83.0	82.0	81.4	81.6	79.2	78.81
71.8	74.3	79.8	84.3	87.9	88.9	88.3	84.8	81.7	79.5	77.1	77.5	78.21
—	—	—	—	—	—	—	—	—	—	—	—	—
69.8	72.8	77.9	82.1	85.7	86.6	85.7	83.4	81.2	79.8	79.6	78.8	78.00
71.3	74.2	78.2	81.7	84.7	86.1	85.1	83.0	81.2	79.2	79.0	79.0	77.53
71.8	75.0	79.6	84.2	87.2	87.8	85.9	83.4	80.8	79.0	78.7	78.1	78.64
68.1	69.9	75.1	78.0	86.3	86.8	84.7	82.3	80.9	79.7	79.0	79.0	77.45
73.3	73.9	77.9	82.8	86.1	87.3	86.1	84.0	82.2	80.0	79.1	78.5	78.75
71.3	73.9	78.4	84.4	87.2	89.3	88.8	87.7	85.0	84.7	82.6	83.2	79.72
71.96	74.30	78.16	82.30	85.32	86.73	85.83	84.00	81.81	80.47	79.33	78.38	78.32

DECLINATION.												
Angular Value of one Scale Division of the Declinometer = 0'·71. Increasing numbers denote increasing Easterly Declination.												
Mean Göttingen Time. } O ^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.	
NOVEMBER.	1	78·0	78·1	77·1	—	—	—	—	—	—	—	
	2	—	—	—	75·0	72·6	75·0	76·9	76·4	75·8	75·1	
	3	78·1	77·2	77·5	75·9	77·1	77·9	77·9	77·9	76·7	76·1	
	4	78·1	77·7	76·1	73·4	—	77·1	78·2	77·4	76·8	77·1	
	5	78·5	78·2	76·3	76·0	65·9	65·3	73·0	71·4	76·7	77·1	
	6	78·5	78·0	78·0	77·8	77·8	77·7	77·3	76·9	—	74·2	
	7	77·2	75·1	73·4	73·4	73·9	74·6	73·1	73·2	72·7	72·7	
	8	78·6	77·9	76·6	—	—	—	—	—	—	—	
	9	—	—	—	—	78·0	78·0	77·6	77·0	76·5	74·3	
	10	79·1	78·1	77·8	78·6	78·5	76·3	75·7	77·5	—	71·2	
	11	77·9	78·0	76·2	76·3	77·2	77·4	79·7	78·8	—	74·3	
	12	78·2	78·3	78·3	78·3	77·3	77·9	79·3	78·2	76·5	74·0	
	13	78·6	78·4	78·6	78·5	78·2	78·2	78·4	78·3	76·6	75·1	
	14	78·8	78·8	78·8	78·7	78·5	78·1	—	—	77·6	75·8	
	15	78·6	78·5	78·4	—	—	—	—	—	—	—	
	16	—	—	—	77·8	77·9	78·0	78·5	78·7	77·0	75·5	
	17	72·1	73·6	75·5	73·0	77·1	77·0	77·9	78·8	—	74·4	
	18	78·7	78·0	76·6	74·0	71·3	75·2	82·6	79·0	—	73·3	
	19	77·4	75·9	75·3	73·7	75·5	77·7	79·0	78·7	—	76·2	
	20	78·3	77·7	75·7	76·6	77·0	77·7	77·8	77·5	77·4	77·4	
	21	76·8	76·2	77·1	79·4	77·8	78·0	78·0	77·9	76·3	75·7	
	22	78·2	77·8	78·1	—	—	—	—	—	—	—	
	23	—	—	—	75·3	77·2	77·4	79·7	77·8	—	73·8	
	24	78·3	78·0	78·1	78·5	73·1	75·8	76·5	76·2	75·4	74·9	
	25	79·5	78·6	77·3	77·3	77·3	77·2	76·9	76·1	74·2	73·0	
	26	79·8	79·2	79·0	78·7	78·5	78·2	77·5	76·3	75·7	73·7	
	27	79·0	79·2	79·2	79·0	78·5	78·4	78·4	78·1	76·7	74·7	
	28	64·8	72·9	74·8	77·3	—	78·0	77·8	77·5	74·4	72·7	
	29	74·2	74·3	75·2	—	—	—	—	—	—	—	
	30	—	—	—	—	77·8	79·0	78·0	78·8	—	76·0	
Hourly Means	77·41	77·23	77·00	76·63	76·26	76·84	77·74	77·27	76·06	74·73		
DECEMBER.	1	78·2	78·0	78·2	78·0	78·5	79·2	79·2	79·2	77·9		
	2	75·5	74·1	74·8	74·5	77·0	77·1	78·1	78·1	76·5		
	3	74·1	66·0	73·8	73·9	48·9	42·6	47·5	79·3	77·8		
	4	78·4	78·2	78·3	78·1	78·2	78·5	78·9	77·3	75·3		
	5	79·0	75·5	73·7	72·0	71·2	69·4	73·5	76·2	76·4		
	6	77·6	78·0	77·8	—	—	—	—	—	—		
	7	—	—	—	77·9	78·1	78·8	77·5	77·7	77·2		
	8	79·0	78·1	75·1	76·3	77·1	76·1	76·5	78·3	76·6		
	9	78·8	78·5	78·4	78·2	79·4	78·1	77·7	77·4	—		
	10	79·2	78·1	75·7	77·2	77·5	78·2	76·5	76·8	75·1		
	11	78·4	78·8	78·9	78·9	78·0	78·0	78·0	76·5	74·6		
	12	75·0	77·3	77·0	76·3	78·1	80·8	79·5	78·5	75·5		
	13	70·8	66·0	69·9	—	—	—	—	—	—		
	14	—	—	—	78·6	78·3	78·0	78·0	77·3	74·9		
	15	66·5	71·2	74·1	70·5	—	—	—	85·0	75·7		
	16	77·9	75·1	75·7	76·9	78·0	—	77·8	77·7	76·4		
	17	76·0	78·2	77·1	76·4	77·5	76·7	78·7	78·8	—		
	18	75·3	74·8	73·2	70·5	75·1	75·8	78·7	77·1	76·5		
	19	78·4	78·3	78·6	77·7	77·9	78·0	78·2	77·7	76·7		
	20	79·2	78·8	78·2	—	—	—	—	—	—		
	21	—	—	—	77·8	78·2	78·2	78·1	77·0	74·7		
	22	76·5	76·6	77·7	78·4	78·2	77·9	77·5	77·1	74·7		
	23	78·7	79·0	78·7	78·5	77·4	78·5	77·3	75·2	73·2		
	24	76·1	77·8	77·6	—	—	—	—	—	—		
	25	—	—	—	78·5	78·2	77·8	78·0	75·1	75·2		
	26	75·8	76·9	78·5	78·0	—	76·5	77·0	75·6	74·4		
	27	78·8	79·0	77·0	—	—	—	—	—	—		
	28	—	—	—	81·3	79·9	78·5	73·2	76·8	75·2		
	29	78·5	77·8	78·3	79·5	77·3	75·5	—	—	75·6		
	30	74·0	67·2	75·2	70·3	72·2	78·7	78·2	75·4	75·6		
	31	78·6	76·9	77·4	77·0	77·7	77·8	77·8	77·0	76·3		
Hourly Means	76·70	75·93	76·50	76·58	76·16	76·03	76·31	77·52	75·75			

^a Christmas Day.

DECLINATION.

Angular Value of one Scale Division of the Declinometer = 0' 71. Increasing Numbers denote increasing Easterly Declination.

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.
70°0	71°0	73°8	78°8	83°0	86°0	87°0	87°0	77°6	80°9	80°0	79°1	77°47
70°2	72°7	77°0	81°3	86°3	88°4	87°6	86°1	83°0	80°6	79°1	78°6	78°59
72°0	73°4	79°2	83°3	86°7	87°1	86°3	87°0	85°1	83°0	82°0	78°5	79°20
72°3	75°3	80°1	83°2	86°5	87°4	85°4	83°3	82°0	78°7	79°2	78°8	77°20
72°7	76°0	78°9	82°0	85°7	86°3	84°5	83°7	82°4	79°8	76°1	78°7	78°56
73°5	76°5	80°3	83°2	85°3	85°2	84°0	83°0	81°9	80°2	79°5	79°0	77°10
73°3	77°3	82°0	85°0	87°5	86°8	84°5	83°6	82°0	80°2	79°8	79°1	79°12
68°3	72°2	79°2	84°8	89°7	89°8	87°8	85°0	81°7	79°1	78°1	78°1	78°29
72°7	76°4	79°2	82°5	86°0	85°8	84°8	82°4	80°8	78°9	78°0	78°2	78°56
70°1	73°3	79°0	84°4	88°5	89°1	86°6	84°0	80°8	78°8	78°6	78°4	78°72
68°7	71°2	76°8	81°7	86°0	87°5	87°2	84°9	81°5	79°2	79°0	79°0	78°53
69°9	73°5	75°7	81°2	85°8	88°0	87°0	85°0	81°3	79°0	78°7	78°7	78°79
73°1	73°3	76°4	85°1	89°8	89°9	88°8	87°5	84°3	82°0	79°7	74°3	79°70
70°1	72°0	75°1	81°3	87°0	87°8	86°7	84°6	82°2	80°3	80°2	79°3	77°51
69°5	70°1	74°4	79°8	83°5	86°9	87°4	85°8	84°1	81°0	75°5	78°0	77°65
70°8	72°1	77°7	81°0	83°9	87°1	87°2	84°1	83°3	81°0	80°1	78°8	78°41
70°0	71°8	75°1	79°2	84°4	85°8	85°4	84°0	82°4	80°8	79°4	78°6	78°19
67°8	70°0	72°0	77°3	82°1	85°3	86°6	86°0	83°8	81°0	79°8	79°5	77°74
70°0	73°1	77°4	84°5	83°4	89°9	89°3	86°7	83°1	81°0	80°0	79°6	78°84
71°2	74°3	78°8	83°3	89°1	90°7	89°2	86°1	82°8	80°7	—	80°0	78°95
73°0	77°4	82°6	87°7	90°3	89°3	86°8	83°2	80°7	78°4	79°0	79°4	79°10
70°0	72°5	78°2	86°6	91°1	91°5	87°3	85°4	81°8	79°2	78°5	79°5	79°12
69°6	71°5	78°3	84°5	89°6	91°0	90°5	88°9	84°2	82°3	79°7	71°2	79°35
68°1	70°9	74°3	82°0	87°5	89°0	87°7	84°7	81°7	79°5	73°7	78°7	76°88
66°6	71°1	76°0	80°7	85°8	86°7	86°4	85°4	82°0	79°6	78°3	78°2	77°73
70°42	73°16	77°50	82°58	86°58	87°94	86°88	85°10	82°26	80°21	78°83	78°38	78°37
68°8	72°6	77°6	84°3	90°3	92°1	92°0	88°8	85°6	83°7	80°4	78°7	79°97
67°2	68°7	71°5	77°2	82°8	89°7	90°8	91°1	90°1	89°2	85°0	80°8	78°50
83°1	73°2	75°8	76°9	82°0	85°8	82°2	81°4	80°6	79°0	78°9	78°9	73°66
69°1	73°0	78°2	83°1	87°8	89°1	88°1	87°0	86°1	84°0	79°7	80°1	79°15
72°8	74°8	80°5	84°1	86°6	86°8	85°2	84°1	82°8	80°7	79°0	79°0	77°67
73°0	76°5	82°2	85°5	87°4	86°5	85°0	84°3	83°2	81°0	79°9	77°9	79°30
71°4	73°6	78°2	82°8	84°9	85°8	85°0	84°0	82°1	81°1	79°0	78°2	78°36
71°6	74°7	81°5	85°9	89°5	89°5	86°8	85°3	83°8	81°7	80°1	80°2	79°61
70°5	75°9	83°2	91°0	94°0	93°6	88°0	—	81°3	78°8	78°5	78°5	79°16
67°2	71°0	78°8	86°2	89°2	91°2	87°7	83°5	81°0	78°0	78°1	74°0	77°94
68°2	74°9	82°2	85°8	87°8	87°4	86°2	85°0	83°0	78°8	78°5	77°6	78°36
69°7	72°0	76°0	81°5	85°8	87°2	87°9	85°8	83°1	79°8	79°6	78°5	77°23
69°0	72°1	76°6	80°1	84°8	88°5	90°2	86°7	83°0	80°8	79°7	79°2	77°69
67°8	70°4	74°6	79°5	84°0	87°0	87°3	86°8	85°1	82°2	79°8	78°3	77°98
69°8	71°1	74°6	78°9	83°8	86°6	85°7	85°2	80°8	81°1	79°3	77°2	77°97
70°1	72°3	76°4	80°9	84°5	85°5	84°6	83°1	81°4	80°0	78°4	78°6	77°04
68°3	70°4	73°7	79°7	85°3	88°5	87°6	84°6	83°0	80°7	79°6	79°5	78°34
69°0	72°2	78°5	81°8	86°7	88°6	89°8	88°5	84°9	81°8	79°9	79°3	78°93
70°0	72°2	77°1	83°5	87°1	88°0	84°5	81°5	79°8	78°9	79°2	79°8	77°87
67°8	73°3	81°2	86°0	88°5	88°0	86°3	82°6	80°9	80°1	80°3	77°6	78°27
72°2	74°2	77°7	81°5	86°2	87°2	86°5	84°9	82°7	80°2	80°0	79°2	78°52
69°9	73°8	80°9	84°0	86°5	88°8	88°5	85°0	83°0	81°0	79°6	79°8	78°34
71°1	76°6	83°5	86°8	90°1	90°0	87°5	84°6	80°8	78°5	77°8	77°8	79°09
70°5	73°9	80°7	86°2	90°6	92°2	93°3	91°3	87°2	83°5	81°8	74°6	80°16
66°7	68°5	75°5	84°0	88°3	88°9	89°1	85°8	84°0	82°1	81°0	79°8	77°21
66°5	69°0	74°0	80°0	86°1	87°6	88°0	85°9	83°0	80°8	78°6	78°6	77°93
70°05	72°73	78°10	82°97	86°95	88°47	87°45	85°47	83°17	81°10	79°68	78°53	78°18

HORIZONTAL FORCE.												
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.												
Mean Göttingen Time. } JANUARY.	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.
1	101.7	102.3	102.8	103.2	99.5	100.6	101.0	101.4	102.5	104.2	103.5	102.8
2	102.5	102.7	102.9	101.9	101.5	101.4	101.6	102.1	102.8	103.0	104.0	102.6
3	102.3	101.8	102.5	101.3	101.5	101.9	102.2	102.7	102.9	102.9	101.7	101.6
4	103.6	103.5	103.4	—	—	—	—	—	—	—	—	—
5	—	—	—	105.5	105.7	106.3	106.1	106.0	105.2	104.9	103.4	101.7
6	104.8	104.3	104.0	103.7	103.5	103.2	—	103.6	104.1	103.8	102.4	99.6
7	104.1	104.2	104.2	104.6	104.7	106.0	104.1	103.8	—	103.4	101.8	98.9
8	100.5	101.3	102.0	101.8	101.6	101.6	101.7	101.8	101.5	101.6	100.0	96.9
9	102.7	105.5	105.5	98.9	103.1	108.3	104.0	104.4	106.7	104.8	96.7	95.1
10	100.2	101.0	100.4	99.3	100.8	101.1	101.1	101.3	103.9	100.2	100.5	98.6
11	100.4	99.6	99.9	—	—	—	—	—	—	—	—	—
12	—	—	—	97.7	97.5	99.7	97.3	97.2	97.8	99.2	97.5	95.7
13	97.8	96.7	97.0	100.0	—	—	—	96.2	96.9	97.6	97.7	98.8
14	99.3	98.4	99.6	99.0	100.7	100.0	99.5	99.6	100.4	100.6	107.9	97.9
15	101.8	101.5	100.7	101.5	—	102.2	102.5	102.2	103.4	104.3	103.6	103.1
16	107.0	105.9	105.3	105.0	104.4	105.0	105.5	105.6	106.3	106.1	106.3	105.3
17	104.9	104.5	104.5	105.5	105.0	104.8	104.0	103.4	104.3	104.3	104.2	103.0
18	101.5	102.7	103.0	—	—	—	—	—	—	—	—	—
19	—	—	—	109.0	110.1	112.8	109.3	108.3	108.2	107.6	101.8	100.5
20	101.6	101.0	100.9	101.7	103.4	103.4	103.1	102.6	105.0	105.2	103.1	101.5
21	103.6	104.2	107.2	103.6	103.0	103.3	103.8	103.0	103.2	104.0	104.0	102.0
22	104.3	105.0	104.9	106.1	105.4	104.6	104.6	104.0	104.4	104.7	104.7	103.2
23	100.1	102.5	109.2	102.2	100.5	99.0	100.8	—	102.6	100.1	98.6	100.0
24	99.8	98.1	98.7	98.9	99.4	101.3	104.7	101.3	99.3	98.1	96.5	93.4
25	100.5	109.7	100.6	—	—	—	—	—	—	—	—	—
26	—	—	—	105.8	106.9	108.4	111.3	106.4	105.2	103.1	102.0	100.7
27	110.5	104.4	108.4	104.2	103.0	103.8	103.8	104.7	105.3	105.0	102.1	102.0
28	106.8	104.6	108.0	107.6	112.2	109.2	109.3	105.0	104.8	104.4	97.5	97.8
29	104.8	104.8	104.4	104.0	104.7	104.1	102.3	103.3	103.4	102.1	100.8	98.9
30	105.9	104.9	104.4	105.2	—	108.6	108.7	106.5	103.6	103.1	104.5	103.3
31	101.4	103.4	104.4	103.8	103.3	104.4	104.6	104.4	105.1	105.5	104.8	104.3
Hourly Means	102.35	102.90	103.29	103.00	103.39	104.03	103.87	103.10	103.41	103.10	101.64	100.34

TEMPERATURE OF THE BIFILAR MAGNET.												
JANUARY.	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .	10 ^h .	11 ^h .
1	64.0	64.0	63.8	63.6	63.6	63.3	63.3	62.8	62.5	62.2	62.0	61.8
2	64.6	64.5	64.3	64.2	64.0	63.8	63.6	63.6	63.5	63.2	63.0	63.0
3	65.6	65.4	65.4	65.6	65.2	65.0	64.8	64.6	64.5	64.2	63.8	63.5
4	63.2	63.4	63.2	—	—	—	—	—	—	—	—	—
5	—	—	—	61.4	61.0	60.8	60.8	60.8	60.5	60.2	60.0	60.0
6	64.8	64.8	64.6	64.6	64.4	64.0	—	63.4	63.6	63.3	63.3	63.3
7	66.4	66.4	66.2	66.0	66.3	66.3	66.2	66.2	—	66.2	66.2	66.4
8	68.6	68.4	68.3	68.1	68.0	67.8	67.4	67.2	67.0	66.8	66.3	66.2
9	65.4	65.2	65.0	64.8	64.4	64.0	63.5	63.4	63.3	62.9	62.6	62.3
10	64.8	64.8	64.7	64.5	64.5	64.3	64.1	63.7	62.4	63.2	63.4	63.2
11	67.1	66.9	66.7	—	—	—	—	—	—	—	—	—
12	—	—	—	68.0	67.6	67.5	67.2	67.0	67.1	66.8	66.7	66.7
13	72.6	72.6	72.5	72.3	—	—	—	71.6	71.2	71.2	71.6	71.8
14	71.3	71.0	70.5	70.0	69.5	69.2	68.8	68.5	68.2	67.5	67.2	67.0
15	68.2	68.0	68.0	67.8	—	67.0	66.6	66.4	66.3	66.0	65.7	65.7
16	64.5	64.4	64.2	64.0	63.7	63.4	63.1	62.6	62.2	62.0	62.0	61.6
17	65.0	65.2	65.3	65.3	65.2	65.0	65.0	65.0	64.8	65.0	64.8	64.7
18	65.6	65.4	65.2	—	—	—	—	—	—	—	—	—
19	—	—	—	60.3	60.2	59.9	59.7	59.5	59.4	59.0	59.0	58.8
20	61.7	61.6	61.5	61.4	61.2	61.2	61.4	61.6	61.3	61.2	61.0	60.8
21	64.3	64.0	64.0	63.6	63.2	63.0	62.5	62.4	62.3	62.0	61.8	61.6
22	65.6	65.5	65.3	65.2	65.0	64.7	64.4	64.0	64.0	64.0	63.8	64.0
23	68.0	68.0	68.0	68.3	68.2	67.9	67.5	—	67.0	67.0	66.8	66.3
24	70.5	70.4	70.4	70.4	70.2	70.0	70.0	70.0	69.8	69.7	69.6	69.3
25	68.0	67.5	67.4	—	—	—	—	—	—	—	—	—
26	—	—	—	62.8	62.5	62.2	62.0	62.0	61.5	61.5	61.3	61.0
27	64.4	64.4	64.0	64.0	63.6	63.5	63.4	63.2	63.1	62.7	62.6	62.5
28	65.5	65.4	65.0	65.0	65.0	64.8	64.6	64.3	63.8	63.6	63.4	63.0
29	65.0	65.0	64.8	64.7	64.5	64.2	64.0	64.0	64.0	64.0	63.8	63.8
30	63.7	63.6	63.4	63.3	—	62.8	62.5	62.4	62.2	62.2	62.0	62.0
31	64.8	65.0	65.0	65.0	65.2	65.1	64.8	64.7	64.4	64.0	64.0	63.8
Hourly Means	66.04	65.96	65.80	65.34	64.84	64.64	64.45	64.42	64.23	64.13	63.99	63.87

HORIZONTAL FORCE.

One Scale Division = '000229 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. 100'5	Sc. Div. 99'3	—	Sc. Div. 99'8	Sc. Div. 100'9	Sc. Div. 102'0	Sc. Div. 104'1	Sc. Div. 106'6	Sc. Div. 105'1	Sc. Div. 103'2	Sc. Div. 103'5	Sc. Div. 102'5	Sc. Div. 102'30
101'3	99'2	98'5	98'9	102'2	103'9	103'6	103'1	103'1	104'4	103'2	101'9	102'17
102'2	104'0	103'8	103'3	105'4	106'3	105'7	104'6	104'2	103'7	103'4	103'5	103'14
—	—	—	—	—	—	—	—	—	—	—	—	—
101'6	102'0	105'1	109'1	110'5	109'4	108'4	107'9	107'8	106'4	106'2	104'7	105'18
96'6	96'8	97'7	99'7	101'0	103'2	103'7	104'1	103'7	105'0	104'7	104'0	102'48
96'5	95'9	96'0	99'2	102'2	104'0	103'2	104'8	104'2	102'1	101'1	100'1	102'13
93'2	93'8	99'0	103'1	105'8	106'6	105'3	104'2	104'7	103'9	104'9	104'0	101'70
89'5	83'8	86'8	90'0	96'7	98'0	102'3	103'3	104'6	104'2	102'5	102'7	100'00
96'8	95'5	97'1	100'5	102'1	102'4	106'1	105'5	104'0	101'5	101'5	101'2	100'94
—	—	—	—	—	—	—	—	—	—	—	—	—
94'4	92'7	90'8	92'0	93'6	95'2	101'8	102'5	101'5	99'2	98'5	100'5	97'59
97'9	96'0	94'3	94'3	94'1	93'6	96'6	97'7	97'9	99'1	98'9	103'5	97'27
98'2	99'0	98'2	97'6	99'3	102'0	102'1	102'2	102'6	101'7	103'4	103'2	100'21
101'6	101'3	100'2	—	99'9	100'4	100'8	100'5	102'5	105'4	106'5	106'0	102'36
102'5	101'1	100'1	101'8	101'7	105'5	109'6	105'0	105'2	106'0	105'5	105'0	104'86
101'4	100'7	99'7	99'8	101'3	102'6	104'5	103'7	105'1	105'5	104'8	105'9	103'64
—	—	—	—	—	—	—	—	—	—	—	—	—
99'6	95'8	97'7	96'3	97'8	96'1	101'3	102'8	102'8	103'7	104'1	104'2	103'20
100'0	99'0	100'2	101'3	—	108'0	105'4	105'9	106'7	103'8	103'5	104'0	103'05
100'5	101'0	100'9	101'4	101'7	103'5	99'8	105'1	105'1	104'5	104'7	105'0	103'25
98'1	101'6	101'1	98'5	101'8	104'5	107'0	105'1	106'1	102'9	102'8	99'9	103'55
95'3	96'1	95'2	88'3	90'7	96'9	100'5	101'9	101'1	101'1	99'3	99'7	99'20
91'9	92'3	91'9	93'4	98'6	101'9	103'6	104'2	102'2	102'3	101'0	103'2	99'00
—	—	—	—	—	—	—	—	—	—	—	—	—
97'6	97'5	98'0	98'9	103'2	107'4	105'7	106'1	105'6	106'0	103'6	108'7	104'12
100'8	99'5	99'2	99'0	—	102'5	105'0	106'7	106'8	105'6	105'0	104'8	104'00
95'8	95'1	94'1	97'3	100'2	105'6	107'1	107'0	106'6	102'6	108'9	103'6	103'79
98'2	97'5	96'1	95'5	97'8	99'7	101'6	102'8	103'5	105'0	104'9	105'2	101'89
101'1	99'3	99'4	101'6	105'0	107'8	109'3	109'7	107'2	106'2	104'3	106'0	104'98
102'0	100'6	98'4	100'5	102'3	105'8	106'0	105'9	106'7	107'0	106'5	106'3	104'06
98'33	97'64	99'80	98'50	100'63	102'84	104'07	104'40	104'31	103'77	103'60	103'67	102'25

TEMPERATURE OF THE BIFILAR MAGNET.

61'7	61'7	—	62'2	62'9	63'3	63'6	64'0	64'3	64'5	64'6	64'6	63'23
63'0	63'0	63'0	63'2	63'6	64'0	64'2	64'6	65'0	65'2	65'4	65'6	63'96
63'2	62'8	62'6	62'8	62'8	62'8	62'6	63'0	63'0	63'2	63'4	63'4	63'88
—	—	—	—	—	—	—	—	—	—	—	—	—
60'0	60'0	60'5	61'2	61'8	62'4	63'0	64'0	64'4	64'6	64'8	64'8	61'95
63'2	63'3	63'7	64'2	64'8	65'2	65'8	66'2	66'5	66'5	66'5	66'5	64'63
66'6	66'6	66'8	67'2	67'6	67'9	68'3	68'4	68'7	68'8	68'9	68'7	67'10
66'0	66'0	66'0	66'0	65'8	65'8	65'8	65'8	65'8	65'8	65'8	65'6	66'68
62'6	63'2	63'0	63'3	63'5	63'6	64'0	64'2	64'4	64'5	64'5	64'8	63'85
63'2	63'3	63'5	64'3	65'1	65'5	66'1	66'6	66'9	67'2	67'2	67'3	64'74
—	—	—	—	—	—	—	—	—	—	—	—	—
67'0	67'5	68'5	68'5	69'3	70'0	71'0	71'5	72'0	72'2	72'5	72'5	68'66
71'6	72'2	72'4	72'8	73'5	73'8	74'0	73'9	73'6	73'2	72'5	72'0	72'52
66'7	66'5	66'5	66'5	67'0	67'4	67'8	68'0	68'4	68'4	68'6	68'4	68'29
65'5	65'5	65'8	—	66'0	66'0	66'0	66'0	65'6	65'4	65'2	65'0	66'26
61'5	61'5	61'7	62'0	62'2	62'4	62'8	63'3	63'7	64'2	64'5	64'7	63'01
64'6	64'6	64'8	65'0	65'2	65'2	65'6	65'8	66'0	66'0	65'8	65'6	65'19
—	—	—	—	—	—	—	—	—	—	—	—	—
58'8	58'7	59'0	59'2	59'7	60'3	60'7	61'0	61'3	61'5	61'6	61'7	60'65
61'0	61'0	61'2	61'6	—	62'6	63'0	63'6	63'8	64'0	64'2	64'0	61'99
61'5	61'7	62'0	62'6	63'2	63'6	64'2	64'6	65'0	65'3	65'6	65'6	63'32
63'9	64'0	64'4	64'6	65'8	66'6	67'2	67'5	67'7	68'0	68'0	68'2	65'47
66'8	67'0	67'2	67'8	68'6	69'0	69'4	69'8	70'2	70'2	70'4	70'5	68'28
69'0	68'8	68'7	68'8	68'8	68'8	68'8	68'6	68'6	68'6	68'4	68'0	69'34
—	—	—	—	—	—	—	—	—	—	—	—	—
61'0	61'0	61'2	61'7	61'7	61'8	63'2	63'8	64'0	64'2	64'4	64'4	63'00
62'5	62'5	62'7	63'3	—	64'2	64'5	65'0	65'2	65'2	65'4	65'5	63'80
63'0	63'0	63'2	63'5	63'8	64'1	64'3	64'7	64'8	64'9	64'9	64'9	64'27
63'6	63'5	63'2	63'4	63'6	63'7	63'8	63'9	64'0	64'2	64'0	63'9	64'02
61'8	61'8	61'8	62'2	62'4	63'0	63'2	63'5	64'0	64'2	64'5	64'6	62'92
63'5	63'2	63'5	63'5	63'4	63'4	63'4	63'6	63'8	63'8	63'6	63'6	64'09
63'81	63'85	64'11	64'28	64'88	65'05	65'42	65'74	65'95	66'07	66'12	66'09	65'00

HORIZONTAL FORCE.													
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah' = '000234.													
Mean Göttingen Time. } Oh.	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.		
FEBRUARY.	1	106·7	106·4	106·9	—	—	—	—	—	—	—	—	
	2	—	—	—	110·0	109·0	108·4	108·6	107·9	107·9	107·7	106·6	105·2
	3	108·6	107·3	107·5	107·7	107·8	107·8	108·1	107·7	107·6	107·5	106·6	104·3
	4	104·7	104·1	103·5	106·5	105·3	104·9	105·1	106·5	106·5	108·3	106·2	103·5
	5	103·9	103·3	104·5	105·0	104·6	102·4	103·0	101·5	102·8	104·0	103·7	101·5
	6	96·2	98·3	98·4	99·0	99·1	100·1	100·0	101·1	101·2	100·5	99·9	97·8
	7	102·8	103·3	103·6	102·9	103·3	103·8	104·0	104·3	104·5	104·6	104·6	104·7
	8	104·7	104·5	104·8	—	—	—	—	—	—	—	—	—
	9	—	—	—	109·3	109·6	107·5	108·5	108·7	109·2	109·8	109·3	108·0
	10	110·6	109·2	109·7	108·7	—	109·3	109·8	109·7	109·7	110·0	110·2	108·8
	11	111·4	110·7	110·8	110·8	110·9	110·9	110·6	111·0	111·2	111·6	111·4	110·8
	12	111·0	111·0	107·1	108·6	—	—	109·1	109·4	109·9	110·0	111·1	109·9
	13	109·6	109·1	112·0	109·2	109·3	109·4	110·1	109·1	109·4	110·1	111·3	110·4
	14	109·5	109·2	109·5	109·4	—	109·7	109·4	109·8	109·7	109·8	110·2	109·8
	15	109·5	109·0	109·0	—	—	—	—	—	—	—	—	—
	16	—	—	—	110·0	108·5	109·1	109·2	108·1	109·5	110·2	110·5	109·0
	17	109·2	109·2	109·2	109·3	109·6	110·2	107·3	110·2	108·5	109·5	110·5	109·4
	18	107·8	107·3	107·1	106·8	106·7	106·8	106·9	107·0	108·0	108·6	108·6	107·0
	19	109·4	109·8	110·2	110·1	110·6	111·1	111·2	111·3	111·4	112·1	112·5	111·5
	20	111·5	110·3	110·1	107·8	106·4	109·0	108·4	108·9	108·8	109·5	107·8	107·6
	21	105·2	104·5	107·5	107·0	107·8	106·7	108·3	110·8	109·0	—	106·4	105·2
	22	106·1	108·5	106·1	—	—	—	—	—	—	—	—	—
	23	—	—	—	106·8	106·1	106·0	108·4	110·0	107·9	107·9	107·3	101·1
	24	103·5	108·0	105·4	104·4	106·5	105·3	105·6	104·8	105·6	105·5	104·1	104·8
	25	104·0	104·2	110·3	106·5	102·3	102·3	103·3	103·4	—	105·5	104·6	103·6
	26	105·8	111·1	108·2	103·2	104·4	105·2	106·4	106·1	105·9	106·5	105·2	104·5
	27	106·3	108·6	109·0	107·3	—	105·3	106·4	106·7	106·7	106·3	108·0	106·5
	28	106·3	108·7	106·4	104·4	103·8	105·1	106·4	107·2	106·3	105·8	106·0	105·9
Hourly Means	106·84	107·31	107·36	107·11	106·58	106·80	107·25	107·55	107·70	107·88	107·60	106·28	
TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
FEBRUARY.	1	63·4	63·3	63·0	—	—	—	—	—	—	—	—	—
	2	—	—	—	61·2	61·0	61·0	60·6	60·5	60·5	60·3	60·0	59·7
	3	62·0	62·0	62·0	61·8	62·0	61·8	61·7	61·6	61·5	61·3	61·2	61·2
	4	64·6	64·6	64·6	64·5	64·2	64·0	63·8	63·8	63·3	63·0	63·0	63·0
	5	67·5	67·5	67·3	67·3	67·0	66·8	66·6	66·8	66·8	66·6	66·3	66·3
	6	70·5	70·5	70·3	70·2	70·3	70·2	70·0	69·8	69·5	69·2	69·2	69·2
	7	69·4	69·0	68·7	68·3	67·8	67·3	66·8	66·5	66·2	65·6	65·2	65·0
	8	66·0	65·8	65·8	—	—	—	—	—	—	—	—	—
	9	—	—	—	62·8	62·6	62·4	62·2	61·9	61·6	61·3	61·2	61·2
	10	60·3	60·2	60·0	59·9	—	59·5	59·5	59·5	59·2	59·0	59·0	58·9
	11	58·0	59·0	59·0	58·8	58·8	58·6	58·6	58·5	58·7	58·7	58·7	58·7
	12	60·8	60·8	60·8	60·7	—	—	60·5	60·3	60·2	60·0	59·8	60·0
	13	61·4	61·3	61·3	61·2	60·8	60·5	60·5	60·3	60·2	60·0	59·8	59·6
	14	62·3	62·2	62·0	61·7	—	61·0	60·8	60·6	60·2	60·2	60·0	60·0
	15	61·4	61·4	61·2	—	—	—	—	—	—	—	—	—
	16	—	—	—	61·0	61·0	60·8	60·8	60·7	60·5	60·5	60·3	60·2
	17	62·7	62·5	62·2	62·2	62·0	61·7	61·4	61·2	61·3	61·0	60·7	60·7
	18	64·6	64·6	64·6	64·6	64·5	64·3	64·1	64·0	63·8	63·6	63·6	63·0
	19	61·8	61·8	61·5	61·4	61·2	61·2	61·0	61·0	60·9	60·8	60·6	60·6
	20	63·2	63·0	63·0	63·0	63·4	63·4	63·5	63·6	63·3	63·3	63·3	63·3
	21	63·0	63·0	62·6	62·5	62·3	62·2	62·1	61·7	61·5	—	61·2	60·7
	22	62·0	62·0	62·2	—	—	—	—	—	—	—	—	—
	23	—	—	—	63·2	63·0	63·0	62·8	62·7	62·7	62·5	62·3	62·2
	24	64·2	64·8	65·0	65·2	65·5	65·3	65·2	65·0	64·7	64·3	64·0	64·0
	25	65·2	65·1	64·9	64·8	65·0	65·0	64·8	64·5	—	64·0	63·2	63·0
	26	63·7	63·5	63·2	63·0	62·8	62·7	62·5	62·3	62·3	62·2	62·0	61·9
	27	64·0	63·8	63·7	63·5	—	63·4	63·3	63·2	63·0	62·8	62·5	62·7
	28	64·8	64·8	64·7	64·6	64·3	64·2	64·0	63·8	63·5	63·4	63·2	63·2
Hourly Means	63·62	63·60	63·48	63·23	63·47	63·06	62·80	62·57	62·41	63·33	62·09	62·01	

HORIZONTAL FORCE.

One Scale Division = '000229 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.
103·3	101·6	100·9	101·6	103·9	106·3	108·6	109·2	107·9	108·7	108·6	108·4	106·68
101·8	99·4	99·2	101·2	103·9	107·5	107·9	107·7	108·4	108·2	107·2	105·1	106·08
100·4	98·1	99·0	101·5	104·7	106·3	106·6	106·4	106·5	106·0	105·1	104·8	104·60
98·9	95·0	96·4	99·4	98·8	102·1	102·9	98·0	101·7	101·0	96·5	104·1	101·46
95·0	93·6	95·0	97·1	99·1	100·0	101·6	103·9	104·6	104·6	103·4	103·1	99·69
102·8	99·0	98·7	99·3	99·3	101·3	103·7	105·3	105·9	106·6	106·2	102·9	103·22
104·7	102·1	99·0	100·5	104·5	108·0	106·8	109·8	108·7	110·5	109·6	108·0	106·92
106·0	102·6	99·9	100·4	104·2	106·6	108·0	109·9	111·0	110·6	110·2	110·7	108·07
108·7	106·5	105·3	104·8	106·1	109·0	111·8	111·8	111·0	111·6	109·8	110·0	109·93
108·4	106·3	102·5	101·9	105·0	106·2	107·8	110·0	110·7	110·0	109·1	109·9	108·40
108·2	106·2	104·3	105·6	107·2	109·2	110·6	111·5	110·8	109·1	109·1	109·8	109·19
107·2	104·8	102·7	102·8	103·9	106·4	107·7	109·4	110·0	110·0	109·5	109·3	108·24
106·6	103·2	101·5	103·8	106·4	108·7	109·7	109·0	109·2	109·0	109·2	109·0	108·20
106·0	103·1	102·1	102·5	105·1	107·0	109·7	109·5	107·4	108·5	107·8	107·9	107·86
104·5	102·0	101·0	102·2	104·8	105·7	106·3	107·6	108·0	107·9	108·0	109·2	106·49
108·2	104·0	101·5	102·1	104·1	107·8	110·5	112·8	112·5	111·1	111·2	113·0	109·58
104·1	102·0	100·5	100·0	99·1	97·6	102·0	105·3	106·7	104·1	104·4	105·2	105·71
103·1	99·8	99·7	100·5	101·3	104·0	107·5	107·7	107·6	109·2	107·5	105·1	105·71
101·6	97·2	97·9	95·1	96·9	97·7	102·7	104·0	100·9	103·2	105·3	105·9	103·77
101·1	95·1	92·9	93·7	97·4	97·9	99·7	100·0	109·0	102·0	107·6	104·0	102·66
97·5	95·2	92·1	92·0	95·8	99·7	102·0	104·7	102·6	102·7	109·8	104·5	102·12
101·4	101·1	99·0	98·2	99·7	102·9	107·0	105·7	107·1	106·5	104·8	105·6	104·64
104·0	100·2	96·0	97·0	100·0	103·7	104·0	104·8	105·2	105·1	106·1	106·0	104·74
104·6	100·3	94·0	96·7	99·6	101·3	103·8	104·9	105·0	104·6	105·0	105·6	104·07
103·67	100·76	99·21	99·99	102·11	104·29	106·20	107·03	107·43	107·11	107·12	106·96	105·75

TEMPERATURE OF THE BIFILAR MAGNET.

0	0	0	0	0	0	0	0	0	0	0	0	0
59·6	59·2	59·5	59·8	60·1	60·0	60·5	61·0	61·2	61·5	61·8	62·0	60·86
61·2	61·2	61·2	61·5	62·0	62·8	63·3	63·7	64·2	64·4	64·6	64·6	62·28
63·0	63·0	63·2	63·3	63·8	64·2	64·8	65·5	66·2	66·8	67·2	67·4	64·37
66·2	66·5	66·8	67·6	68·3	69·0	69·2	70·0	70·0	70·2	70·4	70·7	67·82
69·0	69·0	68·7	68·5	68·7	68·8	68·9	69·3	69·5	69·6	69·6	69·6	69·50
65·2	65·2	65·2	65·2	65·2	65·5	65·5	65·7	66·0	66·0	66·2	66·2	66·37
61·0	60·6	60·5	60·4	60·5	60·5	60·5	60·5	60·4	60·4	60·4	60·3	61·70
58·9	58·8	58·7	58·7	58·7	58·5	58·5	58·5	58·5	58·7	58·7	58·7	59·08
58·8	58·8	59·0	59·6	59·8	60·4	60·4	60·4	60·5	60·5	60·6	60·8	59·32
60·0	60·0	60·0	60·0	60·2	60·3	60·4	60·6	60·9	61·2	61·3	61·3	60·46
59·5	59·5	59·6	59·7	60·0	60·5	60·9	61·4	61·7	61·9	62·2	62·3	60·67
60·1	60·0	60·2	60·3	60·2	60·2	60·4	61·0	61·2	61·2	61·2	61·4	60·80
60·3	60·3	60·3	60·3	60·5	61·0	61·2	61·8	62·2	62·3	62·5	62·6	61·05
60·5	60·7	60·8	61·5	62·2	62·7	63·3	63·8	64·2	64·4	64·5	64·6	62·20
63·3	63·1	62·8	62·7	62·6	62·4	62·2	62·5	62·4	62·2	62·0	62·0	63·31
60·5	60·4	60·4	60·5	61·0	61·6	61·8	62·2	62·3	62·5	62·7	62·8	61·35
63·3	63·3	63·3	63·2	63·2	63·2	63·2	63·4	63·6	63·6	63·5	63·2	63·30
60·5	60·7	60·6	60·7	60·8	61·2	61·2	61·5	61·7	61·8	62·2	62·0	61·64
62·0	62·2	62·5	63·1	63·4	63·6	64·0	64·2	64·2	64·5	64·6	64·7	63·07
64·0	64·0	63·9	64·0	64·2	64·3	64·5	64·7	64·9	65·1	65·2	65·2	64·63
63·1	63·0	63·0	63·1	63·1	63·1	63·5	63·8	63·5	63·5	63·3	63·5	63·87
61·8	61·8	62·0	62·2	62·2	62·5	63·0	63·2	63·5	63·7	64·0	64·0	62·75
62·6	62·5	62·5	62·7	63·0	63·2	63·5	63·8	64·3	64·7	64·8	64·8	63·40
63·2	63·2	63·5	63·7	64·0	64·3	64·6	64·8	65·0	65·2	65·2	65·2	64·18
61·98	61·96	62·01	62·18	62·40	62·66	62·89	63·21	63·42	63·58	63·70	63·75	62·83

HORIZONTAL FORCE.													
One Scale Division = '000229 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.	
MARCH.	1	105'2	105'8	105'8	—	—	—	—	—	—	—	—	
	2	—	—	—	105'3	105'8	105'7	105'6	105'7	105'7	106'1	106'7	
	3	102'4	102'7	103'0	103'0	103'7	104'3	—	104'8	104'0	104'2	106'0	106'0
	4	101'5	101'8	102'5	103'5	101'2	101'2	102'1	102'4	102'8	103'8	104'3	104'7
	5	105'3	105'9	106'0	107'0	106'8	106'4	106'7	107'2	107'9	108'5	108'4	108'3
	6	110'1	110'0	110'3	110'4	110'9	111'1	111'5	111'2	—	112'7	113'1	113'0
	7	110'6	109'7	108'7	109'5	110'1	110'9	110'9	112'0	—	—	114'6	112'2
	8	105'9	105'8	106'0	—	—	—	—	—	—	—	—	—
	9	—	—	—	104'9	106'2	107'7	108'6	108'2	107'2	107'3	107'9	106'1
	10	106'5	106'1	108'8	111'7	108'0	107'9	108'4	108'9	109'2	110'0	110'0	109'8
	11	107'4	107'3	107'4	107'0	107'2	107'6	108'0	108'7	108'8	108'9	108'6	107'6
	12	106'8	105'6	105'6	105'2	105'8	105'6	105'6	106'3	107'0	107'5	107'8	107'8
	13	106'1	106'7	107'3	107'7	—	107'5	107'8	107'3	108'6	108'4	108'8	108'0
	14	105'3	105'5	104'8	104'3	105'5	105'5	106'1	106'5	106'1	105'4	104'9	105'0
	15	103'0	103'5	108'9	—	—	—	—	—	—	—	—	—
	16	—	—	—	113'0	108'4	107'8	108'3	108'7	109'0	109'9	109'0	106'5
	17	107'2	108'9	106'9	107'7	107'6	107'6	107'0	107'2	107'2	107'5	108'1	105'5
	18	108'7	108'1	109'5	109'9	—	112'0	108'7	108'5	108'6	108'0	106'6	106'4
	19	109'7	110'3	110'4	110'1	—	—	—	—	—	109'6	109'3	106'9
	20	107'1	105'8	108'0	a—	—	—	—	—	—	—	—	—
	21	—	—	—	110'8	110'6	111'4	111'7	110'7	111'2	113'1	108'7	109'5
	22	110'3	110'3	109'6	—	—	—	—	—	—	—	—	—
	23	—	—	—	111'4	109'6	104'6	107'1	108'9	109'2	109'1	109'8	109'7
	24	106'2	114'9	106'2	106'7	107'6	108'1	109'0	108'8	109'2	110'6	108'0	107'3
	25	108'0	106'5	107'0	107'5	107'8	108'5	109'7	107'8	108'7	109'4	109'2	109'4
	26	108'0	109'3	113'2	107'7	108'0	109'9	109'3	109'6	106'5	106'7	107'1	104'3
	27	108'9	107'6	114'2	108'1	106'1	108'9	109'9	107'5	105'7	105'6	107'6	107'2
	28	108'7	107'7	109'0	107'3	107'8	108'3	109'0	108'5	109'4	109'7	107'9	109'6
	29	105'8	107'7	111'8	—	—	—	—	—	—	—	—	—
	30	—	—	—	108'3	109'2	108'1	110'2	109'2	109'4	109'5	108'6	108'3
	31	110'2	110'2	110'2	110'2	110'2	111'0	111'2	111'5	111'8	112'5	113'1	113'0
Hourly Means	106'99	107'34	108'04	107'93	107'46	107'82	108'36	108'17	107'87	108'50	108'56	107'91	
TEMPERATURE OF THE BIFILAR MAGNET.													
MARCH.	1	65'1	64'9	64'7	°	°	°	°	°	°	°	°	
	2	—	—	—	65'3	65'3	65'3	65'3	65'3	65'2	65'0	64'8	65'0
	3	70'2	70'2	70'0	69'7	69'5	69'2	—	68'8	68'4	68'0	68'0	68'0
	4	72'4	72'5	72'5	72'5	72'5	72'2	72'0	71'6	71'5	71'1	70'6	70'3
	5	66'5	66'0	65'6	65'2	65'2	64'7	64'4	63'9	63'2	62'8	62'4	62'4
	6	62'0	61'7	61'5	61'2	60'8	60'5	60'2	60'0	—	59'2	59'0	58'6
	7	61'0	61'0	61'0	60'8	60'8	60'7	60'5	60'4	—	—	60'0	60'0
	8	65'5	65'5	65'5	—	—	—	—	—	—	—	—	—
	9	—	—	—	65'2	65'0	64'8	64'5	64'3	64'0	63'7	63'2	63'0
	10	64'2	63'8	63'7	63'5	63'3	63'0	62'7	62'5	62'0	61'8	61'4	61'2
	11	64'3	64'2	64'1	63'8	63'4	63'1	63'0	62'6	62'5	62'5	62'2	62'2
	12	67'3	67'5	67'4	67'4	67'2	67'0	66'6	66'2	65'9	65'5	65'1	64'7
	13	62'6	62'6	62'2	62'2	—	61'8	61'8	61'6	61'7	61'5	61'3	61'3
	14	65'0	65'0	65'0	64'8	64'7	64'6	64'4	64'3	64'0	63'8	63'6	63'6
	15	67'6	67'6	67'6	—	—	—	—	—	—	—	—	—
	16	—	—	—	63'0	63'0	62'8	62'5	62'4	62'4	62'2	62'0	61'8
	17	63'2	63'2	63'0	63'0	63'3	63'2	63'1	63'0	63'0	62'8	62'8	62'6
	18	63'2	63'2	63'2	63'0	—	62'6	62'6	62'6	62'5	62'5	62'5	62'7
	19	62'4	62'0	62'0	61'8	—	—	—	—	—	60'6	60'4	60'2
	20	62'6	62'6	62'5	a—	—	—	—	—	—	—	—	—
	21	—	—	—	58'0	57'4	57'2	57'2	57'0	56'8	56'5	56'6	56'7
	22	57'4	57'4	57'6	—	—	—	—	—	—	—	—	—
	23	—	—	—	58'1	58'2	58'3	58'2	58'2	58'0	57'8	57'6	57'2
	24	60'3	60'2	60'3	60'0	59'8	59'5	59'5	59'2	59'0	59'0	58'7	58'2
	25	61'2	61'2	61'0	60'8	60'7	60'4	60'0	60'0	59'8	59'6	59'4	59'0
	26	60'5	60'5	60'3	60'2	60'3	60'2	60'1	59'9	59'8	59'5	59'3	59'5
	27	62'4	62'5	62'4	62'4	62'4	62'2	62'0	62'0	61'7	61'5	61'2	61'0
	28	61'8	61'8	61'8	61'8	61'6	61'2	61'2	61'1	61'1	60'9	60'7	60'5
	29	60'8	60'8	60'8	—	—	—	—	—	—	—	—	—
	30	—	—	—	62'0	61'8	61'5	61'5	61'4	61'3	61'2	61'0	61'0
	31	60'6	60'5	60'2	60'0	60'0	59'8	59'4	59'0	59'0	58'7	58'4	58'2
Hourly Means	63'60	63'54	63'44	63'03	63'01	62'74	62'29	62'39	62'40	61'99	61'69	61'56	

^a Good Friday.

HORIZONTAL FORCE.

One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.

12h.	13h.	14h.	15.	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.
103·3	100·3	97·9	96·9	97·6	99·8	101·5	102·8	102·2	102·0	102·4	101·8	103·23
104·2	102·3	100·1	98·0	98·6	99·9	100·4	101·9	102·8	100·4	101·2	101·4	102·40
103·8	102·2	100·0	98·3	100·1	102·0	103·9	103·4	104·0	104·5	104·9	105·2	102·67
105·9	104·3	102·9	104·5	105·5	106·0	106·8	108·3	108·8	109·2	109·3	109·9	106·90
111·1	108·4	104·9	104·1	105·1	107·8	110·9	112·1	111·6	111·3	111·2	111·2	110·17
109·5	106·6	104·3	104·0	105·2	108·0	108·5	108·8	107·9	108·2	107·7	106·0	108·81
107·6	105·9	102·7	102·5	102·1	107·1	107·6	108·3	107·0	108·3	107·1	107·8	106·49
108·4	106·3	104·5	104·0	104·7	107·0	108·1	108·4	108·1	107·9	107·7	107·5	107·83
106·0	103·5	102·4	103·4	106·4	108·3	108·8	109·2	108·3	107·5	107·2	106·7	107·17
106·5	103·8	101·5	103·5	105·8	107·6	108·4	107·5	107·7	105·4	107·0	105·9	106·13
106·7	106·3	105·5	107·0	109·3	109·8	109·7	112·2	104·4	101·4	99·5	105·3	107·01
103·4	101·7	102·6	100·4	101·4	102·0	104·0	103·3	104·3	103·6	104·5	104·6	104·19
103·1	100·5	101·2	103·2	103·1	103·8	106·1	105·5	106·4	106·4	108·9	107·5	106·32
104·2	105·4	104·4	103·5	104·4	105·9	106·2	108·4	107·2	107·2	107·7	109·7	106·77
106·3	104·8	104·1	103·9	105·1	105·5	106·1	105·8	106·6	108·7	108·7	109·4	107·39
105·8	103·2	100·5	101·7	102·5	102·7	103·9	103·9	105·0	106·2	106·9	111·5	106·32
108·3	107·5	107·1	105·0	104·0	106·6	108·2	108·7	107·7	110·0	109·3	110·1	108·79
108·0	106·8	101·3	105·8	107·9	104·4	109·3	110·7	110·3	109·2	106·4	107·2	108·20
104·7	98·0	109·5	102·0	104·1	105·3	106·8	106·4	105·0	107·6	108·0	106·8	106·95
107·7	104·0	102·7	103·9	106·4	107·4	108·5	106·5	107·1	105·8	105·7	111·7	107·37
104·0	103·1	103·3	100·1	106·2	106·8	104·8	108·5	108·9	109·0	108·6	108·1	107·12
105·5	103·1	101·6	101·8	104·9	106·1	107·3	107·8	108·7	109·0	108·9	109·2	107·13
108·7	106·0	103·6	103·8	105·2	105·0	106·6	106·5	107·5	106·9	102·1	105·8	107·07
107·2	105·9	105·4	105·8	106·1	106·6	108·1	108·6	108·3	108·7	109·4	109·6	108·16
112·6	110·3	109·8	110·1	110·2	109·5	110·0	108·2	110·0	110·9	111·0	111·3	110·79
106·50	104·41	103·35	103·09	104·47	105·63	106·82	107·27	107·03	107·01	106·85	107·60	106·86

TEMPERATURE OF THE BIFILAR MAGNET.

65·0	65·2	65·6	66·2	66·8	67·6	68·2	68·7	69·4	69·7	70·2	70·2	66·42
67·7	67·8	68·3	68·7	69·3	70·0	70·7	71·2	71·8	72·2	72·4	72·5	69·68
69·8	69·3	69·0	69·0	68·8	68·4	68·2	68·0	68·0	67·7	67·3	67·0	70·09
62·0	62·0	61·8	61·6	61·8	62·1	62·2	62·3	62·4	62·3	62·3	62·2	63·22
58·8	58·7	58·7	59·0	59·2	59·5	60·0	60·2	60·7	60·8	61·0	61·2	60·11
60·0	60·1	60·2	60·5	61·0	61·6	62·2	63·0	63·8	64·2	64·5	65·2	61·48
63·2	63·1	63·2	63·3	63·3	63·7	63·7	68·8	64·0	64·2	64·2	64·0	64·08
61·2	61·3	61·5	62·0	62·6	62·9	63·2	63·7	64·1	64·3	64·4	64·3	62·86
62·4	62·3	62·3	62·6	63·0	63·5	64·0	65·0	65·6	66·4	67·0	67·2	63·72
64·3	64·2	64·0	63·8	63·6	63·4	63·4	63·4	63·2	63·2	63·0	63·0	65·01
61·2	61·3	61·7	62·2	62·6	63·0	63·6	64·0	64·4	64·7	65·0	65·0	62·58
63·5	63·7	63·8	65·0	64·7	65·3	65·8	66·3	66·6	67·1	67·3	67·5	64·98
61·7	61·8	61·8	62·2	62·4	62·6	63·0	63·0	63·0	63·2	63·2	63·2	63·17
62·5	62·5	62·5	62·5	62·6	62·7	62·7	62·9	63·2	63·2	63·2	63·2	62·91
62·6	62·3	62·3	62·3	62·4	62·4	62·4	62·6	62·6	62·6	62·6	62·5	62·62
60·2	60·5	60·6	61·3	61·3	61·3	61·7	61·9	62·0	62·0	62·4	62·5	61·43
56·6	56·4	56·4	56·4	56·4	56·6	56·8	57·0	57·0	57·0	57·3	57·3	57·60
57·2	57·2	57·5	57·6	58·0	58·3	58·8	59·3	59·7	59·9	60·2	60·2	58·25
58·6	58·5	59·0	59·4	59·7	60·0	60·3	60·7	60·8	60·8	61·0	61·2	59·74
59·0	59·0	59·0	59·5	59·5	59·8	60·0	60·0	60·2	60·5	60·5	60·5	60·02
59·5	59·4	59·2	59·8	60·3	60·6	61·0	61·5	61·8	62·1	62·3	62·4	60·42
60·5	61·0	61·0	61·3	61·4	61·4	61·4	61·6	61·6	61·8	61·8	62·0	61·69
60·3	60·2	60·2	60·5	60·6	60·6	60·7	60·7	60·7	60·8	60·8	60·8	60·93
61·0	61·0	61·0	60·8	60·8	60·6	61·0	61·0	61·2	61·2	61·0	60·8	61·10
57·8	57·8	57·8	57·8	58·0	58·0	58·2	58·8	59·2	59·2	59·5	59·5	58·97
61·46	61·46	61·54	61·81	62·00	62·24	62·53	62·82	63·08	63·24	63·38	63·42	62·52

HORIZONTAL FORCE.													
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah° = '000234.													
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
APRIL.	1	Sc. Div. 111·4	Sc. Div. 111·2	Sc. Div. 111·0	Sc. Div. 111·9	Sc. Div. 111·3	Sc. Div. 111·3	Sc. Div. 111·2	Sc. Div. 111·2	Sc. Div. 110·4	Sc. Div. 111·5	Sc. Div. 111·1	
	2	109·8	110·3	110·3	110·3	110·4	110·8	111·1	111·2	111·0	111·8	112·3	111·4
	3	109·8	110·9	110·7	110·5	110·4	110·0	110·0	112·8	110·0	108·2	108·2	108·2
	4	106·6	106·9	106·1	108·0	108·3	108·7	108·8	109·1	—	—	108·2	107·1
	5	111·0	111·3	110·8	—	—	—	—	—	—	—	—	—
	6	—	—	—	114·0	114·1	114·6	115·3	115·9	113·0	115·3	115·7	115·6
	7	113·8	114·0	113·2	113·7	115·0	113·2	113·0	113·2	113·3	113·9	113·2	111·5
	8	111·5	111·2	110·9	110·6	110·9	111·0	111·3	111·5	—	112·1	111·4	110·0
	9	110·0	110·4	111·1	111·0	110·1	110·5	110·8	111·4	110·2	111·0	110·5	109·7
	10	112·0	112·4	113·1	113·3	112·3	112·2	113·0	113·0	113·3	113·0	112·0	110·9
	11	113·5	113·4	113·7	113·5	113·5	113·6	114·0	114·7	114·5	114·2	114·0	113·1
	12	115·1	114·5	114·1	—	—	—	—	—	—	—	—	—
	13	—	—	—	112·8	113·4	113·4	113·8	113·8	113·8	114·2	113·9	109·1
	14	108·7	105·3	102·8	103·0	102·9	104·0	103·9	102·8	103·8	105·5	104·7	103·6
	15	109·0	110·0	106·6	107·1	109·3	108·2	108·3	107·7	108·7	107·8	109·2	108·3
	16	106·2	107·0	107·1	107·5	108·0	107·4	108·0	108·8	109·3	109·2	110·0	108·7
	17	107·4	107·5	106·8	107·8	108·2	108·7	108·7	108·9	109·0	109·9	109·8	108·9
	18	105·4	105·7	105·9	104·8	103·9	102·4	103·5	104·2	105·0	107·6	109·2	105·2
	19	106·9	107·2	106·7	—	—	—	—	—	—	—	—	—
	20	—	—	—	106·3	107·5	107·7	113·4	107·9	108·0	108·5	107·1	106·8
	21	106·8	107·8	110·4	109·2	109·8	110·2	110·8	110·5	—	110·3	111·9	110·8
	22	111·5	111·2	111·2	111·6	112·4	112·5	112·4	113·2	113·7	114·2	113·3	111·9
	23	111·7	115·2	112·5	112·8	113·7	113·7	114·0	113·3	114·4	116·6	116·6	114·4
	24	113·3	112·5	113·2	111·4	114·0	112·9	114·3	113·3	113·5	113·8	113·6	113·5
	25	115·5	107·8	106·8	107·9	—	—	108·8	109·6	—	109·8	109·2	106·7
	26	110·5	110·0	111·2	—	—	—	—	—	—	—	—	—
	27	—	—	—	112·5	113·2	113·0	113·3	114·0	114·3	114·1	117·5	116·2
	28	111·6	114·4	111·4	111·3	110·5	110·0	110·7	110·5	110·4	110·0	111·2	111·8
	29	112·9	112·9	112·1	111·4	111·3	112·0	112·2	112·6	113·0	113·2	114·0	113·3
	30	113·9	113·8	114·3	113·6	113·0	113·1	113·3	114·0	114·7	115·3	115·0	112·5
	Hourly Means	110·60	110·57	110·15	110·30	110·69	110·64	111·07	111·12	111·23	111·19	111·66	110·39
TEMPERATURE OF THE BIFILAR MAGNET.													
APRIL.	1	59·5	59·4	59·4	59·2	59·4	59·4	59·3	59·3	—	59·0	59·0	59·0
	2	60·6	60·5	60·3	60·3	60·2	60·0	60·0	59·8	59·8	59·5	59·5	59·5
	3	60·8	60·8	60·6	60·5	60·2	60·2	60·2	60·4	60·4	60·3	60·3	60·2
	4	62·0	62·0	61·8	61·6	61·6	61·4	61·3	61·1	—	—	60·4	60·4
	5	59·4	59·2	58·8	—	—	—	—	—	—	—	—	—
	6	—	—	—	55·2	55·0	55·0	54·8	54·6	54·6	54·3	54·0	53·8
	7	56·2	56·4	56·4	56·3	56·4	56·2	56·1	55·9	55·6	55·5	55·2	55·2
	8	59·8	59·9	59·9	59·8	59·8	59·5	59·2	59·2	—	59·0	58·8	58·8
	9	61·2	61·2	61·0	61·0	60·8	60·6	60·5	60·3	60·4	60·3	60·2	59·9
	10	59·0	58·8	58·6	58·5	58·6	58·4	58·2	58·1	58·0	57·8	57·6	57·4
	11	57·4	57·3	57·2	57·1	56·8	56·5	56·4	56·2	56·2	56·0	56·2	56·0
	12	56·4	56·4	56·2	—	—	—	—	—	—	—	—	—
	13	—	—	—	57·7	57·7	57·7	57·7	57·7	57·7	57·8	57·8	58·0
	14	61·0	61·3	61·5	61·5	61·5	61·6	61·4	61·2	61·0	60·7	60·5	60·2
	15	61·0	61·0	60·8	60·8	60·5	60·5	60·3	60·1	60·3	60·2	60·0	59·9
	16	61·8	61·7	61·5	61·3	61·4	61·4	61·2	61·0	60·8	60·4	60·2	60·0
	17	62·2	62·1	61·9	61·7	61·2	61·0	61·0	60·8	60·6	60·5	60·3	60·2
	18	64·8	65·0	65·2	65·4	65·6	65·8	65·8	65·8	66·0	66·0	65·9	65·7
	19	64·5	64·2	64·0	—	—	—	—	—	—	—	—	—
	20	—	—	—	60·2	60·0	60·0	59·8	59·6	59·3	59·0	59·0	58·8
	21	60·4	60·3	60·1	59·7	59·6	59·2	58·8	58·8	—	58·2	58·0	57·8
	22	57·0	57·0	56·8	56·6	56·4	56·2	55·8	55·5	55·0	54·8	54·4	54·0
	23	55·5	55·4	55·3	55·1	55·0	54·6	54·4	54·2	54·0	54·0	53·8	53·7
	24	57·0	56·8	56·6	56·3	56·3	56·0	55·7	55·4	55·2	55·2	55·2	55·2
	25	57·0	57·0	57·2	57·5	—	—	57·9	58·0	—	58·2	58·0	57·8
	26	58·1	57·8	57·7	—	—	—	—	—	—	—	—	—
	27	—	—	—	56·5	56·2	56·0	56·0	55·8	55·8	55·7	55·7	55·5
	28	56·6	56·4	56·2	56·0	55·8	55·7	55·7	55·5	55·2	55·0	54·6	54·4
	29	55·8	55·8	55·8	55·8	56·0	55·8	55·6	55·2	55·0	54·8	54·4	54·2
	30	55·0	55·0	55·2	55·2	55·0	55·0	55·0	55·0	55·0	55·0	54·8	55·0
	Hourly Means	59·23	59·18	59·08	58·72	58·68	58·55	58·39	58·25	57·90	57·89	57·84	57·72

HORIZONTAL FORCE.

One Scale Division = '000229 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. 110.3	Sc. Div. 108.6	Sc. Div. 107.6	Sc. Div. 106.9	Sc. Div. 106.3	Sc. Div. 107.3	Sc. Div. 108.8	Sc. Div. 109.5	Sc. Div. 109.7	Sc. Div. 110.3	Sc. Div. 110.7	Sc. Div. 110.6	Sc. Div. 110.00
109.7	107.8	107.7	108.3	109.7	111.3	111.4	111.7	110.4	110.8	111.3	109.3	110.42
108.1	106.5	106.3	106.9	108.3	108.3	110.5	109.4	109.2	109.5	109.5	108.8	109.25
106.0	105.7	105.3	105.0	107.2	106.2	108.1	108.8	109.5	110.6	111.3	111.2	107.85
—	—	—	—	—	—	—	—	—	—	—	—	—
113.4	111.3	109.5	111.0	112.5	113.7	114.7	114.9	114.4	113.7	113.6	112.6	113.41
109.0	106.4	105.0	107.6	109.5	110.7	111.8	112.6	112.2	111.9	112.1	111.2	111.70
109.2	107.4	106.0	105.8	107.0	108.3	110.0	110.0	109.8	111.5	111.2	110.9	109.54
107.5	107.0	106.2	105.2	106.1	108.9	111.2	111.8	111.6	111.6	112.2	112.1	109.92
110.0	109.6	108.1	107.4	108.6	110.2	112.4	112.7	113.0	113.3	113.7	113.6	111.79
111.5	109.8	108.1	107.9	—	111.7	114.2	115.1	115.2	115.1	115.1	115.3	113.25
—	—	—	—	—	—	—	—	—	—	—	—	—
103.3	97.5	101.7	96.8	97.9	106.8	103.8	106.1	100.7	103.8	105.2	105.3	107.95
101.9	100.3	100.2	100.0	100.6	103.7	103.0	105.8	106.4	108.5	108.3	108.0	104.07
107.2	104.3	106.4	103.4	102.3	104.7	105.8	105.4	106.8	107.6	107.1	106.2	106.85
107.5	105.3	103.1	103.0	102.9	104.6	106.1	106.5	107.6	108.8	108.4	107.6	107.02
106.5	104.3	103.1	102.7	103.6	104.5	106.0	107.7	108.5	109.5	108.9	106.8	107.24
104.2	101.3	97.5	96.8	97.5	100.0	102.3	105.1	104.8	104.0	105.2	107.0	103.69
—	—	—	—	—	—	—	—	—	—	—	—	—
105.4	102.4	103.6	105.1	105.4	105.7	105.9	106.4	106.7	109.1	108.1	107.8	106.90
109.0	108.1	108.0	109.0	109.5	108.6	110.6	110.1	110.6	110.4	111.1	112.1	109.80
110.4	110.8	110.2	109.9	110.2	110.7	112.2	113.1	113.7	113.2	112.9	112.3	112.03
112.9	112.2	110.8	111.3	109.8	110.9	111.7	110.9	112.2	111.5	112.3	113.0	112.85
112.6	112.0	110.2	110.1	109.8	110.0	111.0	107.2	106.4	112.5	111.3	109.3	111.74
105.5	106.2	105.0	104.1	105.3	106.0	107.1	108.8	110.3	110.4	111.2	111.7	108.27
—	—	—	—	—	—	—	—	—	—	—	—	—
105.5	114.4	111.3	108.3	—	98.0	105.4	107.9	109.8	110.5	105.8	109.0	110.68
110.3	108.1	107.1	106.2	106.2	106.4	109.0	109.4	110.1	110.5	114.5	113.1	110.19
112.5	111.4	110.0	109.0	108.9	109.5	110.6	111.7	113.1	113.3	113.6	113.4	111.58
112.9	109.2	104.1	106.0	101.5	105.2	105.9	107.7	110.2	109.3	110.0	110.0	110.77
108.55	107.23	106.12	105.91	106.11	107.38	108.83	109.47	109.73	110.43	110.56	110.32	109.60

TEMPERATURE OF THE BIFILAR MAGNET.

58.8	58.8	59.0	59.2	59.6	59.7	60.0	60.3	60.4	60.6	60.6	60.6	59.54
59.5	59.2	59.5	59.7	59.9	60.3	60.4	60.6	60.8	60.8	60.8	61.0	60.10
60.2	60.3	60.5	60.8	61.2	61.5	61.5	61.7	62.0	62.0	62.2	62.0	60.87
60.2	60.3	60.4	60.4	60.7	60.7	60.7	60.7	60.5	60.3	60.0	59.7	60.83
—	—	—	—	—	—	—	—	—	—	—	—	—
53.8	53.8	54.0	54.2	54.3	55.0	55.3	55.5	55.8	56.0	56.0	56.0	55.35
55.2	55.3	55.5	56.2	56.7	57.3	57.8	58.6	59.0	59.5	59.7	59.8	56.75
59.0	58.9	58.9	59.1	59.2	59.5	59.8	60.0	60.4	60.6	61.0	61.0	59.61
59.7	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.4	59.3	59.2	59.0	60.02
57.5	57.3	57.3	57.5	57.7	57.7	57.7	57.8	57.9	57.8	57.7	57.6	57.94
56.2	56.2	56.2	56.2	—	56.0	56.2	56.2	56.4	56.4	56.4	56.4	56.44
—	—	—	—	—	—	—	—	—	—	—	—	—
58.2	58.5	58.8	59.2	59.7	59.8	60.2	60.4	60.6	60.7	60.8	61.1	58.62
60.2	60.2	60.2	60.5	60.6	60.8	60.8	61.0	61.2	61.0	61.2	61.0	60.92
59.8	60.0	60.2	60.5	61.1	61.2	61.6	62.0	62.0	62.0	62.0	62.0	60.82
59.8	59.8	60.0	60.2	60.7	61.0	61.3	61.6	61.9	62.2	62.3	62.3	61.08
60.3	60.3	60.3	60.6	61.0	61.8	62.2	63.0	63.4	64.0	64.4	64.6	61.64
65.6	65.5	65.4	65.2	65.2	65.2	65.2	65.2	65.2	65.2	64.8	64.8	65.40
—	—	—	—	—	—	—	—	—	—	—	—	—
58.9	58.8	59.0	59.3	59.4	59.8	60.0	60.2	60.4	60.5	60.5	60.4	60.23
57.5	57.2	57.2	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	56.9	58.07
54.0	53.8	53.8	54.2	54.5	54.8	55.1	55.3	55.4	55.6	55.6	55.6	55.30
53.7	53.7	53.8	54.2	55.0	55.6	56.0	56.5	57.0	57.2	57.5	57.4	55.11
55.0	54.8	54.8	54.8	55.0	55.0	55.2	55.5	55.8	56.2	56.6	57.0	55.69
57.8	57.7	57.7	58.2	58.4	58.5	58.5	58.5	58.5	58.4	58.4	58.3	57.98
—	—	—	—	—	—	—	—	—	—	—	—	—
55.5	55.5	55.4	55.6	—	56.0	56.3	56.3	56.5	56.6	56.6	56.6	56.25
54.2	54.0	54.0	54.2	54.7	55.0	55.2	55.5	55.5	55.5	55.8	55.8	55.27
54.2	54.0	54.0	54.0	54.0	54.2	54.2	54.5	54.6	55.0	55.0	55.0	54.87
55.0	55.0	55.0	55.0	54.8	55.2	55.2	55.2	55.0	55.2	55.2	55.2	55.05
57.68	57.63	57.71	57.90	58.33	58.39	58.57	58.80	58.95	59.06	59.13	59.12	58.45

HORIZONTAL FORCE.												
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '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.	Sc. Div.
MAY. 1	109·7	110·0	109·0	109·9	109·8	109·8	110·0	110·3	110·5	110·8	110·8	110·4
2	112·5	112·3	112·3	112·4	—	113·1	113·2	113·4	113·5	113·8	114·0	113·3
3	113·9	113·7	113·3	—	—	—	—	—	—	—	—	—
4	—	—	—	113·1	113·4	114·1	114·7	114·8	114·7	114·9	115·9	116·1
5	113·7	113·7	113·2	113·4	113·4	113·4	113·5	113·7	113·9	113·6	113·7	113·4
6	112·4	112·3	112·4	112·7	112·6	113·5	113·3	113·8	113·8	113·5	114·0	114·1
7	116·4	115·5	115·6	117·1	117·2	117·3	117·5	117·1	118·0	117·9	117·4	118·8
8	118·5	118·8	119·0	119·0	118·7	118·8	119·0	119·7	120·0	120·0	120·0	121·0
9	117·1	117·7	117·5	118·5	118·2	118·2	117·6	117·8	118·3	118·3	118·5	118·9
10	117·2	116·9	116·5	—	—	—	—	—	—	—	—	—
11	—	—	—	115·8	116·0	116·3	116·7	116·9	—	118·2	118·8	118·1
12	116·2	113·5	113·2	112·9	112·8	112·8	113·5	113·9	114·9	115·6	115·9	115·1
13	115·0	114·7	113·7	114·7	114·0	113·6	115·2	115·4	—	115·8	115·4	114·2
14	113·6	114·4	113·8	114·2	114·3	119·4	115·8	114·6	115·5	115·4	116·3	115·9
15	112·6	113·5	113·6	113·2	113·5	116·3	114·3	114·9	114·5	115·0	116·5	115·5
16	114·9	109·5	110·2	118·8	115·3	116·3	115·9	116·0	116·3	117·7	118·9	119·2
17	117·6	117·8	118·0	—	—	—	—	—	—	—	—	—
18	—	—	—	116·6	117·4	119·0	119·6	120·0	119·6	116·9	118·4	120·7
19	112·9	114·6	115·1	115·5	—	116·0	116·3	116·2	116·3	116·4	117·1	116·6
20	115·7	116·3	115·8	117·0	—	117·2	117·7	118·6	118·9	119·2	120·2	117·7
21	115·1	115·7	115·7	116·3	116·2	116·1	117·4	117·3	116·7	117·0	117·1	117·9
22	116·4	116·0	115·0	114·9	113·9	115·2	115·9	114·0	114·2	113·2	113·8	114·8
23	112·7	113·8	113·8	114·0	113·6	113·6	113·7	114·1	114·3	114·5	114·7	114·7
24	108·6	110·1	111·6	—	—	—	—	—	—	—	—	—
25	—	—	—	114·3	114·2	114·3	114·6	114·8	114·8	115·0	115·4	116·8
26	114·5	114·1	114·1	114·1	—	—	115·2	115·5	116·0	116·3	116·8	118·3
27	117·5	117·6	117·1	117·2	117·1	116·9	117·3	117·3	—	117·3	117·8	118·9
28	117·1	117·0	116·5	116·9	116·8	116·8	117·2	117·5	117·6	117·7	118·0	118·3
29	118·3	118·6	119·0	119·0	118·8	119·2	119·3	119·9	120·1	119·9	120·0	120·4
30	118·4	118·3	118·6	118·6	118·7	118·7	118·7	118·8	121·9	120·3	119·1	119·5
Hourly Means	114·94	114·86	114·75	115·38	115·27	115·03	115·88	116·01	116·27	116·31	116·71	116·87
TEMPERATURE OF THE BIFILAR MAGNET.												
MAY. 1	55·2	55·2	55·2	55·2	55·2	55·2	55·2	55·5	55·6	55·6	55·5	55·4
2	56·2	56·1	56·1	56·0	—	55·6	55·6	55·6	55·5	55·5	55·2	55·3
3	55·2	55·4	55·2	—	—	—	—	—	—	—	—	—
4	—	—	—	53·8	53·7	53·5	53·5	53·5	53·5	53·4	53·0	52·8
5	54·8	55·2	54·8	54·5	55·2	55·2	55·0	55·0	55·0	55·0	55·0	55·0
6	58·0	57·8	57·6	57·5	57·4	57·2	57·0	56·8	56·5	56·4	56·5	56·7
7	53·0	52·5	52·2	52·0	51·8	51·5	51·0	50·8	51·0	51·0	50·0	50·0
8	49·6	49·6	49·5	49·4	49·2	49·2	49·0	49·0	48·8	48·7	48·6	48·5
9	50·8	50·8	51·0	51·0	51·0	51·0	51·0	51·2	51·3	51·3	51·4	51·4
10	52·5	52·5	52·5	—	—	—	—	—	—	—	—	—
11	—	—	—	54·2	54·2	54·0	54·0	54·0	—	53·8	53·8	53·7
12	56·2	56·2	56·4	56·4	56·2	56·1	56·0	55·9	55·8	55·7	55·5	55·2
13	56·5	56·5	56·5	56·4	56·5	56·4	56·3	56·2	—	55·8	55·6	55·4
14	55·3	55·3	55·2	55·2	55·0	55·0	55·0	55·0	54·8	54·5	54·5	54·4
15	55·0	54·9	54·7	54·4	54·2	53·7	53·4	53·1	52·8	52·5	52·4	52·0
16	52·0	51·8	51·6	51·5	51·4	51·2	51·0	50·6	50·4	50·0	49·6	49·0
17	51·1	51·1	51·0	—	—	—	—	—	—	—	—	—
18	—	—	—	50·8	50·7	50·6	50·5	50·5	50·6	50·4	50·3	50·2
19	51·0	51·0	51·0	51·0	—	50·8	50·7	50·6	50·4	50·0	50·0	49·8
20	51·2	51·2	51·2	51·1	—	51·0	50·8	50·6	50·5	50·5	50·4	50·4
21	52·0	52·0	52·2	52·2	52·0	52·0	52·0	52·0	52·0	51·9	51·7	51·5
22	53·6	53·8	53·8	53·8	54·0	54·0	54·0	54·0	54·0	54·0	54·0	54·0
23	55·2	55·2	55·2	55·2	55·0	55·0	55·0	55·0	55·0	55·0	55·1	55·3
24	58·7	58·6	58·4	—	—	—	—	—	—	—	—	—
25	—	—	—	55·4	55·3	55·4	55·4	55·4	55·2	55·2	55·2	55·0
26	55·5	55·4	55·4	55·3	—	—	54·8	54·6	54·2	54·0	54·0	53·9
27	53·0	53·0	53·0	53·0	53·0	52·8	52·8	52·8	—	52·8	52·8	52·7
28	53·2	53·2	53·2	53·1	53·2	53·1	53·0	52·8	52·6	52·6	52·4	52·2
29	51·7	51·5	51·4	51·2	51·0	50·8	50·5	50·0	49·9	49·7	49·5	49·0
30	50·2	50·2	50·4	50·5	50·4	50·4	50·4	50·5	50·7	50·7	50·7	50·6
Hourly Means	53·72	53·69	53·64	53·47	53·44	53·23	53·19	53·11	52·87	52·92	52·80	52·67

HORIZONTAL FORCE.

One Scale Division = '000229 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.
109.3	108.7	108.4	108.3	108.7	109.1	109.7	110.8	111.7	112.1	112.2	112.3	110.09
112.4	111.7	111.7	110.0	110.5	111.1	112.2	113.2	114.1	114.8	114.7	114.4	111.50
—	—	—	—	—	—	—	—	—	—	—	—	—
115.9	114.8	113.6	112.3	113.6	113.4	113.9	114.5	115.0	114.6	113.9	114.0	114.25
112.2	110.4	108.6	108.0	108.8	109.8	110.5	111.8	112.7	112.5	112.4	112.4	112.19
112.5	111.0	110.4	110.2	110.4	113.0	111.3	114.2	115.4	115.5	115.8	116.4	113.10
118.3	117.5	116.2	115.2	115.3	116.0	117.0	117.7	118.3	118.5	118.8	118.9	117.23
119.3	118.4	116.4	114.7	114.8	115.2	116.6	117.5	118.0	117.0	117.1	117.1	118.10
118.2	115.8	114.1	112.7	113.1	113.5	115.0	116.8	117.5	117.8	117.7	117.5	116.93
—	—	—	—	—	—	—	—	—	—	—	—	—
115.4	113.2	112.6	111.3	111.3	111.1	111.3	112.1	112.2	113.3	113.8	113.9	114.73
114.4	113.1	112.2	112.1	112.6	113.0	114.3	115.7	115.5	115.4	115.0	115.0	114.11
114.5	113.0	110.6	107.8	109.1	110.0	110.7	114.1	114.3	114.8	115.3	114.4	113.49
113.5	109.8	109.7	110.4	110.7	112.3	113.8	112.5	112.7	112.7	114.4	114.0	114.73
115.0	115.0	114.2	113.0	113.5	114.4	117.0	118.0	118.3	118.5	116.4	114.4	115.04
117.9	116.1	115.0	113.5	114.1	114.4	115.7	116.7	117.3	117.4	117.6	117.5	115.92
—	—	—	—	—	—	—	—	—	—	—	—	—
118.1	116.6	108.5	109.0	106.2	109.0	112.5	113.2	114.9	114.9	115.9	109.5	115.41
116.2	114.2	111.8	110.0	112.0	113.8	114.6	116.1	116.5	116.6	116.7	116.5	115.13
115.6	117.5	115.5	116.3	111.7	110.7	112.4	114.6	116.0	116.2	116.3	116.2	116.23
116.5	114.5	113.3	112.9	113.7	113.5	114.7	115.4	117.5	118.0	116.7	116.5	115.90
114.7	114.0	112.1	111.4	110.7	110.8	112.3	112.4	112.0	112.3	112.9	112.1	113.54
114.3	113.2	111.9	110.3	109.8	110.0	111.2	112.3	112.3	106.9	107.0	105.8	112.19
—	—	—	—	—	—	—	—	—	—	—	—	—
116.8	116.0	114.2	113.0	112.3	113.0	113.8	114.8	115.0	115.3	115.4	115.0	114.13
117.9	—	—	114.6	113.5	113.8	115.2	116.8	117.0	117.2	117.5	117.5	115.72
118.8	117.5	115.5	118.7	114.3	—	115.6	117.2	117.4	117.5	117.5	117.4	117.24
117.7	116.8	115.7	115.4	114.8	114.8	115.5	116.9	117.8	117.9	118.2	118.1	116.96
110.0	118.4	117.5	115.5	115.9	116.0	116.9	118.1	118.5	118.4	117.4	117.7	118.45
119.3	117.8	116.3	115.6	114.8	114.0	114.9	115.7	112.9	111.1	110.6	111.3	116.83
115.95	114.60	113.07	112.39	112.16	112.63	113.79	114.96	115.41	115.28	115.28	114.84	114.98

TEMPERATURE OF THE BIFILAR MAGNET.

55.4	55.2	55.2	55.3	55.7	55.8	56.0	56.1	56.2	56.2	56.2	56.2	55.56
55.1	55.0	55.0	55.0	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.2	53.08
—	—	—	—	—	—	—	—	—	—	—	—	—
52.6	52.5	52.5	52.7	52.8	53.2	53.7	54.0	54.2	54.7	54.8	54.8	53.71
55.0	55.4	55.8	56.2	56.6	57.0	57.2	57.5	57.6	58.0	58.0	58.0	55.92
56.2	56.0	56.0	55.8	55.8	55.4	55.0	54.8	54.3	54.0	53.6	53.2	56.06
49.8	49.7	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.7	49.7	50.57
48.5	48.7	49.0	49.2	49.6	50.0	50.4	50.6	50.6	50.6	50.6	50.8	49.49
51.4	51.2	51.4	51.4	51.5	51.6	51.8	52.0	52.0	52.2	52.3	52.4	51.43
—	—	—	—	—	—	—	—	—	—	—	—	—
53.7	53.7	53.0	53.6	54.5	55.0	55.2	55.5	55.8	56.0	56.0	56.2	54.23
55.0	55.0	55.0	55.4	55.6	56.0	56.2	56.3	56.5	56.6	56.6	56.6	55.93
55.4	55.1	55.0	55.0	55.1	55.1	55.2	55.3	55.4	55.4	55.4	55.4	55.69
54.4	54.4	54.6	54.7	54.8	55.0	55.0	55.0	55.0	55.3	55.2	55.1	54.90
51.8	51.6	51.6	51.0	51.7	52.0	52.1	52.0	52.3	52.2	52.2	52.2	52.74
48.0	49.0	49.2	49.2	49.5	49.8	50.1	50.5	50.8	50.9	51.0	51.1	50.38
—	—	—	—	—	—	—	—	—	—	—	—	—
50.0	50.0	50.0	50.0	50.0	50.2	50.4	50.6	50.8	51.0	51.0	51.0	50.53
49.6	49.4	49.5	49.5	49.9	50.3	50.4	50.6	50.9	51.0	51.0	51.0	50.41
50.4	50.3	50.4	50.3	50.4	50.6	51.0	51.2	51.4	51.6	51.8	52.0	50.88
51.2	51.2	51.2	51.4	52.0	52.1	52.5	53.0	53.2	53.3	53.5	53.5	52.15
54.0	54.0	54.0	54.0	54.1	54.3	54.4	54.5	54.6	54.8	54.9	55.1	54.15
55.8	56.0	56.3	56.6	57.0	57.3	57.7	58.1	58.4	58.6	58.7	58.7	56.27
—	—	—	—	—	—	—	—	—	—	—	—	—
55.0	55.0	54.8	54.6	55.0	55.0	55.0	55.2	55.4	55.5	55.5	55.5	55.61
53.8	—	—	53.4	53.2	53.2	53.0	53.2	53.2	53.0	53.2	53.2	53.97
52.6	52.6	52.6	52.7	52.8	—	53.0	53.2	53.3	53.3	53.3	53.3	52.93
52.0	52.0	52.0	52.0	52.1	52.2	52.2	52.2	52.2	52.2	51.9	51.7	52.46
49.1	49.0	49.0	49.0	49.0	49.0	49.2	49.4	49.6	49.8	49.8	50.0	49.92
50.7	50.6	50.6	50.8	50.7	50.7	50.7	51.0	51.0	51.0	50.8	50.8	50.63
52.56	52.50	52.54	52.63	52.85	53.02	53.17	53.34	53.45	53.54	53.55	53.57	53.15

HORIZONTAL FORCE.													
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.													
Mean Göttingen Time. } f	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 31	106·3	106·0	108·3	—	—	—	—	—	—	—	—	—	
JUNE.	1	—	—	117·7	118·1	117·4	117·2	118·0	118·7	118·8	119·0	119·3	
	2	119·4	118·8	118·7	118·5	118·7	118·0	119·2	119·2	119·4	119·4	119·4	
	3	118·7	119·1	118·9	118·4	118·2	118·2	118·3	118·4	119·2	119·6	120·0	
	4	119·0	118·5	116·5	114·4	114·7	115·6	117·9	118·0	117·4	117·8	118·0	118·4
	5	115·9	115·5	115·4	116·4	116·0	116·3	116·3	116·7	117·5	117·7	118·7	118·5
	6	117·9	117·1	117·3	117·1	118·2	118·3	118·6	118·0	—	118·4	119·5	120·8
	7	117·1	116·9	116·8	—	—	—	—	—	—	—	—	—
	8	—	—	—	115·8	114·4	115·0	115·3	115·9	116·2	116·1	115·7	117·3
	9	115·0	114·6	114·4	116·5	117·9	119·4	115·4	115·1	115·0	117·1	116·7	116·8
	10	115·5	115·7	115·8	116·1	116·1	116·4	116·4	115·5	115·3	115·6	116·2	116·6
	11	116·4	116·4	117·2	117·0	—	—	—	—	—	—	118·4	118·8
	12	118·7	118·1	118·4	119·0	119·0	118·9	119·3	120·3	121·1	121·7	121·4	121·5
	13	121·1	121·0	120·5	120·4	—	120·7	120·3	120·4	121·0	121·4	121·6	122·3
	14	120·0	120·2	120·2	—	—	—	—	—	—	—	—	—
	15	—	—	—	120·8	120·9	120·4	120·5	120·8	121·0	121·7	121·7	122·3
	16	120·0	120·7	121·0	120·9	121·0	120·9	120·9	121·1	121·1	121·4	122·3	123·2
	17	120·1	120·5	120·4	120·7	120·6	120·5	120·8	121·1	121·5	121·7	121·1	122·2
	18	120·1	120·5	120·9	120·9	121·4	121·9	122·0	122·3	—	123·0	123·3	123·1
	19	121·4	121·4	121·1	120·7	121·0	121·1	121·2	121·2	121·4	121·4	121·6	122·2
	20	120·2	119·9	120·2	119·8	120·5	121·0	121·9	122·2	122·5	122·8	123·1	123·6
	21	121·7	121·7	122·1	—	—	—	—	—	—	—	—	—
	22	—	—	—	122·6	122·5	122·1	121·9	122·2	122·3	122·8	123·0	123·4
	23	121·2	121·3	121·0	121·4	120·8	120·4	121·0	121·0	120·9	120·6	121·0	121·8
	24	120·3	119·6	120·0	119·9	119·7	119·7	119·8	120·1	—	120·7	121·6	121·7
	25	121·6	121·1	121·3	121·9	121·9	121·9	122·1	122·2	122·4	122·5	122·9	122·6
	26	122·7	122·7	122·7	122·7	122·0	122·6	122·3	122·4	122·8	122·8	122·4	122·7
	27	120·1	120·0	120·2	120·1	—	120·4	120·5	120·7	121·0	121·7	121·7	122·2
	28	109·1	115·2	115·3	—	—	—	—	—	—	—	—	—
	29	—	—	—	115·7	115·8	116·3	114·4	114·2	115·0	116·5	115·9	116·3
	30	114·2	114·2	114·2	114·6	114·5	115·3	115·9	114·2	114·5	115·9	115·6	113·9
Hourly Means	118·22	118·33	118·42	118·84	118·99	119·15	119·17	119·24	119·38	119·94	120·05	120·42	
TEMPERATURE OF THE BIFILAR MAGNET.													
	°	°	°	°	°	°	°	°	°	°	°	°	
May 31	50·6	50·5	50·5	—	—	—	—	—	—	—	—	—	
JUNE.	1	—	—	49·0	48·8	48·6	48·5	48·4	48·0	47·8	47·6	47·4	
	2	48·3	48·3	48·3	48·3	48·2	48·0	48·0	47·9	47·8	47·8	47·8	
	3	49·0	49·0	49·0	49·0	49·2	49·2	49·2	49·2	49·0	49·0	49·0	
	4	51·5	51·4	51·3	51·2	51·0	50·8	50·8	50·6	50·3	50·2	50·2	50·2
	5	53·2	53·4	53·4	53·4	53·2	53·1	53·0	53·0	53·0	53·0	52·9	52·6
	6	50·8	50·6	50·6	50·5	50·6	50·6	50·6	50·6	—	50·6	50·8	50·8
	7	54·2	54·2	54·3	—	—	—	—	—	—	—	—	—
	8	—	—	—	56·5	56·5	56·4	56·2	56·1	56·3	56·3	56·2	56·0
	9	54·6	54·5	54·2	54·0	54·4	54·3	54·3	54·2	54·2	54·0	54·0	54·0
	10	55·6	55·6	55·5	55·5	55·4	55·4	55·2	55·2	55·0	54·9	54·8	54·7
	11	52·6	52·4	52·2	52·0	—	—	—	—	—	—	50·3	50·0
	12	49·5	49·4	49·2	49·0	48·8	48·5	48·2	48·0	48·0	47·8	47·6	47·3
	13	47·4	47·2	47·4	47·4	—	47·4	47·3	47·3	47·1	47·0	47·0	46·8
	14	48·4	48·5	48·5	—	—	—	—	—	—	—	—	—
	15	—	—	—	47·4	47·4	47·3	47·3	47·3	47·2	47·0	47·0	46·8
	16	47·4	47·5	47·6	47·6	47·6	47·6	47·6	47·6	47·6	47·5	47·5	47·5
	17	47·8	47·6	47·6	47·4	47·2	47·2	47·0	47·0	47·2	47·2	47·2	47·2
	18	47·1	47·0	47·0	46·9	46·6	46·6	46·5	46·3	—	46·0	46·0	46·0
	19	48·0	48·0	48·0	47·8	47·8	48·0	48·0	48·1	48·3	48·2	48·2	48·0
	20	48·0	47·8	47·6	47·5	47·3	47·0	46·8	46·5	46·4	46·2	46·0	45·6
	21	45·2	45·2	45·0	—	—	—	—	—	—	—	—	—
	22	—	—	—	45·4	45·4	45·4	45·5	45·6	45·4	45·4	45·4	45·4
	23	47·0	47·0	47·2	47·2	47·0	47·0	47·0	46·9	47·1	47·0	46·9	46·8
	24	48·0	48·0	48·0	48·0	48·0	47·9	47·7	47·7	—	47·0	47·0	46·8
	25	47·5	47·4	47·3	47·2	47·0	46·8	46·5	46·2	46·0	45·7	45·5	45·5
	26	44·8	45·0	45·2	45·6	45·5	45·8	46·5	46·8	47·2	47·4	47·6	47·7
	27	50·0	49·9	49·8	49·7	—	49·5	49·5	49·3	49·2	49·0	49·0	49·0
	28	50·2	50·3	50·4	—	—	—	—	—	—	—	—	—
	29	—	—	—	52·8	52·8	53·0	52·8	52·9	53·1	53·1	53·1	52·9
	30	55·2	55·2	55·0	55·0	54·8	54·6	54·5	54·3	54·0	53·8	53·6	53·6
Hourly Means	49·69	49·65	49·62	49·63	49·59	49·44	49·38	49·32	49·43	49·16	49·16	49·05	

HORIZONTAL FORCE.

One Scale Division = '000229 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.
119°0	118°8	118°0	119°2	116°8	118°4	118°4	119°2	120°1	119°3	118°9	118°3	117°05
119°4	119°1	118°7	116°8	116°1	116°5	118°2	119°7	120°1	119°8	119°1	118°7	118°75
119°9	119°3	118°4	117°7	116°7	115°3	114°9	115°8	117°5	118°0	119°2	118°9	118°20
117°3	116°0	115°9	115°3	115°2	115°8	116°2	117°1	118°0	116°9	114°0	115°9	116°65
118°4	118°0	117°1	116°7	114°7	116°0	116°8	118°2	117°9	117°8	118°7	118°1	117°05
121°4	121°7	119°5	117°9	117°6	117°5	117°6	117°8	118°7	118°2	117°8	117°5	118°45
115°4	112°1	110°2	109°9	115°3	116°0	111°6	111°2	110°4	111°2	112°3	114°0	114°25
116°2	115°2	115°1	114°5	113°5	114°1	116°0	116°7	116°8	116°8	115°9	115°8	115°85
116°6	116°0	115°3	114°3	114°4	114°9	115°2	115°8	114°6	114°9	112°0	116°3	115°48
119°9	118°1	117°2	115°6	115°4	116°2	116°7	118°5	119°3	119°4	119°0	116°7	117°56
122°4	121°7	119°2	119°4	118°7	118°7	119°9	120°5	120°9	121°3	121°7	121°3	120°13
122°5	121°6	120°0	119°5	119°1	119°3	120°7	121°5	121°7	121°4	120°8	120°2	120°83
121°9	121°5	119°1	119°7	119°0	119°0	120°0	120°9	121°5	121°7	121°1	120°0	120°66
122°6	120°8	121°0	120°1	118°8	118°8	119°6	120°7	120°7	120°7	120°4	119°8	120°77
122°7	123°2	122°2	121°1	119°7	119°1	120°5	121°7	121°8	121°3	121°1	121°0	121°10
123°5	122°9	121°8	121°2	121°1	121°6	121°2	122°2	122°7	122°5	121°8	121°6	121°89
122°5	122°3	121°3	119°9	118°6	117°3	119°0	120°7	120°8	120°4	119°8	120°2	120°77
125°1	124°5	124°3	122°2	122°0	120°7	122°1	122°5	122°6	122°6	121°3	120°5	122°00
123°5	122°3	121°3	119°2	118°9	119°6	121°6	122°4	122°4	122°2	121°7	121°7	121°88
121°5	122°0	119°8	119°6	119°2	119°0	120°5	121°5	121°0	120°4	120°0	120°6	120°73
122°0	121°8	121°0	119°1	119°4	120°5	121°2	121°7	121°8	121°9	121°7	121°9	120°74
122°5	122°6	121°4	120°9	120°7	121°7	122°4	123°1	123°3	123°1	123°2	123°8	122°21
123°4	123°9	121°7	121°0	120°0	120°1	120°1	120°9	120°8	120°8	120°5	120°2	121°84
122°2	121°7	119°8	119°6	120°4	120°2	122°7	122°3	119°5	120°1	119°4	111°4	120°34
116°5	115°7	114°0	113°8	114°9	115°2	115°5	115°1	113°9	109°8	113°0	114°3	114°64
114°3	113°5	113°0	112°3	109°6	112°4	113°6	114°5	115°3	115°9	115°6	115°0	114°25
120°48	119°86	118°70	117°94	117°53	117°84	118°54	119°32	119°39	119°17	118°84	118°60	119°01

TEMPERATURE OF THE BIFILAR MAGNET.

47°2	47°2	47°1	47°2	47°2	47°4	47°5	47°8	48°0	48°1	48°2	48°3	48°20
47°8	47°8	47°6	47°8	47°8	47°8	48°0	48°2	48°3	48°6	48°8	49°0	48°08
49°0	49°0	49°0	49°2	49°9	50°3	50°7	51°1	51°3	51°4	51°5	51°5	49°70
50°4	50°5	50°8	51°2	51°2	51°6	52°0	52°2	52°4	52°8	53°0	53°0	51°27
52°2	52°0	52°0	52°0	51°8	51°7	51°6	51°6	51°4	51°2	50°9	50°9	52°35
50°8	51°0	51°2	51°5	52°0	52°5	52°8	53°2	53°6	53°6	53°7	54°0	51°61
55°8	55°8	55°8	55°8	55°6	55°5	55°4	55°2	55°0	55°0	54°8	54°8	55°57
54°0	54°0	54°2	54°4	54°8	55°0	55°0	55°2	55°2	55°5	55°6	55°6	54°55
54°6	54°3	54°4	54°3	54°3	54°2	54°0	53°8	53°6	53°4	53°0	53°0	54°57
49°8	49°5	49°5	49°5	49°5	49°7	49°8	49°8	49°8	49°8	49°8	49°8	50°32
47°0	47°0	46°8	47°0	47°0	47°0	47°0	47°0	47°0	47°2	47°2	47°4	47°75
47°0	46°8	47°0	47°0	47°3	47°4	47°6	47°8	48°1	48°2	48°3	48°4	47°40
46°8	46°6	46°5	46°5	46°6	46°6	46°7	46°8	46°9	47°0	47°1	47°2	47°14
47°7	47°7	47°8	48°0	48°0	48°2	48°2	48°2	48°0	48°0	48°0	47°8	47°76
47°0	47°0	47°0	47°0	47°0	47°0	47°0	47°0	47°0	47°2	47°2	47°1	47°17
46°0	46°0	46°2	46°2	46°6	46°6	46°8	47°0	47°0	47°2	47°4	47°7	46°64
47°8	47°7	47°6	47°6	47°6	47°6	47°8	47°8	47°8	47°8	48°0	48°0	47°90
45°4	45°2	45°0	45°0	45°0	45°0	45°0	45°0	45°0	45°2	45°2	45°2	45°99
45°3	45°3	45°5	45°7	46°0	46°2	46°4	46°6	46°8	47°0	47°0	47°0	45°80
46°5	46°5	46°7	46°8	47°1	47°1	47°3	47°7	47°8	48°0	48°0	48°0	47°15
46°5	46°5	46°5	46°5	46°8	46°9	47°1	47°2	47°4	47°5	47°6	47°6	47°31
45°2	45°0	44°8	44°7	44°8	44°6	44°8	44°8	44°8	44°8	44°8	44°8	45°69
47°8	48°0	48°0	48°2	48°5	48°8	49°0	49°2	49°5	49°8	49°8	50°0	47°57
48°8	48°8	48°8	49°0	49°2	49°4	49°6	49°7	49°7	49°7	49°8	49°8	49°40
52°8	53°0	53°2	53°8	54°4	54°5	54°7	55°0	55°0	55°0	55°1	55°1	53°30
53°6	53°5	53°5	53°8	53°8	53°9	54°0	54°1	54°2	54°2	54°3	54°3	54°20
48°95	48°91	48°94	49°07	49°22	49°33	49°45	49°58	49°64	49°74	49°77	49°82	49°40

HORIZONTAL FORCE.												
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah° = '000234.												
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
JULY.	1	Sc. Div. 114'4	Sc. Div. 114'0	Sc. Div. 114'5	Sc. Div. 114'7	Sc. Div. 114'3	Sc. Div. 114'2	Sc. Div. 115'0	Sc. Div. 114'9	Sc. Div. 115'2	Sc. Div. 115'8	Sc. Div. 116'2
	2	114'8	115'4	115'5	116'0	115'6	115'5	114'7	116'2	116'1	116'9	117'3
	3	116'8	116'6	116'4	116'1	116'7	116'6	116'7	117'2	117'5	118'0	118'6
	4	115'2	116'0	116'6	116'9	—	—	117'5	117'3	117'9	118'4	119'0
	5	119'5	118'5	118'2	—	—	—	—	—	—	—	—
	6	—	—	—	117'4	119'0	118'6	119'0	119'3	120'4	121'2	121'7
	7	119'6	119'4	119'3	118'8	118'9	119'4	119'3	118'9	119'2	119'6	120'1
	8	118'8	118'8	117'4	118'8	117'3	118'1	118'5	118'5	118'6	120'3	119'0
	9	116'4	116'1	116'4	117'0	116'5	117'0	117'2	117'5	117'7	117'5	117'9
	10	116'9	117'6	119'0	118'6	118'5	118'2	118'5	118'9	118'8	119'3	119'9
	11	120'4	120'4	119'8	120'0	121'0	121'0	121'6	121'5	121'9	122'2	122'4
	12	121'4	120'2	121'4	—	—	—	—	—	—	—	—
	13	—	—	—	120'3	121'0	122'0	122'5	121'6	120'9	120'4	121'2
	14	118'6	118'7	118'7	118'7	118'5	118'2	118'5	118'8	119'6	120'2	120'9
	15	117'0	117'1	117'6	117'3	—	117'9	118'1	118'3	119'2	119'9	120'7
	16	118'2	118'3	118'5	118'5	118'8	119'2	119'7	119'8	120'3	121'1	121'8
	17	120'6	120'7	120'9	120'5	121'0	121'5	122'1	122'4	122'4	122'5	123'0
	18	120'0	120'8	121'0	121'0	119'8	120'5	120'5	120'7	—	122'3	122'9
	19	120'0	119'5	119'1	—	—	—	—	—	—	—	—
	20	—	—	—	116'4	116'7	117'5	118'5	119'6	119'0	119'5	119'9
	21	119'6	119'3	117'1	118'3	—	119'2	119'9	120'3	120'6	121'2	121'0
	22	120'0	119'8	120'0	119'9	119'9	119'8	120'3	120'9	121'2	121'8	122'0
	23	119'5	120'7	120'1	120'0	—	120'0	120'1	120'6	121'0	121'9	122'3
	24	119'1	118'2	117'2	117'6	118'0	116'0	115'9	115'7	116'0	115'7	118'7
	25	102'3	111'7	110'9	111'4	112'9	114'0	114'3	117'0	—	117'3	116'5
	26	117'3	116'8	116'6	—	—	—	—	—	—	—	—
	27	—	—	—	117'8	120'3	117'3	116'1	116'5	117'7	119'2	119'6
	28	117'3	117'0	116'9	117'2	117'2	117'0	116'9	117'4	117'0	118'8	119'1
	29	116'5	116'1	116'3	117'5	117'6	117'6	117'8	117'8	117'9	118'2	118'8
	30	118'0	118'2	118'1	118'5	118'2	118'8	118'8	121'9	—	120'4	121'4
	31	119'3	119'1	118'8	118'3	118'3	118'1	118'0	118'5	119'2	119'8	120'6
Hourly Means	117'68	117'96	117'86	117'91	118'08	118'18	118'33	118'81	118'97	119'61	120'09	

TEMPERATURE OF THE BIFILAR MAGNET.												
JULY.	1	54'3	54'3	54'2	54'2	54'0	54'0	54'0	54'0	54'0	53'8	53'8
	2	53'4	53'2	53'0	52'8	52'7	52'5	52'3	52'0	52'2	51'9	51'7
	3	51'7	51'4	51'2	51'0	50'8	50'8	50'6	50'6	50'6	50'5	50'4
	4	51'8	51'7	51'5	51'4	—	—	51'4	51'4	51'3	51'2	51'0
	5	50'7	50'4	50'2	—	—	—	—	—	—	—	—
	6	—	—	—	47'7	47'6	47'4	47'3	47'2	46'8	46'6	46'4
	7	47'8	47'8	47'8	47'7	47'6	47'5	47'4	47'4	47'5	47'5	47'5
	8	49'6	49'6	49'8	49'8	49'8	49'8	49'8	50'0	50'2	50'3	50'3
	9	52'5	52'3	52'0	52'0	51'7	51'5	51'3	51'0	50'6	50'4	50'0
	10	50'5	50'2	50'0	49'7	49'3	49'0	48'8	48'5	48'0	47'8	47'5
	11	46'8	46'8	46'5	46'2	46'0	45'8	45'5	45'2	45'4	45'1	44'8
	12	46'0	46'0	46'3	—	—	—	—	—	—	—	—
	13	—	—	—	46'6	46'8	47'0	47'0	47'0	47'0	47'2	47'3
	14	52'0	52'2	52'2	52'0	51'9	51'8	51'8	51'7	51'7	51'6	51'4
	15	50'8	50'8	50'7	50'6	—	50'6	50'6	50'4	50'2	50'0	49'8
	16	51'7	51'7	51'5	51'3	51'0	50'8	50'5	50'2	50'0	49'8	49'5
	17	48'8	48'6	48'5	48'4	48'1	48'0	48'0	47'8	47'8	47'6	47'6
	18	48'8	48'8	48'8	48'8	49'2	49'1	49'0	48'8	—	48'4	48'2
	19	49'7	49'5	49'3	—	—	—	—	—	—	—	—
	20	—	—	—	48'8	48'8	49'0	49'0	49'0	49'2	49'2	49'2
	21	49'0	49'0	48'8	48'7	—	48'6	48'4	48'4	48'2	48'0	48'0
	22	48'2	48'2	48'2	48'2	48'3	48'3	48'2	48'0	47'8	47'5	47'5
	23	47'9	47'8	47'6	47'4	—	46'7	46'6	46'4	46'2	46'0	46'0
	24	49'4	49'6	49'8	50'0	50'2	50'2	50'2	50'4	50'5	50'7	50'7
	25	52'3	52'4	52'4	52'2	51'6	51'4	51'0	50'6	—	49'7	49'4
	26	49'4	49'2	49'0	—	—	—	—	—	—	—	—
	27	—	—	—	48'8	48'8	48'7	48'9	49'0	49'0	48'8	48'6
	28	50'9	50'9	50'7	50'6	50'2	50'2	50'0	50'0	49'8	49'7	49'5
	29	51'0	51'0	51'0	51'0	50'8	50'8	50'6	50'5	50'6	50'6	50'5
	30	51'3	51'1	51'0	50'8	51'0	50'8	50'6	50'4	—	50'0	49'6
	31	51'2	51'2	51'3	51'2	51'0	51'0	50'8	50'8	50'6	50'5	50'3
Hourly Means	50'28	50'21	50'12	49'92	49'88	49'67	49'61	49'51	49'38	49'27	49'13	

HORIZONTAL FORCE.

One Scale Division = '000229 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. 117'3	Sc. Div. 116'7	Sc. Div. 115'8	Sc. Div. 114'3	Sc. Div. 112'8	Sc. Div. 113'2	Sc. Div. 114'0	Sc. Div. 115'1	Sc. Div. 114'8	Sc. Div. 114'9	Sc. Div. 114'1	Sc. Div. 113'4	Sc. Div. 114'86
118'8	118'0	116'2	115'3	115'0	114'9	114'9	114'3	116'0	116'6	116'0	116'2	116'03
119'0	118'2	117'8	117'0	116'4	116'7	117'5	118'5	118'7	118'7	117'6	116'2	117'45
119'4	118'9	117'5	116'4	115'0	114'8	117'0	118'3	119'1	119'8	119'5	119'9	117'72
—	—	—	—	—	—	—	—	—	—	—	—	119'62
122'3	122'7	119'8	116'1	115'4	118'6	120'7	121'8	121'5	119'6	118'0	118'7	119'22
120'6	115'9	119'0	118'3	118'6	118'8	119'9	119'4	119'5	119'7	119'6	118'8	117'23
119'4	118'5	117'5	117'4	116'5	113'1	111'7	115'0	114'4	114'2	115'7	116'4	117'36
118'8	119'2	117'6	115'5	115'2	116'7	117'3	118'1	118'5	118'1	118'8	117'3	119'61
122'6	122'2	121'4	120'1	118'9	—	118'8	119'8	119'8	120'5	120'5	120'7	121'82
124'1	124'1	123'3	122'4	122'2	122'4	120'8	122'5	121'7	121'3	121'5	121'3	120'60
—	—	—	—	—	—	—	—	—	—	—	—	118'81
122'1	121'8	121'1	119'8	119'2	118'9	119'7	120'5	119'6	119'3	118'9	118'5	118'67
120'8	119'4	118'0	116'3	—	117'9	119'3	119'7	118'9	118'3	116'7	116'7	119'49
121'7	120'7	120'2	116'7	116'2	117'0	118'3	119'6	119'2	118'3	118'4	118'2	120'81
120'6	119'6	118'5	117'3	118'0	118'7	119'2	119'1	119'6	120'1	120'9	120'8	119'96
122'2	121'5	119'0	116'9	117'3	118'0	118'7	120'5	122'1	121'2	—	120'6	118'80
121'5	118'9	117'8	116'8	117'2	118'6	119'6	120'0	120'3	116'7	119'0	120'0	119'30
—	—	—	—	—	—	—	—	—	—	—	—	120'47
120'2	119'5	117'5	117'0	116'2	118'0	120'5	118'6	119'2	119'8	119'1	119'5	120'19
120'7	119'6	117'8	116'3	116'8	118'3	119'2	119'3	119'5	119'7	119'4	119'8	112'74
121'8	120'6	118'1	117'5	118'1	119'2	120'0	120'9	122'8	123'0	121'4	120'0	114'41
123'1	121'6	120'4	119'5	117'6	119'1	115'6	118'2	120'0	120'0	120'2	120'0	117'23
117'0	116'4	113'5	110'2	109'3	108'4	105'1	107'2	104'2	102'8	102'9	104'4	117'69
116'7	116'8	116'0	114'7	114'0	114'1	115'3	116'2	115'3	114'9	115'5	116'8	117'63
—	—	—	—	—	—	—	—	—	—	—	—	118'97
119'1	118'6	117'7	115'5	114'5	114'9	114'5	116'5	117'3	116'3	117'3	116'5	118'80
120'4	119'3	117'5	116'6	115'8	116'5	117'9	117'9	117'8	117'9	117'8	117'2	117'35
118'6	117'9	117'3	116'7	116'0	116'0	117'2	117'6	118'6	118'7	119'0	118'2	117'85
122'4	121'7	119'1	117'3	116'4	116'7	119'6	119'0	118'0	116'2	117'5	118'7	118'97
119'2	118'2	117'3	115'9	116'2	117'7	119'2	119'2	119'4	119'7	120'1	121'2	118'80
120'38	119'49	118'25	116'81	116'34	116'81	117'46	118'25	118'37	118'01	117'90	118'00	118'35

TEMPERATURE OF THE BIFLAR MAGNET.

53'8	53'9	53'8	53'9	54'0	54'2	54'2	54'0	54'0	54'0	53'8	53'8	53'99
51'2	51'2	51'2	51'5	51'8	51'7	51'7	51'8	51'8	51'9	51'9	51'9	52'03
50'2	50'2	50'2	50'7	51'0	51'2	51'4	51'6	51'6	51'8	51'8	51'8	50'93
51'0	51'0	51'0	51'1	51'1	51'3	51'4	51'4	51'3	51'2	51'1	50'9	51'25
—	—	—	—	—	—	—	—	—	—	—	—	47'51
46'4	46'3	46'3	46'8	47'1	47'2	47'4	47'5	47'7	47'7	47'7	47'7	48'02
47'4	47'0	47'1	47'5	48'2	48'4	49'0	49'2	49'4	49'4	49'5	49'5	51'01
50'4	50'7	51'0	51'7	52'2	52'3	52'5	52'7	53'0	53'0	52'8	52'6	50'87
49'8	49'8	50'0	50'2	50'3	50'6	50'7	50'8	51'0	51'0	50'8	50'6	47'96
47'2	47'0	46'8	46'8	46'8	—	47'0	47'0	47'0	47'0	47'0	47'0	45'37
44'2	44'2	44'2	44'2	44'5	44'8	45'0	45'5	45'8	46'0	46'0	46'0	48'60
—	—	—	—	—	—	—	—	—	—	—	—	51'35
48'0	48'2	48'7	49'2	50'0	50'5	51'0	51'2	51'6	51'8	52'0	52'0	50'55
51'2	50'8	50'8	51'0	—	50'8	50'8	50'8	50'8	50'8	50'8	50'8	49'85
49'5	49'5	49'7	49'8	50'3	50'7	51'0	51'4	51'6	51'7	51'8	51'8	47'99
49'5	49'2	49'0	49'0	49'0	49'0	49'0	49'0	49'0	49'0	49'0	49'0	49'03
47'2	47'2	47'2	47'5	47'8	48'0	48'2	48'4	48'4	48'6	—	48'8	49'25
48'2	48'2	48'7	49'0	49'2	49'4	49'6	49'8	49'9	50'0	50'0	49'8	48'31
—	—	—	—	—	—	—	—	—	—	—	—	47'90
49'0	49'0	49'0	49'3	49'5	49'4	49'6	49'6	49'6	49'5	49'4	49'2	47'29
48'0	48'0	47'8	48'0	48'0	48'2	48'2	48'2	48'4	48'4	48'5	48'4	50'78
47'5	47'3	47'4	47'5	47'7	47'8	47'9	48'1	48'1	48'2	48'1	48'0	50'24
46'2	46'3	46'3	46'6	47'0	47'8	48'0	48'5	48'9	49'2	49'1	49'1	49'38
50'5	50'5	50'5	50'7	51'0	51'0	51'4	51'8	52'0	52'3	52'3	52'3	50'08
49'1	49'0	49'0	49'0	49'5	49'5	49'6	49'7	49'7	49'8	49'7	49'5	50'78
—	—	—	—	—	—	—	—	—	—	—	—	50'51
48'5	48'8	48'8	49'2	49'6	50'0	50'2	50'5	50'6	50'8	50'7	50'7	50'63
49'6	49'4	49'3	49'3	49'4	49'6	50'0	50'2	50'4	50'8	50'8	50'8	49'68
50'2	50'2	50'2	50'4	50'6	50'7	51'0	51'2	51'2	51'4	51'5	51'2	—
49'3	49'4	49'8	50'0	50'6	50'6	50'7	50'9	51'0	51'1	51'1	51'2	—
50'3	50'3	50'3	50'5	50'4	50'5	50'5	50'6	50'6	50'5	50'4	50'2	—
49'02	48'98	49'04	49'27	49'48	49'81	49'89	50'05	50'16	50'26	50'30	50'17	49'68

HORIZONTAL FORCE.													
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.													
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
AUGUST.	1	120·6	116·4	115·5	117·2	113·6	122·2	113·2	115·2	116·0	117·2	117·9	116·8
	2	116·6	115·4	115·6	—	—	—	—	—	—	—	—	—
	3	—	—	—	117·0	117·7	116·8	116·0	117·6	117·8	118·5	119·3	118·5
	4	109·9	111·0	113·1	114·9	114·4	115·6	117·6	117·4	117·8	118·3	119·7	119·8
	5	114·2	117·1	121·0	116·6	116·7	117·9	117·5	117·8	118·0	118·9	119·5	120·3
	6	118·0	117·2	117·6	116·0	116·8	117·6	117·5	117·8	—	119·7	121·0	121·4
	7	116·8	116·0	116·2	116·7	115·7	116·1	116·8	117·1	118·1	119·0	119·4	120·2
	8	116·0	119·0	117·5	117·6	118·1	118·3	118·5	118·7	—	119·3	120·4	120·4
	9	119·0	119·3	120·5	—	—	—	—	—	—	—	—	—
	10	—	—	—	120·0	119·4	119·8	119·9	120·6	—	121·0	121·1	121·5
	11	118·2	118·0	118·3	118·3	118·0	118·3	118·2	118·4	118·6	118·7	119·1	119·7
	12	117·6	117·5	117·6	117·6	118·0	118·6	118·9	119·2	119·9	—	120·3	120·3
	13	119·0	119·2	119·5	120·0	120·3	120·0	120·6	121·4	121·9	122·9	123·6	123·8
	14	120·4	120·0	119·8	120·7	121·0	120·6	120·5	120·4	120·8	122·0	123·4	124·5
	15	113·5	116·3	115·9	120·0	—	120·8	121·3	119·5	119·6	119·2	119·2	119·3
	16	118·6	118·9	117·3	—	—	—	—	—	—	—	—	—
	17	—	—	—	115·8	115·9	117·2	119·0	119·6	119·3	119·1	122·5	122·2
	18	121·1	115·5	115·0	114·2	114·5	115·6	116·7	116·8	116·8	119·0	119·7	120·9
	19	121·0	120·4	119·1	119·5	120·0	120·8	120·6	121·1	122·4	123·2	123·3	123·0
	20	118·0	118·3	118·8	119·0	119·0	119·7	120·6	120·2	120·5	121·0	121·2	122·1
	21	119·4	119·3	119·2	119·1	—	119·2	119·5	119·7	120·4	121·5	122·3	122·7
	22	121·0	120·9	121·6	120·5	120·6	120·7	120·1	120·9	121·4	122·2	124·1	126·2
	23	118·0	116·0	115·6	—	—	—	—	—	—	—	—	—
	24	—	—	—	115·8	115·9	116·8	117·0	117·7	118·0	119·2	119·3	119·6
	25	117·3	117·0	117·1	117·6	—	118·6	118·8	118·5	118·5	118·8	119·5	121·5
	26	121·2	120·1	120·2	119·5	123·0	118·7	115·1	115·5	116·0	117·1	117·8	118·6
	27	117·2	117·3	117·6	117·7	—	118·2	119·0	119·2	119·7	120·0	120·7	121·1
	28	117·5	117·7	117·4	117·5	117·8	118·5	118·8	118·5	119·5	120·3	119·1	119·1
	29	114·5	108·7	111·9	114·0	114·6	115·1	114·3	120·1	—	117·0	113·0	112·4
	30	109·6	117·8	112·0	—	—	—	—	—	—	—	—	—
	31	—	—	—	117·1	116·5	115·1	114·9	116·0	117·0	118·3	115·3	115·8
Hourly Means	117·47	117·32	117·34	117·69	117·61	118·34	118·11	118·65	119·00	119·65	120·06	120·45	
TEMPERATURE OF THE BIFILAR MAGNET.													
AUGUST.	1	50·0	50·0	49·8	49·6	49·5	49·8	49·8	49·8	50·1	49·7	49·6	49·5
	2	50·5	50·3	50·2	—	—	—	—	—	—	—	—	—
	3	—	—	—	48·6	48·6	48·4	48·4	48·4	48·6	48·5	48·5	48·7
	4	50·1	50·0	49·8	49·5	49·2	49·0	48·8	48·5	48·6	48·4	48·3	48·2
	5	50·2	50·2	50·1	50·0	50·2	50·0	49·7	49·6	49·4	49·0	49·0	48·8
	6	50·8	50·6	50·5	50·3	50·0	49·8	49·8	49·5	—	49·2	49·0	48·9
	7	51·0	51·2	51·0	51·0	51·0	50·8	50·6	50·5	50·5	50·3	50·0	49·7
	8	49·0	49·0	48·8	48·8	48·7	48·6	48·5	48·3	—	47·8	47·6	47·4
	9	47·1	46·9	46·7	—	—	—	—	—	—	—	—	—
	10	—	—	—	46·9	46·8	46·8	46·8	46·8	—	46·9	46·8	46·8
	11	50·3	50·3	50·3	50·3	50·6	50·5	50·4	50·4	50·2	50·2	50·0	50·0
	12	52·5	52·4	52·2	51·9	51·8	51·4	51·0	50·8	50·5	—	50·3	50·2
	13	49·0	48·8	48·6	48·4	48·0	48·0	47·8	47·6	47·6	47·4	47·2	47·0
	14	49·5	49·5	49·5	49·6	49·6	49·6	49·5	49·5	49·2	49·0	49·0	49·0
	15	50·8	50·7	50·5	50·3	—	49·6	49·2	49·0	48·8	48·8	48·5	48·5
	16	48·0	48·0	47·8	—	—	—	—	—	—	—	—	—
	17	—	—	—	49·2	49·2	49·0	49·0	48·8	48·8	48·6	48·4	48·2
	18	51·2	51·2	51·0	50·8	50·6	50·2	49·8	49·4	49·2	49·0	48·9	48·7
	19	48·0	48·0	47·8	47·8	47·5	47·3	47·2	47·2	46·8	46·8	47·2	47·2
	20	50·0	50·0	50·0	49·8	49·7	49·5	49·4	49·4	49·0	48·8	48·8	48·8
	21	50·8	50·9	50·7	50·7	—	50·4	50·0	49·8	49·7	49·5	49·2	49·2
	22	48·8	48·4	48·2	48·0	47·6	47·2	47·0	46·8	46·8	46·5	46·3	46·1
	23	49·2	49·7	49·8	—	—	—	—	—	—	—	—	—
	24	—	—	—	52·0	51·8	51·4	51·0	50·6	50·3	50·0	49·8	49·7
	25	50·6	50·5	50·4	50·2	—	50·0	50·0	49·8	50·0	49·8	49·7	49·6
	26	52·3	52·2	52·0	52·0	52·0	52·0	52·0	51·8	51·4	51·0	50·8	50·8
	27	51·7	51·6	51·4	51·2	—	50·8	50·5	50·4	50·2	50·2	50·2	50·2
	28	53·2	53·0	53·0	52·8	52·7	52·5	52·3	52·3	52·4	52·3	52·2	52·0
	29	54·7	54·5	54·3	54·3	54·4	54·3	53·9	53·7	—	53·0	52·8	53·0
	30	54·7	54·2	54·0	—	—	—	—	—	—	—	—	—
	31	—	—	—	51·3	51·1	51·0	50·8	50·6	50·6	50·6	50·5	50·5
Hourly Means	50·54	50·47	50·32	50·20	50·03	49·92	49·74	49·59	49·49	49·25	49·18	49·10	

HORIZONTAL FORCE.												
One Scale Division = '000229 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. 117.5	Sc. Div. 117.1	Sc. Div. 115.8	Sc. Div. 113.1	Sc. Div. 111.7	Sc. Div. 112.1	Sc. Div. 112.0	Sc. Div. 114.9	Sc. Div. 114.4	Sc. Div. 115.2	Sc. Div. 115.1	Sc. Div. 116.3	Sc. Div. 115.70
—	—	—	—	—	—	—	—	—	—	—	—	—
119.0	118.1	115.5	114.4	116.6	116.5	117.5	118.6	112.6	112.7	114.8	110.0	116.38
119.8	119.2	117.7	116.8	113.5	114.1	113.6	116.8	117.4	117.8	117.6	118.0	116.32
120.1	118.1	116.9	115.9	114.8	115.7	115.0	114.6	117.7	117.1	116.8	116.8	117.29
121.4	120.8	119.6	118.6	117.6	117.6	117.3	116.2	113.7	115.0	117.4	116.9	117.90
120.0	116.5	115.1	111.0	114.2	114.4	116.2	116.1	115.7	113.3	115.4	116.2	116.34
121.2	119.3	116.0	115.6	113.1	117.2	117.7	118.7	118.1	118.4	120.7	119.1	118.21
—	—	—	—	—	—	—	—	—	—	—	—	—
120.6	118.9	117.0	116.7	117.0	117.6	118.7	118.5	118.2	117.9	118.5	119.1	119.16
119.1	118.3	116.0	115.0	115.1	116.2	116.6	117.2	118.1	118.2	117.9	117.8	117.80
119.5	118.5	116.6	115.5	114.8	115.8	118.0	118.9	119.8	121.7	119.8	119.1	118.41
122.8	120.9	118.5	117.1	116.6	118.7	119.5	120.7	121.0	121.1	120.8	120.6	120.44
124.0	123.3	121.3	119.1	117.6	116.6	117.4	118.8	118.1	117.2	116.2	113.5	119.88
118.7	118.9	118.0	118.4	118.7	118.8	118.6	119.3	119.7	119.8	119.4	119.3	118.79
—	—	—	—	—	—	—	—	—	—	—	—	—
119.9	119.0	118.2	116.4	112.0	113.6	114.1	115.5	114.9	115.2	116.1	116.6	117.37
119.3	118.2	117.0	114.1	114.5	116.8	118.9	119.2	120.0	120.5	120.7	119.4	117.68
123.6	123.2	122.0	118.8	117.1	117.0	116.4	115.3	118.6	118.9	118.9	117.9	120.09
121.3	120.2	119.4	118.8	118.4	119.1	119.1	120.0	120.2	120.0	119.8	119.6	119.76
122.8	121.5	121.0	118.8	117.6	118.5	119.1	119.9	121.1	121.3	121.3	121.3	120.28
126.2	124.0	121.3	120.1	118.9	117.0	116.6	117.1	117.1	116.0	117.8	118.8	120.46
—	—	—	—	—	—	—	—	—	—	—	—	—
118.9	118.8	117.9	116.1	113.9	116.0	116.9	117.9	118.2	118.2	117.8	117.7	117.38
122.3	120.2	118.2	118.0	118.2	118.3	120.0	120.2	120.6	121.3	122.3	122.0	119.34
118.0	117.7	116.3	114.3	114.6	115.8	115.8	116.5	115.5	116.9	116.8	117.4	117.43
120.1	118.9	117.1	114.5	114.2	115.0	116.7	118.4	118.9	118.2	118.0	117.3	118.04
118.1	116.7	116.1	115.3	114.2	114.1	115.4	116.8	116.4	117.0	111.2	112.8	116.91
108.3	104.5	107.9	107.7	109.6	108.7	113.4	112.9	110.5	106.1	110.3	110.2	111.55
—	—	—	—	—	—	—	—	—	—	—	—	—
116.6	116.3	113.8	113.3	110.0	112.4	114.5	116.3	116.8	117.4	116.7	111.3	115.03
119.96	118.73	117.31	115.90	115.18	115.91	116.73	117.51	117.43	117.40	117.62	117.11	117.85

TEMPERATURE OF THE BIFILAR MAGNET.												
49.3	49.3	49.6	49.8	50.0	50.1	50.3	50.5	50.7	50.7	50.7	50.7	49.95
—	—	—	—	—	—	—	—	—	—	—	—	—
48.7	48.8	48.8	49.1	49.2	49.4	49.6	49.8	50.0	49.8	49.8	50.0	49.20
48.2	48.2	48.5	48.8	49.2	49.5	49.6	49.8	50.0	50.1	50.3	50.2	49.20
48.8	48.8	49.0	49.4	50.0	50.3	50.5	50.7	50.9	51.0	51.0	50.9	49.90
48.9	48.7	48.7	49.2	49.2	49.6	50.0	50.2	50.5	50.8	51.0	51.0	49.84
49.7	49.5	49.7	49.8	50.0	50.0	50.0	50.0	49.8	49.7	49.3	49.2	50.18
47.5	47.3	47.3	47.5	47.5	47.5	47.5	47.4	47.4	47.3	47.3	47.3	47.79
—	—	—	—	—	—	—	—	—	—	—	—	—
46.8	46.8	47.2	48.0	48.3	48.8	49.0	49.3	49.5	49.8	49.9	50.0	47.77
50.2	50.3	50.7	51.3	51.6	51.9	52.0	52.3	52.4	52.5	52.6	52.6	50.99
50.4	50.1	50.0	50.0	50.0	50.0	50.0	50.0	49.8	49.6	49.4	49.2	50.58
46.8	46.9	47.0	47.7	48.0	48.5	48.7	49.0	49.0	49.1	49.6	49.6	48.14
49.2	49.2	49.7	50.2	50.5	50.7	50.9	51.0	51.1	51.1	51.0	51.0	49.92
48.0	48.0	47.8	47.9	48.0	48.3	48.0	48.2	48.5	48.6	48.4	48.2	48.81
—	—	—	—	—	—	—	—	—	—	—	—	—
48.5	48.7	49.0	49.3	49.5	49.8	50.2	50.5	50.7	50.8	51.0	51.2	49.26
48.5	48.3	48.2	48.2	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	49.05
47.2	47.2	47.8	48.2	49.0	49.3	50.0	50.3	50.6	50.5	50.5	50.3	48.32
48.5	48.5	48.3	48.6	48.9	49.0	49.4	49.8	50.0	50.3	50.5	50.7	49.40
49.2	49.0	48.9	48.8	49.0	49.0	49.0	49.0	49.2	49.2	49.0	49.0	49.53
45.6	45.6	45.8	46.5	46.8	47.2	47.8	48.2	48.6	48.8	49.0	49.1	47.36
—	—	—	—	—	—	—	—	—	—	—	—	—
49.5	49.5	49.6	49.7	50.0	50.5	50.2	50.2	50.4	50.6	50.6	50.6	50.27
49.5	49.3	49.5	50.0	50.5	51.0	51.5	51.5	52.0	52.2	52.2	52.2	50.52
50.7	50.5	50.5	50.7	50.9	51.2	51.4	51.6	51.7	51.9	51.9	51.8	51.46
50.4	50.7	51.1	51.6	52.0	52.4	52.8	53.0	53.2	53.2	53.4	53.2	51.54
52.0	52.2	52.6	53.0	53.3	53.7	54.0	54.2	54.5	54.6	54.6	54.6	53.08
53.0	53.5	53.7	54.0	54.5	54.2	54.6	54.8	55.0	55.0	55.1	55.0	54.14
—	—	—	—	—	—	—	—	—	—	—	—	—
50.4	50.5	50.6	50.8	51.4	51.6	52.0	52.2	52.5	52.6	52.6	52.6	51.65
49.05	49.05	49.21	49.54	49.82	50.04	50.27	50.44	50.62	50.68	50.72	50.70	49.92

HORIZONTAL FORCE.												
One Scale Division = '000229 parts of the H. F. Change in the magnetic moment of the Bar for 1° Fah°. = '000234.												
Mean Göttingen Time. } SEPTEMBER.	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	116°0	113°9	114°9	115°5	116°8	116°9	114°7	116°0	116°2	116°3	116°6	113°9
2	115°7	109°8	107°8	114°2	112°9	112°7	112°5	114°3	114°5	114°2	113°2	114°2
3	115°3	111°5	109°9	107°2	108°6	109°7	110°5	111°3	112°2	112°4	112°6	113°6
4	109°3	111°9	113°5	114°1	114°1	114°4	115°4	115°4	116°7	116°5	117°4	117°3
5	115°4	115°3	115°4	115°5	116°3	116°4	117°1	117°4	117°5	117°6	119°3	118°5
6	115°0	115°0	115°2	—	—	—	—	—	—	—	—	—
7	—	—	—	115°0	119°2	116°0	111°6	111°1	112°6	114°0	112°7	116°1
8	110°9	115°2	111°7	112°0	112°2	113°0	114°5	114°2	115°6	116°5	117°9	118°4
9	117°8	115°2	114°1	114°2	113°8	113°4	113°6	114°0	114°7	114°5	116°0	117°0
10	113°3	113°9	113°3	113°0	114°0	113°7	113°4	113°8	114°0	114°9	115°8	115°0
11	114°5	113°9	114°1	118°4	116°2	115°0	116°0	116°2	117°1	118°0	118°7	117°3
12	111°0	114°0	114°5	115°2	118°5	118°6	114°8	115°0	117°1	117°0	116°3	116°1
13	114°1	114°0	115°5	—	—	—	—	—	—	—	—	—
14	—	—	—	114°5	114°9	114°8	115°1	115°2	115°2	115°4	116°1	116°2
15	116°4	116°1	116°0	115°9	116°6	116°9	117°2	118°2	118°7	119°3	119°3	119°6
16	118°8	118°8	119°1	117°9	118°3	117°8	118°9	119°7	—	120°2	122°3	121°2
17	117°3	116°7	115°5	116°7	117°0	116°9	117°1	117°7	118°5	119°5	120°9	118°0
18	115°3	115°2	115°1	114°8	116°6	115°7	115°8	117°0	117°5	117°8	117°1	115°0
19	113°0	114°1	113°9	118°8	—	—	—	114°7	114°3	114°2	114°2	114°8
20	112°3	112°1	113°0	—	—	—	—	—	—	—	—	—
21	—	—	—	114°4	115°1	116°1	116°3	116°5	116°8	117°1	117°8	117°7
22	116°9	115°9	115°3	116°0	116°2	116°8	116°8	117°3	118°0	118°4	118°9	117°9
23	115°9	115°4	115°4	115°2	115°7	116°1	116°6	116°9	117°2	117°6	117°5	116°7
24	117°5	116°7	117°8	118°5	118°6	119°6	119°8	119°8	120°9	124°2	123°7	119°7
25	110°5	117°9	115°1	106°4	106°6	109°0	116°0	111°2	110°0	110°4	107°3	105°9
26	110°8	111°1	111°6	112°5	111°7	111°2	110°9	111°6	111°4	111°5	111°7	110°9
27	110°1	110°1	111°2	—	—	—	—	—	—	—	—	—
28	—	—	—	107°9	110°0	110°9	111°5	113°3	112°9	112°7	111°6	109°8
29	113°5	113°1	113°3	114°3	114°2	115°6	116°7	115°7	116°1	116°3	115°2	112°3
30	116°2	115°8	115°6	115°8	115°8	115°8	115°8	115°4	—	116°6	116°4	114°6
Hourly Means	114°14	114°33	114°14	114°38	114°79	114°92	115°34	115°34	115°65	116°27	116°40	115°68
TEMPERATURE OF THE BIFILAR MAGNET.												
SEPTEMBER.												
1	52°8	52°8	52°8	52°8	53°1	53°0	53°1	53°1	53°0	53°0	53°0	52°8
2	55°0	55°0	54°9	54°9	54°6	54°4	54°0	54°0	53°8	53°7	53°5	53°5
3	56°2	56°2	56°0	56°0	56°0	55°9	55°7	55°7	55°8	55°7	55°5	55°3
4	55°0	54°6	54°2	54°0	53°8	53°2	52°8	52°4	52°3	52°0	51°6	51°3
5	53°2	53°2	53°0	52°8	52°8	52°6	52°3	52°2	51°8	51°5	51°5	51°5
6	54°2	54°0	53°9	—	—	—	—	—	—	—	—	—
7	—	—	—	53°5	53°4	53°5	53°5	53°3	52°8	52°6	52°2	52°2
8	55°5	55°5	55°4	55°3	54°8	54°4	54°0	53°8	53°7	53°5	53°2	53°2
9	56°8	56°8	56°8	56°6	56°4	56°2	56°0	55°8	55°7	55°3	55°1	54°9
10	58°4	58°6	58°8	58°8	58°7	58°6	58°5	58°4	58°2	57°8	57°4	57°2
11	54°9	54°5	54°2	53°7	53°2	52°8	52°4	52°2	51°9	51°5	51°2	51°0
12	52°6	52°4	52°2	52°2	52°2	52°3	52°3	52°4	52°5	52°4	52°3	52°2
13	55°0	54°9	53°8	—	—	—	—	—	—	—	—	—
14	—	—	—	55°8	55°8	56°0	56°0	56°0	56°0	56°0	56°0	55°9
15	55°6	55°2	54°8	54°6	54°2	53°8	53°5	53°2	53°1	52°9	52°6	52°4
16	52°0	52°0	51°8	51°6	51°6	51°4	51°2	51°0	—	50°4	50°2	50°2
17	53°7	53°7	53°6	53°5	53°4	53°2	53°0	53°0	52°9	52°7	52°6	52°6
18	52°4	52°2	52°2	52°2	52°1	52°0	51°9	51°8	51°7	51°7	51°5	51°4
19	55°2	55°4	55°4	55°3	—	—	—	55°3	55°0	55°0	55°0	55°0
20	58°6	58°3	57°8	—	—	—	—	—	—	—	—	—
21	—	—	—	54°6	54°3	54°0	53°8	53°6	53°5	53°3	53°2	53°0
22	55°0	55°0	54°7	54°5	54°5	54°3	54°0	53°7	53°4	53°0	52°8	52°8
23	57°7	57°7	57°6	57°5	57°0	56°6	56°2	56°0	55°6	55°0	54°8	54°5
24	52°4	52°2	52°0	51°8	51°4	51°2	51°0	50°9	51°0	50°8	50°7	50°7
25	56°2	56°5	56°6	56°5	56°6	56°2	56°2	56°2	56°3	56°2	56°1	56°0
26	58°6	58°6	58°4	58°4	58°0	57°8	57°6	57°4	57°3	57°3	57°2	57°3
27	57°6	57°2	57°0	—	—	—	—	—	—	—	—	—
28	—	—	—	57°2	57°2	57°2	57°2	57°2	57°0	57°0	57°0	57°0
29	56°0	55°7	55°5	55°4	55°0	54°8	54°6	54°4	54°2	54°2	54°2	54°2
30	53°8	53°8	53°8	53°8	53°8	53°8	53°8	53°8	—	53°8	53°8	53°8
Hourly Means	55°17	55°08	54°90	54°74	54°56	54°37	54°18	54°11	54°10	53°78	53°62	53°53

HORIZONTAL FORCE.

One Scale Division = '000229 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. 113°0	Sc. Div. 111°4	Sc. Div. 110°4	Sc. Div. 106°2	Sc. Div. 106°8	Sc. Div. 107°5	Sc. Div. 107°7	Sc. Div. 109°2	Sc. Div. 111°3	Sc. Div. 111°8	Sc. Div. 111°9	Sc. Div. 115°4	Sc. Div. 112°92
110°2	109°6	108°8	109°2	111°1	112°5	111°8	114°4	112°0	113°9	114°8	111°2	112°31
113°4	112°1	111°0	111°2	109°9	114°6	114°7	109°3	110°3	112°6	111°6	116°4	112°74
116°2	115°2	114°8	113°6	111°7	114°4	113°7	116°1	115°2	115°8	115°8	115°9	114°77
118°1	117°3	116°1	114°1	113°7	113°7	114°7	114°0	114°4	115°3	115°6	117°0	116°07
—	—	—	—	—	—	—	—	—	—	—	—	—
116°5	114°5	111°0	108°8	110°4	109°0	110°2	113°6	114°5	112°2	111°0	113°0	113°26
119°1	118°0	114°4	115°2	114°4	114°9	114°8	114°8	113°4	113°4	113°1	113°6	114°63
116°5	114°5	112°0	110°8	111°5	111°7	112°0	114°0	113°9	114°2	114°1	—	114°06
114°2	111°5	111°6	111°0	110°9	110°7	113°8	114°4	115°2	115°3	116°2	116°3	113°72
116°9	115°9	115°3	115°7	117°5	116°5	115°9	114°7	117°0	116°8	116°1	114°2	116°16
115°9	114°2	112°7	114°1	114°8	115°3	115°7	116°1	114°3	115°5	115°5	115°6	115°32
—	—	—	—	—	—	—	—	—	—	—	—	—
115°0	113°4	112°4	112°3	112°4	112°7	114°1	114°3	114°0	114°1	114°7	115°6	114°42
118°3	116°3	113°9	113°0	114°2	114°4	116°6	117°2	116°8	117°3	117°9	118°2	116°84
119°4	116°3	114°0	113°7	113°7	116°1	117°9	118°1	118°1	118°3	117°5	117°8	117°99
113°3	113°0	111°8	114°5	116°9	116°6	117°7	116°8	110°2	108°7	110°7	113°7	115°65
113°3	112°7	111°0	111°6	110°8	109°0	112°6	114°1	111°3	111°6	112°4	112°9	114°00
113°5	112°1	110°5	110°2	111°1	111°9	113°7	113°2	111°2	110°9	111°2	112°1	113°03
—	—	—	—	—	—	—	—	—	—	—	—	—
116°8	115°0	113°3	113°2	115°3	115°4	116°5	117°1	116°7	115°2	116°9	116°4	115°54
116°1	114°5	113°5	112°7	114°0	114°4	115°8	116°9	117°0	116°9	116°3	116°2	116°19
116°8	115°0	113°5	113°2	114°5	116°6	115°4	115°8	117°7	118°6	119°2	118°7	116°30
116°5	114°1	113°2	111°4	110°8	111°5	109°7	110°3	115°6	102°8	105°5	107°3	115°23
106°2	106°4	108°4	109°1	106°6	112°2	113°0	114°5	113°1	110°8	112°3	114°3	110°55
109°5	107°6	107°4	108°3	108°1	110°8	112°3	111°7	112°2	109°9	110°0	108°0	110°53
—	—	—	—	—	—	—	—	—	—	—	—	—
108°3	107°8	107°0	108°5	109°8	110°9	112°0	111°9	112°7	111°2	111°1	112°8	110°66
109°9	110°2	108°7	109°2	110°9	113°1	113°7	114°6	113°8	114°9	117°5	115°9	113°69
111°4	109°1	106°8	107°4	109°0	112°8	114°6	117°2	115°4	116°7	115°6	114°3	114°09
114°39	112°99	111°67	111°47	111°95	113°04	113°87	114°39	114°13	113°64	114°02	1 4°51	114°22

TEMPERATURE OF THE BIFILAR MAGNET.

52°8	52°8	52°9	53°2	53°6	53°8	54°3	54°6	54°8	55°0	55°1	55°0	53°47
53°5	53°5	53°8	54°2	54°5	54°8	55°2	55°7	56°0	56°0	56°2	56°2	54°62
55°0	55°2	55°3	55°5	55°8	56°0	56°2	56°2	56°2	55°9	55°6	55°2	55°75
51°2	51°2	51°3	51°6	51°6	52°0	52°4	52°8	53°0	53°2	53°2	53°4	52°67
51°5	51°7	52°0	52°2	52°7	53°2	53°6	54°0	54°2	54°4	54°3	54°3	52°77
—	—	—	—	—	—	—	—	—	—	—	—	—
52°2	52°3	52°5	53°2	53°7	54°2	54°6	54°9	55°2	55°3	55°5	55°5	53°67
53°1	53°0	53°2	53°7	54°0	54°8	55°4	56°0	56°2	56°6	56°8	56°8	54°66
54°8	54°7	54°8	55°5	56°0	56°5	57°0	57°3	57°8	58°0	58°1	—	56°21
57°0	56°8	56°6	56°6	56°6	56°6	56°4	56°3	56°1	55°8	55°5	55°3	57°30
51°1	51°3	51°3	51°5	51°6	52°0	52°2	52°2	52°2	52°4	52°4	52°4	52°34
52°0	52°0	52°5	52°7	53°2	53°5	53°8	54°2	54°5	54°8	55°0	55°0	52°97
—	—	—	—	—	—	—	—	—	—	—	—	—
56°0	56°0	56°2	56°3	56°2	56°4	56°6	56°8	56°6	56°4	56°2	56°0	55°95
52°2	52°2	52°0	52°3	52°2	52°2	52°2	52°4	52°5	52°4	52°3	52°2	53°04
50°1	50°6	51°0	51°4	52°1	52°5	53°0	53°4	53°6	53°7	53°8	53°8	51°84
52°6	52°6	52°7	52°7	52°6	52°6	52°6	52°4	52°6	52°6	52°4	52°4	52°86
51°2	51°2	51°8	52°2	52°4	53°0	53°4	53°5	54°0	54°8	55°0	55°1	52°53
55°1	55°2	55°7	56°0	57°0	57°5	58°2	58°6	58°9	59°2	59°3	59°0	56°50
—	—	—	—	—	—	—	—	—	—	—	—	—
53°0	52°8	53°0	53°0	53°3	53°6	53°7	54°2	54°5	54°7	54°8	54°8	54°31
52°6	52°5	52°6	53°0	53°6	54°3	55°1	55°7	56°4	56°9	57°3	57°5	54°38
54°2	54°0	53°7	53°6	53°4	53°2	53°2	53°2	53°0	53°0	52°8	52°8	54°85
51°0	51°2	52°0	52°6	53°4	54°0	54°7	55°1	55°3	55°4	56°0	56°0	52°62
55°8	55°7	55°8	56°2	56°5	56°8	57°2	57°8	58°0	58°2	58°4	58°5	56°69
57°3	57°4	57°7	58°0	58°4	58°6	58°6	58°6	58°5	58°3	58°2	57°9	57°98
—	—	—	—	—	—	—	—	—	—	—	—	—
57°2	57°2	57°3	57°3	57°4	57°3	57°2	56°8	56°7	56°5	56°3	56°2	57°05
54°0	53°9	53°8	53°7	53°8	53°6	53°6	53°6	53°8	53°8	53°8	53°8	54°31
53°8	53°6	53°6	53°7	53°8	53°8	53°8	53°8	54°0	54°2	54°3	54°3	53°85
53°47	53°48	53°66	53°92	54°21	54°50	54°78	55°00	55°18	55°29	55°33	55°18	54°43

HORIZONTAL FORCE.													
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.													
Mean Göttingen Time. }	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
OCTOBER.	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	115.5	113.8	114.0	114.0	117.8	113.8	114.1	114.3	114.3	114.2	114.5	113.9
	2	114.7	113.2	113.0	114.3	114.7	115.0	115.5	115.5	115.7	115.8	116.0	114.1
	3	113.2	111.4	110.7	111.9	112.1	112.8	113.7	114.4	114.4	114.3	114.1	112.1
	4	114.4	113.5	113.7	—	—	—	—	—	—	—	—	—
	5	—	—	—	113.5	113.8	113.9	114.0	114.8	114.9	115.3	115.5	114.4
	6	114.6	114.8	115.7	118.1	114.3	115.3	117.9	115.2	114.5	115.2	116.5	116.9
	7	118.5	118.8	119.0	118.9	118.8	118.0	120.6	119.2	—	119.5	119.0	118.8
	8	119.5	118.6	118.4	118.0	118.7	118.6	118.6	118.5	118.4	118.7	118.6	117.6
	9	119.1	119.0	119.0	119.2	119.7	118.8	118.2	119.3	119.5	118.2	115.0	111.7
	10	109.7	117.5	113.1	112.6	113.1	113.5	114.9	114.6	114.6	114.7	115.5	115.4
	11	112.5	111.0	112.8	—	—	—	—	—	—	—	—	—
	12	—	—	—	114.1	113.5	112.5	112.7	112.8	113.4	113.6	113.3	112.2
	13	112.9	111.9	113.0	113.9	112.5	112.6	113.2	113.8	113.8	113.9	112.8	111.4
	14	116.6	116.5	116.6	116.8	—	117.1	117.8	118.0	117.4	118.2	116.7	114.6
	15	118.3	117.8	116.4	115.7	118.2	116.6	115.7	117.1	118.0	119.2	118.3	117.1
	16	115.5	115.5	115.1	117.2	116.2	115.6	115.7	116.5	116.8	118.4	118.2	117.0
	17	117.2	115.2	118.7	118.8	117.5	—	116.4	117.7	118.2	118.2	117.4	115.5
	18	118.4	119.0	119.5	—	—	—	—	—	—	—	—	—
	19	—	—	—	120.2	120.1	120.0	120.0	120.4	121.0	122.6	123.3	121.1
	20	118.5	118.1	116.6	116.1	114.1	115.4	116.5	117.4	118.1	118.7	117.0	115.2
	21	119.1	111.1	119.4	113.9	114.1	114.1	115.0	115.9	116.8	115.1	117.0	115.2
	22	120.7	114.9	115.2	115.7	115.3	116.1	117.1	114.9	116.2	116.1	115.0	114.0
	23	113.4	113.9	113.7	113.3	113.0	112.9	113.0	113.0	113.5	113.9	114.1	113.1
	24	112.3	113.7	112.3	111.8	—	113.6	114.0	114.0	—	114.1	114.1	114.0
	25	113.2	113.1	114.2	—	—	—	—	—	—	—	—	—
	26	—	—	—	116.4	116.7	117.1	117.6	117.2	—	—	116.2	115.0
	27	115.2	113.6	112.4	112.7	113.7	113.1	113.1	113.2	113.3	113.1	111.8	110.5
	28	110.3	111.3	110.1	109.9	109.8	109.4	109.5	108.9	—	109.7	108.2	106.3
	29	105.7	105.7	105.7	104.6	105.2	105.6	106.3	107.6	108.5	109.3	109.2	107.0
	30	110.2	109.8	111.7	109.7	110.3	110.8	111.2	111.7	112.9	114.0	114.1	113.4
31	112.6	112.0	112.9	112.7	113.1	114.0	114.3	114.8	113.6	115.2	114.5	112.3	
Hourly Means	114.88	114.25	114.55	114.59	114.65	114.47	115.06	115.21	115.56	115.74	115.40	114.06	
TEMPERATURE OF THE BIFILAR MAGNET.													
OCTOBER.	1	54.3	54.4	54.4	54.4	54.5	54.5	54.6	54.6	54.5	54.4	54.5	54.4
	2	56.6	56.5	56.4	56.2	55.8	55.6	55.4	55.2	55.0	54.8	54.8	55.0
	3	57.5	57.3	57.3	57.2	57.0	57.0	56.8	56.6	56.4	56.2	56.0	56.0
	4	57.3	57.2	57.2	—	—	—	—	—	—	—	—	—
	5	—	—	—	58.0	58.0	57.8	57.8	57.6	57.7	57.5	57.2	57.3
	6	57.8	57.6	57.4	57.0	56.5	56.2	56.0	55.8	55.5	55.2	54.8	54.4
	7	53.2	53.0	52.7	52.3	52.2	51.8	51.6	51.2	—	50.0	49.8	49.4
	8	51.8	52.0	52.1	52.2	52.1	52.2	52.2	52.2	52.3	52.2	52.1	52.0
	9	53.5	53.5	53.3	53.1	53.2	53.2	53.0	53.0	53.0	53.0	52.8	52.8
	10	54.5	54.3	54.2	54.4	54.6	54.4	54.4	54.3	54.2	54.0	53.8	53.8
	11	56.1	56.0	56.0	—	—	—	—	—	—	—	—	—
	12	—	—	—	58.7	58.7	58.5	58.4	58.4	58.5	58.3	58.3	58.2
	13	60.8	60.8	60.5	60.5	60.4	60.0	59.7	59.6	59.0	58.4	58.0	57.8
	14	55.2	55.0	54.7	54.4	—	53.8	53.6	53.4	53.2	53.0	52.8	52.8
	15	55.1	55.0	55.0	54.8	54.5	54.2	54.0	54.0	53.8	53.6	53.5	53.4
	16	56.2	56.0	56.0	55.9	55.9	55.7	55.6	55.4	54.8	54.8	54.4	54.0
	17	54.1	53.8	53.7	53.6	53.4	—	53.0	52.8	52.8	52.5	52.7	52.8
	18	53.8	53.6	53.4	—	—	—	—	—	—	—	—	—
	19	—	—	—	51.8	51.6	51.5	51.3	51.0	50.6	50.6	50.4	50.2
	20	53.6	53.6	53.4	53.3	53.0	52.8	52.6	52.4	52.2	52.2	52.0	52.2
	21	54.0	54.0	53.8	54.0	53.6	53.5	53.2	53.0	53.1	53.0	52.8	52.7
	22	56.0	55.9	55.5	55.8	55.6	55.5	55.2	55.0	54.2	54.2	54.1	54.2
	23	59.3	59.0	59.0	58.8	58.8	58.6	58.4	58.2	58.0	57.6	57.2	56.8
	24	57.0	56.8	56.6	56.2	—	55.4	55.2	55.0	—	54.5	54.2	54.0
	25	54.8	54.5	54.5	—	—	—	—	—	—	—	—	—
	26	—	—	—	54.2	54.2	54.1	54.0	53.8	—	—	53.7	53.8
	27	58.6	59.0	59.0	59.2	59.2	59.5	59.6	59.8	60.0	60.2	60.2	60.4
	28	67.3	67.5	67.7	67.7	67.7	67.7	67.6	67.5	—	67.0	67.0	66.6
	29	70.8	71.0	71.0	71.0	70.8	70.6	70.2	70.0	69.7	69.3	68.5	68.6
	30	67.2	66.8	66.2	66.0	65.3	65.0	64.6	64.3	64.2	63.8	63.4	63.3
	31	63.5	63.1	63.0	62.8	62.4	62.2	61.7	61.3	60.8	60.4	60.2	60.0
Hourly Means	57.40	57.30	57.18	57.17	57.16	56.97	56.66	56.50	56.24	56.18	55.90	55.81	

HORIZONTAL FORCE.												
One Scale Division = '000229 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. 111.7	Sc. Div. 109.4	Sc. Div. 107.9	Sc. Div. 110.2	Sc. Div. 111.0	Sc. Div. 112.8	Sc. Div. 113.7	Sc. Div. 114.2	Sc. Div. 114.7	Sc. Div. 114.3	Sc. Div. 115.0	Sc. Div. 114.3	Sc. Div. 113.47
111.5	108.5	107.3	109.6	112.4	114.4	115.8	116.3	115.1	115.0	113.7	114.4	113.81
110.4	110.0	107.4	111.1	112.6	115.1	114.5	114.7	114.7	114.5	114.5	114.6	112.88
—	—	—	—	—	—	—	—	—	—	—	—	114.17
112.6	111.3	112.3	113.3	113.4	115.2	116.5	115.9	112.3	114.2	115.6	115.9	115.79
115.5	114.6	115.1	115.1	114.5	113.7	114.7	116.0	116.5	117.6	118.5	118.3	118.46
116.7	114.7	115.8	116.1	117.1	118.8	119.2	119.4	119.0	119.1	119.7	119.8	117.49
116.5	115.7	114.5	115.0	114.4	114.8	116.7	116.8	117.1	118.6	118.8	118.8	114.72
108.1	110.6	109.8	110.4	111.8	113.7	113.3	115.9	116.8	109.0	105.2	112.0	113.89
113.9	112.8	111.7	112.5	112.3	114.4	114.3	115.8	115.0	113.8	113.6	114.2	112.05
—	—	—	—	—	—	—	—	—	—	—	—	113.21
109.7	107.8	108.3	110.7	111.2	112.0	112.7	113.0	113.2	112.2	112.1	111.9	116.81
109.5	108.2	108.4	110.4	112.8	115.9	115.5	116.0	115.4	116.1	116.8	116.3	116.09
112.1	111.4	112.0	114.2	118.2	119.1	120.0	119.7	119.1	118.2	118.2	118.1	116.21
113.8	111.1	110.4	110.8	113.4	116.1	117.8	116.9	117.5	117.4	116.9	115.7	116.78
115.3	114.2	114.8	114.5	117.5	120.5	118.8	116.3	114.6	111.8	116.1	117.0	119.48
113.6	111.5	112.5	114.7	117.5	117.7	118.9	118.7	118.0	118.0	116.4	117.7	115.72
—	—	—	—	—	—	—	—	—	—	—	—	114.32
118.9	115.2	113.8	116.6	117.9	119.0	118.8	118.2	119.6	119.5	123.5	120.9	114.89
113.2	113.0	114.4	113.3	—	116.1	115.2	119.4	110.7	114.0	114.3	116.4	113.32
111.5	108.2	112.5	109.1	111.1	113.5	115.3	116.3	115.1	115.0	114.2	115.3	113.89
111.3	114.4	109.0	111.1	113.8	116.3	116.6	116.3	114.9	114.5	114.2	113.8	113.32
111.0	109.5	109.8	111.5	113.0	115.3	115.7	116.1	115.6	114.5	113.0	114.1	113.48
112.4	112.2	112.6	113.3	114.0	115.7	115.3	113.4	112.5	116.8	112.0	112.5	116.13
—	—	—	—	—	—	—	—	—	—	—	—	111.78
113.8	113.0	113.6	115.6	118.0	118.9	119.0	118.7	117.7	117.4	116.3	116.2	108.09
109.2	107.8	108.6	109.9	111.2	112.5	111.4	111.1	112.0	111.2	111.3	110.8	106.82
104.0	102.7	103.5	105.3	106.8	109.6	109.6	108.8	108.6	108.1	107.8	108.0	111.92
104.9	101.9	101.1	108.6	106.0	108.5	107.5	108.4	108.6	108.8	108.8	110.1	113.16
112.4	109.8	110.0	112.0	112.0	113.0	113.8	112.9	112.9	112.9	112.4	112.2	—
110.1	108.7	107.8	107.0	110.0	111.8	113.9	118.3	118.1	120.6	113.2	114.4	—
111.98	110.67	110.55	111.92	113.22	114.98	115.35	115.68	115.01	114.93	114.52	114.95	116.15

TEMPERATURE OF THE BIFILAR MAGNET.												
54.7	55.0	55.3	55.8	56.2	56.4	56.6	56.7	56.9	56.9	56.9	56.8	55.32
55.1	55.2	55.5	56.0	56.3	56.8	57.0	57.2	57.6	57.6	57.4	57.4	56.10
56.0	56.0	56.0	56.4	56.8	56.8	57.3	57.3	57.6	57.5	57.7	57.5	56.84
—	—	—	—	—	—	—	—	—	—	—	—	57.64
57.4	57.4	57.4	57.5	57.6	57.8	57.8	58.0	58.0	58.0	58.0	57.8	54.90
54.0	53.8	53.6	53.5	53.5	53.8	53.8	53.7	53.7	53.5	53.3	53.2	50.91
49.3	49.2	49.3	49.6	49.8	50.1	50.4	50.7	51.0	51.3	51.5	51.6	52.64
52.2	52.3	52.8	53.3	53.2	53.2	53.4	53.6	53.6	53.5	53.4	53.5	53.44
52.8	52.8	53.0	53.5	53.6	53.7	53.8	54.1	54.2	54.5	54.6	54.6	54.74
53.8	53.8	53.8	54.5	55.0	55.3	55.6	56.0	56.3	56.3	56.2	56.2	58.73
—	—	—	—	—	—	—	—	—	—	—	—	58.00
58.0	58.2	58.2	59.0	59.5	59.8	60.0	60.3	60.4	60.5	60.8	60.8	53.94
57.5	57.2	56.8	56.8	56.6	56.5	56.2	56.1	56.1	55.8	55.6	55.4	54.71
53.0	53.0	53.0	53.2	53.6	54.0	54.2	54.6	55.0	55.0	55.0	55.2	54.71
53.5	53.7	53.8	54.5	54.9	55.0	55.5	56.0	56.2	56.2	56.3	56.5	53.16
53.8	53.8	53.7	53.8	53.9	54.0	54.2	54.2	54.3	54.3	54.2	54.2	—
52.7	52.6	52.5	52.6	52.7	53.0	53.2	53.3	53.5	53.7	53.8	53.8	52.08
—	—	—	—	—	—	—	—	—	—	—	—	52.99
50.5	51.0	51.3	51.5	52.4	52.7	53.0	53.3	53.5	53.6	53.7	53.6	53.92
52.1	52.0	52.3	52.5	—	53.2	53.6	53.8	54.0	54.0	54.0	54.0	56.11
52.7	52.8	53.0	53.8	54.3	54.2	55.0	55.1	55.3	55.4	55.8	56.0	57.74
54.5	54.8	55.6	56.2	56.5	56.8	57.2	57.8	58.6	59.0	59.0	59.4	54.98
56.6	56.6	56.7	57.0	57.2	57.4	57.4	57.6	57.6	57.4	57.4	57.2	—
53.8	53.8	54.0	54.3	54.5	54.6	54.8	55.0	55.0	55.0	55.0	54.9	54.92
—	—	—	—	—	—	—	—	—	—	—	—	54.92
53.8	53.9	53.5	54.0	54.4	55.0	55.8	56.4	57.0	57.4	58.0	58.4	61.75
60.7	61.0	61.8	62.3	63.0	63.6	64.2	65.0	65.6	66.2	66.9	67.0	67.92
66.5	66.3	66.5	67.2	67.6	68.2	68.6	69.3	69.6	70.1	70.4	70.6	69.14
68.3	68.0	68.0	68.0	68.2	68.4	68.4	68.4	68.4	68.2	68.0	67.6	64.38
63.0	63.0	63.0	63.5	63.8	64.0	64.2	64.2	64.2	64.2	64.0	63.9	61.17
59.8	59.8	60.2	60.3	60.6	60.8	60.9	60.9	60.9	60.9	60.9	60.8	—
55.78	55.81	55.95	56.32	56.76	56.86	57.11	57.36	57.56	57.63	57.70	57.70	56.77

HORIZONTAL FORCE.												
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.												
Mean Göttingen Time. } NOVEMBER.	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	110°0	111°3	110°9	—	—	—	—	—	—	—	—	—
2	—	—	—	111°9	116°1	114°6	114°0	115°5	115°0	113°9	114°8	114°5
3	114°6	114°5	116°0	118°8	115°9	115°7	116°1	116°7	116°9	117°2	116°2	114°5
4	117°1	117°1	117°9	116°9	—	115°9	116°7	117°4	117°4	117°9	117°2	115°1
5	118°8	114°9	113°6	120°4	114°6	113°4	112°1	112°8	110°4	111°7	111°5	109°9
6	112°8	112°0	112°2	111°8	112°2	112°7	112°6	112°7	—	112°9	113°0	112°1
7	112°2	111°5	112°0	112°8	112°6	114°9	115°0	114°9	116°2	116°1	115°0	113°4
8	117°0	117°1	117°7	—	—	—	—	—	—	—	—	—
9	—	—	—	—	115°4	115°8	116°3	116°5	116°3	116°1	114°3	112°8
10	116°0	115°0	115°1	115°1	115°4	115°2	114°9	115°6	—	114°6	113°3	112°2
11	113°0	113°4	113°9	115°8	115°7	113°8	114°0	114°0	—	114°6	114°0	113°4
12	116°8	117°2	117°4	117°8	117°7	118°4	118°9	118°1	118°8	118°9	118°1	115°7
13	117°6	117°5	117°5	117°4	117°4	117°3	118°2	117°9	119°0	119°0	118°0	115°9
14	115°8	115°6	115°7	115°8	115°6	113°4	—	—	117°8	118°4	117°2	115°1
15	117°3	117°4	117°2	—	—	—	—	—	—	—	—	—
16	—	—	—	117°7	117°9	118°4	118°7	119°4	121°1	121°5	121°0	118°8
17	107°4	107°6	113°8	115°5	113°6	112°3	112°3	113°8	—	113°1	111°0	109°8
18	112°0	112°6	113°4	117°3	116°0	113°1	112°1	113°0	—	113°3	112°4	112°0
19	110°0	111°6	112°6	113°4	113°2	112°4	111°1	111°2	—	111°5	111°5	110°9
20	108°8	108°7	110°2	109°3	109°2	109°3	109°7	110°0	110°2	111°1	111°5	110°1
21	110°6	108°8	108°7	110°0	109°5	109°1	109°1	109°4	109°5	110°0	110°0	108°4
22	110°5	110°5	111°1	—	—	—	—	—	—	—	—	—
23	—	—	—	113°0	113°0	112°9	114°5	115°0	—	112°0	111°8	110°9
24	113°4	112°7	114°4	115°6	116°4	115°2	114°4	114°6	113°7	113°6	113°9	113°1
25	117°9	118°0	117°9	117°3	117°7	118°1	118°2	117°8	118°0	116°9	114°6	112°7
26	117°4	117°2	117°3	117°0	116°9	118°8	117°4	117°7	118°8	118°6	117°0	114°1
27	117°0	116°7	116°1	115°9	115°5	115°8	116°0	116°7	118°6	118°5	116°5	113°2
28	105°4	106°4	107°5	108°1	—	108°1	108°9	109°5	110°1	110°7	110°0	109°3
29	112°0	111°9	111°7	—	—	—	—	—	—	—	—	—
30	—	—	—	—	111°9	112°7	113°5	114°0	—	114°0	113°4	110°8
Hourly Means	113°65	113°49	114°07	114°98	114°75	114°29	114°36	114°76	115°75	115°04	114°29	112°75
TEMPERATURE OF THE BIFILAR MAGNET.												
NOVEMBER.	°	°	°	°	°	°	°	°	°	°	°	°
1	60°8	60°7	60°6	—	—	—	—	—	—	—	—	—
2	—	—	—	59°3	59°1	58°9	58°7	58°5	58°5	58°2	57°9	57°8
3	56°2	56°0	55°5	55°3	55°2	55°0	54°7	54°5	54°2	54°0	54°0	54°0
4	56°6	56°5	56°4	56°2	—	55°8	55°8	55°4	55°2	55°0	55°2	55°2
5	60°2	60°0	60°0	59°8	59°8	59°5	59°1	58°9	58°8	58°6	58°4	58°3
6	62°1	62°1	62°1	62°1	62°0	61°8	61°6	61°4	—	61°1	60°8	60°5
7	57°2	57°0	56°6	56°2	56°0	55°6	55°3	55°0	54°6	54°3	54°0	54°1
8	55°9	55°7	55°6	—	—	—	—	—	—	—	—	—
9	—	—	—	—	58°0	57°8	57°6	57°4	57°0	57°0	56°8	56°6
10	60°5	60°5	60°5	60°4	60°0	60°0	60°0	59°8	—	59°3	59°2	59°5
11	61°4	61°2	60°7	60°4	59°8	59°3	59°0	58°8	—	58°0	58°0	57°8
12	58°0	57°9	57°6	57°3	57°2	57°0	56°6	56°4	56°2	55°8	55°6	55°4
13	57°2	57°2	57°2	57°1	56°8	56°8	56°6	56°4	56°2	56°0	56°0	56°3
14	60°0	60°0	59°8	59°6	59°4	59°0	—	—	58°8	58°7	58°5	58°4
15	57°6	57°5	57°5	—	—	—	—	—	—	—	—	—
16	—	—	—	56°2	56°0	55°6	55°2	55°0	54°8	54°5	54°3	54°1
17	59°2	59°2	59°0	59°0	58°7	58°4	58°1	57°9	—	57°6	57°5	57°5
18	61°2	61°0	61°0	60°8	60°5	60°3	60°1	60°2	—	59°8	59°8	59°8
19	64°4	64°2	64°0	63°6	63°4	63°0	62°6	62°2	—	62°0	61°5	61°5
20	66°4	66°2	66°2	66°0	65°9	65°6	65°2	65°0	65°2	64°8	66°8	66°8
21	69°0	68°8	68°5	68°3	68°2	68°0	67°8	67°4	67°2	66°8	66°6	66°4
22	66°0	65°8	65°6	—	—	—	—	—	—	—	—	—
23	—	—	—	62°0	61°8	61°6	61°2	61°0	—	60°7	60°4	60°4
24	60°9	60°6	60°2	60°0	60°0	59°7	59°4	59°2	59°0	58°6	58°4	58°4
25	58°6	58°6	58°6	58°6	58°4	58°4	58°2	58°2	58°2	58°1	58°0	58°0
26	59°2	59°0	59°0	58°8	58°6	58°4	58°3	58°1	58°2	58°2	58°1	58°1
27	61°2	61°1	61°1	61°0	61°2	60°9	60°7	60°5	60°2	60°0	60°0	60°0
28	65°8	66°0	66°1	66°0	—	65°5	65°4	65°2	65°1	64°9	64°7	64°8
29	64°4	64°2	64°0	—	—	—	—	—	—	—	—	—
30	—	—	—	—	61°7	61°5	61°4	61°2	—	60°8	60°8	60°8
Hourly Means	60°80	60°68	60°54	60°20	59°90	59°74	59°52	59°32	58°67	58°91	58°85	58°82

HORIZONTAL FORCE.

One Scale Division = '000229 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.
111.0	109.7	109.0	104.8	108.9	112.5	114.6	115.5	117.6	113.6	113.0	114.9	112.82
112.5	110.7	111.0	112.0	114.4	116.8	117.2	117.2	115.6	116.8	117.0	117.2	115.48
111.2	110.0	110.3	112.1	113.7	114.0	115.7	116.4	115.3	116.2	115.9	115.2	115.33
107.2	105.2	105.8	108.4	112.7	114.2	114.4	115.5	115.1	114.1	113.9	113.9	112.68
109.5	107.2	106.8	108.5	111.0	110.8	114.6	117.2	117.6	114.5	113.6	112.4	112.20
113.4	112.3	112.9	114.1	118.7	117.2	113.1	117.0	115.4	117.0	117.2	117.2	114.67
110.6	110.8	112.5	115.2	116.4	117.3	118.1	117.3	116.1	115.5	113.2	114.5	115.34
112.0	109.7	107.7	108.2	108.5	111.1	113.2	112.7	111.3	112.8	113.3	113.1	112.87
113.2	112.4	111.2	111.4	111.8	111.7	114.0	114.8	116.2	116.5	116.1	116.5	113.97
112.9	111.0	110.1	110.5	113.3	117.3	119.0	119.6	119.0	118.6	117.9	117.8	116.70
111.9	109.1	108.7	109.8	113.0	115.6	117.2	117.7	117.0	115.8	115.9	116.2	115.86
111.7	110.6	109.6	111.5	114.1	117.4	119.2	119.2	118.4	117.1	117.1	117.2	115.61
114.5	110.3	111.0	114.3	116.9	119.7	119.5	121.6	120.8	121.4	111.5	108.8	117.36
107.1	105.9	105.6	106.0	107.8	109.5	112.4	112.8	113.6	113.2	113.1	112.8	110.87
112.2	110.3	106.2	105.7	108.4	111.6	114.9	114.0	111.6	113.0	111.0	113.5	112.15
108.6	106.9	106.1	106.7	109.5	111.6	112.8	113.8	111.2	110.2	110.0	108.3	110.66
107.4	105.5	105.3	106.0	107.4	108.2	108.8	108.8	108.9	109.3	110.0	109.2	108.58
105.9	103.1	101.9	103.3	105.4	108.6	109.4	109.1	109.4	109.8	110.4	111.0	108.35
108.5	107.7	109.0	110.2	115.0	116.1	115.1	114.2	114.5	114.2	114.0	114.1	112.51
111.7	109.4	109.7	110.2	110.6	116.1	118.0	118.7	117.2	117.1	—	119.0	114.29
110.9	111.9	113.4	116.1	118.5	119.7	119.1	118.2	117.9	116.8	117.4	117.0	116.75
111.2	109.6	110.8	114.6	117.0	115.1	117.4	116.2	115.9	116.7	117.4	116.9	116.12
110.4	110.3	109.2	110.0	114.2	112.4	117.4	110.8	112.6	114.6	109.4	106.2	113.92
107.6	105.0	102.3	101.8	105.9	108.6	110.1	111.7	112.3	111.1	111.1	111.6	108.39
109.5	107.3	105.7	105.1	108.3	110.5	111.9	113.1	113.0	112.4	112.1	111.8	111.21
110.50	108.87	108.47	109.46	112.05	113.74	115.08	115.32	114.94	114.73	113.81	113.85	113.42

TEMPERATURE OF THE BIFILAR MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
57.5	57.3	57.3	57.5	57.3	57.0	57.0	57.0	57.0	56.9	56.6	56.3	58.07
54.0	54.0	54.2	54.6	55.2	55.5	55.8	56.2	56.4	56.6	56.6	56.6	55.18
55.5	56.1	56.5	57.0	57.4	58.3	59.0	59.4	59.8	60.0	60.0	60.2	57.07
58.2	58.6	59.0	59.6	60.0	60.7	61.0	61.2	61.8	62.0	62.0	62.1	59.90
60.3	59.8	59.5	59.3	59.2	59.0	58.8	58.8	58.4	58.0	57.8	57.4	60.17
54.2	54.4	54.6	54.8	55.0	55.3	55.4	55.6	55.6	55.7	55.8	55.9	55.34
56.6	56.8	57.0	57.4	58.0	58.6	59.1	59.6	59.9	60.2	60.4	60.5	57.80
60.0	60.3	60.6	61.2	61.4	62.0	62.2	62.2	62.2	62.0	62.0	61.8	60.77
57.8	57.6	57.6	57.8	57.8	58.0	58.0	58.2	58.4	58.4	58.4	58.3	58.73
55.2	55.0	55.0	55.2	55.6	55.9	56.2	56.3	56.7	56.9	57.1	57.2	56.38
56.8	57.0	57.4	58.0	58.4	58.8	59.2	59.8	60.0	60.0	60.2	60.2	57.73
58.3	58.2	58.0	58.0	57.8	57.8	57.8	58.0	58.0	57.9	57.8	57.8	58.53
54.4	54.7	55.2	55.7	56.2	56.8	57.4	58.0	58.4	58.8	59.0	59.2	56.34
57.6	58.0	58.4	59.0	59.4	59.8	60.2	60.8	61.1	61.3	61.3	61.3	59.14
60.0	60.3	60.8	61.1	61.9	62.6	63.1	63.5	63.9	64.2	64.4	64.4	61.51
61.7	62.1	62.5	63.0	63.4	64.0	64.8	65.2	65.6	66.0	66.2	66.2	63.61
65.0	65.4	65.8	66.2	66.5	67.0	67.6	68.0	68.4	68.8	69.1	69.1	66.54
66.4	66.0	66.0	66.0	66.1	66.0	65.9	65.9	66.0	66.1	66.1	66.0	66.90
60.2	60.2	60.4	60.6	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.0	61.58
58.0	58.0	58.0	58.0	58.4	58.5	58.5	58.6	58.6	58.6	—	58.7	58.97
58.2	58.2	58.3	58.6	58.6	58.8	59.0	59.2	59.4	59.4	59.4	59.4	58.60
58.0	58.2	58.6	59.0	59.6	60.0	60.4	60.8	61.1	61.2	61.2	61.2	59.22
60.0	60.3	60.8	61.2	62.3	63.1	63.6	64.3	64.8	65.3	65.5	65.7	61.87
64.8	65.2	65.3	65.2	65.0	65.0	65.0	65.0	65.0	65.3	65.1	64.8	65.23
60.8	61.0	61.5	61.8	62.5	63.2	63.6	64.1	64.6	65.0	65.3	65.5	62.71
57.98	58.91	59.13	59.43	59.79	60.11	60.39	60.67	60.89	61.03	61.18	61.07	59.91

HORIZONTAL FORCE.													
One Scale Division = '000229 parts of the H. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '000234.													
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
DECEMBER.	1	111.5	110.6	109.9	109.7	110.0	110.8	110.8	111.4	112.3	112.3	110.6	108.0
	2	110.3	110.1	109.8	111.2	111.1	111.4	111.9	112.0	112.5	112.6	112.7	111.4
	3	107.5	106.9	112.4	114.9	106.5	103.4	116.0	110.2	109.2	111.0	110.8	110.0
	4	107.4	106.3	107.8	107.5	108.6	108.9	109.0	109.5	109.2	109.9	109.5	109.1
	5	107.6	105.5	108.2	109.1	107.0	105.2	104.8	106.2	106.3	105.9	105.5	104.4
	6	107.0	107.0	107.0	—	—	—	—	—	—	—	—	—
	7	—	—	—	108.6	108.5	108.0	106.9	106.5	108.5	108.5	109.0	107.2
	8	109.3	111.0	112.1	109.8	109.4	109.5	109.0	111.0	111.7	111.6	111.2	110.8
	9	113.8	113.8	113.5	114.0	115.0	115.6	115.0	115.9	—	115.6	114.4	112.9
	10	116.6	117.6	114.6	116.8	116.8	116.9	116.2	117.4	118.1	118.6	117.2	110.6
	11	116.7	116.5	116.7	116.4	115.8	115.9	115.5	115.5	115.7	115.7	114.9	111.5
	12	114.9	115.9	115.9	115.9	114.9	116.8	116.1	115.4	115.5	115.2	113.4	112.3
	13	111.2	106.7	106.7	—	—	—	—	—	—	—	—	—
	14	—	—	—	112.9	113.3	113.4	113.8	114.0	114.2	114.5	114.6	113.1
	15	113.2	110.6	110.7	115.5	—	—	—	113.9	113.6	113.3	113.0	108.1
	16	111.8	112.0	110.7	110.3	112.0	—	110.3	110.3	111.7	112.1	111.6	110.0
	17	112.6	113.3	112.3	111.6	113.8	112.0	111.2	111.8	—	112.3	112.9	110.8
	18	110.7	110.4	108.6	110.2	110.6	110.2	109.5	111.2	111.5	112.3	111.8	110.3
	19	113.4	113.2	114.8	114.0	114.3	113.5	112.9	114.4	113.9	114.5	114.0	111.8
	20	115.1	115.0	115.2	—	—	—	—	—	—	—	—	—
	21	—	—	—	114.1	114.3	115.0	115.3	115.1	115.3	116.0	115.7	115.0
	22	115.1	115.0	114.6	115.1	114.7	114.6	114.6	114.9	114.7	114.5	114.7	114.1
	23	115.4	116.0	115.8	116.4	115.4	117.7	115.7	115.9	116.7	117.0	116.2	114.2
	24	113.7	114.8	114.1	—	—	—	—	—	—	—	—	—
	25	—	—	—	114.0	113.8	113.9	113.8	113.8	114.4	114.3	118.3	112.2
	26	116.8	116.0	115.2	115.2	—	114.1	114.7	114.6	115.8	115.3	114.3	112.3
	27	112.4	112.0	111.0	—	—	—	—	—	—	—	—	—
	28	—	—	—	113.0	113.0	111.0	111.7	110.4	109.8	109.8	109.1	107.3
	29	113.0	113.0	113.6	113.9	114.5	115.7	—	—	115.7	115.6	114.5	111.5
	30	113.3	110.5	113.5	108.5	109.1	112.4	112.1	111.7	109.7	110.1	106.5	105.7
	31	109.0	109.1	111.8	110.5	109.0	109.2	109.5	109.8	110.0	109.9	109.4	108.0
Hourly Means	112.28	111.87	112.17	112.66	112.14	112.29	112.34	112.51	112.75	113.01	112.53	110.41	
TEMPERATURE OF THE BIFILAR MAGNET.													
DECEMBER.	1	65.9	66.0	66.0	66.0	66.0	65.8	65.6	65.5	65.2	65.0	65.0	64.8
	2	65.0	64.6	64.0	63.8	63.5	63.1	62.8	62.5	62.4	62.2	62.0	62.0
	3	64.4	64.1	64.0	64.0	64.0	63.8	63.7	63.5	63.2	62.8	62.6	62.4
	4	66.3	66.2	66.0	65.7	65.4	65.2	65.0	64.6	64.1	64.0	64.0	64.2
	5	65.0	65.0	65.0	65.2	65.2	65.3	65.3	65.2	65.3	65.3	65.3	65.7
	6	67.5	67.4	67.1	—	—	—	—	—	—	—	—	—
	7	—	—	—	69.0	68.8	68.6	68.4	68.2	68.0	67.8	67.6	67.6
	8	67.2	66.8	66.2	65.8	65.2	64.9	64.5	64.0	63.8	63.4	63.3	63.0
	9	62.2	61.8	61.3	61.0	60.6	60.3	60.0	59.6	—	58.8	58.6	58.4
	10	59.7	59.6	59.6	59.4	59.0	58.8	58.6	58.4	58.4	58.5	58.5	57.7
	11	60.2	60.2	60.2	60.2	60.0	60.0	60.0	59.9	60.0	60.0	59.8	59.7
	12	61.1	61.0	60.8	60.8	60.7	60.7	60.6	60.4	60.2	60.0	59.8	59.8
	13	62.3	62.1	62.2	—	—	—	—	—	—	—	—	—
	14	—	—	—	61.2	61.0	60.8	60.5	60.5	60.5	60.4	60.3	60.3
	15	63.0	63.0	62.6	62.4	—	—	—	61.0	60.7	60.4	60.2	60.0
	16	64.7	64.6	64.3	64.1	63.7	—	62.0	61.6	62.3	62.2	62.0	62.0
	17	64.0	63.8	63.6	63.4	63.4	63.1	62.9	62.8	—	62.5	62.5	62.5
	18	66.0	65.8	65.5	65.0	64.9	64.5	64.2	63.7	63.8	63.8	63.4	62.8
	19	63.3	63.2	63.0	62.9	62.6	62.4	62.2	62.2	62.0	61.8	61.8	61.8
	20	63.3	63.3	63.1	—	—	—	—	—	—	—	—	—
	21	—	—	—	63.2	62.9	62.7	62.6	62.3	62.0	61.8	61.6	61.5
	22	64.0	63.6	63.3	63.0	62.8	62.2	61.8	61.4	61.2	61.0	60.7	60.8
	23	62.0	62.0	61.8	61.8	61.5	61.2	61.0	60.6	60.6	60.4	60.2	60.1
	24	61.6	61.8	61.7	—	—	—	—	—	—	—	—	—
	25	—	—	—	62.8	62.8	62.7	62.6	62.4	62.2	62.2	61.7	61.6
	26	64.3	64.2	64.2	64.2	—	63.6	63.4	63.1	63.0	62.9	62.7	62.6
	27	66.1	66.0	66.0	—	—	—	—	—	—	—	—	—
	28	—	—	—	66.8	66.8	67.0	67.0	67.2	67.0	66.6	66.2	66.0
	29	64.0	63.7	63.5	63.2	63.0	62.6	—	—	61.0	60.7	60.3	60.3
	30	61.8	61.8	61.8	61.8	62.0	62.0	62.0	62.0	61.8	61.7	61.8	62.0
	31	66.5	66.5	66.4	66.3	66.0	65.7	65.5	65.3	65.2	64.9	64.7	64.6
Hourly Means	63.90	63.77	63.58	63.58	63.41	63.21	63.01	62.72	62.66	62.35	62.18	62.08	

HORIZONTAL FORCE.

One Scale Division = '000229 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. 103.8	Sc. Div. 102.2	Sc. Div. 102.0	Sc. Div. 104.6	Sc. Div. 107.4	Sc. Div. 110.8	Sc. Div. 113.4	Sc. Div. 115.5	Sc. Div. 114.1	Sc. Div. 111.9	Sc. Div. 110.5	Sc. Div. 110.2	Sc. Div. 109.76
108.8	107.7	108.3	108.8	109.2	112.1	111.7	118.0	118.9	117.0	113.3	109.5	111.68
90.6	90.5	90.7	96.1	100.5	99.0	105.9	105.6	106.6	106.3	107.8	108.3	105.28
105.4	102.5	102.2	103.5	106.0	108.3	110.0	111.3	110.6	108.4	108.6	108.0	107.81
103.2	101.6	103.8	105.2	106.0	109.7	109.4	108.7	108.5	107.0	108.1	107.5	106.43
—	—	—	—	—	—	—	—	—	—	—	—	—
104.9	107.7	103.5	103.9	105.1	107.2	109.0	108.4	108.2	108.6	108.7	108.0	107.33
109.1	107.2	106.1	107.9	110.6	112.5	111.6	113.8	113.8	114.2	114.0	113.8	110.87
111.4	109.9	109.8	111.5	112.6	114.0	116.8	119.7	120.1	118.8	117.9	118.9	114.82
107.6	107.7	110.1	112.9	115.8	118.9	119.7	—	118.2	117.7	117.8	116.8	115.68
109.0	107.0	107.7	110.0	113.2	116.5	118.9	118.5	118.3	116.8	116.2	115.6	114.77
109.5	107.2	106.7	110.6	113.0	114.8	115.4	116.9	114.2	114.0	116.3	114.5	113.97
—	—	—	—	—	—	—	—	—	—	—	—	—
110.0	107.7	106.9	108.6	111.5	112.6	115.5	116.3	115.1	116.9	115.2	115.3	112.50
105.0	105.8	103.2	105.9	109.2	113.0	112.6	114.0	113.9	113.0	112.2	112.0	111.03
106.4	104.0	103.7	107.1	110.1	111.2	113.5	115.0	113.1	113.5	112.5	111.6	110.63
107.7	105.8	106.1	106.9	108.8	111.7	111.8	114.0	114.1	112.5	112.8	112.4	111.27
108.3	106.7	106.7	107.8	109.6	111.8	112.8	112.9	112.3	112.5	113.4	113.4	110.64
108.9	107.3	105.8	107.4	112.0	115.7	116.9	116.3	115.6	115.2	114.9	114.7	113.14
—	—	—	—	—	—	—	—	—	—	—	—	—
114.6	113.3	113.1	112.4	113.3	115.4	113.5	114.0	114.2	115.1	114.2	114.5	114.53
112.8	112.1	111.1	112.9	117.5	118.7	117.2	117.0	116.9	115.2	115.2	115.7	114.95
112.8	112.5	113.5	116.2	118.8	121.2	121.6	120.8	119.0	117.2	117.0	117.6	116.69
—	—	—	—	—	—	—	—	—	—	—	—	—
111.9	112.0	112.7	113.1	117.7	120.4	121.4	121.8	120.0	118.7	118.8	115.0	115.61
109.6	107.8	108.9	111.1	114.5	117.2	117.0	116.8	116.1	114.2	112.5	112.4	114.02
—	—	—	—	—	—	—	—	—	—	—	—	—
104.8	103.9	104.9	107.6	109.3	112.3	115.0	117.2	116.0	114.3	113.5	113.1	110.93
108.1	106.2	109.3	112.5	119.1	120.6	122.7	123.1	121.9	115.1	114.0	114.3	114.90
104.3	103.5	103.1	106.7	111.1	115.3	116.0	115.0	114.9	112.9	110.5	110.3	110.28
105.8	105.2	105.6	106.5	108.3	108.9	111.7	112.7	111.4	110.6	108.6	109.1	109.15
107.47	106.34	106.36	108.37	111.16	113.45	114.65	115.33	114.84	113.75	113.25	112.79	111.86

TEMPERATURE OF THE BIFILAR MAGNET.

64.7	64.6	64.6	64.6	64.6	65.0	65.0	65.2	65.2	65.4	65.4	65.2	65.26
62.2	62.2	62.2	62.6	62.8	63.0	63.5	63.7	64.1	64.4	64.4	64.5	63.23
62.6	63.0	63.1	64.1	65.0	65.3	65.6	65.8	66.2	66.4	66.5	66.3	64.27
64.2	64.2	64.5	64.5	64.4	64.5	64.6	64.8	65.0	65.0	65.2	65.0	64.86
65.8	66.0	66.2	66.4	66.8	67.0	67.5	67.7	67.8	67.8	67.8	67.8	66.14
—	—	—	—	—	—	—	—	—	—	—	—	—
68.0	68.3	68.5	68.8	68.8	68.8	68.6	68.4	68.2	68.2	68.0	67.6	68.17
62.8	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	62.8	62.5	63.87
58.4	58.5	58.5	58.7	59.0	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.66
57.8	58.0	58.0	58.6	58.8	59.0	59.2	—	59.8	60.0	60.0	60.2	58.94
59.8	59.8	60.0	60.2	60.5	60.7	61.0	61.1	61.2	61.2	61.2	61.1	60.33
59.8	60.0	60.2	60.8	61.4	61.7	62.2	62.4	62.4	62.5	62.4	62.4	61.00
—	—	—	—	—	—	—	—	—	—	—	—	—
60.2	60.3	60.3	60.8	61.1	61.3	62.0	62.4	62.7	63.0	63.0	63.0	61.34
60.4	60.4	60.7	61.4	62.4	63.1	63.5	64.0	64.3	64.4	64.5	64.5	62.23
62.0	62.0	62.1	62.5	63.0	63.5	63.8	64.0	64.2	64.2	64.2	64.0	63.17
62.7	63.0	63.3	63.8	64.4	64.7	65.2	65.5	65.7	66.0	66.2	66.0	63.96
62.2	62.2	62.2	62.7	63.1	63.2	63.3	63.3	63.4	63.3	63.3	63.3	63.70
62.0	62.1	62.2	62.4	62.7	63.1	63.2	63.4	63.4	63.4	63.5	63.4	62.67
—	—	—	—	—	—	—	—	—	—	—	—	—
61.5	61.7	62.0	62.7	63.0	63.4	63.6	64.0	64.0	64.0	64.0	64.1	62.85
60.8	60.4	60.5	61.1	61.2	61.4	61.6	61.8	62.0	62.0	62.0	62.0	61.77
59.8	59.8	59.8	60.2	60.3	60.5	60.6	60.8	61.2	61.6	61.7	61.8	60.89
—	—	—	—	—	—	—	—	—	—	—	—	—
61.4	61.4	61.5	61.8	62.2	62.5	63.0	63.5	64.0	64.2	64.3	64.5	62.52
62.2	62.7	63.0	63.5	64.0	64.0	64.6	65.0	65.4	65.8	66.0	66.0	63.93
—	—	—	—	—	—	—	—	—	—	—	—	—
66.2	66.1	66.0	65.8	65.5	65.3	65.0	65.0	64.8	64.8	64.7	64.2	65.92
60.0	59.8	59.8	59.8	60.0	60.1	60.4	60.8	61.1	61.2	61.5	61.7	61.30
62.0	62.3	62.8	63.3	63.8	64.3	64.8	65.3	65.7	66.2	66.3	66.4	63.15
64.9	65.3	66.2	67.3	68.1	68.8	69.3	69.8	70.0	70.2	70.2	70.2	66.99
62.09	62.19	62.35	62.75	63.07	63.32	63.60	64.00	64.01	64.30	64.18	64.13	63.16

VERTICAL FORCE.												
One Scale Division = '000058 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.												
Mean Göttingen Time. } JANUARY.	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	95.7	93.9	94.9	89.5	99.3	98.8	99.5	101.2	99.4	99.4	100.6	101.1
2	93.2	93.1	93.6	93.5	97.2	98.7	99.0	98.5	98.8	99.3	100.1	98.5
3	90.2	91.6	90.6	92.0	92.0	93.3	93.8	94.2	95.9	98.1	100.1	98.7
4	96.6	97.5	97.4	—	—	—	—	—	—	—	—	—
5	—	—	—	100.8	101.2	102.2	102.9	103.3	103.3	105.0	105.9	107.7
6	90.1	91.8	91.0	92.5	92.9	94.0	—	95.0	94.7	94.9	95.8	96.7
7	86.3	86.3	87.1	87.1	87.6	85.2	88.2	89.4	—	87.2	87.2	88.0
8	85.2	84.2	84.9	85.9	86.7	87.4	88.6	88.1	89.4	90.8	92.5	94.4
9	94.2	93.0	83.9	97.4	98.5	90.1	95.9	96.5	95.2	97.5	107.8	102.6
10	91.7	91.2	91.2	92.6	94.0	95.0	95.8	96.9	98.0	96.2	93.4	93.1
11	85.3	85.9	88.0	—	—	—	—	—	—	—	—	—
12	—	—	—	85.4	85.7	84.5	88.9	85.9	88.0	86.7	89.3	89.5
13	74.1	76.3	76.2	71.5	—	—	—	80.4	79.7	80.2	77.6	76.4
14	83.7	85.1	86.9	88.8	86.2	86.2	86.2	89.5	89.5	90.6	91.8	92.2
15	90.1	90.1	91.3	90.8	—	92.1	92.6	94.3	94.7	92.6	91.4	93.0
16	92.4	94.4	93.9	93.9	98.8	100.4	100.6	101.2	96.8	—	102.0	96.9
17	87.1	87.8	88.2	88.2	88.6	89.7	90.5	89.8	89.8	88.6	88.6	89.7
18	92.7	93.3	92.1	—	—	—	—	—	—	—	—	—
19	—	—	—	101.8	103.0	94.1	95.1	100.0	102.4	104.0	105.2	114.4
20	99.2	98.2	96.2	97.1	95.3	96.9	98.5	97.3	96.1	96.1	100.6	100.4
21	92.2	92.0	90.4	94.9	97.0	97.5	98.4	99.4	101.0	98.4	97.1	98.5
22	86.2	87.8	88.1	89.6	86.7	91.3	92.0	92.6	91.5	94.4	93.1	92.8
23	85.2	83.1	77.4	77.1	84.0	85.4	84.9	—	85.4	90.7	89.6	88.4
24	77.9	79.0	81.9	81.9	80.0	78.8	77.6	80.7	77.3	79.4	80.4	86.0
25	99.3	87.7	96.3	—	—	—	—	—	—	—	—	—
26	—	—	—	107.5	107.5	104.0	101.4	106.3	108.6	109.0	110.0	107.5
27	89.4	89.4	94.0	98.3	101.8	100.5	100.5	100.5	102.4	103.6	106.2	104.4
28	92.2	94.3	94.5	93.9	85.7	92.2	88.9	95.6	96.0	97.2	105.8	100.8
29	100.4	99.8	100.3	100.1	97.1	98.6	103.3	102.8	100.4	95.6	98.8	104.0
30	99.1	100.5	101.8	100.3	—	100.4	100.6	94.7	94.7	101.7	97.7	101.4
31	97.2	97.2	94.8	96.5	97.7	96.5	97.5	98.7	99.2	99.2	99.1	102.6
Hourly Means	90.63	90.54	90.63	88.48	93.52	93.61	94.45	95.11	94.93	95.32	96.95	97.03
TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
JANUARY.	1	2	3	4	5	6	7	8	9	10	11	12
1	63.2	63.0	62.6	62.4	62.2	61.8	61.5	61.0	60.6	60.0	59.8	59.8
2	63.7	63.3	63.1	62.8	62.4	62.4	62.4	62.0	61.8	61.4	61.0	61.2
3	64.8	64.4	64.6	64.6	64.2	63.8	63.4	63.0	62.5	62.1	61.7	61.2
4	61.8	61.6	61.3	—	—	—	—	—	—	—	—	—
5	—	—	—	60.0	59.8	59.4	59.0	59.0	58.8	58.4	58.2	58.2
6	64.0	64.0	63.8	63.6	63.4	62.8	—	62.0	62.0	61.8	61.6	61.7
7	65.4	65.4	65.2	65.0	64.8	64.8	64.7	64.7	—	64.6	64.8	65.0
8	67.3	67.1	66.7	66.5	66.2	65.8	65.4	65.4	65.0	64.6	64.2	64.0
9	63.6	63.2	62.8	62.8	62.2	61.5	61.0	60.6	60.3	60.0	60.0	60.2
10	63.8	63.8	63.5	63.3	62.8	62.6	62.2	61.8	61.4	61.4	61.4	61.2
11	66.0	65.7	65.4	—	—	—	—	—	—	—	—	—
12	—	—	—	66.5	66.4	66.0	65.6	65.4	65.0	64.8	64.8	65.0
13	72.0	71.6	71.4	71.0	—	—	—	69.6	69.4	69.4	69.8	70.0
14	68.6	68.4	67.7	67.0	66.2	66.0	65.8	65.4	65.2	65.2	65.0	64.5
15	66.4	66.4	66.0	65.6	—	65.0	64.5	64.2	63.6	63.3	63.2	63.1
16	62.5	62.2	61.6	61.4	60.9	60.5	60.0	59.3	59.0	—	58.8	59.0
17	64.0	64.2	64.2	64.2	64.2	64.0	64.0	64.2	64.0	64.0	63.6	63.3
18	64.0	63.6	63.6	—	—	—	—	—	—	—	—	—
19	—	—	—	58.0	57.9	57.6	57.3	57.0	56.6	56.4	56.4	56.6
20	60.7	60.6	60.5	60.5	60.2	60.4	60.4	60.6	60.0	60.0	59.5	59.8
21	63.3	63.2	63.0	62.4	62.0	61.5	61.0	60.5	60.2	59.8	59.7	59.6
22	64.7	64.5	64.2	64.0	63.8	63.4	62.8	62.5	62.2	62.2	62.0	62.2
23	67.4	67.2	67.5	67.2	66.8	66.4	66.0	—	65.0	65.1	64.8	65.0
24	69.4	69.4	69.2	69.4	69.0	68.8	68.5	68.3	68.0	67.8	67.6	67.6
25	65.5	65.2	64.9	—	—	—	—	—	—	—	—	—
26	—	—	—	60.6	60.6	60.0	59.6	59.8	59.2	59.0	58.7	59.0
27	63.4	63.0	63.0	62.6	62.4	62.2	61.8	61.5	61.1	60.8	60.6	60.6
28	64.6	64.4	64.0	63.8	63.4	63.0	62.8	62.2	61.8	61.4	61.2	61.0
29	64.0	63.8	63.5	63.2	63.0	62.8	62.4	62.6	62.3	62.0	61.8	62.0
30	62.1	61.9	61.6	61.4	—	61.0	60.8	60.5	60.4	60.2	60.2	60.0
31	64.0	64.2	64.2	64.2	63.9	63.8	63.5	63.3	62.8	62.4	62.0	61.8
Hourly Means	64.83	64.64	64.41	63.85	63.28	62.97	62.66	62.55	62.24	62.23	61.94	61.95

VERTICAL FORCE.

One Scale Division = '000058 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 103'5	Sc. Div. 104'4	—	Sc. Div. 102'3	Sc. Div. 94'7	Sc. Div. 95'3	Sc. Div. 94'0	Sc. Div. 90'4	Sc. Div. 95'4	Sc. Div. 94'6	Sc. Div. 93'1	Sc. Div. 93'6	Sc. Div. 97'16
99'1	101'2	102'8	101'9	98'3	97'8	94'9	92'1	89'8	89'8	89'8	93'2	92'26
102'9	102'2	98'7	100'0	99'3	100'0	99'4	99'4	98'0	96'4	97'2	96'7	96'70
—	—	—	—	—	—	—	—	—	—	—	—	98'21
104'4	101'3	96'1	96'3	98'2	96'4	93'3	89'7	88'5	89'7	89'7	89'7	91'53
98'0	97'8	98'3	94'5	92'1	87'2	84'5	84'5	85'3	84'0	84'0	85'6	86'44
90'2	91'9	91'2	87'6	83'6	84'1	83'6	81'8	81'8	83'9	84'2	84'7	90'33
96'9	97'7	95'5	95'5	95'0	91'8	90'9	90'9	88'9	88'9	88'9	88'9	92'72
97'6	97'5	88'5	93'5	87'5	88'1	86'3	85'2	86'1	86'1	87'6	88'7	91'88
97'2	100'5	99'5	94'9	93'3	91'3	84'2	80'7	82'6	84'1	83'5	84'2	84'34
—	—	—	—	—	—	—	—	—	—	—	—	76'39
90'1	91'8	89'9	86'0	82'9	82'9	74'7	75'1	75'1	78'9	78'9	74'9	88'05
76'8	78'5	78'0	74'4	75'5	75'6	73'2	72'9	74'9	75'8	79'5	76'7	92'50
92'2	92'2	92'4	91'7	90'8	88'9	87'4	85'9	85'9	83'4	83'4	82'4	95'82
93'9	92'6	92'6	—	94'4	94'4	93'9	93'9	91'6	91'2	91'2	92'1	89'55
97'2	99'0	100'0	98'7	97'2	95'2	93'7	97'2	92'7	87'7	86'8	87'1	103'35
89'7	91'7	93'3	92'6	91'1	89'2	89'2	89'2	88'6	88'6	88'4	91'1	96'48
—	—	—	—	—	—	—	—	—	—	—	—	94'06
111'6	115'4	112'1	112'1	110'2	110'7	103'3	102'6	102'3	98'9	96'9	96'3	89'46
96'0	97'1	97'3	100'2	—	93'3	97'8	92'4	92'4	96'7	92'1	91'8	84'76
99'6	99'6	100'8	99'8	95'1	90'0	87'5	85'6	85'6	85'6	86'1	85'4	86'98
100'4	94'6	93'7	93'3	87'7	87'2	87'2	86'7	81'5	83'4	83'4	82'3	103'70
92'2	90'9	88'5	97'3	91'9	81'0	77'2	79'2	79'2	80'2	82'2	78'4	98'35
88'3	91'4	90'7	89'0	94'2	94'2	94'7	97'2	99'0	96'4	98'3	93'2	97'29
—	—	—	—	—	—	—	—	—	—	—	—	100'63
109'0	109'0	110'3	110'0	103'7	100'0	100'0	101'7	101'7	99'4	101'3	97'6	100'42
103'4	103'7	104'6	103'7	—	97'4	95'1	93'3	91'5	91'5	93'0	93'8	99'60
102'2	101'6	104'9	102'3	98'4	95'0	96'8	98'0	98'0	105'6	95'4	99'7	93'37
103'5	103'5	104'4	104'9	104'3	103'9	101'0	99'9	98'7	95'2	96'8	97'6	—
104'6	108'0	109'2	107'0	104'0	102'4	100'2	96'7	96'6	97'2	98'0	93'9	—
103'6	104'4	106'2	105'5	104'7	102'1	101'3	99'5	96'5	96'5	96'8	97'2	—
97'93	98'50	97'67	97'50	94'72	93'16	91'31	90'43	89'93	89'99	89'87	89'51	93'37

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

59'8	59'8	—	60'8	61'0	61'8	62'8	63'2	63'5	63'7	63'8	63'7	61'82
61'5	61'5	61'8	62'2	62'6	63'0	63'4	64'0	64'4	64'8	64'8	64'8	62'76
61'2	60'8	60'6	60'7	61'2	61'2	61'2	61'6	61'8	62'0	62'0	62'0	62'36
—	—	—	—	—	—	—	—	—	—	—	—	60'74
58'4	59'0	59'5	60'4	61'0	61'8	62'6	63'4	63'8	64'0	64'2	64'2	63'62
61'8	62'0	62'3	62'7	64'0	65'0	65'5	65'8	66'0	66'0	66'0	65'5	65'91
65'2	65'3	65'5	66'0	66'5	66'8	67'2	67'5	67'8	68'0	68'0	67'7	64'85
64'5	64'6	64'2	63'8	63'8	63'8	63'8	64'0	64'0	64'0	64'0	63'8	61'97
60'4	60'8	61'0	61'3	62'2	62'6	62'8	63'2	63'4	63'5	63'8	64'0	63'39
61'2	61'5	62'0	63'0	63'8	64'5	65'2	66'0	66'2	66'2	66'3	66'2	67'45
—	—	—	—	—	—	—	—	—	—	—	—	70'70
65'3	65'8	66'7	67'2	68'4	69'4	70'5	71'2	71'6	72'0	72'2	72'0	65'68
70'0	70'2	70'8	71'3	71'9	72'0	71'9	71'7	71'2	70'4	69'9	69'1	64'19
63'6	63'5	63'5	64'0	64'4	65'0	65'6	66'0	66'2	66'4	66'6	66'6	60'86
63'2	63'5	64'0	—	64'5	64'5	64'2	63'8	63'5	63'4	63'2	63'0	64'08
58'8	59'2	59'2	59'8	60'2	60'7	61'2	62'0	62'6	63'2	63'6	64'0	58'78
63'5	63'6	63'6	63'8	64'0	64'2	64'6	64'6	64'6	64'6	64'6	64'4	61'12
—	—	—	—	—	—	—	—	—	—	—	—	62'06
57'0	56'8	57'0	57'5	58'1	58'7	59'2	59'7	60'1	60'4	60'6	60'7	64'30
59'8	60'2	60'4	61'0	—	62'2	62'6	63'0	63'2	63'4	63'3	63'4	67'02
59'8	60'0	60'4	60'8	62'4	63'2	64'0	64'0	64'4	64'7	64'7	64'8	67'65
62'2	62'4	63'0	63'4	65'0	66'0	66'2	66'8	67'1	67'4	67'4	67'6	61'24
65'0	65'2	65'7	66'5	67'4	68'0	68'4	68'8	69'4	69'4	69'6	69'6	62'57
67'5	66'8	66'5	66'8	66'9	67'0	66'8	66'6	66'6	66'6	66'4	66'0	62'68
—	—	—	—	—	—	—	—	—	—	—	—	62'46
59'0	59'2	59'8	60'3	60'5	60'8	62'2	62'6	63'0	63'4	63'4	63'4	61'46
60'8	61'0	61'3	62'0	—	63'2	64'0	64'5	64'6	64'8	65'0	65'0	62'60
60'8	61'3	61'2	62'0	62'2	62'5	63'0	63'4	63'5	63'6	63'6	63'6	63'46
62'0	61'5	61'5	61'8	61'9	62'2	62'3	62'4	62'6	62'7	62'5	62'2	61'82
59'8	60'0	60'0	60'7	61'2	61'8	62'5	63'0	63'2	63'5	63'7	64'0	62'60
61'5	61'2	61'5	61'5	61'8	61'8	62'0	62'0	62'2	62'4	62'2	62'0	—
61'99	62'10	62'42	62'74	63'48	63'84	64'28	64'62	64'83	64'98	65'01	64'94	63'46

VERTICAL FORCE.													
One Scale Division = '000058 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°, = '00021.													
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
FEBRUARY.	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	98·6	100·5	100·5	—	—	—	—	—	—	—	—	
	2	—	—	—	99·2	100·5	103·1	104·4	105·4	105·3	104·7	106·0	106·3
	3	96·0	98·8	99·3	99·3	99·8	100·1	100·4	101·2	101·2	102·1	102·2	102·0
	4	94·4	95·1	97·3	93·2	95·0	97·3	97·3	98·2	98·2	97·7	98·2	100·7
	5	88·6	89·7	88·1	87·2	83·5	83·8	80·1	89·8	89·9	90·1	91·4	93·3
	6	86·7	86·3	86·9	86·9	85·5	86·0	86·9	86·7	87·4	88·5	89·1	91·4
	7	87·7	88·1	89·0	90·1	91·2	92·0	93·9	95·5	96·4	96·8	98·1	98·0
	8	91·9	93·5	94·2	—	—	—	—	—	—	—	—	—
	9	—	—	—	98·7	96·2	101·8	100·3	101·0	101·0	101·1	101·1	101·9
	10	98·9	103·5	103·8	106·1	—	105·0	105·9	105·5	105·5	105·5	105·1	106·2
	11	106·7	107·8	108·3	108·3	108·8	108·8	108·8	109·7	108·3	105·3	105·4	107·5
	12	97·8	97·8	105·2	104·0	—	—	105·0	104·9	104·9	105·0	103·8	103·0
	13	99·1	99·8	96·2	101·1	98·8	100·0	99·3	103·2	104·6	104·4	104·4	106·7
	14	96·5	97·5	97·9	99·3	—	101·8	102·8	103·1	—	103·9	104·2	104·2
	15	97·9	99·4	98·9	—	—	—	—	—	—	—	—	—
	16	—	—	—	98·2	102·9	102·9	103·1	103·8	102·0	102·0	102·1	103·2
	17	95·0	95·3	95·9	96·6	96·6	97·3	103·7	98·4	103·3	102·2	101·9	103·2
	18	90·7	91·8	92·9	94·0	94·0	95·1	95·0	95·0	95·9	96·5	97·1	97·4
	19	98·4	98·8	99·1	99·9	100·0	100·4	101·5	101·9	101·7	101·2	101·2	102·6
	20	91·7	93·9	95·0	96·2	97·9	95·4	95·6	95·8	96·3	95·0	98·0	98·3
	21	93·9	98·3	100·0	99·4	98·1	101·1	104·3	98·3	98·6	—	102·2	103·8
	22	100·6	99·1	100·2	—	—	—	—	—	—	—	—	—
	23	—	—	—	96·2	100·8	100·8	96·0	94·0	96·6	98·3	101·1	108·6
	24	93·8	88·2	88·2	89·6	87·6	89·5	89·9	95·7	93·7	93·7	93·2	94·5
	25	96·3	95·2	80·8	86·0	93·7	95·7	96·8	97·2	—	94·3	96·4	97·0
	26	98·7	88·2	94·6	99·2	99·0	97·6	98·1	101·3	100·5	99·9	103·7	104·0
	27	95·5	92·3	92·7	94·7	—	99·8	99·2	99·7	99·7	99·7	96·3	95·0
28	91·5	95·8	91·7	93·7	98·0	98·0	97·0	93·6	95·9	98·2	100·6	97·1	
Hourly Means	95·29	95·19	95·69	96·54	96·39	97·97	98·55	99·12	99·40	99·39	100·12	101·09	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
FEBRUARY.	°	°	°	°	°	°	°	°	°	°	°	°	
	1	61·6	61·3	61·0	—	—	—	—	—	—	—	—	
	2	—	—	—	60·0	59·8	59·5	59·2	59·0	58·6	58·3	58·0	57·8
	3	61·2	61·2	61·0	60·8	60·7	60·6	60·3	60·2	60·2	60·0	60·0	60·0
	4	63·9	63·8	63·5	63·3	63·0	62·8	62·5	62·2	61·8	61·5	61·3	61·2
	5	66·7	66·7	66·5	66·2	66·0	65·8	65·5	65·6	65·0	64·7	64·5	64·5
	6	69·8	69·5	69·3	69·0	68·8	68·7	68·3	68·1	67·8	67·5	67·2	67·2
	7	67·3	66·9	66·3	65·9	65·5	64·8	64·2	63·8	63·5	62·8	62·5	62·3
	8	64·3	64·2	64·2	—	—	—	—	—	—	—	—	—
	9	—	—	—	60·8	60·6	60·3	60·0	59·8	59·5	59·2	58·8	59·0
	10	58·4	58·3	58·2	58·2	—	57·5	57·5	57·7	57·5	57·4	57·2	57·2
	11	57·0	57·8	57·8	57·7	57·7	57·5	57·4	57·4	57·5	57·5	57·5	57·5
	12	60·0	60·0	60·0	59·8	—	—	59·2	59·1	59·2	58·8	58·5	58·5
	13	60·4	60·3	60·1	59·9	59·6	59·2	59·0	58·8	58·8	58·6	58·2	57·8
	14	61·3	61·1	60·8	60·3	—	59·5	59·4	59·2	—	58·4	58·2	58·2
	15	60·4	60·3	60·2	—	—	—	—	—	—	—	—	—
	16	—	—	—	59·8	59·8	59·6	59·4	59·4	59·2	59·0	58·8	58·8
	17	61·7	61·6	61·3	61·0	60·5	60·2	60·0	59·8	59·3	59·0	58·8	58·8
	18	63·9	63·8	63·7	63·7	63·6	63·4	63·1	63·0	62·5	62·0	62·2	62·0
	19	60·0	59·8	59·7	59·6	59·5	59·2	59·0	58·8	58·9	58·8	58·7	58·7
	20	62·2	62·2	62·2	62·2	62·3	62·3	62·3	62·3	62·2	62·2	62·2	62·2
	21	61·5	61·2	60·8	60·5	60·2	60·0	59·8	59·5	59·2	—	58·8	58·5
	22	60·8	60·7	60·8	—	—	—	—	—	—	—	—	—
	23	—	—	—	62·2	61·8	61·8	61·5	61·3	60·9	60·6	60·3	60·3
	24	65·0	65·0	64·8	64·7	64·4	64·2	63·9	63·7	63·0	62·6	62·2	62·2
	25	63·8	63·7	63·6	63·3	63·5	63·3	62·8	62·3	—	61·6	61·0	61·0
	26	62·2	62·0	61·5	61·2	60·9	60·7	60·5	60·3	60·2	60·1	60·0	60·0
	27	63·0	62·8	62·6	62·5	—	61·9	61·8	61·5	61·2	60·7	60·7	61·0
28	63·8	63·7	63·4	63·2	63·0	62·8	62·4	62·2	62·0	61·8	61·4	61·3	
Hourly Means	62·51	62·41	62·22	61·91	62·06	61·55	61·21	61·04	60·82	60·57	60·30	60·25	

VERTICAL FORCE.												
One Scale Division = '000058 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah' = '00021.												
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.
—	—	—	—	—	—	—	—	—	—	—	—	102°91
109·7	108·8	109·7	107·5	105·9	102·1	102·1	100·4	98·4	96·8	96·8	97·2	102°91
103·1	103·1	103·7	103·1	103·1	94·1	91·6	91·4	91·7	91·7	93·0	94·0	98°58
103·0	105·1	104·0	101·0	98·1	94·4	92·0	89·5	87·6	86·7	87·9	87·5	95°81
95·8	100·0	100·0	93·7	90·7	84·8	83·2	88·0	80·8	82·1	85·4	90·9	88°79
93·0	94·4	94·4	94·4	93·3	92·0	88·2	83·6	82·9	82·6	84·9	86·9	88°29
99·6	101·4	101·7	101·8	100·7	97·0	93·5	92·0	90·6	90·2	91·1	92·5	94°54
—	—	—	—	—	—	—	—	—	—	—	—	101°86
104·6	109·9	114·3	111·6	104·5	103·9	106·0	101·2	101·4	99·4	102·3	102·9	101°86
108·7	111·7	114·9	112·4	108·8	105·7	105·7	103·8	103·8	104·1	103·8	103·8	106°01
108·7	111·4	111·8	109·5	108·5	105·9	103·0	101·2	101·2	98·4	100·5	100·5	106°43
104·4	107·4	111·4	109·4	107·6	105·5	105·3	103·5	99·8	99·8	99·8	98·9	99°31
107·4	107·6	108·0	106·2	103·1	101·0	100·2	99·6	—	99·0	97·8	93·8	101°80
104·9	106·2	109·1	107·8	107·7	105·2	103·4	99·6	97·3	96·9	96·9	96·9	101°96
—	—	—	—	—	—	—	—	—	—	—	—	100°81
104·7	105·9	106·7	104·6	102·8	101·0	100·9	99·1	96·4	93·9	93·2	93·8	100°81
104·0	104·2	103·5	100·0	99·2	96·7	93·8	93·1	92·1	89·6	90·6	90·2	97°77
98·5	101·2	101·3	103·0	102·6	102·6	101·0	98·8	98·1	98·1	98·1	97·6	97°34
104·7	108·2	109·0	106·3	103·4	101·7	98·7	95·7	95·7	95·2	94·0	92·9	100°51
97·4	102·1	99·7	100·6	102·3	105·0	101·9	98·7	97·0	101·4	100·1	96·3	97°98
106·6	109·5	108·6	108·4	107·5	105·1	101·3	103·2	99·8	97·4	100·4	101·6	102°06
—	—	—	—	—	—	—	—	—	—	—	—	98°97
105·7	100·0	101·0	99·9	101·4	104·0	97·4	97·5	100·3	95·2	90·3	90·3	98°97
96·9	103·4	101·9	102·0	97·8	98·8	101·1	100·4	86·7	97·1	90·9	94·2	94°53
105·4	102·3	106·4	105·4	102·5	101·6	102·2	101·6	102·2	100·0	89·2	99·3	97°72
104·0	101·5	102·5	103·0	102·1	99·0	96·7	97·3	95·2	95·2	95·8	95·1	98°84
96·8	98·8	104·2	103·3	98·9	94·2	92·6	92·6	92·6	91·9	90·6	90·6	96°16
96·4	100·0	103·2	97·0	93·5	93·5	92·3	91·2	92·4	92·7	92·5	91·4	94°88
102°67	104°34	105°46	103°83	101°92	99°78	98°08	96°79	94°96	94°81	94°41	94°96	98°63

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

°	°	°	°	°	°	°	°	°	°	°	°	°
—	—	—	—	—	—	—	—	—	—	—	—	59°40
57·5	57·5	57·5	58·2	58·7	59·0	59·5	60·2	60·5	60·8	61·0	61·2	59°40
60·0	60·2	60·4	61·0	61·5	62·2	62·8	63·1	63·6	63·8	63·9	64·0	61°36
61·3	61·3	61·6	62·0	62·6	63·2	64·0	64·8	65·5	66·2	66·4	66·7	63°18
64·5	65·2	65·8	66·6	67·3	68·0	68·6	69·3	69·5	69·6	69·8	69·9	66°74
67·0	66·9	66·6	66·5	66·7	66·9	67·2	67·5	67·7	68·0	68·0	67·6	67°82
62·4	62·7	62·8	63·0	63·2	63·7	64·0	64·2	64·5	64·5	64·5	64·6	64°16
—	—	—	—	—	—	—	—	—	—	—	—	59°76
59·0	58·6	58·5	58·4	58·5	58·6	58·6	58·7	58·6	58·7	58·7	58·6	59°76
57·0	57·0	56·9	56·9	56·8	57·0	57·0	57·0	57·0	57·2	57·2	57·2	57°36
57·6	57·8	58·0	58·8	59·2	59·6	59·7	59·8	60·0	60·0	60·0	60·2	58°37
58·5	58·5	58·6	58·8	59·0	59·2	59·4	59·7	60·0	60·2	60·3	60·4	59°35
57·7	57·8	58·0	58·4	59·0	59·5	60·0	60·6	—	61·0	61·2	61·4	59°36
58·3	58·2	58·7	58·8	59·0	59·2	59·7	60·0	60·4	60·5	60·5	60·6	59°56
—	—	—	—	—	—	—	—	—	—	—	—	59°92
58·7	58·8	58·9	59·0	59·5	60·0	60·7	61·0	61·4	61·7	61·8	61·8	59°92
58·8	59·0	59·5	60·5	61·0	61·8	62·6	63·2	63·4	63·7	63·9	63·9	60°97
61·3	61·1	60·9	60·7	60·6	60·5	60·2	60·2	60·2	60·4	60·4	60·4	61°82
58·7	58·7	59·0	59·4	59·6	60·0	60·5	60·8	61·3	61·5	61·7	61·8	59°74
62·0	62·0	61·7	61·8	61·8	62·2	62·2	62·4	62·2	62·2	62·0	61·7	62°12
58·5	58·4	58·5	58·7	59·0	59·5	59·8	60·1	60·3	60·5	60·8	60·7	59°77
—	—	—	—	—	—	—	—	—	—	—	—	61°88
60·4	60·8	61·2	62·1	62·5	62·7	63·0	63·4	63·6	64·0	64·2	64·2	61°88
62·3	62·2	62·3	62·5	62·9	63·0	63·2	63·5	63·8	64·0	64·0	64·0	63°47
60·8	60·8	60·8	60·8	61·0	61·2	61·3	61·5	61·8	62·0	62·0	62·3	62°01
59·8	60·0	60·2	60·6	61·0	61·5	62·0	62·2	62·7	63·0	63·0	63·0	61°20
61·0	61·0	61·5	61·5	61·8	62·2	62·5	62·8	63·3	63·8	63·8	63·8	62°12
61·2	61·2	62·0	62·2	62·6	63·1	63·3	63·8	64·0	64·1	64·0	63·9	62°77
60°18	60°24	60°41	60°72	61°03	61°41	61°74	62°07	62°40	62°56	62°63	62°66	61°42

VERTICAL FORCE.													
One Scale Division = '000058 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah. = '00021.													
Mean Götting- gen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
MARCH.	1	93'0	93'8	94'2	—	—	—	—	—	—	—	—	
	2	—	—	—	92'5	92'5	92'8	93'8	93'7	94'0	94'0	94'2	
	3	80'1	80'5	81'9	83'6	82'9	83'7	—	85'0	87'9	90'6	87'0	88'2
	4	77'1	75'4	75'4	76'7	78'9	79'9	79'9	81'0	82'6	83'8	85'6	88'2
	5	93'0	a—	a—	a—	a—	99'3	100'1	100'8	100'8	a—	104'3	103'8
	6	99'3	100'8	101'8	103'1	104'0	104'0	105'0	106'5	—	a—	106'6	107'0
	7	97'5	99'1	98'7	101'1	101'6	101'6	103'0	101'2	—	—	98'1	102'8
	8	89'7	89'5	90'0	—	—	—	—	—	—	—	—	—
	9	—	—	—	97'4	95'7	93'9	92'4	90'9	96'6	96'9	96'3	96'3
	10	95'5	98'3	94'5	93'3	97'7	96'9	99'1	99'3	100'3	100'7	101'9	102'0
	11	92'8	94'0	94'7	94'3	96'0	96'5	97'1	97'1	97'2	97'5	98'9	98'1
	12	83'4	84'7	85'7	87'0	88'4	89'5	90'5	88'0	90'9	b—	b—	93'1
	13	100'6	100'6	100'6	99'0	—	99'5	99'1	99'1	99'3	99'8	98'8	98'7
	14	91'1	91'1	92'9	93'8	94'4	92'8	93'8	95'7	91'7	95'2	94'4	93'6
	15	84'1	84'0	81'3	—	—	—	—	—	—	—	—	—
	16	—	—	—	86'3	93'9	95'4	96'3	98'1	94'3	95'4	97'1	100'7
	17	93'8	90'5	94'9	93'1	96'0	93'7	95'1	95'0	95'6	95'6	94'9	98'7
	18	92'5	92'3	93'1	93'1	—	91'2	92'7	92'7	93'8	95'1	96'3	96'3
	19	94'4	95'6	95'6	95'6	—	—	—	—	—	95'4	94'9	96'7
	20	95'9	98'9	96'3	c—	—	—	—	—	—	—	—	—
	21	—	—	—	105'1	104'2	106'3	106'9	106'9	107'9	109'0	111'5	108'8
	22	102'8	103'5	102'5	—	—	—	—	—	—	—	—	—
	23	—	—	—	102'0	92'9	102'2	102'7	101'5	102'4	102'4	103'9	103'5
	24	99'7	83'2	99'9	98'9	98'6	98'6	97'6	96'5	92'3	91'0	95'7	97'1
	25	91'7	96'5	96'5	96'6	97'0	96'8	94'0	98'9	98'1	b—	98'6	99'6
	26	102'0	101'4	93'1	100'8	102'8	102'0	102'9	100'9	102'8	102'8	102'7	105'2
	27	94'1	96'0	85'8	95'7	97'0	94'7	91'7	99'4	97'0	101'0	95'7	97'7
	28	95'6	98'0	95'8	98'9	99'6	99'8	99'2	99'2	99'2	100'4	105'2	102'4
	29	101'2	98'8	93'1	—	—	—	—	—	—	—	—	—
	30	—	—	—	97'0	97'0	96'3	96'1	96'9	98'2	98'2	99'3	99'3
	31	98'9	98'9	102'7	102'7	102'7	102'7	103'2	105'5	104'8	103'1	a—	105'1
Hourly Means	93'59	93'56	93'37	95'32	95'90	96'25	97'05	97'07	96'71	97'40	98'34	99'10	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
MARCH.	1	63'7	63'6	63'2	o	o	o	o	o	o	o	o	
	2	—	—	—	64'3	64'3	64'2	64'1	64'1	63'7	63'5	63'5	63'8
	3	70'0	69'7	69'5	69'0	68'5	68'0	—	67'2	67'0	66'5	66'2	66'0
	4	71'7	71'7	71'5	71'5	71'5	71'0	70'5	70'2	69'3	68'8	68'2	67'7
	5	63'7	—	—	—	—	61'4	61'0	60'3	60'0	—	59'0	59'0
	6	60'0	59'7	59'4	59'0	58'6	58'0	57'4	56'8	—	—	56'2	56'0
	7	60'4	60'2	60'0	59'7	59'5	59'3	59'0	58'9	—	—	58'2	58'5
	8	65'2	65'2	65'2	—	—	—	—	—	—	—	—	—
	9	—	—	—	63'2	63'2	62'8	62'3	62'3	62'0	61'2	60'8	60'8
	10	63'0	62'6	62'2	61'5	61'3	60'9	60'5	60'2	59'9	59'4	59'0	59'0
	11	63'2	62'9	62'7	62'3	62'0	61'8	61'2	60'9	60'5	60'3	60'2	60'2
	12	67'4	67'5	67'0	66'8	66'0	65'4	65'0	64'4	63'9	—	—	62'2
	13	60'4	60'4	60'2	60'0	—	59'9	59'7	59'6	59'5	59'2	59'1	59'2
	14	64'5	64'5	64'2	63'8	63'4	63'2	62'9	62'7	62'4	62'0	62'0	61'8
	15	67'0	67'0	66'9	—	—	—	—	—	—	—	—	—
	16	—	—	—	61'0	60'8	60'6	60'4	60'2	60'0	59'8	59'7	59'6
	17	62'2	62'0	61'8	61'8	61'7	61'6	61'5	61'3	61'0	61'0	60'8	60'8
	18	61'7	61'7	61'5	61'4	—	61'2	61'0	61'0	60'8	60'8	60'8	61'0
	19	60'6	60'4	60'2	60'0	—	—	—	—	—	58'5	58'2	58'2
	20	61'3	61'2	61'0	—	—	—	—	—	—	—	—	—
	21	—	—	—	55'6	55'2	54'8	54'6	54'8	54'5	54'2	54'2	54'2
	22	56'4	56'2	56'5	—	—	—	—	—	—	—	—	—
	23	—	—	—	56'9	56'8	56'8	56'2	56'2	56'4	56'0	55'4	55'2
	24	59'3	59'2	59'2	58'9	58'7	58'5	58'2	58'0	57'5	57'4	57'0	57'0
	25	60'6	60'5	60'2	59'6	59'3	59'0	58'8	58'6	57'9	—	57'2	57'0
	26	59'6	59'6	59'3	59'0	58'8	58'8	58'4	58'3	58'0	57'5	57'3	57'5
	27	61'7	61'6	61'5	61'4	61'2	61'2	61'0	60'5	60'5	60'3	59'9	59'6
	28	60'6	60'5	60'4	60'4	60'2	60'0	59'8	59'6	59'2	58'9	58'7	58'4
	29	59'7	59'7	59'7	—	—	—	—	—	—	—	—	—
	30	—	—	—	60'6	60'5	60'2	60'0	59'8	59'6	59'3	59'2	59'2
	31	58'8	58'8	58'6	58'4	58'0	57'8	57'3	57'0	56'6	56'2	—	55'6
Hourly Means	62'51	62'35	62'16	61'50	61'40	61'10	60'47	60'54	60'46	60'04	59'60	59'50	

^a Unusual vibrations.

^b Vibrating.

^c Good Friday.

VERTICAL FORCE.

One Scale Division = '000058 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah° = '00021.

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.
95'6	96'9	94'4	94'4	92'9	88'2	84'3	83'3	82'0	80'5	78'3	77'1	90'45
89'1	88'7	89'8	86'6	86'0	82'1	80'8	78'5	77'1	78'9	76'6	76'4	83'70
90'2	91'7	92'6	90'7	90'2	91'1	91'9	91'9	91'9	91'8	91'8	91'8	85'92
104'6	105'7	102'9	100'3	100'1	101'1	101'4	101'3	100'1	98'7	98'4	98'8	100'82
108'8	110'9	110'8	111'0	107'6	104'1	102'0	100'8	98'4	97'5	96'6	96'2	103'76
102'5	104'2	103'3	100'7	97'4	92'4	91'7	91'7	91'2	89'2	87'8	89'3	97'55
100'3	99'7	100'9	100'8	100'0	93'4	94'1	94'1	94'1	93'5	94'1	92'5	95'13
104'2	104'0	104'0	102'0	100'2	96'9	93'4	92'9	92'9	91'4	91'4	92'1	97'70
100'9	100'0	100'3	96'2	93'6	91'6	89'6	86'6	84'6	83'1	81'7	81'7	93'50
94'9	97'9	100'4	98'3	98'1	98'9	97'1	97'1	98'3	99'0	98'6	99'4	93'60
99'4	99'2	98'6	97'8	95'4	95'8	90'6	88'5	97'2	97'9	99'3	91'5	97'67
96'2	96'2	93'5	94'5	92'6	90'0	89'1	87'3	83'6	82'3	79'1	82'2	91'13
105'5	106'5	100'0	95'0	95'0	96'3	95'2	93'9	93'9	93'9	87'8	91'4	94'22
99'6	95'0	94'4	96'2	96'7	95'9	96'4	93'5	94'6	94'3	92'9	89'0	94'81
92'9	94'0	94'1	94'7	97'7	98'2	98'6	97'0	97'0	95'1	94'1	93'5	94'57
96'7	102'2	104'6	100'8	103'2	100'0	100'5	99'9	96'8	95'3	89'3	86'8	97'07
108'8	109'3	109'3	111'2	113'0	110'1	106'5	108'4	105'3	102'8	103'3	102'8	106'19
106'7	105'4	111'3	106'0	102'7	104'1	99'5	96'4	95'9	97'3	98'1	95'3	101'71
101'2	110'1	104'6	99'0	98'2	97'2	97'2	96'0	95'3	93'6	93'6	92'4	96'98
100'7	104'7	103'0	104'3	101'8	103'3	102'3	103'1	103'4	104'6	103'6	91'0	99'57
104'4	104'4	102'4	106'4	100'2	100'0	101'5	95'5	95'1	94'1	93'9	95'1	100'52
100'0	101'1	100'9	100'7	99'1	99'5	99'5	98'2	96'6	96'2	95'0	95'6	97'01
100'0	101'3	102'9	102'1	101'8	102'6	102'6	101'8	101'8	100'5	104'8	100'6	100'67
100'0	101'2	101'2	101'2	102'4	102'0	101'1	101'0	101'0	99'1	98'2	98'2	99'08
106'8	106'7	104'2	104'2	104'4	104'4	105'2	105'2	101'4	100'0	100'0	100'0	103'16
100'40	101'48	100'98	99'92	98'81	98'37	96'48	95'36	94'78	94'02	93'13	92'03	96'61

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

64'0	64'6	65'2	66'0	66'8	67'7	68'2	69'0	69'7	70'0	70'2	70'2	65'73
65'7	66'1	66'7	67'5	68'3	69'4	70'3	71'0	71'3	71'5	71'6	71'7	68'64
67'0	66'8	66'4	66'4	66'2	66'0	65'8	65'5	65'3	65'1	64'7	64'0	68'03
58'9	58'7	58'7	59'0	59'3	59'7	60'0	60'2	60'3	60'3	60'2	60'1	59'99
56'2	56'3	56'5	57'0	57'5	58'0	58'7	59'2	59'7	59'8	60'0	60'2	58'12
58'5	58'6	59'0	59'5	60'0	61'2	62'0	63'0	63'8	64'2	64'5	64'8	60'58
60'8	60'8	61'1	61'3	61'7	62'5	62'3	62'5	62'7	62'8	62'8	62'7	62'42
59'2	59'3	59'6	60'5	61'1	61'6	62'2	62'6	63'0	63'2	63'3	63'2	61'18
60'2	60'3	60'6	61'0	62'0	62'6	64'0	65'0	65'6	66'4	66'8	67'0	62'49
62'2	61'8	61'5	61'3	61'2	61'2	61'0	61'2	61'2	61'0	60'8	60'6	63'21
59'2	59'7	60'3	61'0	61'7	62'0	63'0	63'4	63'9	64'2	64'3	64'5	61'06
61'8	61'8	62'2	63'0	63'7	64'3	65'1	65'6	66'2	66'7	66'9	67'0	63'82
59'5	59'8	60'0	60'6	61'0	61'3	61'6	61'8	62'0	62'2	62'2	62'2	61'55
60'7	60'8	60'8	61'0	61'0	61'2	61'3	61'4	61'7	61'8	61'9	61'8	61'37
61'0	60'8	60'8	60'8	60'8	60'8	60'8	61'0	60'8	61'0	61'0	60'8	61'01
58'4	58'8	59'0	59'5	59'5	59'7	60'2	60'5	60'5	61'0	61'2	61'2	59'77
54'2	54'2	54'2	54'5	54'8	55'0	55'2	55'4	55'6	55'8	56'0	56'0	55'69
55'2	55'2	56'0	56'4	56'7	57'2	57'8	58'5	58'9	59'2	59'3	59'3	56'86
56'9	57'0	57'9	58'2	58'7	59'2	59'7	59'7	60'0	60'4	60'3	60'2	58'63
57'0	57'2	57'2	58'0	58'4	58'5	59'0	59'2	59'5	59'6	59'6	59'6	58'76
57'7	58'0	58'0	58'8	59'1	59'6	60'2	60'8	61'0	61'3	61'5	61'6	59'15
59'2	59'2	59'2	59'7	59'8	59'8	60'0	60'0	60'4	60'4	60'4	60'4	60'37
58'3	58'4	58'5	59'0	59'0	59'2	59'2	59'3	59'5	59'6	59'7	59'7	59'42
59'2	59'2	59'0	58'8	58'8	58'8	59'0	59'5	59'4	59'4	59'2	59'0	59'45
55'3	55'2	55'5	55'8	56'0	56'3	56'2	57'2	57'6	58'0	58'0	58'0	57'05
59'45	59'54	59'76	60'18	60'52	60'91	61'31	61'70	61'98	62'20	62'26	62'23	61'00

VERTICAL FORCE.													
One Scale Division = '000059 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah° = '00021.													
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
APRIL.	1	Sc. Div. 100'0	Sc. Div. 100'6	Sc. Div. 101'5	Sc. Div. 100'0	Sc. Div. 101'3	Sc. Div. 100'7	Sc. Div. 101'8	Sc. Div. 102'4	Sc. Div. 103'2	Sc. Div. 101'7	Sc. Div. 101'3	
	2	97'6	98'5	98'9	99'2	101'0	101'0	100'8	100'8	102'2	100'9	100'0	100'0
	3	97'8	96'1	98'1	98'6	99'6	100'0	102'2	97'4	99'2	102'4	100'4	99'9
	4	96'5	94'4	97'4	99'1	99'2	98'4	99'8	99'1	—	—	99'4	100'6
	5	102'8	103'0	104'5	—	—	—	—	—	—	—	—	—
	6	—	—	—	109'6	109'6	110'5	110'5	108'9	112'4	112'6	110'0	112'1
	7	a—	104'6	105'8	104'8	103'2	106'9	107'6	108'0	108'0	108'5	109'6	109'6
	8	94'0	96'9	98'1	98'9	98'9	99'2	100'9	100'9	—	101'2	102'2	103'5
	9	94'8	94'8	94'5	95'9	96'9	96'9	97'9	97'6	98'4	97'3	98'3	98'5
	10	99'9	100'8	100'2	101'0	101'9	102'9	102'5	102'3	102'1	102'7	101'6	102'2
	11	102'2	102'0	104'2	104'7	105'4	105'4	106'6	107'0	107'0	106'4	107'3	105'8
	12	103'3	104'4	105'5	—	—	—	—	—	—	—	—	—
	13	—	—	—	101'8	101'1	101'1	101'0	101'5	100'6	99'4	101'1	104'8
	14	86'3	86'0	91'1	95'1	96'8	93'6	93'6	103'7	92'0	92'5	94'3	95'6
	15	93'8	92'4	97'8	97'1	95'2	98'1	97'6	97'6	97'7	100'2	96'5	95'9
	16	94'1	92'7	95'3	95'3	96'1	97'0	97'9	98'2	97'4	96'9	98'2	97'0
	17	92'6	93'0	95'6	95'4	97'5	96'8	97'0	98'3	98'3	98'0	97'4	96'8
	18	88'0	85'5	84'9	84'9	85'2	86'2	85'8	84'7	85'9	84'3	79'7	83'8
	19	90'3	91'2	92'0	—	—	—	—	—	—	—	—	—
	20	—	—	—	100'3	99'4	98'5	91'8	97'2	97'5	100'0	101'0	98'9
	21	97'5	98'3	95'8	100'2	100'4	101'2	102'0	102'0	—	102'1	101'4	105'5
	22	102'3	103'8	106'1	105'1	a—	106'7	106'5	a—	105'7	111'4	111'4	110'7
	23	106'8	100'7	108'0	108'6	108'9	109'9	109'9	107'7	107'5	106'2	105'9	106'8
	24	100'4	102'2	102'2	106'4	105'1	106'0	102'8	109'0	105'1	105'1	105'1	105'1
	25	94'6	101'0	102'5	100'6	—	—	103'1	100'1	—	100'8	100'8	102'5
	26	102'8	105'0	102'8	—	—	—	—	—	—	—	—	—
	27	—	—	—	104'1	105'2	105'2	105'8	106'2	105'3	106'5	102'2	100'4
	28	103'5	98'9	101'2	101'2	105'9	110'0	110'0	107'7	107'9	111'7	108'6	106'9
	29	103'3	104'2	104'2	105'9	106'9	106'9	107'1	108'8	110'1	108'3	107'7	107'7
	30	104'5	105'5	104'2	105'4	106'9	106'9	106'9	105'3	105'3	105'0	105'0	108'5
Hourly Means	97'99	98'33	99'71	100'74	101'15	101'88	101'90	102'10	102'17	102'54	101'80	102'32	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
APRIL.	1	58'0	58'2	58'2	58'0	58'0	58'0	57'9	57'9	°	57'6	57'5	57'5
	2	59'5	59'4	59'2	59'0	59'0	58'8	58'5	58'4	58'2	58'0	57'8	57'8
	3	59'8	59'6	59'6	59'4	59'2	59'2	58'8	59'0	59'0	58'8	58'8	58'7
	4	61'2	60'8	60'6	60'3	60'0	59'8	59'6	59'3	—	—	58'6	58'6
	5	57'2	56'9	56'5	—	—	—	—	—	—	—	—	—
	6	—	—	—	54'0	53'8	53'5	53'0	52'8	52'7	52'3	52'0	51'8
	7	—	56'1	55'8	55'5	55'2	55'1	54'8	54'7	54'4	54'0	53'6	53'6
	8	59'5	59'5	59'3	59'2	59'0	58'8	58'4	58'4	—	57'5	57'2	57'2
	9	60'3	60'4	60'4	60'4	60'0	59'7	59'5	59'2	59'0	58'8	58'5	58'3
	10	57'3	57'1	56'9	56'7	56'7	56'4	56'2	56'1	56'0	55'8	55'6	55'4
	11	55'7	55'5	55'4	55'2	55'0	54'8	54'6	54'4	54'2	54'0	54'0	54'0
	12	55'0	55'0	55'0	—	—	—	—	—	—	—	—	—
	13	—	—	—	56'8	56'8	56'8	56'8	56'8	56'6	56'6	56'8	56'8
	14	60'4	60'6	60'6	60'6	60'5	60'5	60'4	60'0	59'6	59'5	59'2	59'0
	15	60'0	59'8	59'6	59'5	59'4	59'0	59'0	58'8	58'7	58'5	58'3	58'3
	16	60'8	60'5	60'3	60'2	60'0	59'8	59'5	59'1	58'8	58'4	58'0	58'0
	17	61'1	60'9	60'6	60'2	59'8	59'6	59'4	59'4	59'0	58'7	58'3	58'5
	18	64'8	65'0	65'2	65'5	65'7	65'7	65'5	65'5	65'5	65'3	65'1	64'9
	19	62'7	62'2	62'0	—	—	—	—	—	—	—	—	—
	20	—	—	—	58'6	58'4	58'2	57'8	57'8	57'3	56'8	56'5	56'8
	21	59'6	59'2	58'8	58'3	58'0	57'5	57'0	57'0	—	56'2	55'8	55'5
	22	56'0	55'4	55'0	54'8	—	53'9	53'6	—	52'6	52'2	52'0	51'6
	23	54'2	54'1	54'0	53'7	53'4	53'0	52'8	53'8	53'2	52'8	52'0	52'0
	24	56'0	55'8	55'5	55'1	54'8	54'6	54'1	53'8	53'8	53'5	53'2	53'0
	25	56'2	56'5	57'0	57'0	—	—	—	57'2	—	57'0	57'0	56'8
	26	56'7	56'3	56'0	—	—	—	—	—	—	—	—	—
	27	—	—	—	55'2	55'0	54'7	54'6	54'4	54'0	53'8	53'8	53'8
	28	55'6	55'4	55'0	54'8	54'5	54'0	54'0	53'8	53'4	53'0	52'4	52'4
	29	54'8	54'8	54'8	54'8	54'6	54'2	53'8	53'6	53'2	53'0	52'8	52'4
	30	54'0	54'0	54'2	54'4	54'4	54'4	54'2	54'1	53'8	53'8	53'5	53'8
Hourly Means	58'26	58'04	57'90	57'58	57'55	57'20	56'96	57'01	56'33	56'23	56'09	56'02	

* Vibrating.

VERTICAL FORCE.

One Scale Division = '000059 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Faht. = '00021.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 101.1	Sc. Div. 101.6	Sc. Div. 101.4	Sc. Div. 101.8	Sc. Div. 102.8	Sc. Div. 100.8	Sc. Div. 99.4	Sc. Div. 98.9	Sc. Div. 98.5	Sc. Div. 97.3	Sc. Div. 96.5	Sc. Div. 97.0	Sc. Div. 100.55
100.9	101.2	99.7	97.4	98.0	96.2	96.8	97.6	98.2	97.5	96.3	98.9	99.15
99.0	98.9	97.7	96.8	96.1	95.5	92.6	93.0	94.6	92.3	93.0	95.2	97.35
102.3	100.6	100.0	100.0	101.8	100.7	100.0	100.5	99.4	99.3	100.7	a —	99.49
—	—	—	—	—	—	—	—	—	—	—	—	—
113.0	112.5	110.0	107.9	106.6	106.6	106.6	106.0	105.2	106.2	105.7	103.9	108.20
111.2	111.7	111.7	105.5	103.4	101.9	100.4	98.0	96.1	95.6	94.6	95.9	104.46
102.6	103.5	102.6	101.5	100.8	98.5	98.1	96.7	94.7	92.7	92.7	93.9	98.83
100.8	100.8	100.6	98.9	99.0	98.5	98.5	99.0	98.7	98.7	98.7	99.1	98.05
103.1	103.1	102.5	102.2	101.8	101.3	100.2	100.3	100.3	100.9	100.4	101.2	101.56
105.0	106.4	106.4	106.4	—	105.6	103.8	102.8	102.0	101.8	102.8	102.8	104.77
—	—	—	—	—	—	—	—	—	—	—	—	—
103.2	103.5	109.2	108.3	101.1	92.9	95.5	95.0	98.9	95.9	94.0	91.5	100.61
97.4	97.6	97.6	98.3	97.5	96.7	98.3	97.4	95.8	93.0	94.0	94.0	94.51
95.9	95.9	97.3	97.7	97.3	95.3	94.1	94.1	92.1	91.3	92.0	94.2	95.71
96.9	98.6	99.2	98.2	99.0	97.8	95.7	93.8	91.1	89.5	90.7	88.8	95.64
97.9	99.2	99.3	98.0	96.5	94.0	92.3	88.8	85.3	83.2	88.9	86.8	94.45
83.9	87.0	90.9	93.1	92.1	91.5	89.5	88.2	88.4	90.7	90.2	90.2	87.27
—	—	—	—	—	—	—	—	—	—	—	—	—
100.3	101.9	99.8	96.9	97.7	100.6	101.3	97.9	95.8	96.5	97.8	98.5	97.63
106.6	106.0	105.5	107.0	108.0	107.3	105.0	106.3	105.4	105.1	103.2	103.2	103.26
110.8	110.0	109.2	109.0	108.9	108.3	106.4	105.5	104.0	104.0	104.8	105.2	107.08
107.5	107.3	106.9	106.3	107.0	105.2	105.0	103.3	101.3	101.3	99.3	99.4	105.70
105.0	104.2	104.5	103.3	104.1	106.6	106.6	109.2	110.2	99.0	100.0	100.3	104.48
101.1	98.2	98.2	99.0	99.6	101.8	101.7	100.4	98.3	98.5	98.9	99.1	100.04
—	—	—	—	—	—	—	—	—	—	—	—	—
111.0	104.8	108.0	107.8	—	123.9	109.8	104.3	103.5	102.0	104.7	101.1	105.76
109.6	110.2	108.8	108.8	109.4	110.0	106.7	106.7	104.2	102.2	97.7	102.3	106.25
108.6	108.6	109.3	110.0	110.5	111.4	110.9	109.5	105.1	105.5	104.7	104.7	107.50
103.2	107.9	114.0	112.2	112.1	108.4	110.0	109.1	106.5	108.3	105.8	105.8	107.20
103.00	103.12	103.47	102.78	102.13	102.20	100.97	100.09	98.98	98.01	98.00	98.12	100.97

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

57.4	57.6	57.8	58.2	58.4	58.7	59.0	59.3	59.5	59.6	59.6	59.6	58.33
58.0	58.0	58.2	58.4	58.8	59.1	59.4	59.8	59.8	60.0	59.8	59.8	58.86
58.8	59.2	59.5	60.0	60.2	60.6	61.0	61.3	61.5	61.5	61.4	61.2	59.84
58.8	58.8	58.8	58.8	58.9	59.0	59.2	59.0	58.8	58.4	58.1	—	59.30
—	—	—	—	—	—	—	—	—	—	—	—	—
51.8	52.0	52.5	52.8	53.5	54.2	54.5	54.8	55.2	55.4	55.5	55.5	53.93
53.8	54.0	54.3	55.0	55.9	56.5	57.3	58.1	58.7	59.2	59.4	59.5	55.85
57.2	57.4	57.5	57.8	58.4	58.6	59.0	59.5	59.8	60.0	60.4	60.4	58.70
58.0	58.0	57.8	58.0	58.2	58.0	58.0	58.0	57.9	57.7	57.6	57.4	58.71
55.5	55.3	55.3	55.8	56.2	56.0	56.1	56.0	56.0	56.0	55.9	55.8	56.09
54.2	54.2	54.2	54.4	—	54.6	54.8	54.8	55.0	55.0	55.2	55.2	54.71
—	—	—	—	—	—	—	—	—	—	—	—	—
57.2	57.8	58.0	58.7	59.0	59.3	59.6	59.9	60.1	60.2	60.3	60.4	57.76
59.0	59.0	59.0	59.2	59.5	59.8	59.8	60.0	60.2	60.2	60.2	60.0	59.87
58.4	58.5	59.2	59.5	60.0	60.3	61.0	61.2	61.2	61.3	61.2	61.0	59.65
58.0	58.2	58.4	59.0	59.2	59.7	60.2	60.5	61.0	61.2	61.3	61.2	59.64
58.3	58.3	58.7	59.4	60.0	60.8	61.6	62.4	63.2	63.8	64.2	64.6	60.45
64.6	64.4	64.2	64.2	64.0	64.0	63.8	63.8	63.8	63.5	63.0	62.8	64.57
—	—	—	—	—	—	—	—	—	—	—	—	—
56.8	56.9	57.2	57.7	58.2	58.6	59.0	59.2	59.4	59.3	59.3	59.1	58.57
55.4	55.2	55.0	55.0	55.0	55.0	55.2	55.2	55.3	55.3	55.3	55.2	56.30
51.6	51.6	51.8	52.4	52.8	53.2	53.8	54.0	54.2	54.2	54.3	54.3	53.42
52.0	52.2	52.6	53.4	54.0	54.8	55.0	55.5	56.2	56.4	56.7	56.3	53.92
52.8	52.8	52.8	53.2	53.4	53.8	54.0	54.6	54.8	55.5	56.0	56.2	54.30
56.8	56.7	56.7	57.2	57.5	57.6	57.6	57.6	57.7	57.5	57.2	56.9	57.09
—	—	—	—	—	—	—	—	—	—	—	—	—
54.0	53.8	54.0	54.2	—	54.8	55.0	55.4	55.5	55.6	55.6	55.6	54.86
52.2	52.2	52.5	52.8	53.3	53.8	54.2	54.2	54.8	54.8	54.8	54.8	53.87
52.2	52.2	52.0	52.2	52.5	52.6	52.8	53.2	53.6	53.6	54.0	54.0	53.40
53.6	53.6	53.5	53.6	53.8	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.01
56.02	56.07	56.21	56.57	57.11	57.22	57.50	57.76	57.98	58.05	58.10	58.04	57.16

VERTICAL FORCE.													
One Scale Division = '000061 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah° = '00021.													
Mean Götting- gen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
MAY.	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	107°0	108°0	108°4	109°1	109°1	109°5	108°9	107°5	107°5	108°3	107°1	106°8
	2	104°8	105°0	105°2	105°6	—	105°7	106°8	106°3	107°3	106°8	106°1	106°1
	3	106°6	106°6	107°0	—	—	—	—	—	—	—	—	—
	4	—	—	—	110°0	110°4	110°4	110°0	109°4	110°5	109°0	109°0	110°7
	5	104°6	104°6	105°0	106°9	106°0	106°0	106°0	105°8	106°5	106°5	106°0	104°2
	6	101°5	101°8	102°7	102°7	102°7	103°3	104°0	105°0	105°0	104°5	106°0	105°2
	7	114°7	116°3	114°8	117°2	116°8	116°2	115°9	117°1	117°1	116°8	116°6	115°9
	8	115°6	116°2	116°3	116°1	117°0	117°0	117°7	116°9	116°9	116°9	116°9	115°5
	9	111°8	111°8	111°8	111°0	111°0	111°0	111°9	111°1	110°5	110°3	109°6	108°1
	10	108°3	108°8	109°7	—	—	—	—	—	—	—	—	—
	11	—	—	—	106°0	106°0	106°0	106°5	106°5	—	104°7	103°4	104°1
	12	98°2	102°7	102°7	103°4	104°7	104°7	104°3	104°3	104°6	104°6	104°9	105°0
	13	100°9	101°7	103°3	102°6	103°8	104°4	103°3	103°0	—	104°3	107°1	107°1
	14	105°5	106°0	107°2	106°7	106°7	106°4	106°4	107°7	106°3	106°6	105°6	106°6
	15	108°6	106°4	106°1	a—	109°0	109°5	110°6	112°5	a—	a—	a—	111°8
	16	112°8	118°7	117°8	109°5	115°2	115°8	116°3	—	—	115°8	115°8	115°8
	17	112°6	112°6	113°7	—	—	—	—	—	—	—	—	—
	18	—	—	—	114°6	114°6	113°1	112°5	112°6	114°0	115°0	117°4	113°2
	19	a—	112°6	111°6	114°6	—	115°4	115°6	115°2	117°5	118°8	117°8	116°9
	20	113°5	113°7	114°4	113°8	—	115°5	115°5	114°9	113°3	113°0	112°6	114°4
	21	111°8	111°8	111°8	111°8	111°8	111°8	111°8	110°6	113°2	113°1	113°0	111°3
	22	108°4	109°0	110°2	110°2	110°5	112°2	105°1	110°5	109°5	109°5	109°5	104°9
	23	107°3	106°4	106°6	107°7	107°7	107°7	107°8	107°3	108°1	108°1	110°2	110°0
	24	102°0	101°5	101°9	—	—	—	—	—	—	—	—	—
	25	—	—	—	108°8	108°7	109°1	108°9	108°6	108°6	108°6	108°6	107°1
	26	109°4	109°7	110°4	110°3	—	—	110°9	110°3	108°6	110°0	110°8	110°1
	27	111°3	112°2	112°8	112°8	112°8	112°8	111°9	113°2	—	112°0	111°5	110°2
	28	110°3	111°4	112°6	112°6	112°4	112°9	112°8	111°8	111°8	111°8	111°8	111°8
	29	115°1	115°4	115°7	116°4	116°4	117°7	118°1	118°1	118°1	118°4	119°9	118°3
30	114°1	114°1	114°1	115°0	115°0	115°0	114°9	116°5	109°8	112°2	114°5	112°9	
Hourly Means	108°67	109°42	109°76	110°22	110°42	110°76	110°55	110°51	110°71	110°62	110°87	101°15	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
MAY.	1	54°2	54°3	54°3	54°3	54°2	54°0	54°2	54°5	54°4	54°2	54°0	54°0
	2	54°9	54°8	54°7	54°7	—	54°6	54°4	54°2	54°0	54°0	53°8	53°8
	3	54°2	54°0	54°2	—	—	—	—	—	—	—	—	—
	4	—	—	—	52°5	52°4	52°2	52°2	52°2	52°0	51°8	51°5	51°4
	5	53°7	54°0	54°2	54°2	54°4	54°2	54°2	54°2	54°2	54°2	54°1	54°0
	6	57°0	57°0	56°6	56°6	56°2	55°8	55°7	55°3	54°8	54°4	54°7	54°7
	7	50°0	50°0	49°6	49°4	49°0	48°7	48°2	48°2	48°0	47°8	47°8	47°5
	8	48°3	48°3	48°2	48°2	48°0	48°0	47°8	47°8	47°7	47°6	47°5	47°3
	9	50°4	50°4	50°4	50°4	50°4	50°4	50°4	50°5	50°7	50°7	50°7	50°7
	10	51°8	51°8	51°8	—	—	—	—	—	—	—	—	—
	11	—	—	—	53°6	53°4	53°2	53°0	53°0	—	52°8	52°8	52°6
	12	55°6	55°4	55°4	55°4	55°2	55°1	55°0	54°8	54°6	54°1	53°9	53°6
	13	55°5	55°5	55°5	55°4	55°2	55°0	54°8	54°7	—	54°2	54°0	53°8
	14	54°9	54°8	54°8	54°8	53°8	53°6	53°6	53°5	53°3	53°0	53°0	52°8
	15	53°7	53°5	53°1	—	52°5	52°0	51°5	51°2	—	—	—	49°8
	16	50°8	50°5	50°4	50°1	49°7	49°5	49°1	—	—	48°0	47°5	47°4
	17	50°2	50°2	50°1	—	—	—	—	—	—	—	—	—
	18	—	—	—	50°3	50°2	50°0	49°8	49°7	49°5	49°3	49°1	48°8
	19	—	50°8	50°6	50°4	—	49°8	49°6	49°4	49°0	48°8	48°5	48°4
	20	50°3	50°3	50°3	50°2	—	50°0	50°0	49°8	49°8	49°7	49°6	49°7
	21	51°5	51°5	51°8	51°8	51°5	51°4	51°3	51°2	51°0	50°9	50°6	50°5
	22	53°4	53°4	53°4	53°4	53°3	53°3	53°3	53°3	53°2	53°0	53°0	53°0
	23	54°2	54°2	54°2	54°1	54°2	54°0	54°0	54°0	54°0	54°3	54°5	54°8
	24	58°1	57°9	57°6	—	—	—	—	—	—	—	—	—
	25	—	—	—	53°8	53°9	53°9	54°0	54°0	54°0	54°0	54°0	53°6
	26	54°2	54°1	54°0	53°9	—	—	53°0	53°0	52°6	52°5	52°2	52°1
	27	51°6	51°6	51°6	51°8	51°5	51°5	51°5	51°5	—	51°5	51°4	51°3
	28	52°3	52°2	52°2	52°1	52°0	51°8	51°7	51°6	51°4	51°2	51°0	50°8
	29	50°3	50°1	50°0	49°8	49°5	49°2	48°8	48°6	48°3	48°0	47°6	47°3
	30	49°6	49°8	49°8	50°0	50°0	50°0	50°0	50°0	50°1	50°1	50°1	50°0
Hourly Means	52°83	52°71	52°65	52°45	52°30	52°05	51°97	52°01	51°74	51°60	51°48	51°30	

* Vibrating.

VERTICAL FORCE.

One Scale Division = '000061 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah° = '00021.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 106·9 106·4	Sc. Div. 107·2 107·5	Sc. Div. 107·0 107·5	Sc. Div. 106·7 107·0	Sc. Div. 107·5 106·4	Sc. Div. 107·5 107·8	Sc. Div. 107·1 108·9	Sc. Div. 105·6 107·5	Sc. Div. 104·7 106·7	Sc. Div. 104·1 104·8	Sc. Div. 103·9 104·8	Sc. Div. 104·1 105·9	Sc. Div. 107·06 106·39
—	—	—	—	—	—	—	—	—	—	—	—	—
111·0	110·6	110·1	111·5	111·6	113·0	111·3	111·3	107·5	105·6	106·0	106·4	109·40
105·2	106·4	106·0	104·1	102·1	103·0	102·1	100·8	98·8	98·6	99·2	100·9	103·97
100·7	107·4	107·7	108·5	109·7	110·2	111·5	111·7	111·5	112·8	113·5	113·5	106·90
115·9	117·0	117·4	117·4	117·5	117·7	117·3	116·1	114·5	112·3	114·0	114·2	116·11
114·5	114·5	115·2	115·2	115·2	116·2	113·7	111·6	111·6	112·3	111·4	111·8	115·09
106·9	108·1	109·6	110·9	112·3	114·0	114·0	109·5	108·6	106·7	107·2	107·4	110·21
—	—	—	—	—	—	—	—	—	—	—	—	—
107·1	109·3	107·5	108·0	107·7	107·7	107·7	105·6	103·6	101·2	100·7	100·7	105·95
102·9	104·2	105·8	105·8	105·4	105·4	103·9	101·0	100·9	100·6	100·2	101·8	103·42
104·9	105·7	108·7	112·5	113·1	110·3	105·5	103·1	103·7	104·1	103·6	105·3	105·30
107·3	110·1	107·7	107·0	107·0	106·7	106·7	108·4	108·4	107·9	105·3	106·6	106·99
112·9	112·1	113·6	113·6	113·8	114·7	113·4	109·7	108·4	108·4	111·7	114·8	111·08
115·8	117·3	117·0	117·0	118·7	119·1	117·2	114·8	113·0	112·2	111·9	111·9	115·43
—	—	—	—	—	—	—	—	—	—	—	—	—
112·5	120·1	120·1	118·1	123·6	119·3	116·1	116·6	114·4	112·7	110·9	113·1	115·14
115·3	117·0	118·0	119·6	118·7	118·2	a—	113·3	113·8	112·5	112·5	112·7	116·08
114·4	112·0	119·5	118·4	118·4	119·4	117·8	113·7	110·8	109·9	109·9	111·2	114·35
114·4	114·8	114·8	113·4	113·0	112·3	112·3	111·2	106·7	105·2	107·2	108·3	111·56
103·9	105·1	108·2	109·1	110·2	111·6	110·0	109·9	108·8	108·1	106·9	107·2	108·69
103·1	102·1	102·8	104·1	103·7	103·6	102·2	99·8	99·8	105·9	105·1	105·6	105·53
—	—	—	—	—	—	—	—	—	—	—	—	—
107·1	107·8	109·4	109·4	109·9	109·9	110·2	108·2	107·3	107·2	107·5	108·4	107·70
110·1	—	—	113·5	115·7	116·4	114·8	112·6	112·4	111·7	110·6	110·7	111·45
110·2	111·3	112·9	114·0	114·0	—	113·3	110·9	110·4	108·4	108·4	109·2	111·66
113·7	114·3	114·3	114·3	115·5	115·6	114·1	113·6	113·0	112·8	113·2	114·3	113·03
118·4	119·2	120·8	121·7	121·7	121·1	119·1	116·7	115·3	115·3	115·9	115·2	117·83
113·1	113·8	115·5	116·4	117·6	118·5	117·8	116·5	118·7	119·8	123·1	120·4	115·80
109·79	111·00	111·88	112·20	112·69	112·77	111·52	109·99	108·97	108·50	108·64	109·29	110·40

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

53·9	54·0	54·2	54·5	54·5	54·8	54·8	55·1	55·0	55·1	55·0	55·0	54·45
53·8	53·5	53·5	53·6	53·8	53·8	54·0	54·0	54·2	54·2	54·2	54·0	54·11
—	—	—	—	—	—	—	—	—	—	—	—	—
51·0	51·2	51·3	51·5	51·8	52·2	52·7	53·0	53·2	53·7	53·8	53·8	52·50
54·0	54·2	54·8	55·2	55·8	56·4	56·6	57·0	57·2	57·5	57·4	57·2	55·12
54·3	54·2	54·2	53·8	53·6	53·2	52·7	52·5	52·0	51·6	51·2	50·6	54·36
47·4	47·5	47·7	47·8	47·8	48·0	48·3	48·2	48·4	48·4	48·3	48·3	48·35
47·2	47·5	47·8	48·2	48·8	49·0	49·4	49·8	49·8	50·0	50·2	50·2	48·44
50·6	50·6	50·7	50·8	51·0	51·2	51·4	51·4	51·6	51·7	51·8	51·8	50·86
—	—	—	—	—	—	—	—	—	—	—	—	—
52·5	52·6	53·8	54·3	54·0	54·4	54·6	55·0	55·4	55·4	55·5	55·6	53·60
53·4	53·8	54·0	54·4	54·8	55·2	55·4	55·5	55·7	55·7	55·7	55·6	54·89
53·8	53·4	53·8	53·4	53·4	53·5	54·2	54·3	54·2	54·0	54·0	54·0	54·33
52·8	53·0	53·2	53·6	53·6	54·0	54·0	54·0	54·0	53·9	54·0	53·8	53·74
49·6	49·8	49·8	50·0	50·2	50·5	50·8	51·0	51·2	51·2	51·2	51·0	51·18
47·2	47·2	47·4	47·8	48·2	48·7	49·1	49·6	50·0	50·2	50·3	50·3	49·05
—	—	—	—	—	—	—	—	—	—	—	—	—
48·8	48·8	49·0	49·0	49·5	49·8	50·0	50·3	50·5	50·6	50·6	50·5	49·77
48·2	48·2	48·4	48·5	49·0	49·5	—	50·0	50·2	50·4	50·4	50·4	49·45
49·3	49·3	49·3	49·5	49·8	50·0	50·4	50·8	50·8	51·0	51·2	51·4	50·11
50·2	50·4	50·6	50·8	51·2	51·8	52·2	52·4	52·6	53·0	53·1	53·2	51·52
53·0	53·0	53·0	53·1	53·2	53·3	53·6	53·8	53·9	54·0	54·1	54·2	53·38
55·0	55·2	55·6	55·9	56·2	57·0	57·3	57·8	58·1	58·1	58·1	58·1	55·54
—	—	—	—	—	—	—	—	—	—	—	—	—
53·6	53·5	53·4	53·4	53·8	54·0	54·0	54·2	54·2	54·2	54·3	54·2	54·40
52·0	—	—	51·4	51·4	51·4	51·4	51·4	51·5	51·4	51·6	51·6	52·33
51·4	51·4	51·4	51·7	51·9	—	52·3	52·5	52·4	52·4	52·4	52·5	51·78
50·8	50·2	50·2	50·3	50·8	50·9	51·0	51·0	51·0	50·8	50·7	50·5	51·19
47·1	47·2	47·3	47·5	47·8	47·8	48·2	48·4	48·8	49·0	49·2	49·4	48·55
50·1	50·0	50·0	50·0	50·0	50·0	50·0	50·1	50·2	50·2	50·0	50·0	50·00
51·20	51·19	51·38	51·54	51·77	52·02	52·34	52·43	52·54	52·60	52·63	52·58	52·06

VERTICAL FORCE.												
One Scale Division = '000062 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.												
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.
May 31	Sc. Div. 124'2	Sc. Div. 121'5	Sc. Div. 121'3	—	—	—	—	—	—	—	—	—
1	—	—	—	121'7	121'7	121'7	121'7	121'6	121'6	120'8	120'5	120'5
2	117'3	119'0	119'8	120'2	120'2	121'4	120'6	121'4	121'4	121'4	120'3	119'7
3	117'6	116'6	117'3	118'7	118'9	118'4	118'8	118'2	118'4	118'4	116'3	115'6
4	111'4	112'3	114'9	116'6	116'6	116'6	112'4	113'9	115'1	115'9	115'5	114'6
5	110'1	110'1	110'1	109'9	109'6	110'8	110'7	110'5	110'7	110'6	109'1	109'3
6	116'7	117'3	115'4	118'0	117'5	117'5	115'9	115'6	—	114'1	112'1	110'7
7	107'5	107'7	107'8	—	—	—	—	—	—	—	—	—
8	—	—	—	103'2	104'4	105'4	106'0	106'0	104'9	105'7	106'5	104'2
9	108'3	110'8	111'7	109'6	112'9	111'0	110'5	110'3	110'3	108'8	108'5	107'4
10	105'7	106'2	106'2	106'5	106'5	107'1	107'5	107'8	107'8	107'8	106'9	107'6
11	112'9	113'7	112'3	113'8	—	—	—	—	—	—	116'3	115'5
12	111'7	118'3	118'3	118'9	118'9	118'9	119'1	119'8	119'4	120'2	120'3	117'7
13	117'9	118'1	118'4	118'9	—	119'6	119'4	119'5	119'5	119'5	119'6	118'0
14	117'0	117'0	117'0	—	—	—	—	—	—	—	—	—
15	—	—	—	119'0	119'0	120'3	120'6	120'5	120'5	120'5	119'4	119'4
16	116'5	114'1	115'1	115'3	115'3	115'3	115'3	114'2	114'2	114'2	114'2	112'1
17	116'5	117'7	117'1	118'5	118'5	118'5	118'5	118'5	117'8	117'0	117'1	116'0
18	118'3	118'4	118'2	118'5	118'5	118'5	118'3	118'3	—	118'3	116'8	116'0
19	114'0	114'5	115'4	114'7	114'7	114'7	114'7	114'2	113'8	114'5	113'8	112'6
20	115'3	116'0	117'0	117'3	117'3	119'1	118'7	118'7	119'3	120'5	120'1	117'4
21	120'4	119'6	119'6	—	—	—	—	—	—	—	—	—
22	—	—	—	118'9	118'9	118'9	118'9	118'2	118'2	117'3	117'1	117'1
23	114'3	115'2	115'2	115'2	115'2	115'2	117'0	115'7	116'2	116'1	116'6	114'9
24	113'5	114'0	114'0	115'0	115'5	115'8	115'9	116'2	—	116'2	116'8	115'9
25	114'1	115'0	116'3	117'2	117'2	117'2	118'7	119'2	118'8	118'4	119'2	119'2
26	119'4	119'4	118'5	116'1	116'1	114'6	115'7	114'4	112'3	111'9	111'7	111'0
27	109'7	109'7	110'2	109'9	—	109'9	109'9	110'5	110'2	109'3	110'4	108'3
28	116'0	114'1	112'4	—	—	—	—	—	—	—	—	—
29	—	—	—	105'5	107'0	107'0	107'2	106'7	106'1	103'3	104'5	104'6
30	98'9	99'4	101'0	102'4	102'6	101'9	100'5	105'0	105'0	105'0	105'7	108'3
Hourly Means	114'05	114'45	114'63	114'60	114'91	115'01	114'90	115'00	114'61	114'63	114'43	113'52
TEMPERATURE OF THE VERTICAL FORCE MAGNET.												
May 31	49'8	49'8	49'8	—	—	—	—	—	—	—	—	—
1	—	—	—	48'0	47'8	47'6	47'4	47'2	46'7	46'2	45'8	45'6
2	48'0	47'9	47'8	47'6	47'4	47'2	47'1	47'1	47'0	46'8	46'8	46'8
3	48'5	48'6	48'6	48'6	48'6	48'6	48'6	48'6	48'5	48'4	48'3	48'2
4	50'9	50'7	50'5	50'3	50'2	50'0	49'8	49'8	49'6	49'5	49'3	49'2
5	52'8	53'0	52'8	52'8	52'8	52'7	52'6	52'4	51'8	51'8	51'6	51'1
6	49'4	49'1	49'0	49'0	49'0	49'1	49'2	49'2	—	49'6	49'8	49'8
7	53'7	53'8	53'3	—	—	—	—	—	—	—	—	—
8	—	—	—	55'5	55'4	55'2	55'2	55'0	54'9	54'7	54'6	54'5
9	52'8	52'6	52'5	52'5	52'5	52'5	52'4	52'4	52'5	52'6	52'6	52'8
10	54'7	54'7	54'6	54'6	54'4	54'2	54'2	54'0	53'8	53'7	53'5	53'3
11	50'8	50'6	50'4	50'0	—	—	—	—	—	—	48'0	48'1
12	48'5	48'3	48'0	47'8	47'5	47'0	46'8	46'5	46'2	46'1	46'0	45'7
13	46'6	46'6	46'6	46'6	—	46'5	46'5	46'4	46'4	46'2	46'0	45'8
14	48'0	48'0	47'9	—	—	—	—	—	—	—	—	—
15	—	—	—	46'8	46'8	46'7	46'5	46'3	46'2	46'0	46'0	45'8
16	47'3	47'5	47'2	47'2	47'2	47'2	47'2	47'2	47'2	47'0	47'0	47'0
17	47'0	46'8	46'6	46'4	46'2	46'2	46'2	46'2	46'2	46'2	46'2	46'2
18	46'2	46'2	46'1	46'0	46'0	45'8	45'7	45'5	—	45'0	45'0	45'0
19	47'7	47'5	47'4	47'4	47'4	47'5	47'5	47'7	47'7	47'4	47'2	47'1
20	47'2	47'0	47'0	46'6	46'4	46'0	45'7	45'4	45'1	44'8	44'5	44'1
21	44'5	44'5	44'5	—	—	—	—	—	—	—	—	—
22	—	—	—	45'0	45'0	45'0	45'0	45'0	45'0	45'0	44'8	44'8
23	47'0	47'0	47'0	47'0	46'8	46'8	46'7	46'6	46'3	46'3	46'2	45'9
24	47'8	47'8	47'6	47'5	47'2	47'1	47'0	46'8	—	46'0	46'0	45'6
25	46'8	46'7	46'5	46'2	46'0	45'8	45'4	45'0	44'8	44'5	44'2	44'2
26	44'0	44'4	44'6	45'0	45'0	45'4	46'0	46'5	46'9	47'1	47'2	47'3
27	49'3	49'3	49'2	49'2	—	49'0	49'0	48'7	48'6	48'4	48'4	48'2
28	49'4	49'7	49'6	—	—	—	—	—	—	—	—	—
29	—	—	—	52'2	52'4	52'4	52'4	52'4	52'3	52'2	52'2	52'1
30	55'0	54'7	54'4	54'2	53'8	53'6	53'3	53'1	52'8	52'4	52'4	52'4
Hourly Means	48'99	48'95	48'85	48'85	48'77	48'60	48'54	48'44	48'48	48'16	48'06	47'95

VERTICAL FORCE.

One Scale Division = '000062 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.

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.
119.5	120.4	122.0	124.2	124.2	121.7	122.9	121.0	118.4	118.5	119.6	119.7	121.29
119.4	119.4	120.0	120.5	121.5	122.4	121.9	119.3	117.6	117.6	117.6	117.6	119.90
116.1	116.0	115.8	115.8	117.6	119.1	118.3	115.7	112.7	110.5	109.6	110.2	116.27
114.3	114.9	114.2	112.5	113.5	112.5	111.8	110.9	109.4	111.6	112.6	108.7	113.45
110.9	110.7	113.3	114.4	116.2	115.3	115.8	115.0	115.0	115.0	115.6	115.6	112.26
109.8	108.4	109.1	110.0	110.0	110.7	110.2	108.8	106.5	106.5	106.9	107.3	111.96
104.9	109.7	108.3	110.6	110.6	112.5	111.8	111.8	112.4	110.3	109.0	109.0	107.92
107.4	107.1	107.1	107.8	108.9	108.4	106.0	105.1	103.7	104.5	106.0	105.6	108.24
107.3	107.4	108.3	109.5	110.3	110.8	110.8	110.9	112.3	112.3	117.6	110.5	108.82
113.5	114.2	115.6	117.2	117.2	116.7	116.7	114.8	113.0	113.4	114.3	117.2	114.79
117.7	119.3	121.0	119.0	119.0	119.4	120.5	119.7	118.5	117.4	117.4	117.4	118.66
118.0	117.9	119.6	118.5	120.6	119.4	118.0	117.2	115.3	115.7	116.2	117.4	118.36
119.2	120.2	120.2	122.2	123.2	123.9	121.6	120.7	119.6	117.8	118.9	120.1	119.91
111.1	112.0	111.9	111.2	113.9	116.0	116.9	115.6	115.6	115.6	116.3	116.5	114.52
114.7	114.7	113.8	116.3	118.0	118.7	117.3	117.0	116.6	116.3	116.8	117.9	117.07
114.8	114.8	114.8	116.0	117.0	118.0	117.1	115.6	115.6	114.1	114.1	114.1	116.70
111.7	112.8	114.1	116.1	116.8	118.0	117.1	115.7	114.3	114.3	114.8	114.8	114.67
115.4	116.7	117.1	118.7	120.1	121.5	121.0	120.1	118.7	117.9	119.5	120.4	118.49
116.8	115.4	115.1	115.3	117.7	117.7	117.7	110.9	114.6	114.1	114.7	114.7	116.99
115.4	114.0	114.7	114.7	115.1	116.8	114.1	112.6	111.7	113.0	113.0	112.8	114.78
114.6	117.0	116.4	115.9	116.9	116.6	115.3	113.8	112.9	113.1	112.9	113.2	115.10
119.1	119.2	120.1	121.2	121.2	121.9	122.1	120.5	119.7	119.7	119.7	118.5	118.89
109.5	109.8	109.4	109.1	112.1	112.1	111.7	110.6	108.8	108.2	108.2	109.1	112.49
108.7	108.4	109.5	108.2	107.9	110.7	111.2	108.5	111.7	110.0	111.5	114.1	109.93
103.8	103.6	104.6	104.4	103.9	103.3	102.6	102.9	102.9	106.0	103.3	101.0	105.70
107.6	107.3	106.0	104.4	107.5	107.8	107.7	106.8	104.1	103.3	104.2	104.2	104.44
113.12	113.51	113.92	114.37	115.42	115.84	115.31	113.90	113.14	112.95	113.46	113.37	114.29

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

45.5	45.6	45.7	46.0	46.2	46.4	46.6	47.0	47.1	47.3	47.4	47.5	47.08
46.8	46.8	46.6	46.8	47.0	47.0	47.5	47.7	47.9	48.0	48.4	48.4	47.35
48.3	48.5	48.8	49.0	49.7	50.1	50.7	50.8	51.0	51.1	51.1	51.0	49.26
49.4	49.5	50.0	50.3	50.8	51.2	51.4	51.8	52.0	52.4	52.6	52.7	50.58
50.8	50.6	50.4	50.4	50.3	50.5	50.3	50.2	50.1	50.0	49.7	49.5	51.29
50.0	50.4	50.7	51.1	51.5	52.1	52.4	52.8	53.0	53.2	53.5	53.7	50.72
54.5	54.4	54.4	54.2	54.2	54.0	53.8	53.6	53.5	53.3	53.1	53.0	54.26
52.8	53.0	53.2	53.5	53.8	54.0	54.2	54.4	54.6	54.6	54.7	54.7	53.25
53.0	53.0	52.8	52.8	52.7	52.6	52.4	52.2	52.0	51.8	51.4	51.0	53.22
48.0	47.8	47.8	48.0	48.2	48.5	48.6	48.8	48.5	48.7	48.8	48.7	48.80
45.6	45.5	45.6	45.7	45.8	45.8	46.0	46.2	46.4	46.4	46.6	46.6	46.52
45.6	45.8	46.2	46.4	46.5	46.9	47.2	47.6	47.8	47.9	47.9	47.9	46.69
45.6	45.6	45.5	45.5	45.6	45.7	46.0	46.1	46.2	46.2	46.4	46.6	46.33
47.0	47.1	47.3	47.6	47.8	47.8	47.6	47.4	47.4	47.2	47.2	47.0	47.28
46.2	46.2	46.4	46.2	46.2	46.4	46.4	46.4	46.5	46.5	46.3	46.2	46.35
45.4	45.4	45.4	45.5	45.9	46.0	46.7	46.5	46.8	47.0	47.3	47.5	45.99
47.0	47.0	46.8	47.0	47.0	47.0	47.2	47.2	47.4	47.4	47.4	47.4	47.30
44.0	44.0	43.8	43.8	44.0	44.2	44.2	44.2	44.4	44.5	44.5	44.5	44.99
44.7	44.9	45.1	45.4	45.6	46.0	46.2	46.4	46.6	46.6	46.8	47.0	45.39
45.8	45.8	45.8	46.2	46.6	46.9	47.3	47.5	47.7	47.8	47.8	47.8	46.77
45.3	45.2	45.3	45.7	45.9	46.1	46.4	46.7	47.0	47.0	47.0	47.0	46.57
44.2	44.0	43.8	43.8	43.8	43.8	43.8	43.8	43.8	44.0	44.0	44.0	44.70
47.4	47.8	47.8	48.0	48.2	48.5	48.8	49.0	49.2	49.3	49.5	49.4	47.18
48.0	48.0	48.2	48.2	48.6	48.8	49.0	49.1	49.1	49.1	49.1	49.1	48.77
52.2	52.2	52.8	53.3	53.7	54.0	54.4	54.5	54.5	54.6	54.7	54.6	52.70
52.5	52.2	52.2	52.4	52.6	52.6	52.8	52.9	53.1	53.1	53.1	53.1	53.11
47.91	47.93	48.02	48.18	48.39	48.57	48.77	48.88	48.98	49.03	49.09	49.07	48.56

VERTICAL FORCE.														
One Scale Division = '000061 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.														
Mean Göttingen Time. }	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.		
JULY.	1	Sc. Div. 104·8	Sc. Div. 105·1	Sc. Div. 105·0	Sc. Div. 105·1	Sc. Div. 105·1	Sc. Div. 105·3	Sc. Div. 105·9	Sc. Div. 105·9	Sc. Div. 105·9	Sc. Div. 105·0	Sc. Div. 105·0	103·5	
	2	106·8	106·8	106·8	108·5	109·4	110·7	111·4	111·4	110·4	109·2	109·1	108·6	
	3	109·0	109·8	110·5	111·2	111·8	112·2	111·9	111·9	111·8	111·5	110·8	109·7	
	4	110·9	109·9	109·6	109·3	—	—	—	109·8	109·8	109·8	109·0	108·6	107·0
	5	109·3	112·6	113·6	—	—	—	—	—	—	—	—	—	—
	6	—	—	—	119·2	119·0	118·5	119·6	118·7	117·7	116·6	117·2	116·3	—
	7	115·3	115·2	115·7	116·8	116·8	116·8	116·8	116·9	116·3	116·3	116·6	115·6	113·8
	8	110·7	110·7	111·6	109·7	112·2	112·2	113·0	110·8	112·4	106·8	108·2	108·1	—
	9	105·7	107·0	108·3	107·6	109·6	110·2	109·9	110·1	110·1	110·1	111·7	110·8	—
	10	111·6	112·5	111·3	112·2	112·2	112·7	112·7	113·1	113·4	113·8	116·2	116·2	—
	11	117·7	117·0	119·3	116·6	118·3	119·7	119·4	119·2	118·9	118·3	121·2	116·2	—
	12	114·5	118·1	115·4	—	—	—	—	—	—	—	—	—	—
	13	—	—	—	115·4	115·4	115·4	115·3	111·8	112·9	113·6	112·0	109·5	—
	14	102·2	103·2	103·5	104·7	105·0	105·9	105·7	105·7	105·3	104·8	104·1	104·1	—
	15	108·7	108·7	108·9	109·9	—	109·5	109·4	109·6	109·6	109·2	109·2	106·6	—
	16	106·0	106·5	106·5	107·5	107·5	106·8	105·2	108·8	108·8	108·0	108·0	107·5	—
	17	111·8	111·8	112·2	113·6	113·1	113·4	113·3	112·1	113·1	112·4	111·8	111·7	—
	18	109·3	109·3	108·0	113·0	114·2	113·8	113·6	113·1	—	111·8	111·8	112·0	—
	19	110·0	111·6	112·6	—	—	—	—	—	—	—	—	—	—
	20	—	—	—	115·7	115·5	114·1	112·2	112·2	112·1	111·4	111·0	110·0	—
	21	101·7	112·1	116·7	115·1	—	115·5	115·2	114·5	114·5	114·9	114·9	111·5	—
	22	112·6	112·5	114·4	113·8	114·4	114·3	114·1	114·2	114·2	113·8	113·3	113·3	—
	23	115·5	114·8	116·8	116·9	—	115·4	117·0	115·9	115·9	116·4	115·0	114·9	—
	24	109·7	110·2	110·8	111·3	108·0	109·0	109·0	110·3	109·1	110·0	106·3	107·0	—
	25	119·5	102·5	109·1	109·5	108·8	108·8	108·8	106·8	—	107·8	a—	109·5	—
	26	112·8	114·2	114·1	—	—	—	—	—	—	—	—	—	—
	27	—	—	—	113·9	111·4	112·4	114·4	114·1	111·3	110·3	109·7	109·7	—
	28	106·3	108·6	109·2	109·9	109·9	109·9	112·9	110·3	111·9	111·2	110·5	108·3	—
	29	110·6	110·6	109·0	106·9	109·9	108·5	108·5	108·9	109·4	109·5	109·3	109·0	—
	30	106·7	107·9	107·9	108·7	109·6	109·7	110·5	107·7	—	109·1	106·6	107·6	—
	31	106·0	107·2	107·3	108·0	109·0	100·0	109·0	109·0	108·7	107·9	107·6	107·6	—
Hourly Means	110·21	110·24	110·89	111·48	111·57	111·91	112·02	111·58	111·81	111·06	110·95	110·00	—	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.														
JULY.	1	53·1	53·1	53·0	53·0	52·0	52·8	52·8	52·6	52·5	52·5	52·5	52·6	
	2	52·2	52·0	51·8	51·4	51·2	51·0	50·8	50·6	50·3	50·1	49·8	49·7	
	3	50·4	50·2	50·0	50·0	49·8	49·8	49·6	49·4	49·3	49·2	49·1	49·0	
	4	50·8	50·8	50·6	50·6	—	—	50·4	50·3	50·3	50·2	50·0	50·0	—
	5	49·6	49·2	48·9	—	—	—	—	—	—	—	—	—	—
	6	—	—	—	46·5	46·3	46·2	46·1	46·0	45·8	45·4	45·2	45·0	—
	7	47·1	47·1	47·1	47·1	47·0	46·8	46·8	46·8	46·5	46·5	46·5	46·5	—
	8	49·2	49·4	49·4	49·4	49·4	49·4	49·5	49·6	49·7	49·7	49·8	49·8	—
	9	52·0	51·6	51·5	51·1	56·7	50·3	50·1	49·8	49·4	49·0	48·8	48·4	—
	10	49·3	49·0	48·7	48·6	48·2	47·8	47·5	47·0	46·6	46·2	45·9	45·5	—
	11	45·8	45·4	45·4	45·2	45·0	44·6	44·2	44·1	43·9	43·6	43·2	42·8	—
	12	45·6	45·6	45·7	—	—	—	—	—	—	—	—	—	—
	13	—	—	—	46·2	46·4	46·6	46·6	46·7	46·8	46·8	47·0	47·5	—
	14	52·4	52·0	52·0	51·8	51·6	51·4	51·4	51·2	51·0	50·8	50·6	50·3	—
	15	50·0	50·0	49·8	49·8	—	49·6	49·6	49·4	49·0	48·8	48·8	48·4	—
	16	50·9	50·8	50·6	50·3	50·0	49·8	49·4	49·2	48·8	48·5	48·2	48·2	—
	17	47·8	47·6	47·4	47·2	47·0	46·9	46·8	46·6	46·4	46·2	46·1	46·0	—
	18	48·2	48·2	48·2	48·3	48·3	48·2	48·0	47·9	—	47·5	47·4	47·2	—
	19	48·9	48·7	48·4	—	—	—	—	—	—	—	—	—	—
	20	—	—	—	48·2	48·2	48·4	48·4	48·4	48·4	48·3	48·3	48·2	—
	21	48·3	48·2	48·0	47·8	—	47·5	47·4	47·3	47·2	47·0	47·0	47·0	—
	22	47·6	47·6	47·4	47·4	47·4	47·3	47·2	47·1	46·8	46·5	46·3	46·4	—
	23	47·1	46·9	46·7	46·3	—	45·7	45·6	45·3	45·2	45·0	44·8	44·8	—
	24	49·0	49·2	49·4	49·5	49·5	49·8	49·8	49·9	50·0	49·8	49·8	49·8	—
	25	51·5	51·7	51·4	51·1	50·8	50·4	50·0	49·6	—	48·6	—	48·2	—
	26	48·2	48·0	47·8	—	—	—	—	—	—	—	—	—	—
	27	—	—	—	48·0	48·0	47·9	48·1	48·1	48·0	47·8	48·0	47·6	—
	28	50·6	50·4	50·1	50·0	49·8	49·6	49·4	49·2	49·0	48·7	48·5	48·7	—
	29	50·2	50·2	50·4	50·2	50·0	50·0	49·9	49·8	49·8	49·6	49·5	49·3	—
	30	50·4	50·4	50·2	50·0	50·0	49·8	49·6	49·3	—	48·6	48·4	48·2	—
	31	50·3	50·3	50·3	50·3	50·2	50·0	50·0	50·0	49·8	49·5	49·3	49·2	—
Hourly Means	49·50	49·40	49·27	49·08	49·03	48·76	48·70	48·56	48·35	48·16	48·03	47·94	—	

* Unusual vibration.

VERTICAL FORCE.

One Scale Division = '000061 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 103'1	Sc. Div. 102'7	Sc. Div. 102'7	Sc. Div. 104'6	Sc. Div. 106'6	Sc. Div. 106'0	Sc. Div. 106'0	Sc. Div. 106'0	Sc. Div. 106'0	Sc. Div. 106'0	Sc. Div. 107'1	Sc. Div. 108'0	Sc. Div. 105'27
108'8	108'4	109'8	110'3	110'6	112'1	112'9	114'0	110'0	109'0	110'1	109'0	109'75
109'0	109'5	108'9	108'5	108'5	110'1	110'1	108'7	107'5	107'5	108'7	110'1	109'97
107'7	106'3	107'2	109'1	112'2	114'1	111'4	109'1	107'2	107'0	107'2	107'7	109'09
—	—	—	—	—	—	—	—	—	—	—	—	116'22
116'3	115'6	115'7	118'4	119'3	118'2	114'0	113'6	114'0	115'2	116'9	113'8	114'06
112'5	116'3	112'8	112'1	112'1	113'4	113'4	112'3	109'8	109'8	109'8	110'9	108'88
106'4	106'7	106'7	105'4	106'5	111'7	112'3	105'7	107'1	107'7	105'3	105'3	109'69
111'8	111'8	110'5	111'1	110'9	108'8	109'1	108'9	108'8	109'5	108'8	111'4	114'29
113'6	113'2	114'3	115'3	116'1	—	118'7	117'6	116'5	114'8	115'3	115'3	118'00
116'2	118'3	119'5	119'0	119'0	118'7	120'1	116'8	117'0	116'5	114'4	114'7	110'05
—	—	—	—	—	—	—	—	—	—	—	—	106'73
107'6	108'3	107'8	107'0	106'1	105'4	107'0	105'5	104'5	105'1	103'5	104'0	108'20
105'7	106'5	108'2	110'0	—	111'6	110'4	109'5	109'2	109'5	110'7	109'4	108'90
108'1	107'3	107'9	110'0	109'7	108'9	107'3	106'5	106'1	106'1	105'7	105'7	112'03
107'9	108'4	109'3	110'1	111'9	111'9	112'7	112'7	111'4	110'2	109'4	110'7	111'85
112'0	111'2	112'1	112'1	113'1	113'7	114'7	112'0	108'7	108'7	—	108'1	111'59
113'0	114'2	113'5	113'5	112'6	111'1	110'8	110'9	109'6	113'6	110'7	109'2	113'89
—	—	—	—	—	—	—	—	—	—	—	—	113'55
109'5	109'5	109'5	110'6	113'4	111'1	109'4	112'1	110'9	110'9	111'9	111'0	114'30
111'5	111'5	113'2	115'0	115'0	115'0	115'0	114'0	114'0	112'9	112'9	112'9	111'90
112'7	113'6	114'5	114'8	115'2	114'6	113'2	112'9	111'1	109'9	112'9	114'8	111'24
113'9	114'4	114'0	115'0	115'4	114'4	116'9	113'7	109'5	109'1	109'1	109'1	111'22
105'1	107'7	108'6	113'3	114'8	114'8	120'3	118'2	117'5	119'5	119'7	115'5	110'57
109'7	109'7	110'7	112'9	114'8	115'6	115'0	114'3	113'9	114'2	113'0	112'4	108'97
—	—	—	—	—	—	—	—	—	—	—	—	108'58
110'5	107'5	109'2	109'3	111'5	113'2	114'0	110'8	108'8	108'9	108'0	109'4	108'12
108'3	110'6	111'6	112'7	112'7	114'6	112'9	111'9	110'0	109'4	109'4	110'6	—
109'2	109'8	109'8	109'8	110'7	111'1	110'7	108'8	107'1	106'2	105'4	106'6	—
107'6	108'3	107'9	108'8	110'2	111'0	109'9	108'7	108'7	108'7	108'7	106'9	—
107'6	106'1	106'7	107'6	110'9	110'9	108'4	108'4	108'4	108'4	108'4	106'9	—
109'83	110'13	110'47	111'34	112'30	112'38	112'47	111'24	110'27	110'16	110'12	109'98	111'00

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

52'6	52'6	52'8	52'9	52'8	53'2	53'2	53'0	52'8	52'6	52'5	52'4	52'79
49'4	49'5	49'8	50'2	50'2	50'3	50'4	50'6	50'6	50'7	50'7	50'7	50'58
48'8	49'0	49'2	49'8	50'2	50'4	50'4	50'6	50'8	50'8	50'8	51'0	49'90
50'0	50'0	50'0	50'2	50'1	50'3	50'4	50'4	50'3	50'2	50'1	49'9	50'27
—	—	—	—	—	—	—	—	—	—	—	—	46'45
45'0	45'0	45'5	45'8	46'1	46'2	46'6	46'7	46'8	46'9	47'0	47'0	47'55
46'6	47'5	47'6	48'0	47'6	48'2	48'8	49'0	49'0	49'0	49'2	49'2	50'58
49'5	50'2	50'7	51'3	51'5	52'1	52'3	52'5	52'6	52'5	52'3	52'2	49'79
48'2	48'4	48'7	49'0	49'2	49'5	49'8	49'8	50'0	50'0	49'9	49'7	46'62
45'3	45'2	45'2	45'3	45'4	—	45'8	45'8	46'0	46'0	46'0	46'0	44'32
42'8	42'7	42'8	43'2	43'6	44'0	44'5	45'0	45'2	45'5	45'6	45'6	48'37
—	—	—	—	—	—	—	—	—	—	—	—	50'70
47'8	48'1	48'7	49'4	50'0	50'5	51'0	51'4	51'4	51'6	51'6	51'8	49'60
50'2	50'0	49'8	50'0	—	49'9	49'8	49'8	50'0	50'0	50'0	50'0	48'72
48'3	48'3	48'5	48'8	49'5	49'9	50'2	50'6	50'7	50'9	50'9	51'0	46'91
48'0	47'8	47'8	47'8	47'8	47'8	47'8	48'0	48'0	48'0	48'0	47'8	48'27
45'8	45'8	46'0	46'5	46'8	47'1	47'4	47'6	47'8	48'0	—	48'2	48'56
47'0	47'2	48'0	48'2	48'5	48'8	49'0	49'2	49'4	49'2	49'2	49'1	47'38
—	—	—	—	—	—	—	—	—	—	—	—	47'04
48'2	48'2	48'2	48'6	49'0	49'0	49'1	49'1	49'0	48'9	48'8	48'5	46'42
46'8	46'8	46'8	47'0	47'2	47'4	47'4	47'4	47'6	47'6	47'5	47'6	50'14
46'5	46'7	46'7	46'7	46'8	47'1	47'1	47'2	47'3	47'3	47'3	47'2	49'19
45'0	45'1	45'5	45'8	46'5	47'2	47'4	47'8	48'3	48'5	48'5	48'7	48'57
49'5	49'7	49'6	50'0	50'2	58'6	51'0	51'2	51'4	51'5	51'5	51'6	49'32
47'8	47'6	47'6	47'8	48'2	48'2	48'4	48'7	48'7	48'8	48'7	48'4	49'95
—	—	—	—	—	—	—	—	—	—	—	—	49'47
47'5	48'0	48'0	48'5	48'9	49'2	49'7	49'9	50'1	50'1	50'1	50'1	49'73
48'5	48'4	48'4	48'4	48'5	48'8	49'2	49'5	49'8	50'0	50'0	50'2	48'78
49'2	49'2	49'2	49'4	49'8	50'0	50'2	50'4	50'6	50'6	50'6	50'5	—
48'0	48'0	48'6	49'2	49'3	49'5	49'8	49'8	50'1	50'2	50'2	50'2	—
49'3	49'3	49'5	49'5	49'8	49'6	49'8	49'8	49'6	49'6	49'4	49'2	—
47'84	47'94	48'12	48'16	48'60	49'03	49'13	49'29	49'40	49'44	49'48	49'40	48'78

VERTICAL FORCE.													
One Scale Division = '000061 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = 00021.													
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
AUGUST.	1	108.2	113.8	108.4	105.9	112.8	100.8	113.3	112.7	110.9	111.4	110.9	114.0
	2	107.5	109.2	111.5	—	—	—	—	—	—	—	—	—
	3	—	—	—	113.4	113.4	114.8	115.0	111.8	112.3	112.5	113.2	109.0
	4	113.0	118.5	111.9	111.0	113.4	111.1	114.9	114.7	114.5	114.9	113.8	112.5
	5	112.0	109.9	103.1	112.2	111.0	110.7	110.7	112.8	112.8	112.0	110.3	110.3
	6	106.7	107.6	108.9	111.2	111.2	111.2	110.4	110.4	—	110.4	110.4	110.4
	7	108.2	108.2	108.2	108.2	108.7	110.2	109.6	109.6	110.0	109.3	108.6	108.7
	8	112.7	108.6	112.4	112.4	113.1	113.3	114.4	114.8	—	114.8	112.9	112.9
	9	117.3	118.7	118.3	—	—	—	—	—	—	—	—	—
	10	—	—	—	115.5	116.2	117.0	117.0	116.0	—	115.2	114.7	114.2
	11	105.5	108.0	108.0	108.2	109.0	109.0	109.4	109.1	109.1	109.1	108.1	108.7
	12	104.5	105.4	106.0	106.1	106.1	107.6	108.8	108.0	108.0	—	107.5	105.8
	13	113.7	113.7	113.7	117.3	113.8	115.6	115.6	115.4	115.2	114.7	114.1	113.7
	14	108.8	109.9	109.4	109.4	108.5	110.1	110.2	110.8	110.8	109.7	107.9	106.3
	15	112.0	110.7	110.8	106.4	—	107.9	108.4	108.4	109.5	112.9	112.3	113.0
	16	115.5	115.5	116.3	—	—	—	—	—	—	—	—	—
	17	—	—	—	112.5	115.2	115.4	113.1	112.8	112.8	115.0	110.2	108.8
	18	102.8	106.0	106.9	112.8	112.8	112.8	112.8	114.6	114.6	112.2	111.4	111.7
	19	112.9	114.7	116.6	117.2	116.8	115.8	115.8	115.1	115.1	114.6	114.1	113.6
	20	110.7	110.1	110.4	109.1	110.7	111.0	111.0	111.6	111.6	111.6	110.6	110.6
	21	107.4	107.9	108.5	108.3	—	107.2	110.1	111.0	110.6	111.4	109.6	109.0
	22	112.6	113.1	112.6	114.3	114.3	115.0	115.0	114.9	116.6	114.4	114.1	112.0
	23	108.7	110.3	111.6	—	—	—	—	—	—	—	—	—
	24	—	—	—	106.4	106.4	106.2	a—	a—	a—	110.7	110.0	108.4
	25	107.9	110.1	110.1	111.1	—	111.1	110.8	111.1	110.5	109.7	108.6	105.6
	26	102.4	104.0	104.9	105.8	100.1	100.4	109.4	111.2	109.3	105.2	105.6	105.6
	27	106.4	107.2	107.0	108.1	—	108.6	108.6	108.6	108.4	108.3	107.3	105.5
	28	103.1	103.1	104.0	104.7	104.7	104.9	105.1	104.3	103.6	102.7	104.6	104.3
	29	101.3	108.0	99.3	105.0	102.4	102.6	103.8	100.8	—	102.0	116.1	97.6
	30	108.3	99.0	103.0	—	—	—	—	—	—	—	—	—
	31	—	—	—	107.4	107.9	107.9	110.3	109.4	109.1	108.3	112.3	112.3
Hourly Means	108.85	109.66	109.30	110.00	110.39	109.93	111.34	111.20	111.20	110.92	110.74	109.40	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
AUGUST.	1	49.0	49.0	48.8	48.6	48.5	48.8	48.8	48.8	48.8	48.5	48.1	48.0
	2	49.8	49.6	49.6	—	—	—	—	—	—	—	—	—
	3	—	—	—	47.8	47.8	47.6	47.6	47.6	47.6	47.5	47.5	47.7
	4	49.4	49.3	49.0	48.5	48.4	48.0	47.8	47.5	47.3	47.0	46.9	46.9
	5	49.8	49.8	49.8	49.6	49.3	49.1	48.8	48.6	48.4	48.2	47.8	47.6
	6	50.0	49.9	49.7	49.4	49.0	48.8	48.6	48.5	—	48.2	48.0	47.8
	7	50.6	50.6	50.6	50.5	50.4	50.2	50.0	48.8	49.5	49.1	48.8	48.7
	8	48.2	48.2	48.0	47.8	47.7	47.5	47.2	47.1	—	46.6	46.4	46.2
	9	46.0	45.8	45.6	—	—	—	—	—	—	—	—	—
	10	—	—	—	46.4	46.3	46.3	46.3	46.2	—	46.0	46.0	46.0
	11	50.5	50.5	50.5	50.3	50.1	50.0	50.0	50.0	49.8	49.8	49.6	49.6
	12	51.9	51.7	51.3	51.0	50.6	50.2	49.8	49.8	49.5	—	49.2	49.2
	13	47.8	47.4	47.2	47.0	46.7	46.6	46.4	46.2	46.0	45.8	45.6	45.4
	14	49.2	49.2	49.2	49.0	49.0	49.0	48.9	48.8	48.8	48.6	48.6	48.5
	15	50.2	50.0	49.7	49.4	—	48.5	48.2	47.8	47.5	47.2	47.2	47.0
	16	47.0	46.8	46.6	—	—	—	—	—	—	—	—	—
	17	—	—	—	48.5	48.5	48.3	48.2	48.0	47.8	47.6	47.6	47.5
	18	50.5	50.3	50.0	49.8	49.4	49.0	48.6	48.4	48.1	47.9	47.5	47.3
	19	47.0	46.8	46.6	46.6	46.4	46.3	46.1	46.1	46.0	45.8	45.8	45.8
	20	49.6	49.5	49.3	49.0	49.0	48.8	48.6	48.2	48.0	47.8	47.8	47.6
	21	50.2	50.1	50.1	50.0	—	49.4	49.2	49.0	48.7	48.3	48.0	48.0
	22	47.8	47.4	47.2	46.8	46.4	46.0	45.7	45.4	45.0	44.8	44.5	44.4
	23	49.0	49.2	49.3	—	—	—	—	—	—	—	—	—
	24	—	—	—	51.2	50.6	50.0	—	—	—	—	48.7	48.2
	25	50.2	50.0	49.8	49.8	—	49.6	49.4	49.1	48.9	48.8	48.7	48.6
	26	51.9	51.6	51.5	51.2	51.2	51.2	51.1	50.8	50.4	50.0	49.8	49.6
	27	50.8	50.6	50.3	50.2	—	49.8	49.4	49.2	49.2	49.0	48.8	49.0
	28	52.6	52.4	52.2	52.0	51.7	51.5	51.3	51.3	51.3	51.0	51.0	51.0
	29	53.8	53.5	53.3	53.3	53.0	53.0	52.6	52.2	—	51.6	51.4	51.6
	30	53.3	53.0	52.8	—	—	—	—	—	—	—	—	—
	31	—	—	—	50.3	50.1	49.9	49.6	49.5	49.3	49.2	49.1	49.2
Hourly Means	49.85	49.70	49.54	49.38	49.10	48.98	48.72	48.51	48.38	48.12	47.99	47.94	

* Vibrating.

VERTICAL FORCE.

One Scale Division = '000061 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah. = '00021.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 112'2	Sc. Div. 110'4	Sc. Div. 111'3	Sc. Div. 114'0	Sc. Div. 115'8	Sc. Div. 117'2	Sc. Div. 117'9	Sc. Div. 113'0	Sc. Div. 112'8	Sc. Div. 109'8	Sc. Div. 109'2	Sc. Div. 108'6	Sc. Div. 111'47
—	—	—	—	—	—	—	—	—	—	—	—	—
106'5	108'3	109'0	111'5	110'6	110'6	110'6	111'8	117'5	115'6	112'0	115'7	111'39
112'3	112'3	113'4	112'1	115'0	115'9	114'8	110'4	110'4	109'0	107'3	108'4	112'73
109'2	109'2	110'3	109'6	111'8	111'3	111'4	110'3	108'0	107'5	107'7	107'2	110'05
109'6	109'5	110'7	110'2	110'2	110'2	112'4	113'4	115'5	110'9	106'4	106'4	110'18
108'7	112'0	109'6	113'8	110'3	110'6	110'0	111'6	113'5	115'3	113'4	113'4	110'40
113'5	114'0	115'5	116'7	120'0	115'0	115'1	116'1	117'2	117'1	114'2	117'1	114'51
—	—	—	—	—	—	—	—	—	—	—	—	—
113'7	114'1	113'8	110'6	110'6	110'6	110'8	111'1	111'1	111'0	108'7	107'4	113'63
106'8	107'2	107'2	107'6	106'6	105'4	105'6	104'8	104'5	103'7	104'2	104'3	107'05
105'6	106'6	107'5	107'0	108'9	111'6	112'4	110'1	110'1	108'6	112'5	113'9	108'20
114'9	114'7	113'7	113'2	114'3	114'2	112'8	110'7	110'0	108'2	108'7	108'7	113'33
105'8	104'8	105'3	106'2	107'0	112'2	111'6	108'7	109'0	110'8	111'5	112'8	109'06
113'0	112'7	114'7	113'5	113'5	115'4	115'4	114'5	113'2	113'2	114'0	114'9	112'19
—	—	—	—	—	—	—	—	—	—	—	—	—
112'0	110'0	110'0	112'0	116'2	113'2	113'5	112'5	114'2	114'2	112'0	107'5	112'93
111'8	114'0	114'9	116'6	117'4	117'4	114'8	114'8	114'1	112'0	113'1	113'9	112'76
113'6	113'6	113'2	112'6	113'3	114'9	114'2	112'9	108'1	108'1	108'4	110'7	113'58
110'7	112'0	113'1	113'1	112'9	112'5	110'6	110'1	109'5	108'5	107'6	107'2	110'70
109'0	109'4	109'6	110'6	112'3	112'3	114'0	112'6	110'1	109'5	109'5	110'9	110'03
113'1	115'2	117'7	116'2	116'1	119'3	118'4	115'9	114'8	115'4	111'1	108'7	114'62
—	—	—	—	—	—	—	—	—	—	—	—	—
108'0	108'8	108'8	110'8	114'0	113'4	111'6	110'4	110'4	110'4	111'3	111'7	109'92
104'6	110'2	109'6	109'1	107'3	106'5	105'3	103'5	101'6	100'6	99'9	99'8	107'16
107'4	105'8	106'5	107'5	108'8	108'8	108'7	107'2	107'3	105'5	106'0	105'0	106'18
104'6	104'8	104'3	105'2	106'5	106'9	104'0	101'4	100'9	101'8	100'8	102'6	105'56
104'3	103'6	103'9	102'9	104'0	104'8	103'6	102'7	103'0	106'3	106'1	100'9	103'97
99'9	105'5	99'9	101'1	99'9	101'2	102'1	102'4	106'7	111'0	103'2	108'2	103'48
—	—	—	—	—	—	—	—	—	—	—	—	—
107'6	105'6	107'1	112'9	112'2	109'0	106'7	104'1	104'2	101'8	103'7	105'7	107'32
109'17	109'78	110'02	110'64	111'37	111'55	111'09	109'88	109'91	109'45	108'56	108'91	110'12

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

48'0	48'0	48'4	48'7	49'0	49'3	49'7	49'9	50'0	50'0	50'0	50'0	48'95
—	—	—	—	—	—	—	—	—	—	—	—	—
47'8	48'0	48'1	48'4	48'8	48'8	49'2	49'2	49'4	49'2	49'2	49'3	48'46
46'8	46'8	47'3	47'8	48'2	48'3	48'8	49'2	49'5	49'6	49'8	49'8	48'25
47'6	47'8	48'0	48'7	49'0	49'6	49'9	50'1	50'3	50'4	50'3	50'2	49'11
47'5	47'6	47'7	48'0	48'4	48'8	49'2	49'6	50'0	50'4	50'4	50'5	48'96
48'5	48'5	48'7	48'8	49'0	49'0	48'8	49'0	48'8	48'7	48'5	48'3	49'27
46'0	45'8	46'0	46'2	46'2	46'3	46'3	46'2	46'2	46'2	46'1	46'1	46'72
—	—	—	—	—	—	—	—	—	—	—	—	—
46'2	46'2	46'5	47'2	47'9	48'2	48'8	49'0	49'3	49'6	49'8	49'8	47'20
49'6	49'8	50'2	50'7	51'1	51'3	51'6	51'9	51'9	52'0	52'1	52'0	50'62
49'1	49'1	49'0	49'0	48'8	48'8	48'8	48'8	48'6	48'4	48'2	48'0	49'51
45'6	45'7	46'0	46'7	47'2	47'5	48'0	48'5	48'7	48'9	49'0	49'2	47'05
48'8	48'8	49'2	49'8	50'0	50'1	50'3	50'4	50'6	50'6	50'5	50'3	49'42
46'8	46'5	46'4	46'6	47'0	47'0	47'1	47'2	47'4	47'4	47'2	47'2	47'67
—	—	—	—	—	—	—	—	—	—	—	—	—
47'7	48'0	48'3	48'8	49'0	49'2	49'7	50'0	50'2	50'2	50'3	50'3	48'50
47'0	46'8	46'8	46'6	46'6	46'6	46'6	46'8	46'8	47'0	47'0	47'0	47'85
46'0	46'2	46'8	47'4	48'0	48'7	49'0	49'6	49'8	49'8	49'8	49'7	47'34
47'3	47'2	47'2	47'3	47'8	48'0	48'6	49'0	49'4	49'7	49'9	50'1	48'53
47'9	47'8	47'8	47'8	47'8	47'8	48'0	48'0	48'2	48'2	48'2	48'0	48'54
44'2	44'2	44'5	45'0	45'5	46'2	46'8	47'2	47'6	48'2	48'5	48'8	46'17
—	—	—	—	—	—	—	—	—	—	—	—	—
48'0	48'2	48'2	48'5	48'8	49'0	49'2	49'4	49'6	49'6	49'8	49'8	49'18
48'5	48'4	48'7	49'2	49'7	50'4	50'8	50'8	51'6	51'8	51'8	51'9	49'85
49'5	49'3	49'5	49'7	50'0	50'2	50'4	50'7	50'9	50'9	50'9	50'9	50'55
49'2	49'8	50'2	51'0	51'4	51'8	52'2	52'4	52'6	52'6	52'6	52'6	50'64
51'2	51'4	51'8	52'2	52'5	53'0	53'4	53'8	54'0	54'0	54'0	54'0	52'27
51'7	52'0	52'3	52'5	52'8	53'0	53'5	53'7	54'0	54'0	53'8	53'6	52'88
—	—	—	—	—	—	—	—	—	—	—	—	—
49'2	49'7	49'8	50'0	50'5	51'0	51'2	51'5	51'8	52'0	52'0	52'0	50'67
47'91	47'98	48'21	48'56	48'89	49'15	49'46	49'69	49'90	49'98	49'99	49'98	49'00

VERTICAL FORCE.													
One Scale Division = '000062 parts of the V. F. Change in the magnetic moment of the Bar for 1° Fah. = '00021.													
Mean Göttingen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
SEPTEMBER.	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	101·7	105·7	105·7	105·4	103·3	101·4	105·8	103·0	103·0	104·3	101·3	104·8
	2	101·0	103·8	104·7	98·4	97·9	102·6	103·8	101·9	101·6	101·2	105·2	101·5
	3	93·0	101·9	99·4	97·7	97·7	97·9	102·2	102·5	100·7	101·7	101·2	98·5
	4	108·7	105·0	104·1	101·5	101·5	—	106·0	108·9	108·0	109·0	109·2	109·5
	5	103·4	105·9	105·9	106·8	106·9	107·3	106·6	107·0	107·8	108·7	104·6	105·7
	6	103·2	103·9	103·3	—	—	—	—	—	—	—	—	—
	7	—	—	—	105·3	94·9	98·9	106·9	109·7	106·1	105·4	108·8	103·4
	8	99·2	96·8	103·4	102·3	103·2	104·0	104·3	105·8	104·8	102·4	102·9	101·5
	9	91·2	96·4	97·5	98·1	98·8	98·9	100·6	100·2	100·7	100·0	97·8	98·0
	10	94·2	94·2	94·4	94·4	95·9	94·3	95·6	95·5	95·5	95·5	97·3	96·6
	11	104·9	106·2	107·2	101·8	106·1	109·7	—	110·9	109·3	—	109·0	108·3
	12	109·9	107·7	107·7	107·5	106·0	100·0	107·3	107·3	103·7	102·6	103·6	102·4
	13	101·3	102·8	99·6	—	—	—	—	—	—	—	—	—
	14	—	—	—	98·2	98·2	98·2	98·4	98·6	98·6	99·1	97·4	96·6
	15	96·0	a	100·8	103·9	103·9	104·1	108·0	104·3	104·5	104·0	104·3	104·1
	16	103·8	104·5	105·0	106·0	108·0	108·0	107·8	107·4	—	108·0	107·1	107·5
	17	100·4	99·9	101·8	101·9	101·9	102·3	102·3	102·0	100·7	100·5	99·2	102·3
	18	103·8	104·5	105·4	105·0	105·0	105·4	105·4	104·6	105·6	105·1	106·9	107·1
	19	98·4	98·0	98·1	93·0	—	—	—	97·0	98·5	98·5	101·0	95·3
	20	92·5	94·7	94·8	—	—	—	—	—	—	—	—	—
	21	—	—	—	103·1	103·3	101·9	101·9	103·4	103·7	103·5	103·6	104·3
	22	96·6	99·7	100·0	100·6	101·2	101·5	102·8	103·0	103·0	103·0	103·0	103·0
	23	91·8	92·7	93·9	94·4	95·3	95·3	98·0	96·4	97·1	99·4	100·7	100·9
	24	106·1	108·7	106·8	108·3	107·4	106·6	107·5	107·3	104·6	101·9	103·2	107·2
	25	100·0	115·2	78·6	101·6	100·8	105·4	84·2	92·0	97·6	96·3	99·8	101·9
	26	95·5	96·4	96·2	96·5	95·5	97·0	98·7	98·7	98·3	99·5	98·6	98·0
	27	98·9	98·9	102·7	—	—	—	—	—	—	—	—	—
	28	—	—	—	99·0	98·9	98·5	98·9	93·8	95·5	96·3	97·5	99·0
	29	100·5	103·4	103·5	102·7	103·8	102·4	100·7	103·2	102·7	102·4	103·4	103·4
30	103·0	104·3	103·2	104·3	105·3	105·3	105·0	105·0	—	104·6	105·0	105·1	
Hourly Means	99·96	102·05	100·91	101·45	101·63	101·95	102·45	102·67	102·15	102·12	102·75	102·53	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
SEPTEMBER.	1	52·2	52·2	52·2	52·2	52·1	52·1	52·2	52·2	52·0	52·0	51·8	
	2	54·2	54·0	53·8	53·7	53·4	53·2	52·8	52·6	52·5	52·2	52·0	52·2
	3	55·4	55·4	55·4	55·2	55·1	55·0	55·0	54·8	54·7	54·3	54·0	53·9
	4	53·4	53·0	52·5	52·3	52·0	—	50·8	50·4	49·9	49·6	49·2	49·0
	5	52·2	52·2	52·0	51·8	51·6	51·3	51·0	50·8	50·5	50·3	50·0	50·2
	6	53·3	53·1	52·9	—	—	—	—	—	—	—	—	—
	7	—	—	—	52·3	52·1	52·2	52·0	51·6	51·4	51·0	50·8	50·6
	8	55·1	54·8	54·5	54·1	53·8	53·2	52·8	52·6	52·2	51·8	51·5	51·5
	9	56·0	56·0	55·9	55·8	55·4	55·2	55·0	54·8	54·2	53·8	53·6	53·3
	10	58·0	58·0	58·0	57·8	58·0	57·8	57·6	57·3	57·0	56·8	56·2	56·0
	11	52·7	52·3	51·8	51·3	51·0	50·4	—	49·8	49·4	—	48·8	48·7
	12	51·4	51·4	51·4	51·4	51·3	51·4	51·4	51·4	51·3	51·2	51·1	51·1
	13	54·4	54·1	53·8	—	—	—	—	—	—	—	—	—
	14	—	—	—	55·0	55·0	55·0	55·2	55·4	55·4	55·2	55·1	55·0
	15	54·2	—	53·2	52·8	52·3	51·8	51·5	51·3	51·0	50·7	50·4	50·2
	16	50·8	50·5	50·4	50·2	50·0	49·8	49·6	49·3	—	48·8	48·6	48·8
	17	53·0	53·0	52·8	52·7	52·6	52·4	52·2	52·0	51·8	51·7	51·6	51·6
	18	51·2	51·4	51·2	51·2	51·0	50·9	50·8	50·7	50·3	50·2	50·0	50·1
	19	55·0	55·0	55·0	54·8	—	—	—	54·8	54·2	54·2	54·2	54·2
	20	58·0	57·4	57·0	—	—	—	—	—	—	—	—	—
	21	—	—	—	53·2	53·0	52·5	52·3	52·0	51·7	51·4	51·3	51·3
	22	54·5	54·2	54·0	53·6	53·2	53·0	52·6	52·2	51·8	51·4	51·2	51·2
	23	57·2	57·1	57·0	56·7	56·4	55·8	55·2	54·8	54·2	53·6	53·1	52·7
	24	50·6	50·4	50·2	49·8	49·6	49·5	49·2	49·1	49·0	49·0	49·0	49·1
	25	55·8	56·0	56·0	55·5	55·6	55·4	55·4	55·2	55·1	55·1	54·9	54·6
	26	57·8	57·7	57·5	57·3	57·0	56·8	56·4	56·4	56·0	56·0	55·8	56·0
	27	56·2	56·0	55·4	—	—	—	—	—	—	—	—	—
	28	—	—	—	55·8	55·8	55·8	55·8	55·8	55·8	56·0	55·8	56·0
	29	54·1	54·0	53·8	53·6	53·4	53·0	52·8	52·6	52·3	52·2	52·2	52·2
	30	52·4	52·4	52·4	52·4	52·4	52·4	52·4	52·4	—	52·5	52·3	52·5
Hourly Means	54·20	54·10	53·85	53·55	53·32	53·17	53·00	52·78	52·65	52·44	52·11	52·07	

* Vibrating.

VERTICAL FORCE.

One Scale Division = '000062 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah. = '00021.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 103'3	Sc. Div. 104'4	Sc. Div. 106'2	Sc. Div. 109'4	Sc. Div. 109'6	Sc. Div. 108'9	Sc. Div. 109'3	Sc. Div. 106'1	Sc. Div. 102'7	Sc. Div. 103'1	Sc. Div. 101'6	Sc. Div. 98'6	Sc. Div. 104'52
106'0	105'6	104'2	103'0	101'4	99'4	102'4	98'6	102'3	97'7	96'8	98'1	101'63
99'5	100'7	101'0	100'0	101'1	103'1	103'9	105'3	104'8	102'3	99'0	96'1	100'47
109'0	109'2	107'1	109'0	111'6	109'6	108'7	107'1	104'4	103'4	102'7	102'7	106'78
105'5	104'9	105'3	106'6	106'8	105'9	105'7	104'8	104'5	102'1	100'9	99'2	105'37
—	—	—	—	—	—	—	—	—	—	—	—	—
102'5	105'7	108'9	107'9	107'1	108'5	107'0	101'1	98'2	100'4	104'8	101'8	104'32
99'8	101'5	106'6	103'8	103'8	102'6	101'4	100'9	100'6	100'6	98'8	97'1	102'00
98'2	101'5	102'4	102'4	101'7	101'6	100'4	97'2	95'3	93'0	93'0	—	98'47
97'1	99'0	101'4	102'0	103'3	104'2	101'0	100'6	100'2	100'7	101'3	102'1	98'18
108'6	109'2	109'5	110'5	111'1	114'3	112'2	109'7	104'5	104'5	104'5	107'3	108'15
103'5	105'8	108'4	106'5	104'8	102'1	101'8	100'5	101'1	104'2	100'7	100'2	104'39
—	—	—	—	—	—	—	—	—	—	—	—	—
97'3	99'0	99'1	99'3	100'8	100'8	98'2	97'5	97'5	97'5	97'5	97'2	98'70
105'0	106'2	108'8	108'7	106'5	106'5	105'3	105'3	105'3	104'2	103'4	103'6	104'64
105'8	106'4	106'8	107'9	107'4	104'5	102'8	100'2	99'0	98'9	100'0	99'8	04'90
108'8	105'6	107'4	102'8	102'8	104'7	107'7	109'1	116'7	116'7	112'3	104'3	04'75
109'0	107'1	108'0	108'2	108'6	109'8	104'0	104'8	105'0	102'5	99'4	99'4	05'40
96'2	95'5	95'6	95'5	95'6	94'8	93'2	93'9	93'5	92'3	91'6	92'0	95'60
—	—	—	—	—	—	—	—	—	—	—	—	—
103'7	104'9	106'0	106'0	105'8	104'6	103'0	101'0	100'5	99'5	98'2	98'7	101'77
103'9	105'4	106'6	106'6	105'2	102'9	99'3	95'3	92'9	91'9	91'6	91'8	100'45
99'9	101'7	104'4	107'0	106'9	109'0	109'0	105'8	102'6	102'1	103'1	105'0	100'52
107'5	109'6	108'5	109'5	108'8	108'4	108'2	110'1	96'7	112'8	110'1	104'8	107'11
100'0	98'9	101'7	97'8	101'7	101'7	94'6	97'7	96'1	97'1	94'5	93'8	97'87
98'4	99'1	97'9	96'9	97'0	95'0	94'8	97'3	97'1	97'5	98'2	102'4	97'52
—	—	—	—	—	—	—	—	—	—	—	—	—
99'1	98'4	99'1	99'1	98'9	99'9	100'7	102'7	101'8	104'1	104'3	99'2	99'38
105'0	105'0	106'7	107'8	107'8	105'1	105'6	105'0	105'7	103'3	100'6	103'5	103'88
108'0	108'3	110'1	110'3	108'9	105'2	104'1	102'1	102'3	100'5	100'8	103'8	104'98
103'10	103'79	104'91	104'79	104'81	104'35	103'24	102'30	101'20	101'26	100'37	100'10	102'38

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

52'0	52'0	52'0	52'2	52'8	53'1	53'6	23'8	54'0	54'3	54'2	54'2	52'64
52'2	52'3	52'5	52'8	53'2	53'7	54'2	54'8	55'0	55'4	55'4	55'4	53'48
53'8	54'0	54'3	54'4	54'5	54'6	54'7	54'7	54'6	54'3	54'0	53'6	54'58
49'0	49'0	49'3	49'8	50'2	50'8	51'2	51'6	51'9	52'2	52'2	52'4	50'95
50'4	50'5	51'0	51'3	51'8	52'5	53'0	53'2	53'4	53'6	53'4	53'3	51'72
—	—	—	—	—	—	—	—	—	—	—	—	—
50'8	51'0	51'3	52'2	52'7	53'0	53'7	54'1	54'6	54'8	54'7	54'6	52'53
51'6	51'7	52'2	52'5	53'0	53'8	54'4	55'0	55'4	55'6	55'8	56'0	53'54
53'3	53'3	53'6	54'2	54'8	55'5	56'2	56'8	57'2	57'4	57'8	—	55'18
55'7	55'3	55'2	55'0	54'9	54'9	54'7	54'5	54'2	54'0	53'5	53'1	55'98
48'7	49'0	49'6	49'8	50'2	50'8	50'8	51'0	51'2	51'2	51'4	51'4	50'45
51'2	51'2	51'5	51'8	52'2	53'0	53'4	53'8	54'0	54'3	54'4	54'4	52'12
—	—	—	—	—	—	—	—	—	—	—	—	—
55'0	55'0	55'2	55'3	55'4	55'6	55'6	55'8	55'6	55'4	55'2	54'8	55'10
50'4	50'4	50'4	50'7	50'8	50'8	51'0	51'0	51'0	51'1	51'1	51'1	51'26
49'0	49'6	50'0	50'6	51'1	51'7	52'2	52'8	53'0	53'1	53'1	53'0	50'70
51'4	51'5	51'6	51'7	51'6	51'6	51'4	51'4	51'6	51'4	51'4	51'4	51'90
50'2	50'4	50'8	51'1	51'6	52'2	52'8	53'0	53'4	54'5	54'6	54'8	51'60
54'2	54'6	55'2	55'7	56'3	57'0	57'9	58'3	58'8	59'2	58'9	58'6	56'00
—	—	—	—	—	—	—	—	—	—	—	—	—
51'4	51'4	51'4	51'8	52'1	52'5	52'7	53'2	53'6	53'9	54'0	54'0	53'05
51'0	51'0	51'3	51'7	52'5	53'3	54'1	54'8	55'7	56'4	56'8	57'1	53'27
52'5	52'2	52'0	51'8	51'6	51'4	51'4	51'4	51'4	51'2	51'0	51'0	53'45
49'6	50'2	51'0	51'8	52'6	53'3	54'0	54'2	54'8	55'2	55'4	55'6	51'34
54'5	54'6	54'6	54'8	55'2	55'8	56'4	56'8	57'2	57'6	57'8	57'8	55'74
56'0	56'2	56'7	57'0	57'3	57'4	57'7	57'7	57'3	57'1	56'8	56'5	56'85
—	—	—	—	—	—	—	—	—	—	—	—	—
56'0	56'0	56'2	56'2	56'2	56'0	55'7	55'4	55'2	55'0	54'8	54'5	55'72
52'1	52'0	52'1	52'0	52'2	52'2	52'2	52'2	52'2	52'4	52'4	52'4	52'61
52'4	52'4	52'4	52'4	52'4	52'5	52'5	52'5	52'8	53'0	53'2	53'3	52'53
52'09	52'18	52'44	52'72	53'05	53'42	53'75	53'99	54'20	54'37	54'35	54'17	53'25

VERTICAL FORCE.													
One Scale Division = '000061 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah° = '00021.													
Mean Götting- gen Time. }	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
OCTOBER.	1	Sc. Div. 100·6	Sc. Div. 103·4	Sc. Div. 103·4	Sc. Div. 104·1	Sc. Div. 99·1	Sc. Div. 102·6	Sc. Div. 103·7	Sc. Div. 102·5	Sc. Div. 102·5	Sc. Div. 102·5	Sc. Div. 102·5	Sc. Div. 102·8
	2	97·9	100·0	101·2	100·8	101·9	101·9	102·3	102·3	102·3	102·2	102·7	102·5
	3	97·9	98·9	100·2	100·1	100·1	99·6	97·4	98·2	98·2	99·0	97·8	100·7
	4	97·1	96·8	97·6	—	—	—	—	—	—	—	—	—
	5	—	—	—	97·2	97·2	97·0	96·7	96·2	96·9	96·5	96·5	95·0
	6	95·5	96·2	96·0	94·4	100·0	98·7	97·5	97·9	101·1	99·9	98·5	99·6
	7	104·1	105·0	105·0	104·7	107·2	108·0	105·6	a—	—	a—	a—	108·2
	8	104·0	105·4	105·0	105·5	103·7	103·7	103·7	103·0	103·0	103·5	103·0	103·8
	9	102·2	103·0	103·4	102·6	102·6	105·6	105·8	104·5	104·1	106·3	107·6	111·7
	10	105·0	97·3	101·1	104·0	104·7	105·1	103·1	103·2	103·2	104·9	103·7	103·4
	11	100·9	102·9	102·8	—	—	—	—	—	—	—	—	—
	12	—	—	—	94·0	94·7	96·9	97·7	96·8	96·4	97·2	96·9	98·5
	13	89·5	92·0	92·0	91·7	92·6	94·6	94·1	95·5	95·5	98·0	a—	99·1
	14	103·9	103·5	104·8	104·8	—	105·8	106·1	106·1	106·4	106·4	108·2	107·7
	15	100·6	101·7	102·6	102·6	100·2	100·2	104·0	105·3	102·6	102·8	104·3	104·6
	16	99·8	100·0	100·3	99·4	99·8	101·2	101·0	101·1	101·0	100·4	100·4	103·2
	17	103·9	106·8	103·8	99·7	102·8	—	105·7	104·7	107·8	106·5	105·7	106·3
	18	102·8	102·8	103·1	—	—	—	—	—	—	—	—	—
	19	—	—	—	106·4	107·2	108·1	108·2	109·4	109·8	107·9	107·1	108·6
	20	103·8	105·9	106·9	101·1	108·5	108·5	108·5	107·8	107·6	107·4	106·7	106·7
	21	90·9	106·3	101·4	102·4	106·0	107·3	106·1	107·0	106·0	109·3	108·8	106·2
	22	99·9	100·7	101·6	101·9	102·4	99·9	102·2	101·3	101·3	102·9	104·9	104·9
	23	96·6	97·5	98·5	98·8	99·2	98·8	98·8	98·8	100·8	100·6	101·0	101·9
	24	103·2	104·7	106·0	107·3	—	103·2	a—	a—	—	107·2	106·1	104·5
	25	105·7	106·7	106·6	—	—	—	—	—	—	—	—	—
	26	—	—	—	103·8	103·8	104·1	104·8	105·7	—	—	104·9	104·5
	27	95·1	95·5	95·5	93·8	91·6	93·8	92·8	93·6	93·3	92·5	92·5	93·8
	28	78·9	76·9	78·3	79·7	79·6	80·9	80·9	81·6	—	81·5	84·1	85·7
	29	75·2	76·9	76·3	78·2	78·2	78·2	78·2	79·2	78·9	79·9	81·1	82·4
	30	86·4	87·0	83·4	87·9	91·3	91·3	92·4	92·4	93·0	92·1	92·9	94·0
	31	92·6	94·3	94·6	95·5	94·4	95·1	96·4	96·9	96·9	98·5	101·6	108·4
Hourly Means	97·56	98·82	98·94	98·61	98·75	99·62	99·76	99·64	100·37	100·24	100·78	101·80	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
OCTOBER.	1	53·3	53·4	53·5	53·4	53·3	53·3	53·4	53·4	53·4	53·6	53·5	53·4
	2	55·5	55·3	55·0	54·8	54·6	54·2	54·0	53·8	53·5	53·2	53·0	53·3
	3	56·2	56·1	56·0	55·9	55·8	55·5	55·5	55·2	55·2	55·0	54·8	54·6
	4	56·2	56·2	56·0	—	—	—	—	—	—	—	—	—
	5	—	—	—	57·0	56·8	56·6	56·4	56·4	56·2	56·0	55·8	56·0
	6	56·8	56·4	56·0	55·6	55·0	54·5	54·0	54·0	53·5	53·0	52·6	52·1
	7	51·3	51·2	51·0	50·7	50·5	50·0	49·7	—	—	—	—	47·6
	8	51·0	51·2	51·3	51·4	51·5	51·6	51·6	51·8	51·6	51·6	51·6	51·5
	9	52·6	52·5	52·4	52·3	52·2	52·2	52·0	51·8	51·8	51·7	51·6	51·6
	10	53·6	53·5	53·5	53·7	53·5	53·3	53·2	53·2	53·0	52·8	52·6	52·6
	11	55·0	54·9	54·8	—	—	—	—	—	—	—	—	—
	12	—	—	—	57·9	57·8	57·6	57·5	57·4	57·2	57·0	57·0	56·8
	13	59·8	59·8	59·5	59·2	58·9	58·6	58·2	57·9	57·4	57·0	—	56·0
	14	52·9	52·8	52·5	52·2	—	51·8	51·4	51·4	51·2	51·0	50·8	51·0
	15	54·1	54·0	53·9	53·8	53·6	53·4	53·0	52·9	52·4	52·2	52·1	52·1
	16	55·3	55·2	55·0	55·0	54·7	54·7	54·5	54·1	53·8	53·4	53·0	52·6
	17	52·7	52·4	52·3	52·0	51·9	—	51·4	51·4	51·3	51·0	51·2	51·2
	18	52·6	52·6	52·2	—	—	—	—	—	—	—	—	—
	19	—	—	—	50·5	50·2	50·0	49·8	49·6	49·6	49·2	49·2	49·2
	20	53·2	53·0	52·7	52·6	52·2	52·0	51·8	51·4	51·2	51·0	50·8	51·0
	21	53·2	53·0	52·9	53·0	52·8	52·5	52·2	52·0	52·8	52·7	52·4	52·4
	22	55·1	55·1	54·8	54·8	54·7	54·2	53·9	53·6	53·0	53·1	53·0	52·8
	23	58·5	58·2	58·2	58·0	57·8	57·6	57·4	57·0	56·6	56·0	55·5	55·2
	24	55·5	55·2	55·0	54·6	—	54·0	—	—	—	52·3	52·0	52·0
	25	53·5	53·2	53·1	—	—	—	—	—	—	—	—	—
	26	—	—	—	53·2	53·0	52·8	52·6	52·6	52·6	—	52·3	52·5
	27	58·4	58·6	59·0	59·0	59·2	59·5	59·6	59·7	59·8	59·8	59·8	60·0
	28	67·8	67·8	67·8	67·6	67·4	67·2	67·1	66·8	—	66·2	65·8	65·6
	29	70·4	70·4	70·4	70·3	70·0	69·8	69·4	68·8	68·2	67·5	67·0	66·8
	30	65·0	64·6	64·0	63·6	63·0	62·4	62·0	61·6	61·2	60·9	60·5	60·5
	31	61·5	61·1	60·8	60·6	60·2	59·8	59·4	59·1	58·6	58·0	57·8	57·5
Hourly Means	56·33	56·21	56·06	56·03	56·02	55·73	55·42	55·48	54·90	55·01	54·63	54·37	

* Vibrating.

VERTICAL FORCE.

One Scale Division = '000061 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah. = '00021.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 104.1	Sc. Div. 105.2	Sc. Div. 105.7	Sc. Div. 104.5	Sc. Div. 102.8	Sc. Div. 99.5	Sc. Div. 97.5	Sc. Div. 96.8	Sc. Div. 96.9	Sc. Div. 97.1	Sc. Div. 96.4	Sc. Div. 98.6	Sc. Div. 101.45
103.2	104.7	104.7	101.9	97.9	95.6	94.2	94.2	94.2	94.4	96.4	95.0	99.77
102.9	100.7	103.1	99.1	96.6	95.3	97.2	95.5	95.6	95.2	95.2	95.6	98.34
—	—	—	—	—	—	—	—	—	—	—	—	96.92
95.1	97.2	98.4	98.5	97.4	96.6	96.6	98.4	99.3	97.5	95.0	95.5	101.24
102.3	103.7	105.1	104.0	106.9	106.2	106.5	105.0	105.0	103.5	102.9	103.4	102.37
110.6	114.7	112.1	111.4	109.6	109.1	107.7	107.0	106.6	105.6	104.3	103.3	103.68
104.3	103.4	103.1	103.1	103.7	104.8	104.8	105.4	103.8	101.4	101.3	102.0	*106.37
112.9	109.8	109.7	109.1	104.4	103.7	105.6	102.7	104.3	113.0	116.3	102.0	101.10
106.0	104.5	104.5	105.6	105.6	104.2	102.2	100.9	101.1	100.2	100.3	100.5	96.18
—	—	—	—	—	—	—	—	—	—	—	—	97.93
99.8	99.8	98.5	96.2	95.1	95.7	92.9	91.1	90.3	91.3	91.0	91.0	104.61
101.3	102.0	102.7	101.6	100.4	99.2	100.6	102.1	102.5	101.6	100.8	102.9	102.06
109.1	109.7	108.3	107.4	104.5	102.0	100.7	100.0	100.0	100.0	100.0	100.6	103.64
105.9	107.7	107.7	106.9	103.2	100.2	99.5	97.8	96.2	96.2	97.3	99.4	105.37
104.1	106.1	107.1	106.6	103.9	102.8	105.7	110.1	111.3	112.7	105.1	104.2	105.91
107.9	107.9	109.0	106.5	107.6	108.7	106.3	103.6	103.2	102.8	103.4	102.9	107.48
—	—	—	—	—	—	—	—	—	—	—	—	103.91
109.5	111.7	112.1	107.5	105.0	103.2	104.0	103.9	102.4	101.9	97.8	101.4	100.86
107.8	108.2	109.2	110.0	—	108.6	110.2	110.2	113.3	107.3	105.3	102.5	100.42
107.8	107.4	111.7	108.7	104.3	100.3	99.1	98.4	99.9	100.3	99.8	98.4	106.47
107.3	106.4	105.2	103.5	100.1	98.0	98.0	96.6	96.6	94.4	94.9	95.7	102.10
103.0	104.3	102.5	100.0	100.8	99.5	99.4	99.4	101.6	102.2	103.6	102.5	89.41
107.3	107.0	106.4	106.8	106.7	107.2	108.6	108.1	108.5	107.8	106.2	106.6	80.08
—	—	—	—	—	—	—	—	—	—	—	—	80.82
104.6	105.0	103.3	100.1	99.0	100.6	100.6	99.2	97.2	95.9	95.0	95.0	90.88
93.5	93.5	92.0	89.6	86.7	85.7	84.9	82.9	79.9	78.4	77.5	77.5	97.33
88.0	88.8	85.9	83.7	81.9	79.3	78.6	76.4	74.1	72.6	72.6	72.2	—
84.2	87.8	87.8	83.4	82.8	79.7	79.7	81.3	81.3	82.2	82.8	84.1	—
95.8	96.5	94.0	91.6	91.6	90.3	88.0	88.9	88.9	89.5	90.6	91.3	—
106.5	106.6	103.1	102.3	95.4	94.6	93.8	88.9	90.9	90.7	99.6	98.4	—
103.14	103.71	103.44	101.84	99.77	98.91	98.65	97.94	97.96	97.62	97.46	97.13	99.68

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

53.7	54.0	54.3	54.8	55.2	55.3	55.7	55.8	56.0	56.0	55.8	55.7	54.30
53.5	53.7	54.2	54.7	55.2	55.8	56.0	56.4	56.4	56.6	56.4	56.4	54.81
54.6	54.6	54.8	55.0	55.4	55.7	56.0	56.3	56.3	56.3	56.3	56.2	55.54
—	—	—	—	—	—	—	—	—	—	—	—	56.31
55.9	55.9	56.0	56.1	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.3	53.10
52.0	51.8	51.6	51.5	51.5	52.0	52.0	51.8	51.7	51.7	51.5	51.7	49.48
47.5	47.2	47.5	48.0	48.2	48.7	49.2	49.7	50.0	50.2	50.7	50.8	51.93
51.5	51.6	52.2	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.49
52.0	52.0	52.2	52.5	52.6	52.7	53.0	53.3	53.5	53.7	53.8	53.7	53.67
52.5	52.7	52.8	53.3	53.8	54.2	54.7	54.9	55.2	55.2	55.2	55.1	57.69
—	—	—	—	—	—	—	—	—	—	—	—	56.20
56.8	57.0	57.2	58.0	58.5	58.8	59.0	59.3	59.6	59.8	59.8	59.8	52.26
55.3	55.0	54.8	54.8	54.4	54.2	54.1	53.8	53.8	53.6	53.3	53.1	53.70
51.0	51.2	51.4	51.8	52.2	52.6	53.0	53.6	53.8	54.0	54.2	54.2	53.45
52.3	52.5	52.8	53.5	53.8	54.2	54.8	55.2	55.4	55.5	55.6	55.8	51.83
52.4	52.4	52.5	52.2	52.3	52.6	52.7	52.8	52.9	53.0	53.0	52.8	51.03
51.2	51.2	51.3	51.4	51.5	51.8	52.0	52.3	52.3	52.7	52.8	52.8	52.11
—	—	—	—	—	—	—	—	—	—	—	—	53.16
49.3	50.0	50.3	50.5	51.6	51.9	52.3	52.6	52.7	52.9	53.0	52.9	55.17
51.0	51.2	51.3	51.6	—	52.4	52.6	52.8	53.2	53.2	53.2	53.2	56.46
51.7	51.6	52.0	52.8	53.4	53.8	54.2	54.6	54.7	54.8	55.0	55.3	53.40
53.4	54.0	54.6	54.9	55.4	56.0	56.8	57.3	58.0	58.4	58.5	58.8	53.87
55.0	55.0	55.2	55.5	55.8	55.8	56.2	56.4	56.2	56.2	56.0	55.8	61.73
52.0	52.0	52.2	52.7	53.0	53.2	53.4	53.7	53.8	53.8	53.8	53.7	67.29
—	—	—	—	—	—	—	—	—	—	—	—	67.72
52.5	52.5	52.6	52.8	53.4	54.0	54.6	55.6	56.4	56.6	57.4	58.0	62.01
60.5	60.8	61.3	62.2	63.0	63.8	64.5	65.5	66.0	66.8	67.2	67.6	59.17
65.3	65.2	65.3	66.0	66.4	67.1	67.8	68.3	69.0	69.7	70.1	70.3	—
66.5	66.4	66.2	66.2	66.4	66.6	66.6	66.8	66.6	66.4	66.0	65.6	—
60.4	60.4	60.5	61.0	61.4	61.8	62.0	62.3	62.4	62.4	62.3	62.0	—
57.4	57.3	57.8	58.5	59.0	59.2	59.2	59.2	59.3	59.6	59.6	59.6	—
54.34	54.41	54.63	54.99	55.48	55.67	55.98	56.28	56.46	56.60	56.66	56.66	55.61

VERTICAL FORCE.													
One Scale Division = '000061 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.													
Mean Göttingen Time. }	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
NOVEMBER.	1	Sc. Div. 104·2	Sc. Div. 99·5	Sc. Div. 99·4	—	—	—	—	—	—	—	—	
	2	—	—	—	100·1	95·8	96·3	101·8	100·2	100·7	101·0	99·0	100·7
	3	104·9	105·3	106·0	102·3	106·5	109·8	108·9	108·9	108·9	109·7	109·7	110·6
	4	101·5	102·1	99·8	101·4	—	104·4	106·2	105·2	105·2	106·2	106·0	106·5
	5	97·5	95·9	97·2	89·2	89·5	89·5	95·6	94·1	100·1	99·0	97·0	99·1
	6	92·2	92·5	92·7	92·7	92·9	93·3	93·9	93·9	—	94·2	93·0	94·7
	7	107·1	107·1	108·1	107·5	108·6	106·2	106·8	106·8	106·8	106·9	106·9	106·9
	8	102·0	102·1	102·9	—	—	—	—	—	—	—	—	—
	9	—	—	—	—	100·1	99·9	100·0	100·2	101·3	101·8	102·0	104·2
	10	92·2	93·5	94·0	94·3	94·4	94·4	94·0	95·8	—	94·1	93·3	95·2
	11	93·1	94·1	94·3	92·8	95·4	96·2	98·4	98·3	—	95·9	100·5	99·5
	12	98·5	99·5	100·0	100·7	101·2	101·9	102·2	103·2	102·3	101·3	103·6	104·1
	13	99·9	99·8	99·8	100·2	100·2	100·2	100·9	101·9	101·9	101·9	101·9	102·7
	14	93·8	93·8	93·8	94·8	94·8	94·8	—	—	97·2	97·3	99·5	101·6
	15	99·0	100·0	100·5	—	—	—	—	—	—	—	—	—
	16	—	—	—	103·4	103·4	104·6	105·3	105·8	105·8	103·3	103·6	105·6
	17	101·8	105·3	96·9	93·1	93·9	96·8	99·8	99·8	—	95·6	99·0	100·0
	18	92·6	92·8	90·5	87·6	88·4	94·5	97·8	93·5	—	93·9	95·1	97·8
	19	84·9	83·0	82·4	81·6	84·7	85·3	86·8	90·8	—	87·0	91·4	92·7
	20	79·0	79·0	76·7	79·9	80·2	81·5	81·6	81·6	82·9	83·7	82·0	82·6
	21	69·9	72·6	74·4	74·4	74·7	76·0	77·0	77·9	77·9	77·9	77·9	77·9
	22	80·0	80·5	81·5	—	—	—	—	—	—	—	—	—
	23	—	—	—	89·1	90·9	90·9	90·3	87·8	—	92·2	92·1	92·2
	24	89·9	90·8	89·8	89·8	87·8	90·6	92·5	93·1	96·1	97·8	93·8	95·0
	25	90·9	91·3	91·3	92·1	92·1	92·1	93·2	93·1	92·6	93·3	94·7	94·7
	26	91·3	91·3	91·3	92·5	93·6	91·3	93·9	93·9	92·8	92·8	94·1	96·5
	27	85·2	86·0	87·1	87·9	88·0	88·7	89·6	89·4	87·9	88·4	90·6	92·9
	28	77·0	81·6	81·1	81·2	—	82·5	82·5	81·3	81·3	82·7	82·7	82·9
	29	80·5	80·5	81·5	—	—	—	—	—	—	—	—	—
	30	—	—	—	—	89·2	89·2	88·4	88·8	—	88·5	88·5	88·5
	Hourly Means	92·36	92·80	92·52	92·55	93·32	94·04	95·30	95·22	96·57	95·46	95·92	97·00
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
NOVEMBER.	1	59·3	59·3	59·1	—	—	—	—	—	—	—	—	
	2	—	—	—	57·9	57·5	57·3	57·0	56·8	56·3	56·1	55·9	55·8
	3	54·8	54·6	53·9	53·4	53·1	52·9	52·7	52·4	52·2	52·0	52·0	52·0
	4	55·6	55·5	55·2	55·1	—	54·6	54·4	54·2	54·2	54·2	54·0	54·0
	5	59·6	59·6	59·4	59·2	59·0	58·6	58·2	57·9	57·5	57·0	57·0	57·0
	6	61·6	61·6	61·5	61·3	61·0	60·8	60·6	60·4	—	59·7	59·3	59·0
	7	54·8	54·4	53·8	53·6	53·1	52·8	52·6	52·3	52·0	51·8	51·6	51·8
	8	54·6	54·5	54·5	—	—	—	—	—	—	—	—	—
	9	—	—	—	—	57·1	57·0	56·5	56·2	55·6	55·4	55·4	55·4
	10	59·8	59·8	59·7	59·5	59·4	59·2	59·0	58·6	—	58·2	58·1	58·3
	11	60·1	59·8	59·2	58·8	58·0	57·6	57·1	56·8	—	55·8	55·6	55·6
	12	56·6	56·3	56·0	55·5	55·2	55·0	54·7	54·3	54·0	53·8	53·4	53·2
	13	56·0	56·0	56·0	55·9	55·6	55·6	55·4	55·2	55·0	55·0	54·9	55·2
	14	59·4	59·2	59·0	58·8	58·6	58·2	—	—	57·3	57·1	57·0	56·9
	15	56·0	55·9	55·8	—	—	—	—	—	—	—	—	—
	16	—	—	—	54·6	54·4	54·0	53·6	53·4	52·2	52·3	52·4	52·4
	17	59·0	58·8	58·6	58·4	58·0	57·6	57·3	57·0	—	56·1	56·1	56·2
	18	60·5	60·3	60·0	59·8	59·2	59·0	58·9	58·9	—	58·4	58·4	58·6
	19	63·6	63·2	62·9	62·5	62·0	61·6	61·2	60·8	—	60·3	60·0	59·8
	20	65·4	65·4	65·2	65·0	64·9	64·6	64·2	64·0	63·4	63·2	63·0	63·0
	21	68·0	67·8	67·5	67·2	66·7	66·3	66·1	65·8	65·4	65·0	65·0	64·6
	22	63·9	63·8	63·6	—	—	—	—	—	—	—	—	—
	23	—	—	—	60·0	59·8	59·5	59·1	59·0	—	58·2	58·0	58·1
	24	59·2	59·0	58·8	58·6	58·2	57·9	57·6	57·1	56·8	56·4	56·2	56·4
	25	57·0	57·0	57·0	57·0	57·0	56·8	56·8	56·8	56·8	56·6	56·6	56·6
	26	58·0	57·8	57·6	57·4	57·2	57·0	57·0	56·8	56·6	56·4	56·3	56·2
	27	60·6	60·5	60·3	60·2	59·9	59·7	59·4	59·2	58·8	58·6	58·8	58·8
	28	65·1	65·2	65·2	65·0	—	64·6	64·4	64·0	63·8	63·5	63·4	63·4
	29	62·6	62·6	62·4	—	—	—	—	—	—	—	—	—
	30	—	—	—	—	60·0	59·8	59·6	59·5	—	59·2	59·0	59·0
	Hourly Means	59·64	59·52	59·21	58·90	58·47	58·32	58·06	57·81	56·94	57·21	57·10	57·09

VERTICAL FORCE.

One Scale Division = '000061 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah°. = '00021.

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.
102·8	104·4	106·5	111·5	107·7	104·7	103·5	104·9	102·6	108·0	108·0	106·0	102·89
110·6	111·6	110·0	109·2	108·2	104·7	104·4	103·7	103·7	100·0	100·1	100·6	106·63
107·2	107·0	104·5	101·2	100·1	99·4	95·3	96·8	96·0	94·3	90·3	94·8	101·37
97·1	103·7	100·9	94·4	92·8	93·5	93·5	91·4	91·0	91·3	90·9	90·7	94·79
97·4	99·9	100·9	100·9	101·2	102·4	97·5	97·5	100·5	103·5	104·8	106·7	97·36
107·2	107·2	106·5	106·5	104·3	106·9	108·3	102·2	104·0	101·6	100·9	101·3	105·94
105·5	103·3	99·3	98·1	98·9	94·7	92·9	93·7	94·1	93·7	95·7	93·1	94·98
93·3	94·3	98·0	97·1	94·2	98·9	86·1	88·0	90·2	89·3	88·5	91·1	92·79
101·1	101·5	101·5	102·6	102·4	100·8	97·5	97·3	96·5	96·9	97·2	97·8	97·90
108·5	105·3	105·0	108·9	106·2	101·4	98·0	97·6	98·3	98·4	98·6	98·6	102·01
103·8	103·8	102·6	99·5	98·0	95·8	92·7	90·9	90·1	91·5	91·5	92·6	98·50
103·8	105·0	103·8	102·1	100·6	98·7	97·2	96·5	97·1	98·3	98·0	98·5	98·23
108·6	107·8	105·8	104·7	101·8	97·9	94·4	93·4	93·7	93·7	103·3	106·4	102·16
103·7	103·7	98·5	99·3	98·5	94·6	91·9	92·0	90·6	91·4	91·4	92·3	96·95
93·8	94·0	98·1	95·8	91·5	88·2	85·3	86·1	87·6	85·3	84·5	78·2	90·99
91·7	91·3	91·8	88·0	83·8	82·4	79·4	77·3	79·4	79·4	78·4	78·4	84·86
82·3	82·3	82·3	78·6	76·4	74·6	72·6	72·1	72·1	71·0	69·5	70·7	78·13
79·9	83·9	84·7	84·7	84·8	84·7	84·4	84·2	80·7	79·6	78·9	78·3	79·05
92·2	91·8	89·2	89·2	88·0	88·4	89·9	89·8	87·3	87·3	87·3	87·6	88·50
95·8	97·4	95·4	95·9	97·8	91·6	89·3	88·4	90·5	92·0	—	89·8	92·65
94·5	92·1	91·2	88·2	88·2	88·5	89·0	90·7	90·7	90·7	90·3	91·3	91·53
96·0	94·7	93·1	89·8	86·9	86·9	80·5	83·7	84·1	84·1	83·2	84·5	90·12
92·9	91·2	92·0	90·2	87·0	85·0	80·0	85·9	79·6	78·4	82·6	79·9	86·93
84·1	87·8	88·2	92·5	88·4	84·9	83·5	80·8	79·4	81·8	78·7	82·9	83·03
89·9	90·5	90·2	88·7	84·8	81·8	72·7	77·5	77·4	77·3	77·0	76·5	84·00
97·75	98·22	97·60	96·70	95·02	92·86	90·39	90·50	90·29	90·39	90·40	90·74	93·88

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

55·3	55·3	55·3	55·7	55·2	55·2	55·2	55·3	55·3	55·0	54·8	54·6	56·27
52·3	52·6	53·0	53·5	53·9	54·3	54·8	55·0	55·4	55·7	55·7	55·7	53·66
54·3	54·9	55·7	56·0	56·7	57·6	58·4	58·9	59·4	59·4	59·6	59·8	56·16
57·0	57·4	57·8	58·6	59·4	60·1	60·3	60·8	61·2	61·4	61·6	61·6	59·05
58·5	58·2	57·8	57·5	57·2	57·2	56·8	56·6	56·4	56·0	55·4	55·2	58·68
52·2	52·4	52·6	52·8	53·1	53·5	53·9	54·0	54·2	54·6	54·6	54·7	53·22
55·4	55·5	56·0	56·4	57·0	58·0	58·6	58·8	59·1	59·5	59·8	59·9	56·79
58·8	59·3	59·7	60·2	60·8	61·2	61·4	61·4	61·4	61·2	61·0	60·6	59·85
55·4	55·4	55·6	55·8	56·0	56·3	56·5	56·8	57·0	57·1	57·0	57·0	56·97
53·2	53·3	53·4	53·6	54·0	54·2	54·6	55·2	55·3	55·6	55·9	56·0	54·68
55·7	56·0	56·6	57·2	57·6	58·2	58·6	59·2	59·4	59·6	59·6	59·6	56·80
56·8	56·6	56·5	56·4	56·3	56·3	56·3	56·4	56·4	56·3	56·3	56·2	57·20
52·7	53·1	53·8	54·4	55·2	55·6	56·4	57·0	57·6	58·0	58·4	58·5	54·90
56·4	56·8	57·4	58·0	58·5	59·0	59·7	60·0	60·5	60·8	60·8	60·7	58·34
58·9	59·2	59·8	60·3	60·9	61·8	62·2	63·0	63·2	63·6	63·9	63·7	60·54
60·1	60·6	61·1	61·7	62·2	63·0	63·6	64·4	64·6	65·0	65·4	65·4	62·39
63·6	63·8	64·4	64·8	65·4	66·0	66·6	67·4	67·8	68·1	68·3	68·5	65·25
64·4	64·2	64·2	64·0	63·9	63·9	63·9	63·9	64·0	64·1	64·1	64·0	65·17
58·2	58·4	58·4	58·8	59·2	59·5	59·7	59·7	59·8	59·8	59·8	59·6	59·74
56·2	56·2	56·3	56·3	56·4	56·7	56·8	57·0	57·0	57·0	—	57·0	57·18
56·7	56·8	57·0	57·2	57·6	57·8	57·8	58·0	58·2	58·2	58·4	58·1	57·24
56·6	57·0	57·4	57·8	58·3	59·1	59·7	60·1	60·3	60·6	60·7	60·6	58·02
58·9	59·3	59·8	60·4	61·3	62·0	62·9	63·4	64·2	64·7	64·9	65·1	60·90
63·5	63·8	63·7	63·4	63·4	63·6	63·8	63·7	63·7	63·7	63·3	63·0	63·92
59·3	59·6	60·0	60·8	61·2	61·8	62·5	63·0	63·6	64·0	64·3	64·8	61·30
57·22	57·43	57·73	58·06	58·43	58·88	59·24	59·56	59·80	59·96	60·15	59·99	58·55

VERTICAL FORCE.													
One Scale Division = '000062 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah. = '00021.													
Mean Götting- gen Time.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	10h.	11h.	
DECEMBER.	1	73.3	75.4	78.0	78.5	78.5	78.3	78.3	78.5	78.5	78.5	78.5	
	2	81.2	81.8	84.7	84.7	85.6	85.6	87.1	87.3	87.1	86.4	85.4	86.1
	3	91.7	90.1	87.2	85.4	69.7	66.4	62.3	68.4	76.0	72.1	77.1	71.5
	4	80.2	82.4	82.2	82.1	83.2	85.6	86.6	82.7	85.9	84.1	83.2	80.1
	5	85.5	82.3	82.3	80.0	82.8	81.5	87.0	85.2	85.2	84.9	84.2	84.2
	6	78.6	80.1	80.1	—	—	—	—	—	—	—	—	—
	7	—	—	—	78.3	78.3	76.9	76.9	76.9	76.2	76.2	76.2	76.8
	8	79.2	77.8	74.3	81.7	85.0	85.2	84.2	87.2	85.5	88.2	86.7	86.0
	9	86.3	89.4	90.0	a—	90.3	a—	93.0	93.0	—	94.3	95.5	96.0
	10	90.7	89.3	93.1	91.3	92.0	93.7	93.2	93.2	93.2	93.6	93.6	96.6
	11	88.3	89.4	88.7	89.5	90.0	90.0	90.5	89.9	90.0	88.6	88.8	91.3
	12	88.0	87.8	87.8	88.0	90.3	89.7	90.1	90.3	90.3	88.7	90.0	92.2
	13	85.3	87.2	88.4	—	—	—	—	—	—	—	—	—
	14	—	—	—	88.7	89.1	89.1	89.1	89.1	89.5	88.8	87.8	89.2
	15	80.3	86.0	86.8	79.2	—	—	—	92.3	85.9	90.6	85.3	86.2
	16	79.5	78.4	82.0	83.9	84.8	—	87.4	87.4	87.4	86.5	85.2	86.6
	17	80.5	82.5	82.5	84.6	82.0	84.8	87.9	87.3	—	87.8	84.9	87.0
	18	78.8	80.8	81.8	79.2	82.5	84.4	83.4	84.7	84.7	86.3	—	89.0
	19	85.8	86.1	85.4	86.1	86.8	88.3	88.9	88.4	88.5	86.7	87.6	87.8
	20	83.7	84.3	85.1	—	—	—	—	—	—	—	—	—
	21	—	—	—	86.0	86.8	87.2	87.7	88.0	87.2	86.1	86.1	88.3
	22	80.7	83.4	85.7	87.0	88.1	88.1	89.8	89.8	—	90.5	91.1	92.5
	23	85.6	85.6	86.3	86.8	87.4	88.4	88.4	89.5	86.3	86.7	86.9	89.3
	24	85.6	87.1	88.9	—	—	—	—	—	—	—	—	—
	25	—	—	—	85.9	85.5	85.4	85.8	85.8	85.8	86.0	86.1	86.1
	26	75.8	78.5	80.4	80.2	—	82.0	82.8	82.8	82.8	82.8	82.9	84.4
	27	77.3	78.2	78.5	—	—	—	—	—	—	—	—	—
	28	—	—	—	76.8	76.8	76.5	76.5	76.2	76.2	76.2	78.0	78.8
	29	83.4	82.9	82.9	84.9	84.9	86.5	—	—	88.7	89.4	90.0	92.7
	30	85.2	82.3	83.2	81.8	84.3	85.7	84.9	83.5	86.4	86.4	88.5	86.8
	31	79.2	77.9	75.6	78.2	80.3	81.3	82.1	81.7	82.3	83.5	82.2	81.3
Hourly Means	82.68	83.35	83.88	83.55	84.37	84.37	85.16	85.56	85.20	85.77	85.71	86.48	
TEMPERATURE OF THE VERTICAL FORCE MAGNET.													
DECEMBER.	1	65.6	65.4	65.4	65.2	65.0	64.8	64.6	64.4	64.2	63.9	63.4	
	2	63.2	62.8	62.4	62.0	61.6	61.2	60.8	60.5	60.1	60.0	59.9	60.0
	3	63.2	63.0	62.8	62.6	62.2	62.2	62.2	61.7	61.4	61.0	60.8	60.6
	4	65.1	65.0	64.7	64.4	64.2	63.8	63.6	63.4	63.1	62.7	62.5	62.5
	5	63.8	63.8	63.8	63.8	63.9	64.0	64.1	64.0	63.8	63.8	63.8	64.2
	6	66.3	66.1	65.9	—	—	—	—	—	—	—	—	—
	7	—	—	—	67.8	67.6	67.4	67.2	67.0	66.7	66.3	66.0	66.2
	8	65.2	64.6	64.0	63.6	63.3	62.6	61.9	61.4	61.0	60.6	60.4	60.3
	9	60.2	59.8	59.3	—	58.2	—	57.2	56.9	—	56.0	55.8	55.8
	10	58.5	58.4	58.2	58.0	57.8	57.4	57.0	56.8	56.4	56.4	56.2	56.0
	11	59.4	59.4	59.4	59.2	59.2	59.1	59.0	58.9	58.8	58.7	58.6	58.6
	12	60.1	60.0	59.8	59.6	59.4	59.3	59.1	59.0	58.8	58.4	58.4	58.3
	13	61.0	60.9	60.9	—	—	—	—	—	—	—	—	—
	14	—	—	—	59.8	59.5	59.3	59.1	59.0	58.8	58.7	58.6	58.6
	15	62.2	62.2	61.7	61.3	—	—	—	59.1	58.8	58.4	58.2	58.4
	16	63.7	63.3	63.0	62.8	62.4	—	61.6	61.2	60.8	60.8	60.4	60.2
	17	62.6	62.4	62.2	62.0	61.8	61.6	61.4	61.2	—	60.8	60.9	61.0
	18	65.0	64.8	64.4	63.9	63.3	62.9	62.3	61.7	61.6	61.6	—	60.6
	19	61.6	61.4	61.3	61.2	61.0	60.8	60.6	60.6	60.2	60.0	60.0	60.2
	20	62.0	61.8	61.7	—	—	—	—	—	—	—	—	—
	21	—	—	—	61.7	61.4	61.2	60.9	60.7	60.4	60.0	60.0	60.0
	22	62.6	62.2	61.9	61.3	61.0	60.4	60.0	59.6	—	58.8	58.5	58.8
	23	60.8	60.8	60.6	60.4	60.2	59.9	59.6	59.0	58.8	58.4	58.3	58.2
	24	60.7	60.3	60.2	—	—	—	—	—	—	—	—	—
	25	—	—	—	61.4	61.4	61.2	61.0	60.8	60.5	60.3	59.8	59.8
	26	63.3	63.0	63.0	63.0	—	62.4	62.0	61.8	61.3	61.2	61.0	60.9
	27	65.3	65.2	65.0	—	—	—	—	—	—	—	—	—
	28	—	—	—	65.8	65.8	66.0	66.0	66.0	65.8	65.3	65.0	64.8
	29	61.8	61.7	61.2	60.7	60.4	60.0	—	—	58.0	57.8	57.6	57.3
	30	60.3	60.5	60.6	60.7	60.7	60.6	60.7	60.6	60.5	60.3	60.5	60.8
	31	65.9	65.7	65.7	65.3	65.0	64.8	64.2	64.0	63.6	63.1	63.0	63.0
Hourly Means	62.67	62.48	62.27	62.30	61.93	61.86	61.50	61.17	61.02	60.51	60.31	60.33	

* Vibrating.

VERTICAL FORCE.

One Scale Division = '000062 parts of the V. F. Change in the Magnetic moment of the Bar for 1° Fah° = '00021.

12h.	13h.	14h.	15h.	16h.	17h.	18h.	19h.	20h.	21h.	22h.	23h.	Daily and Monthly Means.
Sc. Div. 84'6	Sc. Div. 84'1	Sc. Div. 84'3	Sc. Div. 84'6	Sc. Div. 84'6	Sc. Div. 80'8	Sc. Div. 78'3	Sc. Div. 76'1	Sc. Div. 78'2	Sc. Div. 81'6	Sc. Div. 82'6	Sc. Div. 81'7	Sc. Div. 79'94
87'6	87'3	87'3	89'1	89'5	89'4	86'2	79'6	79'0	83'1	85'3	89'3	85'65
78'8	78'8	82'0	82'0	80'1	84'3	77'6	78'6	77'8	76'6	77'3	77'6	77'89
88'8	91'6	92'3	90'7	87'7	85'1	83'3	83'3	83'4	85'3	82'8	85'1	84'90
85'1	86'5	85'3	84'9	83'3	77'5	75'3	75'3	76'3	78'4	76'2	78'0	81'97
—	—	—	—	—	—	—	—	—	—	—	—	—
78'7	80'0	79'5	78'6	77'4	75'0	72'7	74'5	75'7	77'4	77'4	77'4	77'32
87'1	89'7	89'7	87'7	84'2	84'2	84'3	82'8	85'0	85'0	84'4	85'9	84'66
96'3	97'6	98'4	95'6	95'0	92'2	90'0	88'9	87'6	88'8	90'2	88'4	92'23
96'4	95'9	96'3	94'8	91'3	88'0	85'5	—	87'8	87'0	88'3	88'3	91'87
93'2	95'6	95'6	93'0	88'9	86'9	84'6	83'9	83'9	86'3	87'4	84'8	89'13
93'4	95'5	94'4	89'9	86'5	85'2	84'0	81'7	84'0	83'2	81'3	84'9	88'22
—	—	—	—	—	—	—	—	—	—	—	—	—
91'2	92'0	92'6	91'7	—	89'0	85'3	82'5	82'4	78'9	82'4	82'4	87'50
92'5	93'2	94'8	89'4	88'0	86'0	84'5	82'1	80'0	80'5	79'3	79'7	85'84
89'9	91'8	89'3	87'4	87'4	86'3	84'6	82'9	84'6	83'5	83'0	84'3	85'40
89'7	89'3	87'6	84'6	82'8	81'9	80'0	76'2	77'6	80'0	78'7	79'2	83'45
91'1	90'9	89'5	87'7	84'8	83'1	82'9	84'0	84'9	85'5	85'0	84'9	84'78
90'0	89'9	90'7	89'1	86'9	83'8	84'1	85'3	84'9	84'1	83'3	83'5	86'75
—	—	—	—	—	—	—	—	—	—	—	—	—
90'0	89'5	89'6	90'3	87'7	84'8	84'8	83'4	81'6	81'6	81'6	81'2	85'94
93'2	94'2	94'7	92'3	90'1	88'9	86'0	86'0	85'8	87'1	86'7	86'7	88'63
88'7	90'8	92'8	89'4	88'2	85'7	84'5	84'5	85'0	87'1	87'1	83'0	87'25
—	—	—	—	—	—	—	—	—	—	—	—	—
85'8	84'4	84'1	84'2	79'6	75'5	74'7	75'2	76'7	77'2	77'2	79'1	82'82
85'9	87'3	84'8	80'1	78'8	78'8	78'8	78'8	78'8	78'5	78'5	78'5	80'99
—	—	—	—	—	—	—	—	—	—	—	—	—
82'6	83'4	82'6	80'4	82'1	81'3	75'7	76'8	78'5	80'6	80'6	82'5	78'88
93'5	95'0	94'6	92'5	85'3	87'7	84'8	85'4	89'5	95'3	90'8	87'4	88'55
87'3	86'3	83'6	80'8	75'7	75'8	76'0	76'0	76'0	77'4	79'5	77'8	82'13
81'0	78'7	76'8	76'8	75'5	72'0	66'7	65'7	66'4	68'6	71'0	70'3	76'46
—	—	—	—	—	—	—	—	—	—	—	—	—
88'55	89'20	88'97	87'21	84'86	83'46	81'35	80'38	81'21	82'25	82'23	82'38	84'51

TEMPERATURE OF THE VERTICAL FORCE MAGNET.

63'2	63'1	63'1	63'1	63'4	63'6	63'6	64'0	64'0	64'0	64'0	63'6	64'09
60'2	60'6	60'8	61'0	61'3	61'7	62'2	62'7	63'1	63'4	63'4	63'4	61'60
60'8	61'5	62'5	62'8	63'6	64'0	64'1	64'5	65'1	65'3	65'4	65'3	62'86
62'3	62'4	62'8	63'0	62'6	62'8	63'0	63'2	63'4	63'6	63'6	63'8	63'40
64'6	64'8	64'8	65'2	65'6	66'1	66'5	66'8	66'8	66'8	66'8	66'6	64'92
—	—	—	—	—	—	—	—	—	—	—	—	—
66'6	67'0	67'2	67'2	67'1	67'0	67'0	67'0	66'8	66'4	66'2	65'8	66'74
60'4	60'4	60'4	60'8	60'9	61'1	61'2	61'2	61'3	61'1	60'9	60'5	61'63
55'8	56'0	56'2	56'5	56'9	57'2	57'3	57'7	58'0	58'2	58'3	58'6	57'42
56'2	56'5	56'7	57'1	57'6	57'9	58'2	—	59'0	59'2	59'2	59'4	57'57
58'6	58'5	58'8	59'2	59'5	59'8	60'0	60'2	60'2	60'3	60'3	60'2	59'33
58'4	58'8	59'0	59'8	60'1	60'4	60'8	61'1	61'3	61'4	61'3	61'2	59'74
—	—	—	—	—	—	—	—	—	—	—	—	—
58'5	58'7	58'8	59'3	—	60'3	61'0	61'4	61'7	61'8	62'1	62'0	59'99
58'4	58'8	59'2	60'0	61'0	61'8	62'3	62'8	63'1	63'5	63'7	63'5	60'88
60'3	60'4	60'8	61'2	61'8	62'2	62'6	62'8	63'0	63'0	63'0	63'0	61'93
61'3	61'8	62'0	62'7	63'2	63'7	64'3	64'7	65'0	65'3	65'4	65'2	62'72
60'0	60'2	60'2	61'0	62'2	62'4	61'7	61'7	61'8	61'8	61'7	61'7	62'11
60'4	60'5	60'8	61'0	61'3	61'6	61'7	62'0	62'1	62'2	62'2	62'1	61'12
—	—	—	—	—	—	—	—	—	—	—	—	—
59'8	60'3	60'4	61'3	61'8	62'0	62'6	62'8	63'0	63'2	63'0	62'8	61'45
58'8	59'0	59'2	59'5	59'8	60'0	60'2	60'4	60'6	60'8	60'8	60'8	60'22
58'2	58'2	58'2	58'7	58'9	59'2	59'4	59'6	60'2	60'5	60'8	60'8	59'49
—	—	—	—	—	—	—	—	—	—	—	—	—
59'6	59'7	60'0	60'4	61'0	61'3	61'8	62'3	62'8	63'2	63'3	63'5	61'10
61'0	61'2	61'6	62'2	62'6	63'2	63'6	64'2	64'7	65'0	65'2	65'3	62'73
—	—	—	—	—	—	—	—	—	—	—	—	—
64'6	64'5	64'3	64'0	63'8	63'3	63'2	63'0	62'8	62'8	62'3	62'0	64'44
57'2	57'2	57'0	57'3	57'7	58'1	59'4	59'2	59'6	59'9	60'2	60'4	59'08
61'0	61'4	61'8	62'5	62'9	63'8	64'2	64'7	65'2	65'6	65'8	66'0	62'15
63'6	64'3	65'2	66'7	67'4	68'1	68'7	69'0	69'2	69'5	69'3	69'2	65'98
—	—	—	—	—	—	—	—	—	—	—	—	—
60'38	60'61	60'84	61'29	61'76	62'02	62'33	62'76	62'84	62'99	63'01	62'95	61'76

January 22d and 23d.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of One Scale Division = 0' 502.					DECLINATION.					
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
M.	s.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0		73'8	70'8	72'8	73'7	77'4	82'4	91'2	95'0	91'8	92'2	
5	0		73'3	71'0	75'3	73'9	77'8	82'9	92'4	95'0	91'2	91'9	
10	0		74'7	71'5	77'2	74'6	78'4	83'6	87'2	95'0	91'2	91'2	
15	0		74'0	69'8	76'5	75'7	78'8	85'0	87'0	94'5	91'1	90'8	
20	0		72'7	68'3	75'3	75'9	79'2	85'6	87'4	94'0	91'2	90'0	
25	0		72'2	69'9	74'8	76'0	79'7	86'0	93'0	93'8	90'8	89'2	
30	0		72'2	71'7	74'3	76'0	79'5	86'8	93'0	93'2	91'0	88'0	
35	0		71'3	72'8	74'4	76'1	79'5	87'0	93'2	93'0	91'2	87'5	
40	0		71'0	71'3	74'2	76'8	80'0	88'0	93'8	92'8	91'3	87'2	
45	0		71'2	70'8	74'1	77'1	80'8	88'5	94'0	92'4	91'8	87'2	
50	0		72'0	71'2	73'9	76'4	81'2	89'5	88'6	92'2	92'0	86'7	
55	0		71'5	70'7	73'3	77'4	81'6	90'5	94'6	92'0	92'0	86'3	
			One Scale Division = .0001882 parts of the H. F.					HORIZONTAL FORCE.					
M.	s.												
2	30		93'2	89'7	82'8	86'2	83'8	77'9	84'5	89'0	92'8	91'5	
7	30		93'6	89'2	83'5	86'7	83'0	78'3	84'4	89'0	92'6	90'8	
12	30		92'8	88'5	84'2	86'8	82'6	78'6	84'6	89'2	92'6	91'3	
17	30		91'9	88'0	84'7	86'6	82'0	79'0	85'0	89'8	92'2	91'5	
22	30		91'8	88'8	85'0	86'3	81'2	79'0	85'2	90'2	92'0	91'0	
27	30		91'2	88'3	85'6	85'9	80'4	80'0	86'0	90'6	92'0	91'2	
32	30		91'0	87'5	86'1	85'6	79'5	80'4	87'4	90'5	93'0	91'5	
37	30		90'8	86'0	86'6	85'9	78'6	81'2	88'0	90'8	93'2	91'8	
42	30		91'0	85'0	86'7	85'8	78'0	81'8	87'4	91'2	92'7	92'0	
47	30		91'0	84'3	86'9	85'2	77'8	82'5	87'8	91'8	92'7	92'5	
52	30		90'7	83'0	86'6	84'9	77'8	83'2	88'6	92'0	91'7	92'2	
57	30		90'2	82'1	86'3	85'0	77'8	84'0	89'0	92'4	91'8	92'8	
Thermometer			64'0	64'2	64'2	64'6	65'2	66'4	67'0	67'8	68'4	68'7	68'7
			Induction Inclinometer, one Sc. Div. = 0' 502; p. = 4'8297; u. = 14° 22'.										
M.	s.												
0	0		50'5	47'0	44'4	48'4	52'1	55'0	67'2	73'8	71'8	71'2	
5	0		50'3	46'8	47'6	48'7	52'1	55'8	68'3	73'5	71'5	70'8	
10	0		51'2	46'9	50'1	49'7	52'4	56'7	68'4	73'8	71'4	69'8	
15	0		50'2	44'9	49'9	50'8	52'8	58'0	68'2	73'1	71'0	69'7	
20	0		48'8	43'3	49'0	51'2	52'8	59'0	68'9	73'0	70'8	69'0	
25	0		48'3	45'5	48'9	51'1	53'4	59'2	69'6	73'2	70'2	68'5	
30	0		48'1	46'9	48'5	51'0	53'0	60'6	70'2	72'8	70'8	67'6	
35	0		47'1	47'4	48'9	51'0	52'7	61'1	71'0	72'4	71'2	67'0	
40	0		47'0	45'0	49'1	51'9	53'2	62'6	71'4	72'1	71'2	67'0	
45	0		47'3	43'8	48'9	52'1	53'5	63'5	71'7	72'2	71'2	67'0	
50	0		48'1	43'9	48'7	51'1	54'0	64'5	71'2	72'1	71'3	66'2	
55	0		47'7	42'2	47'9	52'5	54'2	66'2	73'0	72'0	71'0	65'9	
Thermometer			64'8	65'3	65'7	66'7	67'3	69'0	69'5	70'4	70'8	70'2	69'8
Increasing Numbers denote increasing easterly													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°								
22	10	0	29'934	61'0	55'0	—	—	1'00	Hazy.				
	11	0	29'937	64'6	57'6	—	—	1'00	Hazy.				
	12	0	29'911	70'2	59'6	N.N.W.	Fresh.	1'00	Hazy.				
	13	0	29'898	76'0	61'4	N. by W.	Gentle.	1'00	Cir.-cum. and much haze.				
	14	0	29'883	80'0	62'6	N. by W.	Gentle.	1'00	Cir. and cir.-cum. and much haze.				
	15	0	29'863	77'0	64'6	S.E. by E.	Moderate.	1'00	Cir.-cum.; hazy and sultry.				
	16	0	29'842	74'2	64'0	S.E. by S.	Gentle.	1'00	Thick haze.				
	17	0	29'825	73'5	63'7	S. by E.	Fresh.	1'00	Cir.-cum.; thick haze.				
	18	0	29'815	74'4	64'4	S.E. by S.	Fresh.	1'00	Thick haze; cir.-cum.				
	19	0	29'818	73'3	63'4	S.E. by S.	Fresh.	1'00	Hazy; hot; sultry.				
	20	0	29'811	70'7	63'0	S.E. by S.	Gentle.	0'75	Cir. and cir.-cum.; thick haze.				
	21	0	29'813	70'0	63'0	S.E. by S.	Gentle.	0'75	Cir. and cir.-cum.; thick haze.				

MAGNETICAL OBSERVATIONS.

January 22d and 23d.

DECLINATION.

Angular Value of one Scale Division = 0' 502.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div. 82°6	Sc. Div. 80°9	Sc. Div. 72°5	Sc. Div. 79°0	Sc. Div. 79°2	Sc. Div. 80°0	Sc. Div. 68°0	Sc. Div. 73°4	Sc. Div. 76°9	Sc. Div. 77°1	Sc. Div. 76°8	Sc. Div. 76°2	Sc. Div. 79°0
82°6	80°2	72°5	78°3	78°8	78°4	66°2	74°0	77°6	77°8	76°2	75°5	79°0
82°7	80°2	75°8	77°8	78°4	81°2	66°8	75°1	79°8	78°0	76°2	74°8	79°2
82°2	80°0	79°0	77°6	78°4	82°8	68°6	75°1	81°3	78°0	75°8	74°8	78°8
81°8	79°8	79°4	77°0	78°2	82°0	69°0	74°7	82°3	77°8	76°4	75°4	78°4
81°3	79°5	79°2	78°4	78°0	79°2	69°8	74°6	82°8	77°8	76°2	75°4	77°8
80°9	79°8	79°5	78°8	77°2	76°0	69°5	74°0	82°2	77°2	75°8	75°2	76°0
80°7	79°2	78°6	78°8	75°0	75°0	70°0	73°4	81°0	77°2	76°2	75°0	75°8
80°3	78°5	78°6	78°8	74°6	74°0	71°0	73°2	79°5	77°0	76°2	75°0	74°2
80°6	78°5	79°0	78°6	75°8	72°8	72°0	72°7	78°6	77°2	76°0	75°2	74°4
81°1	77°5	78°7	79°0	78°2	70°2	72°4	73°4	78°1	78°2	76°2	77°6	66°8
81°3	76°2	78°8	79°0	80°8	71°0	73°0	75°0	77°5	77°2	76°6	77°8	69°8

HORIZONTAL FORCE.

Change in the Magnetic moment of the Bar for 1° Fah°. = '000093.

89°2	89°6	85°8	87°5	90°8	99°8	90°8	89°0	88°4	90°8	88°4	90°5	88°2
90°1	89°0	88°0	87°0	90°8	99°6	92°0	89°8	88°2	90°8	88°4	90°6	88°6
90°3	88°6	89°0	87°0	91°2	98°0	92°4	89°3	88°8	90°8	88°0	90°4	88°0
90°8	87°5	88°0	87°0	91°2	96°0	92°0	89°8	89°7	90°2	87°8	90°2	88°6
92°0	86°8	87°8	87°2	91°4	94°0	91°8	89°8	91°2	89°8	87°8	90°0	88°6
92°0	86°5	87°2	87°5	91°2	93°2	91°0	89°9	91°6	89°2	87°8	89°9	89°2
91°4	85°0	87°0	88°0	91°3	92°3	90°4	90°9	91°8	89°0	88°2	89°8	89°2
90°7	84°5	87°8	88°2	91°0	91°2	89°8	90°9	92°0	88°5	88°8	89°7	89°2
90°6	84°0	88°9	88°4	96°0	90°6	90°0	90°6	91°9	88°2	88°8	89°6	88°2
90°8	83°5	89°0	89°2	99°0	89°5	89°0	89°7	91°2	88°2	89°0	89°4	88°0
90°3	83°8	88°5	90°0	101°2	91°0	89°0	89°2	91°1	88°0	89°2	89°0	87°8
89°8	83°9	88°0	90°8	101°0	90°5	88°4	88°9	90°8	88°0	89°8	88°4	86°8

68°7	68°6	68°0	68°0	68°0	68°0	67°6	67°0	66°7	66°4	66°8	66°8	66°6
------	------	------	------	------	------	------	------	------	------	------	------	------

Induction Inclinometer, one Sc. Div. = 0' 502; = p. 4° 8297; u. = 14° 22'.

60°1	58°1	49°8	54°6	56°6	62°9	44°8	49°0	51°9	53°2	52°0	52°8	54°2
59°9	57°1	48°0	53°6	55°8	61°2	43°2	50°0	52°3	54°0	51°8	52°0	53°8
60°4	56°8	52°0	53°0	55°7	63°0	45°0	51°0	54°7	54°0	51°8	51°2	54°4
60°3	56°0	55°0	53°0	55°8	64°2	46°2	51°0	56°7	53°5	51°5	50°8	53°8
60°1	55°2	55°2	53°2	55°8	62°0	46°5	50°7	58°3	53°5	51°2	51°4	53°6
60°1	54°5	55°0	54°0	55°6	58°2	46°8	50°7	59°2	53°5	51°2	51°4	53°4
59°7	54°6	54°9	54°4	54°6	54°6	46°4	50°5	59°1	53°0	51°0	51°2	51°6
59°0	53°0	54°2	54°8	52°4	53°0	46°5	50°3	58°2	52°8	51°7	51°0	51°4
58°3	53°0	54°8	54°8	52°6	51°4	47°5	50°0	56°4	52°5	51°7	51°0	50°0
58°4	51°6	55°5	55°0	56°1	49°5	48°2	48°8	55°2	52°5	52°0	51°0	50°0
59°0	51°2	55°0	55°4	61°0	47°0	48°2	49°2	54°6	53°2	52°2	53°0	47°0
58°8	49°6	54°6	56°2	64°2	48°0	48°6	50°3	53°8	52°0	53°2	53°0	44°4

Declination, increasing Horizontal Force, and decreasing Inclination.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
		Dry.	Wet.	Direction.	Force.		
D. H. M.	In.	°	°				
22 22 0	29°816	68°0	62°0	S.E. by S.	Light.	0°75	Cir. and cir.-cum.; haze a little decreased.
23 23 0	29°821	65°6	61°0	S.E. by S.	Light air.	0°75	Cir. and cir.-cum.; haze a little decreased.
23 0 0	29°825	64°2	60°4	—	Calm.	1°00	Cir. and soft cum.
1 0	29°818	63°0	59°4	—	Calm.	1°00	Cir. and soft cum.
2 0	29°803	62°0	58°8	—	Calm.	1°00	Light cir.; fair.
3 0	29°798	60°3	58°3	—	Calm.	1°00	Light cir.; fair.
4 0	29°793	59°6	57°3	—	Calm.	0°00	Fair; hazy.
5 0	29°783	59°0	57°2	S.E.	Light air.	0°00	Fair; hazy.
6 0	29°789	58°1	56°6	S.E.	Light air.	0°00	Fair.
7 0	—	—	—	S.E.	Light air.	1°00	Soft cum.
8 0	29°797	58°2	57°0	N.N.W.	Light.	1°00	Soft cum.
9 0	29°801	60°9	57°9	N.N.W.	Gentle.	1°00	Soft cum.

February 21st and 22d.		MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.		Angular Value of one Scale Division = 0'502.					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	78.9	77.0	74.2	72.5	75.5	81.2	87.6	91.0	91.3	90.7	87.4
5	0	79.0	76.5	74.8	72.0	75.2	81.8	88.1	90.6	90.5	90.0	87.1
10	0	76.8	75.5	74.6	72.5	75.9	82.5	88.2	89.7	91.0	90.0	87.1
15	0	77.7	75.3	74.5	73.2	76.8	82.3	89.2	90.8	90.6	90.0	86.6
20	0	77.1	74.8	74.2	72.4	77.7	82.9	89.5	90.7	91.0	89.7	86.2
25	0	77.5	75.2	73.0	72.8	78.6	83.5	89.3	91.0	90.5	89.2	85.8
30	0	77.8	75.2	74.1	73.5	78.8	84.3	89.9	91.0	90.1	89.0	85.5
35	0	77.8	75.8	73.6	73.5	79.4	85.0	89.9	91.0	90.0	89.1	84.8
40	0	77.5	75.8	73.4	73.3	80.2	85.6	90.0	91.2	89.4	88.6	84.3
45	0	77.2	75.8	73.5	73.8	80.6	85.9	89.9	91.2	90.3	88.5	83.8
50	0	77.5	75.3	73.0	74.7	80.8	86.1	89.9	91.2	89.5	88.2	83.6
55	0	77.2	75.1	72.0	75.3	81.7	86.9	90.5	91.3	89.6	87.7	83.4
		One Scale Division = .0001882 parts of the H. F.					HORIZONTAL FORCE.					
M.	s.											
2	30	77.1	76.5	75.2	73.8	73.5	74.3	75.5	77.8	79.8	78.2	77.0
7	30	77.0	76.3	75.3	72.9	73.6	75.2	75.7	77.2	80.0	77.9	76.9
12	30	77.0	76.2	75.2	72.8	73.7	74.6	75.8	77.8	80.4	77.6	76.8
17	30	77.0	76.2	75.0	73.0	74.3	74.8	76.0	78.2	80.6	77.6	76.8
22	30	77.0	76.2	75.0	72.5	74.2	74.9	76.0	78.0	80.7	77.3	76.8
27	30	76.8	76.0	74.9	72.8	74.4	75.0	76.0	78.5	80.5	77.0	76.9
32	30	76.8	75.8	74.7	73.2	74.4	75.8	76.2	78.8	80.2	77.1	76.9
37	30	76.8	75.8	74.4	73.4	74.7	75.8	76.5	79.2	80.1	77.0	77.0
42	30	76.8	75.7	74.3	73.3	74.8	75.5	76.5	79.2	79.6	76.9	77.1
47	30	76.8	75.7	74.2	73.5	74.9	75.3	76.8	79.7	79.4	77.2	77.2
52	30	76.8	75.7	73.9	73.6	74.9	75.3	77.2	79.8	78.7	77.2	77.5
57	30	76.7	75.3	73.8	73.8	75.1	75.6	77.3	79.8	78.6	77.0	77.8
Thermometer		60.2	60.2	60.0	59.8	60.0	60.6	61.0	61.5	61.7	62.0	62.2
		Induction Inclinometer, one Sc. Div. = 0'502; p. = 4.8297; u. = 14.22'.										
M.	s.											
0	0	54.0	52.9	47.7	43.7	46.4	51.2	58.8	64.7	68.0	68.2	65.2
5	0	54.0	51.8	48.1	43.2	45.7	52.0	59.9	63.8	67.3	67.8	65.1
10	0	53.0	50.8	48.1	42.8	46.7	52.7	60.0	62.8	67.6	66.9	64.5
15	0	54.0	50.2	47.8	44.0	47.6	53.0	61.2	64.8	68.2	67.2	64.0
20	0	53.3	49.5	47.2	42.6	48.0	53.2	61.9	64.8	69.0	66.4	64.0
25	0	54.0	49.8	46.2	41.8	48.7	54.0	61.6	65.8	70.5	66.2	63.7
30	0	53.8	49.5	47.2	43.4	48.8	55.6	62.4	65.5	69.3	66.3	63.5
35	0	53.8	49.8	46.6	43.5	49.5	56.1	62.7	66.2	69.0	66.4	62.8
40	0	53.5	50.0	46.3	43.4	50.1	56.7	63.0	66.6	67.6	66.5	62.8
45	0	53.0	49.6	45.2	44.0	50.5	57.0	62.3	67.0	68.8	66.5	62.2
50	0	53.7	49.1	44.7	45.6	50.6	56.9	62.8	67.0	67.0	66.2	62.0
55	0	53.0	48.8	43.6	46.1	51.9	57.7	63.8	67.8	66.8	65.7	62.1
Thermometer		60.8	60.8	60.8	60.7	61.5	62.7	63.0	63.5	63.8	63.7	63.6
Increasing Numbers denote increasing easterly												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.		Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
			Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°							
21	10	0	29.555	53.2	52.4	—	—	1.00	Rain in passing squalls; unsettled.			
	11	0	29.582	53.5	51.0	N.W.	Moderate.	1.00	Much rain.			
	12	0	29.609	55.5	54.2	S.E.	Gentle.	1.00	Rain in passing showers; unsettled sky.			
	13	0	29.627	57.3	55.3	S.S.W.	Light.	1.00	Sky clearing.			
	14	0	29.624	60.3	54.8	Southerly.	Moderate.	0.50	Cum.			
	15	0	29.623	64.5	56.4	Southerly.	Moderate.	0.50	Cum.			
	16	0	29.620	64.7	57.3	Southerly.	Moderate.	0.75	Generally cloudy.			
	17	0	29.626	65.9	57.1	Southerly.	Moderate.	0.75	Generally cloudy.			
	18	0	29.626	66.2	58.0	—	—	0.50	Dark masses of cum. hovering about.			
	19	0	29.634	63.7	59.0	—	—	0.50	The same, wind freshening.			
	20	0	29.657	62.4	58.7	Southerly.	Fresh.	0.75	Heavy cum.			
	21	0	29.689	60.2	56.7	S.E.	Fresh.	0.75	Dark cum. on horizon; small and broken in zenith, showing lines of blue sky.			

MAGNETICAL OBSERVATIONS.

February 21st and 22d.

DECLINATION.

Angular Value of one Scale Division = 0' 502.

21 ^h .	22 ^h .	23 ^h .	0 ^h .	1 ^h .	2 ^h .	3 ^h .	4 ^h .	5 ^h .	6 ^h .	7 ^h .	8 ^h .	9 ^h .
Sc. Div. 83.1	Sc. Div. 77.7	Sc. Div. 79.8	Sc. Div. 78.2	Sc. Div. 75.8	Sc. Div. 74.9	Sc. Div. 77.0	Sc. Div. 78.4	Sc. Div. 78.0	Sc. Div. 76.1	Sc. Div. 78.4	Sc. Div. 81.2	Sc. Div. 80.9
82.8	80.2	80.0	78.7	75.7	75.0	76.0	81.8	77.8	77.4	78.4	82.0	81.2
82.0	81.8	79.8	78.0	74.0	74.7	75.6	81.2	77.7	78.1	78.8	81.6	81.1
81.2	82.3	79.8	77.6	70.1	75.2	75.3	79.8	78.0	79.0	79.2	81.0	81.0
81.2	80.2	79.8	77.5	69.2	74.6	74.7	79.8	77.5	79.2	79.2	80.6	83.3
81.8	77.7	80.0	77.7	69.9	74.7	72.3	80.0	77.2	78.8	78.7	80.8	83.2
81.2	78.0	80.2	77.7	70.8	74.8	72.2	79.9	77.0	78.8	78.8	81.8	83.2
80.8	78.5	80.2	77.8	71.3	75.1	73.0	80.2	75.8	78.5	79.8	81.2	82.7
77.1	79.0	80.0	78.0	72.8	75.2	73.2	81.2	76.0	78.8	79.6	81.5	83.0
74.1	79.3	79.2	78.0	73.9	76.2	72.9	80.2	76.2	79.0	79.9	81.7	82.3
75.1	79.2	78.8	77.5	74.0	76.8	73.4	79.3	76.5	78.7	80.3	80.7	82.0
76.6	79.2	78.7	77.0	74.5	77.8	—	78.5	75.8	78.4	81.2	80.3	82.0

HORIZONTAL FORCE.

Change in the Magnetic moment of the Bar for 1° Fahr. = '000093.

77.7	77.5	77.2	77.8	77.8	77.0	77.6	78.7	81.5	78.8	77.9	78.0	77.7
78.1	77.3	77.2	77.7	77.6	76.8	77.8	78.8	81.2	78.8	77.8	78.2	77.7
77.9	76.8	77.2	77.6	77.6	76.8	78.1	78.8	80.9	78.8	77.7	78.2	77.7
77.7	76.3	77.2	77.3	77.5	77.0	78.3	79.3	80.8	78.8	77.7	78.0	77.6
77.3	75.9	77.2	77.2	77.7	76.8	78.4	80.0	80.8	78.7	77.7	78.2	77.6
77.0	76.2	77.7	77.2	77.7	76.9	78.2	80.0	80.8	78.5	77.7	78.2	77.5
76.6	76.5	77.7	77.0	77.6	76.9	78.0	80.2	80.8	78.4	77.7	78.1	77.5
76.0	76.7	77.8	77.2	77.5	77.0	77.8	80.6	80.2	78.2	77.6	78.1	77.4
75.7	76.8	77.9	77.0	77.6	77.2	77.7	81.2	80.0	78.2	77.6	78.2	77.4
76.7	76.8	78.0	77.0	77.5	77.3	77.7	81.2	79.8	78.2	77.6	78.2	77.5
76.8	76.9	77.8	77.0	77.4	77.5	77.8	81.2	79.3	78.1	77.7	78.0	77.7
77.1	77.0	77.8	77.4	77.0	77.6	78.0	81.5	79.2	78.1	77.9	78.0	77.7
62.2	62.2	62.2	62.2	62.2	62.2	62.0	61.8	61.6	61.5	61.2	61.0	61.1

Induction Inclinometer, one Sc. Div. = 0' 502; p. = 4' 8297; u. = 14° 22'.

61.0	54.2	55.1	54.2	53.2	50.5	53.6	54.8	59.8	53.0	56.0	58.2	57.9
60.8	57.1	55.2	54.7	53.0	50.6	53.0	58.2	59.0	54.2	56.1	59.0	58.2
59.2	58.0	55.0	54.2	51.6	50.2	52.4	58.2	57.7	55.1	56.2	59.0	58.3
58.0	57.8	55.0	53.5	47.5	51.1	52.5	56.5	57.9	55.8	55.7	58.7	58.1
57.7	54.2	55.0	53.1	46.5	50.7	52.0	58.8	57.2	56.2	55.7	57.9	60.1
57.3	51.5	55.2	53.2	47.6	50.5	49.2	59.2	56.8	55.6	55.1	58.0	59.9
55.9	52.2	56.2	53.4	48.1	50.6	49.0	59.2	56.5	55.6	55.5	59.0	59.7
55.4	52.9	56.5	53.8	48.5	51.4	49.0	60.0	54.8	55.0	56.5	58.4	59.0
51.2	53.5	56.3	54.2	50.1	51.9	48.7	62.0	54.2	55.7	56.2	58.8	59.2
48.8	55.0	56.0	54.2	51.0	52.7	48.3	62.0	54.0	55.9	56.5	59.2	58.7
50.7	54.0	55.2	54.2	51.1	53.0	48.9	60.9	54.0	56.2	57.2	58.0	58.0
52.5	54.1	54.8	54.1	51.2	54.3	—	59.8	52.8	55.9	58.1	57.3	58.3
63.3	63.1	63.0	63.0	63.0	62.7	62.5	62.3	62.2	62.0	61.7	61.6	61.7

Declination, increasing Horizontal Force, and decreasing Inclination.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
D.	H.	M.		Dry.	Wet.	Direction.	Force.		
21	22	0	29.726	58.8	55.5	S.Ely.	Fresh.	1.00	Overcast, with cum.-strat. and dark cum. on the horizon.
	23	0	29.756	58.0	55.0	S.Ely.	Fresh.	1.00	Overcast, with cum.-strat. and dark cum. on the horizon.
22	0	0	29.789	58.0	55.2	S.E.	Gentle.	1.00	Dark watery-looking cum. hanging about.
	1	0	29.789	57.0	54.5	S.E.	Strong.	1.00	Large masses of heavy cum. moving rapidly.
	2	0	29.793	56.3	53.2	S.S.E.	Strong.	1.00	A few patches of cum.
	3	0	29.801	55.7	52.6	S.Ely.	Strong.	0.25	Cum. and cir.-cum., and clear atmosphere.
	4	0	29.815	56.0	52.6	S.Ely.	Fresh.	1.00	Cum., assuming nearly the form of nimbus.
	5	0	29.829	56.0	52.4	S.Ely.	Moderate.	1.00	Cum., assuming nearly the form of nimbus.
	6	0	29.835	55.5	52.5	S.E.	Light air.	1.00	Overcast; nearly calm.
	7	0	29.853	55.2	53.2	—	Calm.	1.00	Overcast; nearly calm.
	8	0	29.867	55.0	53.4	—	Calm.	1.00	Gloomy; cum. covering the whole sky.
	9	0	29.895	55.5	53.8	—	Calm.	0.50	Clouds dispersing; fine.

March 19th and 20th.		MAGNETICAL OBSERVATIONS.											
- Mean Göttingen Time.		Angular Value of One Scale Division = 0' 502.										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	78.5	76.2	76.7	77.3	83.0	84.9	88.5	90.4	88.7	89.2	86.4	
5	0	78.2	75.8	77.2	77.8	83.0	85.2	88.5	90.3	88.8	88.7	86.0	
10	0	77.2	75.3	77.0	78.4	83.3	85.5	88.6	88.7	88.8	88.8	86.2	
15	0	77.2	75.0	76.4	78.8	83.3	85.8	88.8	90.0	87.4	89.0	86.2	
20	0	76.6	74.8	76.8	79.4	83.0	86.2	89.2	90.0	88.2	88.3	86.1	
25	0	76.2	74.7	77.4	79.5	83.8	86.4	89.3	90.0	88.0	88.5	86.5	
30	0	75.8	74.5	76.8	81.0	84.6	86.5	89.6	90.8	88.4	88.2	86.2	
35	0	75.8	74.3	76.4	81.8	85.2	86.8	89.7	90.7	87.7	88.2	85.6	
40	0	75.2	75.2	77.2	81.6	84.6	87.0	90.0	89.7	87.2	88.2	85.4	
45	0	75.8	75.8	77.0	82.2	84.7	87.2	89.9	90.5	88.5	88.0	84.8	
50	0	76.0	75.9	76.5	82.0	84.5	87.5	90.4	90.9	89.3	87.2	84.4	
55	0	76.0	76.0	77.8	83.0	84.2	88.0	90.3	88.5	88.6	86.9	84.2	

M. S.		One Scale Division = .000188 parts of the H. F.										HORIZONTAL FORCE.	
2	30	72.8	69.2	69.0	66.5	66.6	70.6	73.2	72.6	72.2	72.2	72.8	
7	30	72.2	68.8	69.0	66.5	66.4	70.6	73.7	72.3	73.3	71.7	73.0	
12	30	72.0	68.9	69.2	66.8	67.2	71.2	73.7	72.1	73.2	71.7	73.2	
17	30	71.2	68.4	69.0	67.0	67.6	72.0	73.5	72.1	72.9	71.7	73.3	
22	30	71.0	68.0	69.4	67.0	68.0	72.0	73.6	72.2	72.7	71.8	73.2	
27	30	70.8	67.8	69.0	66.6	68.5	72.8	73.5	72.5	72.3	71.8	73.2	
32	30	70.8	67.8	69.1	66.2	69.0	73.0	73.6	72.6	72.5	72.2	73.5	
37	30	70.7	68.0	69.1	66.0	69.0	73.0	73.2	72.2	72.2	72.2	73.5	
42	30	70.5	68.3	69.0	66.2	70.0	73.2	73.1	72.0	72.2	72.2	73.5	
47	30	70.8	68.2	68.8	66.1	70.2	73.0	72.9	71.7	72.7	72.2	73.5	
52	30	70.2	68.5	69.0	66.0	70.0	73.3	72.7	72.0	72.2	72.7	73.5	
57	30	69.8	68.8	66.0	66.2	70.3	73.3	72.6	71.0	72.7	72.8	73.5	

Thermometer	58.5	58.2	58.6	58.6	59.0	59.4	60.0	60.7	61.0	61.2	61.2
-------------	------	------	------	------	------	------	------	------	------	------	------

M. S.		Induction Incliner, one Sc. Div. = 0' 502 ; p. = 4.8297 ; u. = 14° 22'.										
0	0	46.2	42.0	41.8	40.3	44.4	47.6	51.9	54.3	52.3	54.0	51.8
5	0	45.8	41.8	42.2	40.6	44.6	47.7	52.3	54.1	54.1	52.4	51.5
10	0	44.8	41.0	42.0	41.4	45.0	48.6	52.4	53.1	54.0	52.5	51.8
15	0	44.2	40.9	40.8	42.0	45.4	49.0	52.6	53.6	53.9	52.8	52.2
20	0	43.4	40.2	40.8	42.0	45.2	49.8	53.1	53.9	53.2	52.3	52.1
25	0	42.8	40.1	41.4	42.0	46.2	49.8	53.2	54.0	52.3	53.0	52.2
30	0	42.2	40.0	40.0	42.8	47.3	50.5	53.6	55.4	53.2	52.8	52.2
35	0	42.3	39.8	39.6	42.0	48.2	50.8	53.7	55.2	52.1	53.0	51.6
40	0	41.7	40.8	40.4	43.0	47.8	51.0	53.8	53.7	51.2	53.2	51.5
45	0	42.2	41.0	40.0	43.5	47.6	50.8	53.9	54.5	53.2	53.0	50.9
50	0	42.7	41.0	39.4	43.2	47.6	51.2	54.3	55.4	54.3	52.5	50.7
55	0	42.2	41.0	41.0	44.4	46.8	51.8	54.0	51.1	52.8	52.2	50.5

Thermometer	59.0	59.2	60.0	60.2	60.8	61.8	62.6	62.7	62.8	62.8	62.6
-------------	------	------	------	------	------	------	------	------	------	------	------

Increasing Numbers denote increasing easterly

METEOROLOGICAL OBSERVATIONS.											
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.		
				Dry.	Wet.	Direction.	Force.				
D.	H.	M.	In.	°	°						
19	10	0	30.000	50.0	49.5	S.S.W.	Light.	0.00	Fine; a few cirrus clouds.		
	11	0	30.010	52.8	50.8	N.W. by W.	Light.	0.00	Fine.		
	12	0	30.022	56.4	51.4	N.W. by W.	Light air.	0.25	Watery looking cum. gathering in east.		
	13	0	30.022	58.6	53.2	N.	Light air.	0.25	Watery looking cum. gathering in east.		
	14	0	30.005	60.5	54.5	E.N.E.	Gentle.	0.40	Fine.		
	15	0	29.986	62.4	54.8	N. by E.	Gentle.	0.30	Fine.		
	16	0	29.950	64.8	56.7	S.S.E.	Gentle.	0.30	Light cum.		
	17	0	29.933	63.2	56.4	S. by E.	Moderate.	0.40	Light cum.		
	18	0	29.921	62.8	55.6	S. by E.	Light.	0.10	Serene weather.		
	19	0	29.903	62.1	55.6	S. by E.	Light.	0.00	Serene; mild balmy air.		
	20	0	29.906	60.0	54.0	S. by E.	Light.	0.60	Cum. and cir-cum. spreading.		
	21	0	29.919	59.0	54.0	S. by E.	Light.	1.00	Overcast.		

MAGNETICAL OBSERVATIONS. March 19th and 20th.

DECLINATION.												Angular Value of One Scale Division = 0° 502.														
21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.	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.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
84°0	74°8	71°5	77°5	79°9	79°8								83°8	72°0	74°2	78°0	81°0	79°9								
83°8	72°0	74°2	78°0	81°0	79°9								83°5	70°0	74°4	78°7	81°4	79°7								
83°5	70°0	74°4	78°7	81°4	79°7								83°8	62°8	74°2	78°4	81°1	79°8								
83°8	62°8	74°2	78°4	81°1	79°8								83°9	62°4	74°6	79°3	79°3	79°8								
83°9	62°4	74°6	79°3	79°3	79°8								83°5	63°2	75°0	80°2	78°3	79°5								
83°5	63°2	75°0	80°2	78°3	79°5								83°5	64°5	75°8	80°6	78°2	79°8								
83°5	64°5	75°8	80°6	78°2	79°8								83°4	63°0	76°4	80°7	79°0	80°0								
83°4	63°0	76°4	80°7	79°0	80°0								83°3	64°6	75°6	80°8	79°4	80°0								
83°3	64°6	75°6	80°8	79°4	80°0								82°8	65°0	75°4	80°3	79°6	80°2								
82°8	65°0	75°4	80°3	79°6	80°2								82°0	65°0	75°4	79°6	79°7	80°2								
82°0	65°0	75°4	79°6	79°7	80°2								77°7	69°2	76°4	79°8	79°8	—								
77°7	69°2	76°4	79°8	79°8	—																					

HORIZONTAL FORCE.												Change in the Magnetic moment of the Bar for 1° Fah°. = .000093.													
73°5	74°0	77°0	74°2	73°4	75°6								73°5	74°4	76°7	74°1	73°7	75°8							
73°5	74°4	76°7	74°1	73°7	75°8								73°5	75°5	76°4	73°9	73°7	76°2							
73°5	75°5	76°4	73°9	73°7	76°2								73°7	75°8	76°0	73°4	73°6	76°2							
73°7	75°8	76°0	73°4	73°6	76°2								74°2	77°2	74°8	73°4	74°3	76°2							
74°2	77°2	74°8	73°4	74°3	76°2								74°7	77°5	75°0	73°7	75°9	76°2							
74°7	77°5	75°0	73°7	75°9	76°2								74°9	77°0	75°0	73°7	75°7	76°5							
74°9	77°0	75°0	73°7	75°7	76°5								74°8	77°4	74°6	73°6	75°8	76°8							
74°8	77°4	74°6	73°6	75°8	76°8								74°6	78°1	74°3	73°6	75°7	77°2							
74°6	78°1	74°3	73°6	75°7	77°2								74°2	77°8	74°2	73°6	75°6	77°5							
74°2	77°8	74°2	73°6	75°6	77°5								74°0	77°4	74°0	73°6	75°3	77°7							
74°0	77°4	74°0	73°6	75°3	77°7								73°6	77°2	74°0	73°4	75°6	—							
73°6	77°2	74°0	73°4	75°6	—																				
													61°3	61°6	62°0	62°2	62°2	62°0							
61°3	61°6	62°0	62°2	62°2	62°0																				

Induction Inclinometer, one Sc. Div. = 0° 502; p. = 4° 8297; u. = 14° 22'.																								
50°2	41°3	41°5	44°2	45°5	47°1							50°3	39°2	44°0	44°7	47°0	47°3							
50°3	39°2	44°0	44°7	47°0	47°3							50°0	37°8	44°0	45°4	47°3	47°2							
50°0	37°8	44°0	45°4	47°3	47°2							50°5	32°2	43°2	44°8	47°1	47°3							
50°5	32°2	43°2	44°8	47°1	47°3							50°7	32°0	42°6	45°3	45°3	47°3							
50°7	32°0	42°6	45°3	45°3	47°3							51°2	33°8	42°0	46°7	45°6	47°2							
51°2	33°8	42°0	46°7	45°6	47°2							51°6	34°7	43°2	47°2	47°1	47°5							
51°6	34°7	43°2	47°2	47°1	47°5							51°6	32°6	43°4	47°0	47°2	47°5							
51°6	32°6	43°4	47°0	47°2	47°5							51°2	35°2	42°4	47°0	47°4	47°8							
51°2	35°2	42°4	47°0	47°4	47°8							50°0	36°0	42°0	46°4	47°2	48°2							
50°0	36°0	42°0	46°4	47°2	48°2							49°0	35°4	42°0	45°7	47°1	48°5							
49°0	35°4	42°0	45°7	47°1	48°5							44°4	39°4	42°8	45°7	47°2	—							
44°4	39°4	42°8	45°7	47°2	—																			
												62°6	62°6	63°4	63°5	62°6	62°1							
62°6	62°6	63°4	63°5	62°6	62°1																			

Declination, increasing Horizontal Force, and increasing Declination.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
				Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	°				
19	22	0	29°929	57°6	53°6	S. by E.	Light.	1°00	Overcast.
	23	0	29°228	57°0	53°0	S. by E.	Light air.	1°00	Overcast.
20	0	0	29°918	56°4	52°6	S. by E.	Light air.	1°00	Cum. in patches.
	1	0	29°909	55°7	53°1	S. by E.	Light air.	1°00	Cum. in patches.
	2	0	29°898	54°8	50°0	N.N.W.	Light.	0°70	Light cum. and strat.; fine.
	3	0 ^a							
	4	0							
	5	0							
	6	0							
	7	0							
	8	0							
	9	0							

^a Good Friday.

April 23d and 24th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0' 502.					DECLINATION.					
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
M.	s.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0		79·4	77·7	76·7	79·5	83·0	91·6	91·9	93·8	93·0	90·0	88·8
5	0		79·7	78·0	77·2	79·3	83·0	92·0	92·3	93·3	92·8	89·9	88·8
10	0		80·0	79·0	77·1	79·9	83·6	91·6	92·2	93·8	92·5	90·0	84·0
15	0		79·7	79·0	77·2	81·1	83·8	90·4	92·2	93·9	92·2	90·0	88·8
20	0		79·1	78·8	77·2	82·0	84·6	90·0	92·2	93·8	92·2	90·0	88·4
25	0		78·8	78·0	77·0	80·2	84·8	90·4	92·8	94·0	92·5	90·0	89·6
30	0		79·7	78·4	78·0	80·8	85·8	90·8	92·9	93·8	92·1	90·2	90·0
35	0		79·7	80·0	78·6	81·2	88·0	91·2	92·8	93·8	91·5	90·2	89·9
40	0		80·0	79·6	78·6	81·5	89·8	91·2	93·5	93·8	91·2	90·0	89·8
45	0		80·3	77·4	78·6	81·7	90·2	91·2	93·2	93·5	91·0	89·8	89·6
50	0		79·9	78·0	78·6	82·0	91·2	91·2	93·3	93·0	90·2	89·2	89·1
55	0		79·0	78·2	78·6	82·3	91·4	91·4	93·7	92·8	89·9	88·5	88·8
M. s.			One Scale Division = '000086 parts of the H. F.					HORIZONTAL FORCE.					
2	30		57·5	51·0	44·8	40·7	32·4	30·6	27·2	31·1	34·0	34·0	40·8
7	30		56·1	52·0	44·7	39·7	33·1	29·2	26·5	31·3	33·5	34·3	41·6
12	30		57·3	51·9	44·9	—	32·4	28·0	27·3	31·8	33·7	34·9	42·8
17	30		55·5	51·0	44·4	37·6	30·6	27·2	27·5	31·8	33·9	36·0	42·4
22	30		55·8	49·4	44·5	37·6	28·8	29·0	28·3	32·3	34·2	36·8	41·0
27	30		56·1	49·2	45·0	36·7	27·8	28·1	29·5	32·8	34·5	37·5	39·8
32	30		55·5	49·0	44·4	34·8	28·6	27·9	29·6	32·8	33·5	38·0	38·1
37	30		56·2	48·2	44·0	33·7	29·2	27·0	30·3	33·2	32·9	37·8	37·4
42	30		54·9	46·8	43·2	33·8	30·0	25·7	30·5	33·3	33·4	38·5	37·6
47	30		54·2	45·4	42·7	34·3	33·8	25·0	30·5	32·8	32·8	38·8	36·9
52	30		52·1	46·0	41·7	34·8	33·2	25·0	31·2	33·0	32·9	37·8	36·8
57	30		52·0	44·0	40·9	33·7	32·2	25·8	31·2	33·5	33·5	39·3	37·4
Thermometer			52·2	52·0	52·0	52·7	53·4	54·0	54·6	55·0	55·2	55·0	55·5
M. s.			Induction Inclinator, one Sc. Div. = 0' 502; p. = 4' 8297; u. = 14° 22'.										
0	0		43·4	40·0	37·0	39·2	41·6	48·0	50·0	52·9	52·7	50·0	50·2
5	0		44·0	40·6	37·4	39·0	43·0	48·2	50·5	52·8	52·5	50·4	50·0
10	0		44·0	41·4	37·6	39·3	42·4	48·0	50·5	53·2	52·2	50·5	51·0
15	0		43·2	41·3	37·6	39·1	42·6	47·8	50·5	53·2	52·0	50·8	50·5
20	0		43·0	40·7	37·6	39·8	43·0	48·4	50·8	53·8	52·0	50·8	50·2
25	0		43·2	39·6	37·4	39·8	42·7	48·8	51·2	53·3	52·2	51·0	51·2
30	0		44·5	39·8	38·5	39·9	43·5	48·8	51·8	53·2	51·9	51·2	51·2
35	0		43·8	41·7	39·0	39·9	44·4	49·8	51·8	53·5	51·0	51·2	51·0
40	0		43·2	41·2	38·9	40·2	45·1	49·4	52·6	53·5	50·8	51·2	50·2
45	0		43·8	38·2	38·7	40·6	45·2	49·2	52·2	53·0	50·5	50·8	50·2
50	0		42·7	38·0	38·6	41·3	48·3	49·0	52·5	52·8	50·0	50·2	49·8
55	0		42·0	39·0	38·6	41·5	48·1	49·2	52·8	52·5	49·8	49·8	49·2
Thermometer			52·3	52·3	53·0	54·7	55·6	56·4	56·6	57·2	57·0	56·8	56·6
Increasing Numbers denote increasing easterly Declination.													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°								
23	10	0	30·268	43·0	42·0	W. by N.	Gentle.	0·50	Cum. and cum.-strat.; fine.				
	11	0	30·277	45·3	44·0	W. by N.	Moderate.	0·40	Cum. and cum.-strat.; fine.				
	12	0	30·277	47·9	45·4	N.N.W.	Moderate.	0·20	Clear; fine.				
	13	0	30·261	51·9	48·0	N.W. by N.	Moderate.	0·20	Cir. and fleecy haze.				
	14	0	30·249	54·5	49·6	N. by W.	Light.	0·10	Cloudy.				
	15	0	30·230	56·2	50·5	N. by W.	Light.	0·10	Cir. and haze.				
	16	0	30·197	58·0	51·4	N.	Light.	0·10	Generally fine.				
	17	0	30·189	59·0	52·0	N. by E.	Light.	0·20	Generally fine.				
	18	0	30·181	58·3	52·3	S.E. by S.	Light.	0·20	Serene; cir.				
	19	0	30·173	56·8	51·5	S.S.E.	Gentle.	0·20	Serene; cir.				
	20	0	30·168	54·2	50·5	S.S.E.	Gentle.	0·20	Serene; cir.				
	21	0	30·176	51·6	48·4	S.S.E.	Light.	0·20	Serene; cir.				

MAGNETICAL OBSERVATIONS.

April 23d and 24th.

DECLINATION.

Angular Value of one Scale Division = 0' 502.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div. 88'5	Sc. Div. 86'2	Sc. Div. 84'9	Sc. Div. 84'4	Sc. Div. 83'0	Sc. Div. 82'8	Sc. Div. 82'4	Sc. Div. 83'0	Sc. Div. 82'1	Sc. Div. 80'3	Sc. Div. 85'1	Sc. Div. 82'6	Sc. Div. 81'8
88'6	86'4	84'9	84'4	83'0	83'0	83'5	82'3	82'2	79'8	85'4	82'2	82'2
88'5	86'6	85'0	84'5	84'0	83'1	83'9	81'2	84'5	79'7	85'2	82'3	82'1
88'2	86'5	85'1	84'3	83'8	83'0	84'9	80'1	85'8	79'8	84'2	82'8	82'2
87'8	86'3	84'8	84'5	83'7	82'5	84'9	80'0	85'4	80'0	84'2	82'6	81'8
87'6	85'9	84'7	84'4	83'6	82'5	84'9	79'1	85'0	80'4	83'7	82'8	81'8
87'5	85'9	84'7	84'2	83'7	82'7	84'9	79'0	84'7	80'8	83'8	82'2	82'0
87'2	85'6	84'5	84'2	83'5	82'3	85'0	79'3	84'6	81'4	83'2	82'0	82'0
86'9	85'2	84'7	84'0	83'6	82'6	84'8	79'8	86'0	82'4	82'4	82'0	82'2
87'0	85'0	84'4	84'2	83'7	82'7	84'5	80'4	84'9	83'0	82'8	82'0	81'8
86'9	85'0	84'4	84'1	83'2	82'8	84'5	80'6	83'6	83'2	82'4	81'8	81'6
86'5	85'0	84'3	83'8	83'0	82'4	83'5	81'5	81'3	83'8	82'1	81'5	81'6

HORIZONTAL FORCE.

Change in the Magnetic moment of the Bar for 1° Fah. = '000093.

38'0	41'1	44'0	45'5	43'0	44'2	37'4	45'8	42'8	46'6	43'2	43'5	46'0
39'0	42'6	44'4	45'5	43'6	44'2	40'1	47'0	45'7	45'1	43'4	43'9	45'8
38'9	43'4	44'3	44'7	43'1	43'4	40'9	46'3	47'0	44'9	44'0	44'5	45'8
39'6	43'6	43'8	44'1	43'3	43'3	40'9	47'9	46'6	43'8	45'6	44'8	45'7
39'9	43'5	44'3	44'0	42'8	42'0	40'8	46'4	47'0	43'9	45'8	44'8	45'5
39'7	43'0	44'6	44'3	44'2	41'8	40'8	43'4	—	44'3	45'8	44'7	45'5
40'3	43'2	45'0	44'1	44'8	40'8	40'8	44'9	48'3	43'6	45'8	44'2	45'8
41'0	43'5	45'2	43'3	44'7	38'9	41'3	44'6	50'4	42'3	44'4	44'7	45'8
41'0	45'2	45'3	43'2	44'6	39'0	41'6	44'6	51'0	42'3	44'8	45'1	45'8
42'1	45'3	45'9	43'8	44'8	40'9	42'5	44'2	48'8	41'3	44'6	45'3	45'8
42'0	44'5	45'8	43'0	43'7	41'8	42'8	44'4	48'7	40'8	43'9	44'9	45'7
41'0	44'0	45'5	42'3	43'8	35'5	43'9	—	47'8	42'0	43'8	46'2	45'7

56'8	56'0	56'1	56'0	55'7	55'5	55'5	55'5	55'0	54'7	54'4	54'2	53'8
------	------	------	------	------	------	------	------	------	------	------	------	------

Induction Inclinometer, one Sc. Div. = 0' 502; p. = 4'8297; u. = 14° 22'.

49'2	47'9	47'5	47'6	44'6	44'6	42'8	46'4	44'2	42'9	46'4	44'5	44'0
49'9	48'1	48'0	48'2	44'0	45'0	44'7	46'0	44'6	42'0	46'7	44'2	44'0
49'9	48'9	44'3	47'8	45'8	45'5	45'0	43'9	48'3	42'3	47'0	44'2	43'8
49'8	49'0	46'0	47'2	45'3	45'0	46'0	43'5	49'1	42'0	46'4	44'7	43'8
49'1	48'9	46'4	47'0	45'0	44'0	46'0	44'4	48'1	42'2	46'8	44'6	43'6
49'1	48'2	46'8	47'0	45'8	44'0	46'3	41'8	47'0	42'4	46'0	45'5	43'5
49'0	48'1	47'0	46'8	46'2	44'0	46'4	41'2	47'1	42'6	46'0	44'6	43'8
48'8	48'1	46'6	46'0	46'0	43'0	46'9	41'7	47'6	43'0	45'2	43'9	43'8
48'6	47'8	47'5	46'0	46'0	43'6	46'3	42'0	49'1	43'8	44'0	44'6	44'0
48'9	48'0	47'4	46'2	45'8	43'9	46'4	42'6	47'8	44'4	44'5	44'8	43'8
49'0	47'8	47'3	46'0	45'2	44'0	46'7	42'8	46'5	44'4	44'0	44'2	43'2
48'2	47'7	47'0	45'7	45'0	42'9	46'0	43'6	44'0	45'0	43'9	44'0	43'2

55'6	57'0	57'0	56'8	56'2	56'0	56'2	56'0	55'6	55'2	54'5	54'5	54'5
------	------	------	------	------	------	------	------	------	------	------	------	------

increasing Horizontal Force, and decreasing Inclination.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.		
		Dry.	Wet.	Direction.	Force.				
D. 23	H. 22	M. 0	In. 30'185	° 50'1	° 47'2	S.S.E.	Light air.	0'30	Hazy; cir.
	23	0	30'176	48'5	46'8	—	Calm.	0'20	Much haze.
24	0	0	30'174	46'5	45'0	—	Calm.	0'50	Hazy; cir.-cum.
	1	0	30'167	45'2	44'4	N.N.E.	Light air.	0'50	Hazy; cir.-cum.
	2	0	30'152	45'0	44'0	N. by E.	Light air.	0'40	Detached cum.
	3	0	30'140	43'8	43'0	N. by E.	Light air.	0'40	Detached cum.
	4	0	30'136	43'3	42'5	N.	Light air.	0'40	Fine; cir.-strat.
	5	0	30'112	42'8	42'0	N.W.	Light air.	0'30	Fine; cum. and strat.
	6	0	30'078	42'7	42'0	N.W. by W.	Moderate.	0'30	Cirri.
	7	0	30'062	43'4	42'4	N.W. by W.	Moderate.	0'30	Cirri.
	8	0	30'066	44'2	42'8	N.W.	Fresh.	0'40	Unsettled and windy appearance; strat.
	9	0	30'050	43'8	42'4	N.W. by N.	Strong.	0'50	Unsettled and windy appearance; strat.

May 30th and 31st.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0' 502.					DECLINATION.					
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
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		80°6	80°3	81°8	81°8	82°0	85°0	87°0	88°2	88°3	87°2	85°6
5	0		81°1	80°9	81°4	81°7	82°2	85°2	87°4	88°5	88°1	87°1	85°2
10	0		81°6	81°6	80°7	81°4	83°0	85°8	87°5	88°5	88°3	86°8	85°0
15	0		82°1	81°7	79°0	81°6	83°8	86°2	87°5	88°5	88°4	86°9	—
20	0		81°6	81°9	79°7	81°4	84°0	86°4	87°6	88°8	88°7	86°8	84°0
25	0		81°0	81°9	80°6	81°6	84°6	86°9	87°6	88°8	89°0	86°3	82°9
30	0		80°7	81°7	80°8	81°2	84°8	87°6	87°3	89°0	88°3	86°4	82°9
35	0		80°9	81°8	80°8	81°8	84°2	87°5	87°3	89°0	88°1	86°5	84°0
40	0		80°5	82°4	80°8	81°8	84°2	87°5	87°3	89°0	87°6	86°9	83°9
45	0		80°5	82°6	81°0	81°0	84°5	87°8	87°6	88°6	87°3	86°7	84°5
50	0		80°8	82°6	81°6	81°4	84°8	87°3	87°8	88°6	87°3	87°0	85°4
55	0		80°7	82°3	81°9	81°2	84°8	87°2	88°0	88°4	87°1	86°4	86°2
			One Scale Division = '000086 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	30		70°0	70°5	70°1	65°8	58°8	56°8	54°0	52°2	54°3	57°4	48°8
7	30		70°0	70°3	69°5	64°0	59°0	55°8	54°1	55°2	54°6	57°7	48°4
12	30		71°5	69°6	69°0	63°2	59°6	56°1	54°6	52°2	56°4	58°1	46°1
17	30		71°6	69°8	69°3	62°2	59°4	56°0	55°0	52°7	56°3	58°5	43°2
22	30		72°1	69°7	69°6	61°2	59°2	55°8	55°0	53°2	56°2	57°8	43°1
27	30		72°4	70°2	68°9	59°8	58°5	55°5	55°5	53°3	56°6	57°8	44°8
32	30		72°4	70°2	68°0	59°2	58°2	54°6	55°4	53°8	57°5	57°3	43°7
37	30		72°1	71°3	67°5	58°6	57°6	54°0	54°5	54°2	57°5	56°3	42°8
42	30		71°7	71°7	66°6	58°6	57°4	54°2	54°2	53°4	57°5	54°7	42°8
47	30		71°5	71°1	66°8	58°8	57°4	53°5	53°6	54°0	57°3	52°8	44°3
52	30		71°1	71°0	66°7	58°6	57°2	53°8	52°5	54°7	57°3	51°3	44°9
57	30		70°8	70°3	65°8	58°6	56°4	54°0	52°3	54°5	57°3	49°6	43°8
Thermometer			47°7	48°2	48°3	48°6	48°6	49°0	49°0	48°9	49°0	48°9	48°8
			Induction Inclinometer, one Sc. Div. = 0' 502; p. = 4° 8297; u. = 14° 22'.										
M.	S.												
0	0		51°0	52°3	53°2	54°0	54°0	54°6	56°8	56°9	57°0	56°4	57°0
5	0		51°0	52°3	53°1	54°0	54°0	54°7	56°7	56°9	57°0	56°4	57°0
10	0		51°1	52°1	53°6	54°2	54°0	54°8	56°8	57°0	56°3	56°4	57°0
15	0		51°1	53°1	53°6	54°2	54°0	54°8	56°8	57°0	56°3	56°5	—
20	0		51°1	53°1	53°6	54°2	54°0	55°6	56°6	57°0	56°3	56°5	57°0
25	0		51°1	53°1	53°7	54°0	54°1	55°6	56°7	56°9	56°3	56°6	57°0
30	0		51°1	53°1	53°8	54°0	54°1	55°6	56°8	56°9	56°4	56°5	57°0
35	0		51°2	53°1	53°8	54°0	54°0	55°6	56°7	56°9	56°4	56°5	57°0
40	0		51°2	53°2	53°8	54°0	54°2	55°6	56°7	57°0	56°4	56°6	56°9
45	0		52°3	53°2	53°7	54°0	54°1	56°2	56°8	57°0	56°3	56°6	57°0
50	0		52°3	53°2	53°6	54°0	54°2	56°4	56°8	57°0	56°4	56°8	57°0
55	0		52°3	53°2	53°8	54°1	54°6	56°8	56°8	57°0	56°4	56°8	57°0
Thermometer			48°6	49°6	49°8	50°0	49°8	50°0	49°8	49°9	49°7	50°0	50°2
Increasing Numbers denote increasing easterly Declination.													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°								
30	10	0	29°577	46°1	44°2	S. by E.	Moderate.	1°00	Overcast; gloomy.				
	11	0	29°606	44°7	44°1	S. by E.	Moderate.	1°00	Overcast; gloomy; ragged cum.				
	12	0	29°631	45°8	44°8	S.E.	Moderate.	1°00	Cloudy; frequent hard showers of rain.				
	13	0	29°659	47°0	45°0	S.E. by E.	Moderate.	1°00	Cloudy; frequent hard showers of rain.				
	14	0	29°669	47°8	45°6	S.E. by E.	Moderate.	1°00	Squalls and rain.				
	15	0	29°672	47°6	45°2	S.E.	Moderate.	1°00	Squalls and rain.				
	16	0	29°678	46°2	43°7	S.S.E.	Moderate.	0°80	Showers of light rain; patches of blue sky visible.				
	17	0	29°686	47°2	43°2	S.S.E.	Gentle.	1°00	Hard showers, and squalls.				
	18	0	29°706	46°4	43°3	S.S.E.	Fresh.	0°70	Frequent squalls of rain and wind.				
	19	0	29°727	45°2	43°3	S. by E.	Gentle.	0°90	Thick weather, with rain at times.				
	20	0	29°743	44°0	42°7	S.E. by S.	Gentle.	1°00	Squally; intermitting showers.				
	21	0	29°776	45°2	42°6	S.	Gentle.	1°00	Continued rain.				

MAGNETICAL OBSERVATIONS. May 30th and 31st.

DECLINATION. Angular Value of one Scale Division = 0' 502.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div. 86.6	Sc. Div. 89.8	Sc. Div. 80.8	Sc. Div. 72.0	Sc. Div. 71.0	Sc. Div. 65.2	Sc. Div. 69.5	Sc. Div. 75.9	Sc. Div. 78.8	Sc. Div. 78.0	Sc. Div. 80.0	Sc. Div. 80.1	Sc. Div. 79.2
85.8	89.7	80.4	71.9	69.9	63.8	70.0	76.6	78.8	79.2	80.0	80.5	79.1
85.4	89.2	78.2	76.0	67.5	66.3	69.3	76.8	78.6	80.0	80.6	80.5	79.2
85.5	88.0	76.2	75.6	68.0	67.0	69.0	77.9	79.4	80.8	80.2	80.0	79.4
86.0	87.6	75.0	75.2	68.7	66.0	69.1	79.3	80.0	80.8	80.0	80.0	79.4
86.4	87.8	73.3	77.0	69.1	63.3	68.2	79.4	81.6	80.6	79.7	79.8	79.4
89.0	86.8	73.0	80.0	69.8	62.0	68.1	79.3	81.4	80.6	79.7	79.7	79.2
90.0	85.0	73.9	81.0	65.8	63.8	69.1	79.9	80.5	80.2	79.5	79.7	79.2
90.8	83.9	73.8	76.1	64.7	67.6	71.2	78.2	78.8	80.0	79.4	79.7	79.3
91.2	83.8	72.6	72.2	65.4	68.2	72.1	78.9	77.8	79.8	80.0	79.1	79.4
91.0	84.2	72.3	72.0	66.4	69.0	72.9	79.4	77.5	79.4	80.5	78.8	79.4
90.8	83.0	71.9	72.1	65.8	68.9	74.2	79.4	77.5	80.0	80.5	79.0	79.0

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah°. = '000093.

42.6	39.9	41.3	26.9	27.0	34.0	55.0	55.4	48.2	46.2	49.9	52.0	53.2
42.8	39.7	39.3	27.0	25.9	35.8	55.9	54.8	46.0	46.8	49.8	53.8	53.0
42.8	37.8	35.8	24.8	26.8	36.5	54.8	55.3	44.7	47.6	49.8	53.8	53.0
46.0	38.2	35.4	28.3	25.3	38.0	53.2	56.2	44.8	48.5	50.4	53.8	53.1
46.2	37.6	36.4	35.0	30.8	38.0	50.9	56.3	45.8	48.8	50.2	54.5	53.7
46.8	37.8	37.0	36.8	34.7	38.3	49.8	54.4	48.6	49.3	50.7	55.0	53.6
48.0	38.2	38.3	27.1	39.8	43.0	49.3	54.0	48.6	50.0	50.8	54.8	53.3
50.2	38.4	40.2	20.1	40.1	49.5	49.3	48.4	48.2	50.4	50.3	54.2	53.2
47.5	43.5	39.8	19.6	41.3	49.9	47.8	47.2	46.8	50.0	50.8	53.7	53.2
45.0	44.7	36.3	24.0	40.8	51.5	48.3	48.2	46.2	49.4	51.7	54.0	53.3
42.6	42.2	32.5	26.1	40.4	52.9	50.4	49.3	45.8	49.9	51.8	54.0	53.4
40.8	43.6	28.0	27.0	38.2	55.0	53.3	49.6	45.8	50.0	51.3	53.4	53.6
48.8	49.0	49.0	49.0	48.6	48.5	48.3	48.2	48.0	48.0	48.2	48.0	48.1

Induction Inclinometer, one Sc. Div. = 0' 502 ; = p. = 4' 8297 ; u. = 14° 22'.

57.0	58.2	58.4	55.2	55.1	51.8	51.4	51.7	52.0	54.0	54.9	55.7	55.4
57.0	58.2	58.5	55.2	54.0	51.5	51.4	51.7	52.0	54.0	54.9	55.8	55.1
57.0	58.7	55.4	55.1	54.2	51.4	51.4	51.8	52.0	54.6	55.6	55.8	55.0
57.0	58.6	55.5	55.1	54.1	51.4	51.5	51.7	52.0	55.0	55.6	55.8	55.0
57.2	58.6	55.4	55.2	54.2	51.4	51.5	51.8	52.0	55.0	55.6	55.8	55.0
57.4	58.7	55.3	55.3	54.2	51.4	51.5	51.8	52.8	55.0	55.7	55.8	55.0
57.4	58.6	55.3	55.4	54.2	51.4	51.5	51.9	54.2	55.0	55.7	55.8	55.0
57.6	58.5	55.3	55.3	54.2	51.4	51.5	51.9	54.6	55.2	55.7	55.8	55.0
57.8	58.7	55.3	56.6	53.6	51.4	51.5	51.9	54.5	55.2	55.7	55.6	55.0
58.0	58.6	55.3	55.1	53.0	51.4	51.5	51.9	54.0	55.2	55.7	55.4	55.0
58.2	58.8	55.3	55.1	53.0	51.4	51.6	51.8	54.0	55.0	55.7	55.3	55.0
58.2	58.7	55.2	55.1	53.0	51.4	51.6	52.2	54.0	55.0	55.7	55.4	55.0
49.3	49.5	49.4	49.6	48.9	49.2	48.5	49.2	48.5	48.8	48.8	48.7	48.8

increasing Horizontal Force, and decreasing Inclination.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
				Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	°				
30	23	0	29.788	42.8	42.6	S.	Gentle.	1.00	Squally; passing heavy showers.
	22	0	29.812	42.6	42.2	S.	Gentle.	1.00	Squally; passing heavy showers.
31	0	0	29.828	43.0	40.8	S.	Gentle.	1.00	Gloomy; intermitting showers.
	1	0	29.849	42.5	40.8	S.	Light.	1.00	Overcast; misty rain at times.
	2	0	29.863	41.6	40.5	S.	Light.	0.40	Soft clouds, dropping small rain as they pass.
	3	0	29.871	41.7	40.7	S.	Light air.	0.50	Soft clouds, dropping small rain as they pass.
	4	0	29.879	41.6	40.4	S. by E.	Light air.	0.80	Nearly overcast; cum.
	5	0	29.902	41.0	40.0	S.	Light.	0.40	Sky bright and clear in zenith.
	6	0	29.910	41.2	40.0	S.	Light.	0.40	Horizon surrounded by nimbi; zenith clear.
	7	0	29.926	40.0	39.2	S.	Light.	0.40	Sky clear in W., remainder clouded.
	8	0	29.939	39.0	38.5	S.	Light.	0.30	Sky partly clear; cum. and nimbus.
	9	0	29.957	39.0	38.7	S.	Light air.	0.90	Sky mostly covered with rainy cum.

June 18th and 19th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of One Scale Division = 0° 502.					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		80° 4	80° 2	79° 2	78° 4	80° 0	81° 2	84° 0	84° 9	84° 5	83° 2	82° 0
5	0		80° 6	80° 2	79° 2	78° 8	79° 9	81° 5	83° 9	85° 6	84° 3	83° 4	82° 2
10	0		80° 5	80° 2	79° 0	78° 7	80° 8	81° 5	84° 0	85° 0	84° 2	83° 2	82° 8
15	0		80° 4	80° 1	78° 6	78° 4	79° 5	82° 0	84° 1	85° 0	84° 2	83° 2	82° 0
20	0		80° 4	80° 2	78° 8	78° 3	79° 6	82° 2	84° 2	85° 5	84° 0	83° 1	82° 5
25	0		80° 4	80° 0	79° 1	78° 3	79° 6	82° 8	84° 2	85° 3	84° 0	83° 0	82° 1
30	0		80° 4	79° 9	78° 5	78° 3	79° 8	82° 9	84° 3	85° 6	83° 6	83° 2	81° 9
35	0		80° 5	79° 8	78° 4	78° 4	79° 9	83° 2	84° 4	85° 8	83° 8	82° 8	81° 6
40	0		80° 4	79° 8	78° 2	78° 5	80° 4	83° 4	84° 7	86° 0	83° 4	82° 5	81° 1
45	0		80° 5	79° 5	78° 2	78° 5	80° 5	83° 5	84° 7	85° 5	83° 4	82° 4	81° 4
50	0		80° 4	79° 5	78° 2	78° 7	80° 4	83° 6	84° 6	84° 6	83° 2	82° 2	81° 3
55	0		80° 4	79° 3	78° 2	78° 8	80° 6	83° 8	84° 9	84° 7	83° 4	82° 0	81° 3
M. S.			One Scale Division = .000086 parts of the H. F.					HORIZONTAL FORCE.					
			72° 2	76° 4	78° 3	76° 8	73° 9	71° 4	70° 0	71° 2	67° 9	72° 4	71° 5
2	30		73° 0	76° 7	78° 3	76° 2	73° 8	71° 6	69° 9	70° 4	68° 3	72° 2	71° 7
12	30		73° 1	76° 8	78° 4	75° 7	73° 8	71° 6	69° 9	70° 0	68° 7	71° 8	71° 4
17	30		73° 7	77° 0	77° 6	75° 7	73° 4	71° 3	69° 1	69° 9	69° 2	71° 4	71° 2
22	30		74° 0	77° 2	77° 5	75° 4	72° 8	72° 0	69° 7	70° 1	69° 4	71° 9	70° 6
27	30		74° 5	77° 1	77° 3	75° 2	72° 8	72° 0	69° 4	69° 3	69° 0	71° 3	70° 4
32	30		75° 0	77° 3	77° 3	74° 9	72° 2	71° 8	70° 2	70° 0	68° 8	71° 2	69° 5
37	30		75° 2	77° 8	77° 4	74° 7	72° 4	71° 7	70° 8	70° 3	70° 3	71° 3	69° 8
42	30		75° 8	77° 8	77° 4	74° 6	72° 0	71° 4	70° 6	70° 7	71° 0	71° 1	69° 8
47	30		75° 8	78° 1	77° 5	75° 0	70° 9	71° 1	70° 5	67° 0	71° 2	71° 4	70° 0
52	30		75° 8	78° 3	77° 3	74° 8	70° 8	70° 5	71° 1	67° 8	71° 3	71° 3	70° 8
57	30		76° 0	78° 4	77° 0	74° 4	71° 3	70° 5	71° 0	68° 4	71° 6	71° 2	70° 7
Thermometer			43° 0	43° 0	43° 0	43° 0	43° 2	43° 6	44° 1	44° 1	44° 3	44° 2	44° 3
M. S.			Induction Inclinometer, one Sc. Div. = 0° 502 ; p. = 4° 8297 ; u. = 14° 22'.										
			49° 4	49° 8	48° 8	47° 2	47° 4	48° 8	51° 6	53° 0	52° 2	53° 0	51° 0
0	0		49° 5	49° 8	48° 6	47° 2	47° 8	49° 1	51° 6	54° 0	52° 4	53° 0	51° 0
10	0		49° 5	49° 7	48° 4	47° 1	47° 7	49° 2	51° 7	53° 6	52° 8	52° 6	51° 0
15	0		49° 5	49° 6	48° 0	47° 1	47° 9	49° 9	51° 9	53° 0	53° 0	52° 4	51° 0
20	0		49° 6	49° 7	48° 0	47° 1	47° 7	50° 0	51° 8	53° 7	52° 4	52° 1	51° 2
25	0		49° 6	49° 5	48° 0	47° 1	47° 5	50° 7	51° 8	53° 1	52° 0	52° 0	51° 0
30	0		49° 7	49° 2	47° 6	47° 0	47° 8	50° 9	52° 1	53° 6	52° 0	52° 0	50° 6
35	0		50° 0	49° 4	47° 5	47° 0	47° 8	51° 1	52° 3	54° 0	52° 0	51° 8	50° 1
40	0		50° 0	49° 3	47° 0	46° 8	48° 3	51° 3	52° 8	54° 2	52° 2	51° 4	50° 0
45	0		50° 1	49° 0	48° 0	47° 0	48° 3	51° 3	52° 6	53° 1	52° 0	51° 4	50° 0
50	0		49° 8	49° 0	47° 1	47° 0	48° 1	51° 3	52° 3	52° 1	52° 1	51° 1	50° 0
55	0		49° 8	49° 0	47° 1	47° 0	48° 3	51° 8	52° 8	52° 3	52° 0	51° 0	50° 0
Thermometer			43° 0	43° 0	43° 4	43° 8	44° 6	45° 0	46° 0	46° 0	46° 1	45° 3	45° 4
Increasing Numbers denote increasing easterly Declination.													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°								
18	10	0	30° 154	37° 6	36° 6	W. by S.	Moderate.	0° 60	Fine ; clear.				
	11	0	30° 162	38° 0	37° 0	W. by S.	Gentle.	0° 80	Settled.				
	12	0	30° 184	39° 4	38° 6	W.S.W.	Light breeze.	0° 90	Nearly overcast ; a few drops of rain.				
	13	0	30° 199	41° 0	40° 0	S.S.W.	Light breeze.	0° 60	Patches of blue sky visible ; light drizzling rain.				
	14	0	30° 194	42° 5	41° 5	S.W. by W.	Light breeze.	0° 50	Fine cum.				
	15	0	30° 191	45° 0	43° 5	N. by E.	Light air.	0° 60	Gloomy and overcast.				
	16	0	30° 176	46° 0	44° 4	N. by E.	Light breeze.	0° 90	Gloomy and overcast ; sun appearing at times.				
	17	0	30° 181	45° 0	44° 3	E. by S.	Light air.	1° 00	Overcast and gloomy.				
	18	0	30° 187	45° 4	44° 4	E. by S.	Light breeze.	0° 90	Nearly overcast ; cum.				
	19	0	30° 196	45° 2	43° 8	E. by S.	Light breeze.	0° 90	Nearly overcast ; cum.				
	20	0	30° 204	45° 0	42° 8	E.S.E.	Light air.	0° 90	Overcast and gloomy.				
	21	0	30° 218	44° 5	42° 0	E.S.E.	Light air.	0° 90	Overcast and gloomy.				

MAGNETICAL OBSERVATIONS.

June 18th and 19th.

DECLINATION.

Angular Value of one Scale Division = 0' 502.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div. 81'3	Sc. Div. 81'0	Sc. Div. 79'5	Sc. Div. 79'0	Sc. Div. 78'9	Sc. Div. 79'3	Sc. Div. 79'9	Sc. Div. 80'0	Sc. Div. 80'2	Sc. Div. 80'2	Sc. Div. 80'1	Sc. Div. 80'0	Sc. Div. 79'6
80'9	80'6	79'7	79'0	79'0	79'2	79'8	80'1	80'2	80'2	80'0	80'1	79'5
81'0	80'5	79'7	79'1	78'8	79'2	80'0	80'0	80'3	80'2	80'0	80'1	79'6
81'0	80'2	79'7	79'0	78'8	79'3	79'8	80'2	80'2	80'1	80'0	80'0	79'6
80'2	80'0	79'6	79'0	78'9	79'4	79'7	80'1	80'2	80'2	79'9	80'0	79'6
80'7	80'0	79'5	79'1	79'0	79'8	79'9	80'2	80'3	80'1	80'0	80'0	79'6
80'7	80'1	79'6	79'1	79'0	79'5	80'0	80'1	80'3	80'0	80'0	79'8	79'6
80'5	80'1	79'5	78'9	79'0	79'6	79'9	80'2	80'2	80'1	80'2	79'8	79'5
80'8	80'1	79'3	79'0	79'0	79'6	79'8	80'3	80'2	80'1	80'0	79'8	—
81'0	80'0	79'3	78'9	79'1	79'7	79'8	79'7	80'4	80'1	80'0	79'7	79'6
81'0	79'7	79'2	79'0	79'0	79'8	80'0	79'9	80'2	80'0	80'0	79'7	79'3
81'0	79'6	79'1	79'0	79'2	80'0	80'0	80'1	80'2	80'1	80'2	79'7	79'3

HORIZONTAL FORCE.

Change in the Magnetic moment of the Bar for 1° Fah°. = '000093.

70'8	71'2	70'3	69'9	69'7	68'8	68'2	67'6	67'8	67'8	67'3	67'7	68'4
71'2	70'6	70'0	69'3	69'4	68'2	68'1	67'4	67'8	68'2	67'2	68'7	68'1
72'2	70'2	70'1	69'2	68'6	67'6	66'8	67'6	68'0	67'8	67'2	67'7	68'1
72'2	70'0	69'8	69'2	68'0	68'2	66'7	67'4	68'0	67'8	67'2	67'8	—
70'3	70'5	69'6	69'7	68'2	69'6	66'7	67'7	68'0	68'5	67'1	68'3	68'8
70'7	70'6	70'0	70'5	68'5	69'7	67'2	67'7	68'0	68'4	66'9	68'4	69'0
70'9	71'0	70'7	70'6	69'2	69'6	67'7	67'8	68'1	68'0	66'7	68'5	69'0
71'6	70'8	70'5	70'3	69'4	69'4	67'7	67'8	67'9	67'8	66'4	68'4	69'0
71'6	70'5	70'7	69'9	69'0	69'6	67'4	67'4	67'8	67'6	66'5	68'6	69'0
71'7	70'2	70'6	69'7	68'9	69'6	67'4	67'5	67'8	67'5	66'8	68'5	69'0
71'4	70'8	70'2	70'0	68'9	69'3	67'5	67'5	68'0	67'6	67'6	68'7	68'9
71'2	70'7	69'8	69'3	69'0	68'8	67'8	67'8	68'0	67'8	67'4	68'5	68'5
44'6	44'8	45'0	45'3	45'3	45'4	45'4	45'4	45'5	45'7	45'9	46'0	45'8

Induction Inclinometer, one Sc. Div. = 0' 502; = p. 4'8297; u. = 14° '22'.

50'1	49'8	48'1	47'6	47'4	47'5	48'0	48'0	48'8	49'0	48'8	48'5	48'2
50'0	49'4	48'1	47'4	47'6	47'6	48'0	48'2	48'8	48'8	48'5	48'8	48'2
50'0	49'0	48'2	47'5	47'2	47'2	48'0	48'1	48'7	48'8	48'6	48'8	48'2
50'0	48'9	48'2	47'3	47'1	47'3	47'8	48'3	48'8	48'8	48'6	48'7	48'3
49'0	48'7	48'0	47'3	47'1	47'6	47'5	48'3	48'8	48'8	48'5	48'6	48'3
49'4	48'5	48'0	47'7	47'1	48'2	47'7	48'4	48'8	48'8	48'5	48'6	48'2
49'3	48'8	48'2	47'8	47'2	48'0	48'0	48'6	48'9	48'8	48'5	48'5	48'2
49'5	49'0	48'1	47'6	47'3	48'0	48'0	48'4	48'9	48'8	48'6	48'5	48'2
49'8	48'8	48'0	47'5	47'1	48'0	47'9	48'4	48'8	48'7	48'5	48'4	—
50'0	48'5	48'1	47'3	47'3	48'0	47'7	48'5	49'0	48'7	48'3	48'3	48'1
50'0	48'1	47'8	47'5	47'1	48'2	48'0	48'5	48'9	48'7	48'5	48'3	48'1
50'0	48'1	47'7	47'4	47'3	48'2	48'0	48'6	49'0	48'7	48'8	48'3	48'1
45'5	45'8	46'0	46'9	46'9	46'8	46'0	46'2	46'3	46'5	46'6	47'2	47'0

increasing Horizontal Force, and decreasing Inclination.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
				Dry.	Wet.	Direction.	Force.		
D.	H.	M.	In.	°	°				
18	22	0	18'238	45'0	41'5	E.S.E.	Light air.	0'80	Overcast and gloomy.
	23	0	18'244	44'8	41'6	—	Calm.	0'80	Overcast.
19	0	0	18'264	44'4	42'4	E.S.E.	Light air.	1'00	Cum. and cum.-strat.; moderately fine.
	1	0	18'268	43'3	42'0	S. by W.	Light air.	1'00	Cum., broken in some places and blue sky appearing.
	2	0	18'270	42'5	41'7	S. by W.	Light air.	0'90	Cum., patches of blue sky intervening.
	3	0	18'279	42'2	41'4	W.S.W.	Light air.	1'00	Overcast; cum. and cum.-strat.
	4	0	18'279	42'0	41'4	W. by S.	Light air.	1'00	Overcast; cum. and cum.-strat.
	5	0	18'283	41'3	41'0	W. by S.	Light air.	1'00	Overcast; cum.
	6	0	18'283	41'2	41'0	W. by S.	Light air.	1'00	Sky entirely overcast; cum.
	7	0	18'283	41'6	41'0	W.	Light air.	1'00	Sky entirely overcast; cum.
	8	0	18'289	41'7	41'0	—	Calm.	1'00	Gloomy and overcast.
	9	0	18'297	41'3	40'6	W.	Light air.	0'70	Clouds breaking and becoming fine.

July 23d and 24th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0' 502.					DECLINATION.					
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
M.	S.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0		79°8	80°3	78°2	76°0	76°6	81°8	83°4	89°2	86°8	86°1	
5	0		80°0	80°0	78°0	75°9	76°2	82°2	83°8	89°7	86°4	84°8	
10	0		80°0	80°0	77°6	76°4	76°5	82°2	83°8	89°8	86°8	84°2	
15	0		80°2	80°0	77°6	77°2	78°5	82°8	84°0	89°8	87°5	83°8	
20	0		80°0	80°0	77°3	76°9	78°4	83°2	84°6	88°6	87°6	83°3	
25	0		79°8	79°8	77°2	75°6	78°2	83°3	84°8	88°8	87°8	83°5	
30	0		79°8	79°2	76°4	75°6	78°7	83°3	85°4	90°4	87°5	83°5	
35	0		80°2	79°2	76°5	75°6	79°5	83°0	86°1	90°8	87°0	83°5	
40	0		80°5	79°2	76°4	76°1	79°7	83°8	86°2	89°6	87°0	83°5	
45	0		80°3	88°8	76°3	75°9	79°9	83°6	86°8	89°2	87°2	83°6	
50	0		80°2	79°0	76°3	76°0	81°0	84°3	86°8	88°6	87°2	83°3	
55	0		80°2	78°2	76°0	76°4	81°3	83°6	87°8	87°4	86°7	83°2	
			One Scale Division = '000086 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	30		104°2	108°8	109°7	103°0	94°7	87°8	81°0	89°2	81°4	88°3	
7	30		104°3	109°3	109°0	102°3	92°5	87°0	80°0	88°8	83°2	91°0	
12	30		104°8	109°5	108°7	101°7	93°4	87°3	78°8	87°4	84°2	92°8	
17	30		104°9	109°5	108°1	101°3	92°0	85°4	79°7	85°4	83°8	94°7	
22	30		105°3	109°5	107°4	100°4	91°0	86°8	80°6	84°2	81°8	94°8	
27	30		105°7	109°2	107°4	100°5	90°3	86°6	81°4	84°6	81°2	94°8	
32	30		106°3	108°8	106°0	99°8	89°5	86°2	85°2	84°8	82°0	95°0	
37	30		106°8	109°0	105°2	99°6	89°2	86°5	85°2	83°8	82°5	95°0	
42	30		107°0	109°2	104°5	98°2	88°7	85°8	86°8	83°0	83°8	94°9	
47	30		107°2	109°8	104°3	97°1	89°3	86°0	86°6	82°7	85°5	94°9	
52	30		107°2	109°5	103°8	96°3	89°2	84°2	87°4	80°8	86°8	94°8	
57	30		108°5	109°8	103°0	95°9	88°8	81°8	88°2	80°6	87°2	95°8	
Thermometer			44°0	43°8	43°8	44°4	45°1	45°8	46°4	46°5	46°8	47°0	47°3
			Induction Inclinometer, one Sc. Div. = 0' 502; p. = 4° 8297; u. = 14° 22'.										
M.	S.												
0	0		43°0	44°0	42°2	39°0	38°8	41°8	43°7	50°0	45°8	46°8	
5	0		43°0	43°8	42°0	38°8	38°1	42°2	43°2	50°8	45°5	46°0	
10	0		43°0	43°8	41°4	38°3	37°8	42°2	43°4	51°4	46°2	45°8	
15	0		43°2	43°8	41°3	38°4	39°0	42°5	43°4	51°0	47°2	46°0	
20	0		43°0	43°7	40°9	39°0	38°8	43°0	44°0	48°8	47°7	45°8	
25	0		42°8	43°7	40°4	38°5	38°9	43°4	44°2	49°2	47°1	46°0	
30	0		42°8	43°0	39°9	38°5	39°8	44°4	45°4	50°8	46°6	45°8	
35	0		43°3	42°8	39°8	38°3	39°2	44°4	46°0	51°2	46°6	45°8	
40	0		43°8	43°0	39°8	38°8	39°3	45°0	46°0	49°4	46°8	45°8	
45	0		43°7	42°2	39°4	38°2	39°7	44°8	46°8	48°6	47°2	46°0	
50	0		43°8	42°6	39°5	38°2	40°8	45°2	47°0	47°8	47°0	45°8	
55	0		44°0	42°0	39°0	38°9	41°4	44°2	48°0	46°2	47°2	45°5	
Thermometer			45°0	44°8	45°0	46°4	47°4	48°2	48°8	48°8	49°0	49°0	49°0
Increasing Numbers denote increasing easterly Declination.													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°								
23	10	0	30°100	38°7	37°5	N.W.	Fresh.	0°00	Clear; fine; sharp bracing atmosphere.				
	11	0	30°094	39°2	37°9	W.N.W.	Strong.	0°10	Clear; fine; sharp bracing atmosphere.				
	12	0	30°101	42°0	39°9	N.W. by N.	Moderate.	0°20	Clear; fine; bracing atmosphere.				
	13	0	30°102	44°4	42°3	N.N.W.	Moderate.	0°20	Clear; fine; bracing atmosphere.				
	14	0	30°082	47°0	43°4	N.N.W.	Light.	0°20	Clear; settled.				
	15	0	30°058	49°6	45°2	N. by W.	Gentle.	0°20	Clear; settled.				
	16	0	30°032	51°0	46°2	N. by W.	Gentle.	0°30	Fine; settled; a few small cum.				
	17	0	30°012	51°0	46°8	N. by W.	Light.	0°30	Fine; settled; a few small cum.				
	18	0	20°997	51°6	46°8	N. by W.	Light air.	0°60	Gloomy appearance.				
	19	0	20°978	50°3	46°7	—	Calm.	0°80	Gloomy appearance.				
	20	0	20°970	49°3	46°3	—	Calm.	0°80	Overcast; gloomy; a bright gleam to northward.				
	21	0	20°967	48°3	45°0	N. by W.	Gentle.	0°50	Sky clearing; looking fine.				

MAGNETICAL OBSERVATIONS.

July 23d and 24th.

DECLINATION.

Angular Value of one Scale Division = 0' 502.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div. 81'6	Sc. Div. 80'6	Sc. Div. 80'0	Sc. Div. 79'0	Sc. Div. 77'8	Sc. Div. 76'2	Sc. Div. 79'5	Sc. Div. 72'2	Sc. Div. 72'3	Sc. Div. 74'2	Sc. Div. 74'9	Sc. Div. 76'0	Sc. Div. 78'9
81'5	80'8	80'2	78'8	77'4	76'4	80'6	72'0	71'8	74'2	75'9	76'1	79'3
81'5	80'8	80'2	79'0	77'6	76'8	80'8	71'8	71'2	75'0	76'0	76'3	80'5
81'2	80'5	80'4	78'4	77'6	76'8	80'8	70'8	72'0	74'8	76'2	76'4	82'8
81'1	80'6	79'9	78'0	77'4	77'2	79'5	70'0	72'4	75'0	75'9	76'6	83'0
81'0	80'2	80'4	78'0	77'4	77'2	78'1	69'8	72'4	75'2	76'2	76'5	84'0
81'0	80'0	80'0	78'0	77'0	78'3	76'0	70'0	72'2	75'3	76'5	76'3	83'7
81'0	80'3	80'0	77'9	76'7	78'2	74'2	70'6	72'5	75'1	76'0	78'0	82'8
80'9	80'2	79'9	77'8	76'8	78'1	72'2	71'2	73'2	75'3	75'7	79'2	82'6
80'8	80'2	80'1	78'4	77'0	77'8	71'8	72'8	73'6	75'6	76'0	79'1	82'7
80'8	80'0	80'0	78'9	77'1	77'8	72'2	72'7	73'6	75'0	75'8	78'9	83'6
80'8	80'0	80'0	78'9	77'0	78'8	72'3	72'6	74'0	74'9	75'8	78'7	84'3

HORIZONTAL FORCE.

Change in the Magnetic moment of the Bar for 1° Fah. = '000093.

99'4	101'0	99'7	96'4	93'9	91'7	94'4	95'2	90'7	90'4	89'7	89'4	89'9
99'4	101'0	98'3	97'2	94'6	91'3	95'0	93'8	90'8	90'1	89'7	89'7	90'8
99'4	100'8	97'9	96'4	94'5	91'0	94'2	92'3	90'8	90'0	89'7	89'1	91'0
100'2	100'4	96'8	95'8	94'6	91'8	93'9	91'4	90'2	88'8	89'3	89'1	90'0
100'3	100'0	96'9	95'9	93'7	92'2	95'8	91'4	90'0	89'6	88'1	89'0	91'3
100'3	99'8	96'5	96'2	93'0	92'3	99'3	91'3	89'8	89'2	87'8	89'0	92'3
100'1	99'8	96'7	96'0	92'5	92'2	100'7	91'3	89'8	89'7	87'0	89'7	94'1
100'4	99'9	96'6	95'7	93'2	92'2	101'2	90'8	89'4	90'2	87'3	90'6	95'7
100'4	99'3	97'0	95'4	93'6	92'0	100'8	90'3	89'0	90'2	88'1	90'3	96'2
100'5	99'0	96'8	94'9	93'2	91'9	100'0	90'4	89'0	89'9	88'8	90'3	96'7
100'6	99'0	96'6	94'5	92'2	92'2	98'3	90'6	89'5	89'4	88'8	89'7	96'6
101'0	99'3	96'4	94'4	91'9	93'5	96'6	90'8	90'0	89'5	88'8	89'1	96'0

47'7	47'7	47'9	48'0	48'4	48'4	48'6	48'8	49'0	49'0	49'0	49'1	49'2
------	------	------	------	------	------	------	------	------	------	------	------	------

Induction Inclinometer, one Sc. Div. = 0' 502; p. = 4' 8297; u. = 14° 22'.

44'3	43'5	43'0	41'2	39'3	37'0	41'2	34'2	32'4	34'4	35'5	36'5	39'2
44'2	43'7	43'1	41'0	38'9	37'0	42'0	33'2	32'0	34'2	36'5	36'9	39'8
44'1	43'8	43'1	41'2	39'0	37'2	42'2	32'6	31'6	35'0	36'5	36'9	41'2
44'0	43'5	42'8	40'4	39'2	37'2	42'2	31'2	32'0	34'8	36'6	36'9	43'4
44'0	43'5	42'0	40'0	39'0	38'2	40'8	30'4	32'2	35'0	36'3	37'0	43'6
43'9	43'1	42'6	40'0	38'8	38'8	40'1	30'0	32'3	35'1	36'5	36'9	45'1
43'8	43'2	42'1	40'0	38'4	39'3	39'0	30'6	32'0	35'0	36'6	36'9	45'0
43'8	43'4	42'1	39'9	38'0	39'1	37'8	30'8	32'4	35'1	36'0	38'9	44'9
43'7	43'2	42'0	39'8	38'2	39'0	36'0	31'2	33'2	35'6	35'7	40'0	44'8
43'6	43'2	42'3	40'3	38'6	38'7	35'2	32'9	33'4	35'8	36'1	39'9	45'3
43'6	43'0	42'3	40'6	38'4	38'8	35'3	32'8	33'4	35'1	36'1	39'4	46'3
43'6	43'0	42'3	40'6	38'0	39'8	34'9	32'8	34'2	35'2	36'2	39'0	46'9

increasing Horizontal Force, and decreasing Inclination.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
D.	H.	M.		Dry.	Wet.	Direction.	Force.		
23	22	0	29'961	47'6	44'2	N. by W.	Moderate.	0'60	Gloomy; soft cum.-strat. covering part of the sky.
	23	0	29'964	48'0	44'0	N. by W.	Strong.	0'80	Cloudy.
24	0	0	29'968	48'4	44'5	N. by W.	Fresh.	1'00	Dark; overcast.
	1	0	29'958	48'4	44'6	N. by W.	Fresh.	1'00	Dark; overcast.
	2	0	29'936	48'4	44'8	N. N. W.	Strong.	1'00	Dark; overcast.
	3	0	29'934	48'0	45'0	N. N. W.	Moderate.	1'00	Gloomy; overcast.
	4	0	29'922	47'2	45'2	N. N. W.	Gentle.	1'00	Gloomy; overcast; light drizzling rain.
	5	0	29'910	46'6	45'0	N. by W.	Gentle.	1'00	Continued light rain.
	6	0	29'878	46'6	45'4	N. by W.	Moderate.	0'40	Sky cleared; a few cum. passing rapidly.
	7	0	29'869	46'0	45'0	N. by W.	Gentle.	0'40	Fine.
	8	0	29'873	46'0	45'0	—	Calm.	0'70	Sky generally covered with soft cum.-strat.
	9	0	29'858	46'7	45'0	N. N. W.	Gentle.	0'40	Cum. scattered; moon shining brightly.

August 29th and 30th.		MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.		Angular Value of One Scale Division = 0' 502.					DECLINATION.					
		10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
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' 2	85' 1	81' 2	83' 2	82' 8	87' 6	89' 0	90' 2	96' 7	93' 5	89' 0
5	0	112' 5	83' 6	81' 0	83' 7	83' 8	88' 0	89' 0	89' 8	96' 8	94' 3	90' 3
10	0	113' 8	86' 4	80' 5	84' 8	84' 3	88' 8	88' 8	89' 2	96' 0	94' 3	91' 8
15	0	112' 4	87' 8	80' 8	84' 2	83' 4	86' 3	89' 7	88' 8	93' 5	94' 8	93' 2
20	0	109' 6	85' 8	81' 6	86' 0	82' 4	85' 4	89' 8	88' 8	92' 8	94' 0	93' 4
25	0	101' 2	84' 4	83' 7	85' 8	83' 1	84' 7	89' 9	89' 2	93' 2	87' 7	90' 2
30	0	95' 2	86' 6	84' 8	86' 8	81' 9	84' 8	89' 4	91' 1	94' 0	82' 0	88' 2
35	0	90' 8	82' 6	82' 8	87' 1	81' 2	83' 1	90' 2	92' 2	92' 8	81' 0	88' 6
40	0	88' 0	84' 2	84' 2	86' 8	82' 8	85' 9	91' 7	92' 1	91' 0	82' 1	90' 4
45	0	87' 4	83' 2	84' 8	86' 5	84' 0	86' 5	91' 2	92' 3	92' 2	83' 8	92' 4
50	0	84' 0	84' 2	85' 1	85' 8	86' 0	87' 1	89' 9	94' 5	92' 0	85' 8	92' 4
55	0	85' 6	85' 0	82' 3	83' 3	87' 7	87' 5	90' 3	95' 1	93' 2	88' 0	88' 4
		One Scale Division = '000176 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.											
2	30	106' 6	106' 3	101' 6	94' 8	99' 0	98' 2	99' 6	99' 2	104' 4	104' 8	101' 0
7	30	109' 0	106' 8	99' 4	93' 3	98' 3	98' 7	98' 5	97' 5	103' 0	104' 2	100' 0
12	30	110' 4	106' 6	98' 3	93' 0	99' 2	98' 0	97' 8	99' 0	100' 2	101' 3	100' 7
17	30	113' 2	105' 4	97' 0	92' 5	99' 5	97' 6	98' 1	99' 2	100' 2	100' 8	101' 0
22	30	111' 4	105' 0	96' 7	93' 8	99' 6	96' 7	97' 8	100' 4	100' 5	97' 0	100' 8
27	30	109' 6	106' 6	96' 8	93' 8	99' 0	97' 0	97' 2	101' 5	101' 7	95' 9	100' 9
32	30	108' 1	104' 8	96' 1	94' 2	96' 0	97' 5	96' 2	103' 2	102' 0	99' 8	102' 4
37	30	108' 0	104' 6	96' 5	95' 7	99' 2	98' 2	97' 2	104' 1	101' 7	101' 9	102' 2
42	30	107' 6	103' 2	96' 0	96' 5	99' 2	98' 6	98' 0	104' 2	102' 7	103' 0	103' 4
47	30	106' 8	103' 6	95' 8	97' 2	100' 0	99' 5	97' 0	105' 1	104' 2	103' 8	101' 2
52	30	106' 8	103' 0	95' 0	98' 0	99' 2	99' 4	97' 6	105' 2	104' 8	103' 9	96' 6
57	30	107' 2	101' 2	94' 8	99' 0	98' 2	100' 1	99' 0	104' 0	104' 3	102' 0	97' 8
Thermometer		51' 6	51' 6	51' 8	52' 0	52' 5	53' 2	53' 9	54' 3	54' 6	54' 6	54' 7
		Induction Inclinometer, one Sc. Div. = 0' 502; p. = 4' 8297; u. = 14' 22'.										
M.	S.											
0	0	70' 2	46' 0	39' 0	38' 0	40' 7	43' 0	48' 3	49' 0	58' 2	55' 1	48' 2
5	0	73' 0	44' 2	38' 7	38' 2	41' 3	43' 4	47' 8	48' 5	57' 8	56' 0	50' 6
10	0	75' 8	47' 6	37' 1	38' 8	42' 2	44' 0	46' 8	48' 8	55' 9	55' 0	50' 2
15	0	76' 4	48' 2	36' 9	38' 2	41' 3	43' 4	48' 2	48' 0	53' 1	54' 8	52' 4
20	0	74' 2	46' 2	37' 3	39' 8	41' 0	42' 7	48' 0	48' 1	52' 1	52' 5	52' 6
25	0	64' 4	45' 2	39' 0	40' 3	41' 3	42' 1	48' 1	49' 2	53' 0	45' 0	49' 0
30	0	58' 0	47' 0	40' 1	41' 8	39' 0	42' 1	46' 5	52' 0	54' 2	39' 5	49' 8
35	0	51' 8	43' 0	38' 3	42' 3	38' 8	45' 4	47' 4	53' 8	52' 8	40' 0	49' 2
40	0	49' 5	44' 6	40' 0	42' 8	40' 9	44' 0	50' 0	53' 5	50' 8	41' 9	50' 0
45	0	48' 3	42' 8	40' 1	42' 8	41' 9	45' 0	48' 9	53' 8	53' 4	44' 0	52' 6
50	0	45' 0	44' 0	40' 0	42' 8	43' 4	46' 2	47' 7	56' 5	53' 7	46' 2	51' 8
55	0	47' 0	44' 0	37' 3	40' 8	43' 2	46' 5	48' 8	56' 8	55' 0	48' 2	45' 4
Thermometer		52' 2	52' 8	53' 0	53' 7	54' 2	55' 0	56' 0	56' 3	56' 0	55' 8	55' 5
Increasing Numbers denote increasing easterly Declination.												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.		Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
			Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°							
29	10	0	29' 632	47' 0	44' 2	N.	Gentle.	0' 50	Patches of cum. and cum.-strat. dispersed over the sky.			
	11	0	29' 645	49' 4	45' 6	N.	Light.	0' 60	Patches of cum. and cum.-strat. dispersed over the sky.			
	12	0	29' 642	50' 6	47' 4	N.W.	Light air.	0' 60	Cum. and cum.-strat.			
	13	0	29' 634	52' 8	47' 9	N.W. by N.	Light.	0' 80	Cum.-strat. and nimbus.			
	14	0	29' 621	56' 0	50' 0	N. by W.	Gentle.	0' 80	Cum. very much dispersed over the sky.			
	15	0	29' 607	57' 2	50' 4	N.N.W.	Moderate.	0' 00	Very fine; cum. and cir.-cum.			
	16	0	29' 602	59' 2	50' 7	W.N.W.	Moderate.	0' 30	Fine; warm; patches of cum.			
	17	0	29' 604	59' 2	51' 2	N. by W.	Moderate.	0' 30	Fine; warm; patches of cum.			
	18	0	29' 616	58' 2	51' 3	N. by W.	Gentle.	0' 60	Overcast and gloomy; warm sultry atmosphere.			
	19	0	29' 622	56' 8	49' 6	N.W.	Gentle.	0' 60	Cum. covering the sky.			
	20	0	29' 651	53' 8	46' 4	N.W. by W.	Gentle.	0' 50	Watery clouds much dispersed; a few cum.			
	21	0	29' 683	50' 2	44' 4	N.N.W.	Gentle.	0' 10	Fine; clear; a small bank of cum. to northward.			

MAGNETICAL OBSERVATIONS.

August 29th and 30th.

DECLINATION.

Angular Value of one Scale Division = 0' 502.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7.	8h.	9h.
Sc. Div. 89°8	Sc. Div. 82°0	Sc. Div. 81°4	Sc. Div. 78°9	Sc. Div. 72°0	Sc. Div. 73°2	Sc. Div. 75°5	Sc. Div. 78°1	Sc. Div. 81°0	Sc. Div. 80°6	Sc. Div. 89°5	Sc. Div. 86°7	Sc. Div. 83°1
86°8	78°8	81°0	78°5	76°5	71°8	73°8	78°0	79°6	80°2	89°3	86°2	83°2
81°8	76°9	81°1	78°8	78°1	71°8	72°7	78°2	80°0	80°0	88°8	85°7	83°3
74°2	78°1	80°6	78°1	78°3	72°1	73°5	79°2	78°8	79°7	88°6	85°0	83°2
61°8	81°3	80°0	77°5	78°4	72°2	74°8	79°2	78°0	80°2	88°0	83°8	83°2
48°0	82°6	79°1	76°0	77°9	71°2	74°1	79°3	78°6	81°8	87°2	83°8	86°1
49°0	83°4	78°4	76°0	77°8	70°5	74°8	78°8	79°4	82°8	87°9	84°1	83°7
60°0	81°4	78°2	74°4	77°0	71°2	76°2	79°2	80°4	85°0	89°6	84°1	82°3
69°4	80°5	78°2	77°6	77°1	71°8	76°8	79°2	81°0	86°5	89°2	83°9	81°8
76°8	80°5	78°2	77°7	76°5	73°8	77°0	79°2	81°0	88°1	88°2	83°9	82°0
79°4	80°4	78°3	75°7	75°9	75°2	76°8	79°2	80°4	89°3	87°6	83°7	82°0
85°0	81°0	78°3	74°0	74°8	75°8	77°2	79°2	80°9	90°0	86°9	83°8	82°1

HORIZONTAL FORCE.

Change in the Magnetic moment of the Bar for 1° Fahr. = '000093.

95°8	101°2	101°4	100°6	112°1	103°7	102°7	103°9	104°6	105°3	108°8	108°7	109°1
92°0	100°8	101°2	102°3	111°4	104°8	104°3	105°0	105°0	105°7	108°6	108°7	108°4
90°0	100°8	100°7	102°0	109°2	105°7	106°0	105°8	105°1	105°9	108°2	108°9	108°3
87°8	101°3	99°8	103°2	107°7	105°2	104°5	105°8	104°6	106°0	108°0	109°2	108°3
89°8	100°0	100°6	103°3	106°9	104°0	103°3	105°9	104°6	106°1	107°8	109°6	109°0
98°6	99°5	100°9	103°6	106°1	103°3	103°0	105°8	104°3	106°2	108°5	109°4	106°9
109°4	97°9	101°1	105°2	106°3	103°0	103°3	106°0	104°0	107°0	109°4	109°0	106°3
113°8	98°2	101°0	113°0	106°4	102°8	102°8	106°0	104°6	106°6	108°5	108°8	106°3
112°9	99°4	100°9	112°5	106°6	102°3	102°7	105°2	104°4	107°3	108°1	108°8	106°6
110°0	99°8	100°3	110°5	105°9	101°8	102°3	104°8	104°0	107°7	108°2	108°8	107°0
108°8	100°4	100°2	109°3	105°1	101°8	102°7	104°9	104°9	108°2	108°3	109°2	107°0
102°6	101°0	—	109°0	104°2	101°3	103°0	104°8	104°8	108°6	108°5	109°1	107°3
54°4	54°2	54°0	53°8	53°4	53°1	52°7	52°3	52°2	52°3	52°0	51°7	51°3

Induction Inclinator, one Sc. Div. = 0' 502; p. = 4'8297; u. = 14° 22'.

47°6	41°4	40°0	37°0	35°8	33°2	33°8	37°2	41°8	41°0	51°9	48°9	45°5
42°4	38°0	39°8	37°0	40°6	31°8	32°8	37°6	40°0	40°8	51°6	48°5	45°5
35°4	35°3	39°9	37°5	41°3	32°2	32°8	38°6	40°4	40°6	50°8	47°7	45°2
27°0	36°6	38°7	37°2	40°9	32°7	33°8	39°8	39°2	40°2	50°4	47°2	45°0
14°8	39°7	38°1	36°5	40°3	32°2	34°8	39°8	38°2	40°9	49°8	46°3	45°0
2°6	40°6	37°4	35°9	39°2	30°8	33°2	40°0	38°8	41°8	49°2	46°3	47°8
7°8	41°0	37°0	35°9	38°8	29°8	33°8	39°6	39°6	43°9	50°2	46°6	44°5
23°2	38°3	36°9	38°2	38°3	30°0	35°0	40°2	40°4	46°0	52°1	46°3	43°1
34°0	38°0	36°8	41°5	38°4	30°2	35°8	40°1	41°2	47°6	51°3	46°0	42°5
40°6	38°3	36°5	41°2	37°9	32°2	35°5	39°8	41°2	49°6	50°2	46°0	42°7
43°0	38°4	36°5	38°9	37°0	33°3	35°1	39°4	40°6	51°0	49°7	46°0	42°9
47°6	39°5	36°4	36°8	34°9	33°8	36°2	39°7	41°2	52°0	49°0	46°1	43°1
55°0	54°8	54°5	54°0	53°8	53°7	53°1	52°8	52°8	53°0	52°5	52°2	52°0

increasing Horizontal Force, and decreasing Inclination.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometer ^s .		Wind.		Extent of Cloudy Sky.	Weather.
		Dry.	Wet.	Direction.	Force.		
D. H. M.	In.	°	°				
29 22 0	29°694	48°8	43°0	N.N.W.	Moderate.	0°00	Clear; no aurora perceptible.
23 0	29°711	47°4	42°7	N. by W.	Moderate.	0°00	Clear; no aurora perceptible.
30 0 0	29°718	46°8	41°8	N. by W.	Strong.	0°00	Clear.
1 0	29°735	46°0	41°4	N. by W.	Moderate.	0°00	Clear; fine.
2 0	29°734	44°5	41°2	N.	Light.	0°00	Clear; fine.
3 0	29°730	43°5	40°3	N.	Gentle.	0°10	Clear; except a small bank of strat. in N.W.; stars brilliant.
4 0	29°726	43°5	40°0	N.N.W.	Moderate.	0°00	Clear; fine.
5 0	29°712	43°2	39°8	N.W. by N.	Moderate.	0°00	Clear; fine.
6 0	29°706	41°4	38°4	N.N.W.	Light air.	0°00	Clear.
7 0	29°700	40°8	38°2	N.N.W.	Gentle.	0°00	Clear.
8 0	29°699	40°2	37°6	N.N.W.	Fresh.	0°00	Clear; fine.
9 0	29°699	39°0	37°1	N.N.W.	Moderate.	0°00	Clear; fine.

September 24th and 25th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of one Scale Division = 0' 502.					DECLINATION.					
			10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
M.	S.		Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	Sc. Div.	
0	0		74°6	73°9	72°6	75°0	78°0	83°0	87°5	95°7	99°9	100°6	62°3
5	0		75°3	72°1	70°2	75°2	78°4	83°0	87°9	95°7	99°5	101°2	69°5
10	0		74°8	73°0	71°0	76°0	79°0	82°6	88°8	96°1	98°5	100°0	73°0
15	0		74°1	73°0	71°9	75°2	79°0	83°2	90°0	97°1	96°8	99°6	73°3
20	0		73°5	74°0	72°0	76°6	79°6	84°4	90°8	98°0	97°8	99°7	77°3
25	0		73°3	73°3	71°9	76°2	80°0	85°0	91°5	98°3	99°3	100°0	81°6
30	0		73°2	72°0	71°4	77°0	80°0	85°5	92°7	97°8	100°9	99°3	83°2
35	0		72°0	71°8	73°2	77°2	81°2	85°8	92°7	97°3	100°4	98°8	83°5
40	0		76°9	74°1	73°6	78°1	81°8	86°2	93°1	97°7	100°4	96°6	85°3
45	0		76°4	74°0	74°0	78°0	83°0	86°4	94°0	97°9	100°7	83°8	83°5
50	0		76°0	75°0	74°6	77°8	83°4	87°0	94°3	99°7	98°6	82°1	83°0
55	0		74°3	74°3	74°2	77°6	83°0	87°4	94°5	99°7	99°2	72°5	82°8
			One Scale Division = .000176 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	30		106°5	94°3	88°1	82°4	79°4	80°0	82°0	83°0	79°8	83°1	93°3
7	30		105°9	94°1	87°0	83°4	78°2	80°6	81°8	83°8	79°0	82°8	95°0
12	30		105°5	94°0	87°3	83°0	76°8	79°6	83°0	82°3	78°3	82°9	93°0
17	30		105°0	93°5	86°0	81°8	74°8	79°0	82°7	83°0	78°7	83°1	91°7
22	30		104°0	93°2	85°7	80°8	74°0	79°4	81°4	83°0	78°4	83°3	89°7
27	30		103°6	92°8	84°8	79°8	74°0	79°0	81°2	82°1	79°3	—	85°5
32	30		101°8	92°0	83°8	80°0	75°0	80°3	80°8	81°1	79°4	83°8	82°0
37	30		99°0	91°8	83°6	80°2	76°8	81°2	80°4	81°8	80°3	84°0	79°6
42	30		98°4	91°0	83°0	80°6	77°9	81°1	81°3	82°8	80°0	81°6	76°6
47	30		97°0	89°7	81°8	80°8	79°6	81°3	81°2	81°9	79°8	88°8	76°8
52	30		95°9	—	81°4	80°8	80°8	82°0	81°3	81°2	81°5	91°8	75°2
57	30		95°0	89°3	81°8	80°0	81°2	81°3	81°7	80°2	83°3	90°1	74°2
Thermometer			50°7	51°0	51°8	52°5	53°2	54°0	54°0	54°5	54°9	55°6	55°7
			Induction Inclinometer, one Sc. Div. = 0' 502; p. = 4° 8297; u. = 14° 22'.										
M.	S.												
0	0		40°0	36°3	33°2	33°2	35°4	39°0	44°7	53°7	57°6	58°8	27°7
5	0		40°8	34°3	30°2	33°6	35°8	39°5	45°0	55°0	57°1	59°0	31°2
10	0		40°0	35°2	30°7	34°0	36°4	39°0	45°9	54°0	55°9	56°8	34°3
15	0		39°1	35°0	31°5	33°2	35°6	39°2	47°8	54°8	53°6	56°4	33°3
20	0		38°6	36°0	31°3	34°8	36°0	40°0	48°1	55°4	54°2	56°6	37°1
25	0		38°1	35°1	30°0	34°0	36°8	40°6	48°7	55°4	56°1	57°1	39°9
30	0		38°0	33°6	30°0	34°8	36°0	41°3	49°3	54°4	58°0	56°0	39°0
35	0		36°7	33°1	32°0	35°2	37°4	42°2	49°2	54°0	57°5	55°1	37°8
40	0		41°2	34°9	32°4	36°3	38°0	42°9	49°9	55°1	57°3	53°0	38°1
45	0		40°2	35°1	32°2	36°2	39°0	43°2	51°2	55°2	57°6	39°5	35°1
50	0		39°1	35°9	33°0	36°0	40°0	43°8	51°3	57°8	55°0	42°2	34°0
55	0		37°0	35°1	33°0	35°6	40°0	44°1	51°7	57°4	56°9	32°0	33°6
Thermometer			51°6	52°7	53°9	54°8	55°5	56°0	56°2	56°5	56°9	57°6	57°0
Increasing Numbers denote increasing easterly Declination,													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°								
24	10	0	29°986	48°6	44°8	N. by W.	Light air.	0°70	Soft cum.; mild settled weather.				
	11	0	30°000	52°2	47°7	N. by W.	Gentle.	0°60	Soft cum., with mist.				
	12	0	30°001	55°4	49°3	N. by W.	Moderate.	0°30	Cum. and cir. and haze.				
	13	0	30°004	57°4	50°0	N.	Moderate.	0°40	Soft cum. and haze.				
	14	0	29°996	59°4	51°8	N.	Gentle.	0°60	Fine; cum. and cum.-strat.				
	15	0	29°987	59°6	52°2	N.N.W.	Gentle.	0°60	Fine; cum. and cum.-strat.				
	16	0	29°983	60°0	52°5	N.	Moderate.	0°70	Nearly overcast; soft cum.				
	17	0	29°977	61°0	54°4	N.N.W.	Gentle.	0°60	Nearly overcast; soft cum.				
	18	0	29°977	62°6	55°5	N.	Strong.	0°60	Large masses of cum., with blue sky intervening.				
	19	0	29°983	62°0	54°8	N. by W.	Moderate.	0°70	Cum.; occasionally dark and squally; generally fine.				
	20	0	29°995	58°0	53°0	N.W. by N.	Moderate.	0°80	Cum.; squally, with light rain.				
	21	0	30°006	56°2	52°0	N. by W.	Gentle.	1°00	Overcast.				
	22	0	30°024	54°8	51°2	N.W. by N.	Gentle.	0°50	Cum.; occasional squalls and light showers.				
	23	0	30°036	54°0	51°0	N.N.W.	Light.	0°80	Cum.; hazy.				
	25	0	30°042	53°0	50°0	N.N.W.	Moderate.	0°80	Nimbus; light rain.				

MAGNETICAL OBSERVATIONS.

September 24th and 25th.

DECLINATION.

Angular Value of one Scale Division = 0° 502.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div. 76°4	Sc. Div. 82°0	Sc. Div. 79°0	Sc. Div. 82°9	Sc. Div. 56°8	Sc. Div. 64°0	Sc. Div. 62°8	Sc. Div. 71°3	Sc. Div. 69°8	Sc. Div. 75°4	Sc. Div. 77°0	Sc. Div. 79°4	Sc. Div. 78°1
76°6	82°0	77°2	81°8	52°0	59°7	64°1	73°0	70°0	76°8	77°2	80°3	79°0
78°2	82°2	76°0	81°5	49°1	55°0	66°3	74°8	71°2	77°0	77°2	79°3	78°1
79°2	82°8	76°2	81°5	55°8	49°0	69°0	76°5	75°8	77°0	77°2	80°3	78°0
80°0	82°2	77°5	81°1	57°0	43°2	70°2	77°5	76°0	78°4	78°0	79°2	78°0
80°2	82°0	79°4	80°9	57°7	45°6	71°1	78°7	76°0	76°2	78°2	79°1	77°8
80°8	82°0	81°3	81°1	55°8	55°7	70°2	79°3	75°0	75°6	78°3	79°0	77°3
82°0	81°0	82°0	80°6	53°9	65°6	69°0	80°0	78°4	75°0	79°0	79°6	77°4
83°0	80°0	82°7	79°3	53°0	72°1	68°2	79°9	78°0	74°0	79°3	80°0	77°0
82°6	79°0	82°5	78°8	54°9	73°2	68°0	79°1	75°6	74°8	79°1	78°5	77°0
82°0	79°2	82°2	78°2	60°2	68°6	69°0	76°2	74°2	75°5	79°8	78°6	78°0
81°8	79°2	82°7	74°0	66°5	64°2	70°3	72°8	75°6	75°4	80°3	78°1	79°0

HORIZONTAL FORCE.

Change in the Magnetic moment of the Bar for 1° Fah°. = °000093.

78°2	79°4	83°6	89°6	97°9	95°8	84°0	85°3	88°4	98°0	91°6	90°7	92°7
78°8	80°6	85°2	90°9	106°5	89°8	86°3	86°2	89°4	98°7	91°5	90°3	91°9
79°8	80°7	86°2	91°2	111°2	87°9	87°2	86°0	92°0	98°5	90°6	90°9	91°7
79°0	80°6	87°4	91°2	110°2	86°1	87°4	86°1	93°4	98°2	90°0	90°5	91°9
78°6	81°0	88°0	91°2	110°0	89°5	86°4	86°3	92°4	95°8	89°4	90°3	93°3
78°4	82°0	88°2	90°8	107°8	95°0	86°3	86°5	91°7	94°6	88°9	89°8	93°9
78°2	81°6	87°9	91°6	107°1	96°8	86°4	86°7	92°8	93°8	89°0	89°9	93°0
77°8	81°2	88°0	91°8	106°9	94°7	86°4	87°2	94°8	92°0	88°5	90°2	91°3
77°0	81°2	87°8	91°6	108°2	88°9	86°0	88°0	96°8	91°8	88°2	89°8	90°4
76°0	81°2	88°0	92°0	109°2	85°1	85°9	88°2	98°8	91°8	88°8	90°7	90°3
76°4	81°4	88°8	92°5	109°7	82°6	84°5	87°4	99°7	91°0	89°4	91°7	89°8
78°0	82°2	88°9	92°1	102°5	83°2	84°4	87°0	99°0	91°2	89°0	91°9	89°4
55°8	56°2	56°4	56°5	56°5	56°5	56°2	56°4	56°0	56°0	56°0	55°8	55°8

Induction Inclinometer, one Sc. Div. = 0° 502; p. = 4° 8297; u. = 14° 22'.

27°2	35°8	34°0	41°2	17°5	27°5	16°2	26°7	27°0	39°0	36°8	38°0	37°1
28°8	36°0	33°2	40°4	16°4	19°2	19°0	29°0	27°2	40°6	37°0	38°8	37°9
31°6	36°8	32°4	41°0	18°1	13°2	22°0	30°9	28°7	40°7	36°6	38°0	36°1
32°8	37°4	33°6	41°1	26°8	4°8	25°3	32°7	35°4	41°0	36°4	39°0	36°1
33°2	37°0	33°5	40°7	26°9	— 0°7	26°7	33°8	36°4	41°8	37°0	38°0	36°2
33°5	37°4	37°8	40°3	27°2	4°2	27°2	35°2	36°2	38°8	37°1	38°0	36°1
34°6	37°6	40°1	40°5	24°0	17°2	26°8	35°9	35°8	38°0	37°0	37°9	35°3
35°6	36°0	40°2	40°2	21°5	27°2	25°2	36°7	39°8	36°8	37°3	38°5	35°2
36°0	35°0	41°0	39°0	21°2	32°0	24°2	37°0	41°2	35°0	37°2	39°0	34°8
35°0	33°6	40°7	38°2	24°0	30°7	24°2	36°6	39°2	35°4	37°0	36°5	34°7
34°2	33°8	40°5	38°9	30°3	23°3	24°8	34°0	38°6	36°0	38°0	37°4	34°9
34°0	33°8	41°2	32°0	35°0	17°6	25°5	29°8	40°0	35°6	38°2	37°1	35°9
57°0	57°2	57°2	57°5	57°2	57°2	57°1	57°0	56°6	56°5	56°6	56°5	56°5

increasing Horizontal Force, and decreasing Inclination.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.	
		Dry.	Wet.	Direction.	Force.			
D. 25	H. M. 1 0	In. 30°032	52°0	49°5	N. by W.	Gentle.	0°30	Generally clear and fine; a few cum.
	2 0	30°045	51°8	49°0	N. by W.	Gentle.	0°40	Fine, with soft cum.
	3 0	30°047	52°2	49°1	N. by W.	Gentle.	0°60	Fine, with soft cum.
	4 0	30°045	51°7	48°8	N.N.W.	Gentle.	0°70	Cum. and haze; fine.
	5 0	30°041	51°4	49°0	N.N.W.	Gentle.	0°90	Nearly overcast; dark cum. and haze.
	6 0	30°041	51°4	48°6	N.N.W.	Moderate.	0°50	Cum.; cum.-strat. and haze.
	7 0	30°025	50°4	48°2	N.N.W.	Moderate.	0°40	Cum.; cum.-strat. and haze.
	8 0	30°037	50°8	48°4	N.N.W.	Gentle.	0°60	Soft fleecy cum.; fine.
	9 0	30°053	51°0	48°2	N.N.W.	Light.	0°50	Soft fleecy cum.; fine.

Additional Readings during a disturbance 25^d.

Declination.				Horizontal Force.			Induction Inclinometer.										
H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.							
2 13 30	51°0	2 21 0	43°1	2 28 30	52°9	2 14 50	86°3	2 20 30	88°0	2 29 0	96°1	2 13 30	10°0	2 21 0	-0°1	2 28 30	13°8
16 30	46°1	23 0	43°9	31 30	60°0	15 45	86°0	24 00	91°0	30 30	96°7	16 30	1°6	23 0	1°1	31 30	20°8
19 0	43°8	27 0	49°0	33 30	63°0	19 30	87°0	26 0	93°2	34 30	95°7	19 0	-0°5	27 0	9°1	33 30	24°6

October 22d and 23d. MAGNETICAL OBSERVATIONS.												
Mean Göttingen Time.		Angular Value of one Scale Division = 0'502.						DECLINATION.				
		10 ^h .	11 ^h .	12 ^h .	13 ^h .	14 ^h .	15 ^h .	16 ^h .	17 ^h .	18 ^h .	19 ^h .	20 ^h .
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	75.2	75.2	75.9	77.5	81.8	86.7	91.0	93.5	92.0	88.8	85.9
5	0	75.2	74.2	76.2	78.0	82.0	87.0	91.3	93.5	91.7	88.6	85.3
10	0	75.8	74.3	76.0	78.5	82.8	88.0	91.7	93.3	91.7	88.2	85.0
15	0	76.2	74.8	75.8	78.5	83.2	88.4	91.9	93.4	91.2	87.9	84.7
20	0	76.7	74.3	75.1	78.8	83.7	88.8	92.0	93.5	90.8	87.7	83.8
25	0	75.8	74.2	75.0	78.9	84.1	89.0	92.3	93.2	90.7	87.3	82.9
30	0	75.0	73.5	75.4	79.0	84.2	89.2	92.7	93.2	90.7	87.0	82.2
35	0	74.3	74.0	76.5	79.2	84.9	89.3	93.0	93.3	90.0	86.8	82.0
40	0	75.2	73.3	77.5	80.0	85.1	89.8	93.0	92.9	89.7	86.3	81.0
45	0	75.8	74.2	77.4	80.3	85.4	90.2	93.0	92.8	89.2	86.0	80.3
50	0	74.2	75.0	77.5	80.9	85.8	90.6	93.0	92.3	89.2	85.8	80.6
55	0	74.3	75.5	77.5	81.3	86.2	90.9	93.1	92.2	89.0	85.8	80.9
One Scale Division = .000176 parts of the H. F. HORIZONTAL FORCE.												
M.	s.											
2	30	99.0	93.9	83.9	79.8	78.6	81.6	86.8	89.2	88.1	91.0	91.0
7	30	99.7	92.8	83.2	79.8	78.4	82.9	87.0	89.1	88.3	91.0	91.0
12	30	99.8	91.5	82.3	79.0	78.4	84.0	87.7	88.5	88.5	91.2	91.3
17	30	99.8	90.2	81.8	78.9	79.0	84.3	88.2	89.2	88.2	91.2	91.1
22	30	99.0	89.8	81.8	78.2	79.9	85.3	88.0	89.3	88.0	91.4	90.8
27	30	98.2	88.8	81.6	78.4	80.3	86.0	88.6	89.3	88.7	91.0	90.8
32	30	97.2	88.0	81.6	78.2	80.2	85.6	89.6	89.0	88.5	90.7	90.8
37	30	96.5	87.3	81.9	77.2	80.3	85.6	89.8	89.2	89.2	90.5	90.9
42	30	96.2	86.3	81.0	77.0	80.4	86.2	89.8	88.4	89.2	90.5	91.7
47	30	95.0	86.0	80.0	76.8	80.5	86.3	90.5	87.9	90.0	90.6	91.8
52	30	94.7	85.8	79.9	77.4	79.7	86.4	90.0	88.1	90.0	90.2	91.7
57	30	94.5	85.2	79.8	78.3	80.6	86.7	89.6	88.0	90.2	90.3	91.3
Thermometer		53.8	54.0	54.5	55.1	56.2	57.4	57.7	58.0	58.5	59.0	59.3
Induction Inclinator, one Sc. Div. = 0'502; p. = 4'8297; u. = 14° 22'.												
M.	s.											
0	0	34.8	33.5	32.2	33.1	37.2	43.7	50.7	55.1	54.0	50.2	45.2
5	0	34.8	32.3	32.5	33.3	37.8	44.5	51.2	55.0	53.4	50.0	45.0
10	0	35.0	32.5	32.2	33.9	38.2	45.8	51.7	54.9	53.3	49.5	45.5
15	0	35.3	32.7	31.7	34.0	39.2	46.6	52.1	55.0	53.0	49.0	45.3
20	0	36.2	31.8	31.0	34.1	40.0	46.8	52.5	55.0	52.2	48.8	44.6
25	0	34.8	31.7	30.8	34.2	40.3	47.0	53.0	55.0	52.2	48.5	43.6
30	0	34.0	30.8	31.2	34.2	40.6	47.3	53.8	54.8	52.2	47.8	43.0
35	0	33.0	31.0	32.4	34.5	41.3	47.4	54.0	55.0	51.7	47.2	42.6
40	0	34.0	30.2	33.3	35.0	41.6	48.3	54.2	54.3	51.0	46.8	41.5
45	0	34.8	31.0	33.1	35.8	42.0	49.2	54.0	54.3	50.8	46.5	41.2
50	0	32.7	31.8	33.1	36.1	42.6	49.9	54.0	54.1	50.7	46.0	41.3
55	0	33.0	32.0	33.0	36.6	43.2	50.4	54.2	54.0	50.7	46.0	41.8
Thermometer		54.6	55.7	56.8	57.9	59.0	60.0	60.3	60.6	60.9	61.0	61.0
Increasing Numbers denote increasing easterly Declination,												
METEOROLOGICAL OBSERVATIONS.												
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.			
				Dry.	Wet.	Direction.	Force.					
D.	H.	M.	In.	°	°							
22	10	0	30.061	50.6	48.6	N. by W.	Gentle.	0.50	Clear; fine.			
	11	0	30.051	54.2	50.2	N. by W.	Moderate.	0.50	Cirri; clear fine bracing air.			
	12	0	30.016	58.2	52.7	N. by W.	Moderate.	0.50	Cirri; fine.			
	13	0	29.991	62.2	54.2	N. by W.	Gentle.	0.50	Cirri; fine.			
	14	0	29.967	66.0	56.5	N. by W.	Moderate.	0.60	Cir. and cir.-cum.-strat.			
	15	0	29.942	66.6	57.3	N. by W.	Light air.	0.90	Cum.-strat. with light cum. and cir.-cum.-strat.			
	16	0	29.938	66.3	56.2	N.N.W.	Gentle.	0.80	Soft cum. and cum.-strat.			
	17	0	29.922	67.2	57.0	W.N.W.	Moderate.	0.80	Soft cum. and cum.-strat.			
	18	0	29.909	69.2	57.2	W. by N.	Gentle.	0.70	Sultry warm atmosphere; cirri.			
	19	0	29.907	70.2	58.3	N.N.W.	Gentle.	0.50	Sultry warm atmosphere; cirri.			
	20	0	29.909	64.2	54.5	N.W. by N.	Gentle.	0.50	Fine; detached cum.			
	21	0	29.919	61.2	53.2	N.W.	Gentle.	0.50	Fine; detached cum.			

MAGNETICAL OBSERVATIONS. October 22d and 23d.

DECLINATION. Angular Value of one Scale Division = 0' 502.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div. 81'4	Sc. Div. 82'0	Sc. Div. 82'8	Sc. Div. 81'9	Sc. Div. 82'2	Sc. Div. 81'9	Sc. Div. 81'8	Sc. Div. 81'5	Sc. Div. 81'4	Sc. Div. 81'0	Sc. Div. 80'8	Sc. Div. 80'0	Sc. Div. 77'9
81'3	82'0	82'3	82'0	82'1	81'9	81'7	81'5	81'4	81'1	80'8	80'0	77'4
81'2	81'9	82'0	82'0	82'0	81'8	81'7	81'6	81'0	81'0	80'8	79'8	77'2
81'2	82'0	82'3	82'2	82'0	81'9	81'7	81'1	81'2	81'0	80'8	79'6	77'0
81'2	82'0	82'3	82'2	82'0	81'7	81'8	81'3	81'2	81'0	80'8	79'3	77'0
81'5	82'0	82'3	82'2	82'0	81'8	81'5	81'2	81'2	80'9	80'6	79'1	76'7
81'9	82'2	82'0	82'4	82'0	81'8	81'7	81'2	81'1	80'8	80'2	79'0	76'4
81'6	82'3	81'7	82'4	82'0	81'7	81'7	81'5	81'0	80'8	80'1	79'0	76'2
81'5	82'0	81'3	82'4	82'0	81'6	81'7	81'2	81'0	80'8	80'2	78'8	76'0
81'3	82'4	81'3	82'0	82'0	81'8	81'6	81'4	81'0	81'0	80'2	78'6	75'9
81'6	82'6	81'9	82'0	81'9	81'8	81'5	81'4	81'0	81'0	80'2	78'2	75'3
81'9	82'1	82'0	82'0	81'9	81'6	81'5	81'4	81'1	80'8	80'0	78'0	75'2

HORIZONTAL FORCE. Change in the Magnetic moment of the Bar for 1° Fah°. = '000093.

91'5	92'9	95'1	96'0	95'2	94'3	94'2	94'7	93'5	92'0	93'2	96'9	94'8
91'9	93'5	94'8	95'2	95'2	94'6	94'2	94'6	92'4	93'6	94'4	97'1	94'5
92'0	94'2	94'7	95'0	95'0	94'4	94'2	94'4	91'0	93'8	94'0	97'1	94'9
92'3	94'3	94'7	95'0	94'9	94'2	94'2	94'1	90'0	94'8	93'6	96'9	94'6
92'8	94'5	94'6	96'2	95'8	94'2	94'0	94'0	90'0	93'0	92'4	96'8	93'9
93'0	94'3	94'7	96'4	95'7	94'0	94'2	94'7	90'0	92'6	92'0	96'5	93'5
93'2	94'6	94'8	96'1	95'0	94'0	94'2	94'4	90'0	92'0	92'2	96'0	93'1
93'1	94'7	95'1	95'9	95'8	94'0	94'2	94'4	90'0	91'4	93'0	95'7	93'3
92'4	94'7	95'4	96'2	95'0	94'0	94'2	94'0	90'2	91'4	95'8	96'0	93'0
92'2	95'1	95'6	94'9	94'4	94'5	94'3	94'2	90'8	91'6	96'4	95'9	92'8
92'2	95'2	96'1	94'9	94'2	94'2	94'5	94'0	91'2	92'0	96'8	95'7	92'7
92'3	95'5	97'9	94'8	93'9	94'2	94'5	93'8	91'5	92'0	96'8	95'3	92'4
59'5	59'7	59'7	59'6	59'4	59'0	59'0	58'8	58'4	58'4	58'2	57'8	56'8

Induction Inclinometer, one Sc. Div. = 0' 502; p. = 4'8297; u. = 14° 22'.

42'1	42'5	43'2	42'3	42'4	42'0	41'6	41'1	41'0	41'0	40'8	40'0	37'7
41'9	42'7	42'8	42'4	42'6	42'0	41'5	41'2	41'0	40'9	40'6	39'7	37'3
42'0	42'7	42'2	42'4	42'2	42'0	41'5	41'2	40'9	41'0	40'6	39'5	37'1
42'0	42'9	42'5	42'4	42'2	42'0	41'5	41'1	41'0	40'8	40'6	39'3	37'0
42'2	42'9	42'5	42'6	42'2	41'5	41'5	40'9	41'2	40'8	40'6	39'0	36'8
42'5	43'0	42'3	42'8	42'4	41'7	41'2	40'8	41'0	40'8	40'4	38'8	36'7
42'8	43'1	42'1	43'0	42'2	41'9	41'3	41'0	41'0	40'8	40'2	38'8	36'3
42'6	43'2	41'9	43'4	42'0	41'7	41'3	41'0	41'0	40'6	40'0	38'7	36'1
42'3	43'0	41'5	43'2	42'2	41'5	41'3	41'0	40'8	40'8	40'2	38'7	35'9
42'1	43'2	41'8	42'2	42'0	41'8	41'2	41'0	40'8	40'8	40'0	38'3	35'4
42'2	43'3	42'5	42'0	42'0	41'8	41'2	41'1	40'9	40'8	40'0	38'2	35'2
42'4	43'0	42'8	42'2	41'9	41'5	41'2	41'0	41'0	40'8	40'0	38'0	35'0
60'9	60'7	60'5	60'4	60'0	59'6	59'2	59'2	58'4	58'5	58'6	57'8	56'7

increasing Horizontal Force, and decreasing Inclination.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
D.	H.	M.		Dry.	Wet.	Direction.	Force.		
22	22	0	22'937	58'5	51'6	N.W.	Gentle.	0'60	Moderate; fine; soft cum. generally scattered.
	23	0	22'946	56'3	50'6	N.W.	Gentle.	0'70	Dark masses of cum. gathering.
23	0	0	22'953	55'2	50'4	N. W.	Light air.	0'40	Nearly calm; masses of cum.
	1	0	22'956	54'6	50'2	N. by E.	Light air.	0'40	Nearly calm; masses of cum.
	2	0	22'953	53'2	49'0	N. by E.	Light air.	0'40	Cum; stars shining brightly.
	3	0	22'950	52'2	48'5	—	Calm.	0'50	A zone of clear sky from N. to S.; remainder clouded.
	4	0	22'942	51'0	47'4	S.	Light.	0'20	Generally clear; a few masses of cum.
	5	0	22'937	49'0	44'2	S.	Light.	0'10	Nearly cloudless.
	6	0	22'942	47'4	42'4	S.	Gentle	0'10	A few streamers of strat.; remainder quite clear.
	7	0	22'953	46'0	41'8	S.	Light.	0'20	Cum.-strat. and cum.
	8	0	22'972	45'4	42'2	S.	Light air.	0'30	Cum.; moderate and fine.
	9	0	22'980	46'6	42'6	S.	Light air.	0'20	Generally clear; a soft bank of cum. to S.E.

November 28th and 29th.			MAGNETICAL OBSERVATIONS.										
Mean Göttingen Time.			Angular Value of One Scale Division = 0' 502.					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.	
0	0		71'1	68'8	67'9	71'3	75'7	86'9	95'0	96'4	95'0	90'8	
5	0		70'7	68'5	67'4	71'9	76'4	87'5	95'4	96'0	94'7	90'7	
10	0		70'3	68'8	67'9	71'9	78'0	88'8	95'8	96'2	94'5	90'1	
15	0		69'7	68'2	69'0	73'0	78'8	90'0	95'6	96'4	94'5	89'6	
20	0		69'8	67'5	69'0	73'0	78'5	90'8	95'0	96'0	95'0	89'2	
25	0		70'0	68'0	68'8	73'1	78'8	90'6	95'0	96'0	94'8	89'0	
30	0		69'8	67'1	68'6	74'0	80'0	91'2	95'2	95'8	93'8	88'8	
35	0		70'3	68'0	69'0	75'1	80'9	92'2	95'4	96'4	93'0	88'4	
40	0		70'0	68'0	69'8	75'7	82'4	92'8	95'6	96'4	92'3	88'0	
45	0		69'9	67'4	69'7	76'1	84'0	93'4	96'0	94'8	92'3	87'6	
50	0		69'1	67'2	70'5	76'7	85'2	94'0	96'4	94'8	91'8	87'1	
55	0		68'9	67'4	70'8	75'9	86'0	94'4	96'0	95'4	91'2	86'9	
			One Scale Division = .000176 parts of the H. F.					HORIZONTAL FORCE.					
M.	S.												
2	30		84'2	83'5	79'9	66'8	73'3	73'2	78'2	82'0	85'8	87'4	
7	30		84'2	83'3	79'2	65'7	73'6	73'4	79'6	82'2	85'3	88'8	
12	30		84'0	83'0	78'5	65'3	74'9	74'6	79'2	82'4	85'5	88'7	
17	30		84'2	82'8	77'4	65'7	74'5	74'8	80'0	83'8	85'5	88'2	
22	30		84'0	82'3	76'8	66'2	73'7	74'0	79'2	83'0	86'7	87'9	
27	30		84'0	82'2	75'0	65'7	73'1	74'0	80'0	84'4	86'7	87'3	
32	30		84'0	82'0	73'1	66'2	72'7	75'8	81'2	84'5	85'7	86'8	
37	30		84'0	81'8	70'9	66'1	71'9	75'8	81'8	85'6	85'9	86'9	
42	30		83'9	81'3	70'4	66'9	72'6	76'8	82'0	86'8	86'4	87'1	
47	30		83'9	81'2	69'7	70'9	73'3	77'0	82'0	85'0	86'2	86'9	
52	30		83'4	80'8	69'0	74'1	72'5	78'0	81'8	86'0	85'7	86'2	
57	30		83'5	80'7	67'9	73'7	73'0	78'2	82'0	85'8	87'1	87'2	
Thermometer			65'7	65'7	65'2	65'4	65'3	64'5	65'0	65'0	64'6	64'6	64'8
			Induction Inclinometer, one Sc. Div. = 0' 502; p. = 4' 8297; u. = 14° 22'.										
M.	S.												
0	0		27'5	24'0	21'4	23'3	26'1	37'2	48'8	52'0	52'6	49'1	
5	0		26'5	23'6	21'1	24'0	26'4	38'2	49'2	52'0	52'0	49'7	
10	0		26'3	23'9	21'0	23'4	28'5	40'2	50'4	52'0	52'0	49'2	
15	0		25'4	23'2	22'1	24'3	29'5	41'7	50'0	52'2	51'9	49'0	
20	0		25'7	22'5	22'1	24'1	28'9	43'3	49'5	53'0	53'1	48'2	
25	0		26'0	22'5	22'2	24'1	29'0	42'2	49'6	53'0	53'1	47'3	
30	0		25'6	21'9	22'1	25'1	29'9	43'4	50'2	53'0	51'2	47'1	
35	0		26'2	22'0	21'3	26'6	30'8	45'0	51'0	53'8	50'7	46'9	
40	0		25'9	22'2	21'8	27'0	32'2	46'0	51'0	54'8	50'0	46'3	
45	0		25'2	22'0	21'9	27'8	34'3	46'8	51'8	52'4	50'3	46'0	
50	0		24'9	21'5	22'2	28'2	35'2	47'6	52'0	52'8	49'7	45'1	
55	0		24'7	21'3	22'5	26'7	36'0	48'4	51'4	53'0	49'0	45'0	
Thermometer			66'0	66'1	65'5	66'6	64'6	64'4	65'8	65'3	65'0	65'2	65'5
Increasing Numbers denote increasing easterly Declination.													
METEOROLOGICAL OBSERVATIONS.													
Mean Göttingen Time.			Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.				
				Dry.	Wet.	Direction.	Force.						
D.	H.	M.	In.	°	°								
28	10	0	29'384	60'5	59'2	—	Calm.	0'90	Calm; showery appearance.				
	11	0	29'372	63'0	60'0	N. by W.	Light air.	0'70	Close atmosphere; threatening rain.				
	12	0	29'364	66'0	60'4	N. N. W.	Light breeze.	0'80	Atmosphere more open.				
	13	0	29'323	68'0	60'5	N. by W.	Gentle.	0'50	Cum.; squally.				
	14	0	29'318	62'5	57'3	N. W.	Light.	1'00	Rain; hard showers.				
	15	0	29'293	64'9	60'8	N.	Light.	0'70	Fine; sunshine, with occasional showers; distant thunder.				
	16	0	29'309	62'8	58'8	S. E.	Light.	0'70	Unsettled, with frequent hard showers.				
	17	0	29'303	63'0	55'8	S. by W.	Gentle.	0'70	Unsettled, with frequent hard showers.				
	18	0	29'343	59'0	57'0	S. E.	Light.	0'00	Unsettled, with frequent hard showers.				
	19	0	29'360	61'0	58'7	S. E.	Light.	0'60	Rain ceased; sky clearing.				
	20	0	29'381	64'1	60'2	N. N. E.	Light.	0'60	Fine showery appearance.				
	21	0	29'405	62'3	58'6	—	Calm.	0'80	Soft cum.; with light showers.				

MAGNETICAL OBSERVATIONS.

November 28th and 29th.

DECLINATION.

Angular Value of One Scale Division = 0'502.

21h.	22h.	23h.	0h.	1h.	2h.	3h.	4h.	5h.	6h.	7h.	8h.	9h.
Sc. Div. 83°2	Sc. Div. 75°1	Sc. Div. 82°0	Sc. Div. 75°8	Sc. Div. 76°6	Sc. Div. 77°6	Sc. Div. 74°3	Sc. Div. 79°8	Sc. Div. 90°0	Sc. Div. 84°1	Sc. Div. 81°0	Sc. Div. 79°2	Sc. Div. 77°2
83°3	75°8	81°8	76°4	75°0	77°1	74°6	79°5	92°0	83°4	81°1	79°2	77°0
83°2	77°0	81°1	76°8	74°8	76°2	75°2	79°4	92°8	82°4	80°9	79°4	76°8
83°3	78°5	81°3	78°0	75°0	75°2	76°3	79°3	92°4	—	80°2	78°4	76°8
83°3	79°5	81°0	78°8	74°4	74°7	76°9	78°3	91°5	81°2	80°1	78°6	75°2
82°0	79°9	81°0	80°0	74°2	73°8	77°2	78°3	90°7	81°0	80°0	78°6	76°0
79°2	80°9	80°8	—	74°2	73°9	77°9	78°8	89°2	80°9	79°8	78°4	75°2
75°6	81°7	80°6	82°6	74°2	73°3	78°0	79°8	87°9	81°5	80°0	78°4	75°0
73°9	82°0	80°2	82°0	75°0	73°3	78°3	81°4	86°0	81°0	80°2	78°8	73°8
75°5	81°9	79°2	80°8	76°0	74°5	78°8	82°5	85°9	81°5	80°0	78°0	74°2
76°4	81°9	78°8	79°2	77°2	74°0	79°3	86°0	84°6	81°0	79°8	77°8	74°8
75°7	82°0	77°0	77°8	78°0	74°0	79°8	87°2	84°5	81°0	79°8	77°6	75°0

HORIZONTAL FORCE.

Change in the Magnetic moment of the Bar for 1° Fahr. = '000093.

86°1	85°7	86°1	84°2	83°2	83°7	84°7	82°4	82°4	86°6	83°4	84°0	83°2
85°9	86°0	86°0	83°1	83°8	84°2	83°9	82°0	83°0	85°8	83°5	84°4	84°2
84°9	85°9	86°0	83°0	84°6	85°9	83°3	82°6	82°9	85°2	83°4	84°2	83°6
84°0	86°2	85°5	82°6	84°8	86°8	83°1	81°6	82°6	84°8	83°7	84°2	83°4
84°0	86°4	84°6	81°8	84°0	87°8	83°1	81°4	82°7	84°1	84°1	84°6	83°0
83°3	85°6	84°0	83°0	83°6	88°1	83°6	81°3	84°1	83°6	83°8	84°6	83°4
82°0	85°8	83°8	—	83°4	87°9	82°8	81°0	84°6	83°3	84°5	84°6	83°0
84°0	85°6	84°0	82°8	82°8	87°8	82°8	80°3	85°5	83°0	84°4	84°8	83°2
86°4	85°9	83°8	82°8	82°8	88°0	83°0	80°3	86°4	82°9	84°0	84°6	83°4
87°0	86°2	84°2	82°4	83°0	87°3	83°0	80°8	87°0	82°6	83°8	83°8	83°6
86°0	85°8	84°8	82°0	83°2	86°3	83°2	81°5	87°1	82°7	83°6	83°6	83°8
85°0	86°0	84°2	82°8	83°4	85°3	83°0	81°9	87°1	83°1	84°0	83°4	83°6
64°8	64°7	64°7	64°4	64°4	64°0	63°7	63°5	63°3	62°8	62°6	62°2	62°2

Induction Inclinometer, one Sc. Div. = 0'502; p. = 4°8297; u. = 14°22'.

40°9	32°6	39°6	33°6	34°0	35°0	31°7	36°3	47°3	43°4	37°3	36°0	33°4
40°9	33°0	39°2	33°8	33°0	34°7	31°6	35°8	49°3	42°3	37°6	36°0	33°2
40°2	34°5	38°9	33°6	32°2	34°0	32°1	35°7	50°1	41°0	37°3	36°2	33°0
40°0	36°0	39°0	34°8	32°8	32°9	33°0	35°6	49°9	—	36°8	35°0	33°0
39°8	37°2	38°3	35°6	32°0	32°7	33°3	34°2	49°0	39°0	36°8	35°4	31°2
38°3	37°5	38°2	37°2	32°0	32°4	33°3	34°4	48°4	38°2	36°8	35°4	32°0
34°2	38°1	37°8	—	32°0	33°0	34°3	34°8	47°5	37°8	36°4	35°4	31°2
31°0	39°0	37°6	39°6	32°0	32°3	34°6	36°0	46°1	38°1	36°8	35°4	31°0
30°6	39°3	37°4	39°2	32°0	32°3	34°8	37°2	44°6	37°3	37°2	35°4	30°6
33°4	39°3	36°6	37°8	33°0	33°7	35°1	38°6	44°8	37°6	37°0	34°5	30°8
34°6	39°7	36°6	36°2	35°0	32°3	35°7	42°3	43°9	37°1	36°6	34°0	31°0
33°1	39°5	35°2	35°0	35°6	32°0	36°3	44°0	43°8	37°1	36°4	33°8	31°0
65°3	65°0	65°0	64°8	64°6	64°2	63°7	63°5	63°3	62°8	62°6	62°5	62°6

increasing Horizontal Force, and increasing Declination.

METEOROLOGICAL OBSERVATIONS.

Mean Göttingen Time.	Barometer at 32°.	Thermometers.		Wind.		Extent of Cloudy Sky.	Weather.
		Dry.	Wet.	Direction.	Force.		
D. H. M.	In.	°	°				
28 22 0	29°444	60°2	55°6	—	Calm.	0°90	Cum. and cum.-strat.; showery.
23 0	29°474	59°1	54°7	W.	Light.	0°90	Cum.
29 0 0	29°501	58°6	54°0	—	Calm.	0°40	Dark heavy cum. hanging about.
1 0 0	29°525	57°6	54°0	—	Calm.	0°40	Dark heavy cum. hanging about.
2 0	29°533	57°0	53°0	N.E. by N.	Light air.	0°40	Cum. hanging about in heavy masses.
3 0	29°558	55°6	52°5	N. by E.	Gentle.	0°40	Cum. hanging about in heavy masses.
4 0	29°565	55°8	52°6	—	Calm.	0°40	Fine; cum.
5 0	29°597	55°3	51°7	—	Calm.	0°40	Cum. and strat.
6 0	29°607	54°7	52°0	—	Calm.	0°60	Cum.; clear blue sky in various places.
7 0	29°639	55°0	52°3	—	Calm.	1°00	Overcast; cum.-strat.
8 0	29°655	55°8	52°4	W. by N.	Light air.	0°70	Fine; cum. and cum.-strat. dispersed over the sky.
9 0	29°661	57°0	53°8	W. by N.	Light air.	0°90	Nearly overcast; cum. and cum.-strat.

VAN DIEMEN ISLAND, 1845.

METEOROLOGICAL OBSERVATIONS.

BAROMETRIC PRESSURE.													
Barometer at 32° = 28 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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
JANUARY.	1	1.934	1.935	1.938	1.941	1.953	1.945	1.951	1.956	1.966	1.966	1.972	1.958
	2	1.839	1.842	1.833	1.816	1.804	1.788	1.761	1.753	1.763	1.768	1.769	1.771
	3	1.538	1.525	1.496	1.480	1.467	1.467	1.490	1.524	1.541	1.565	1.613	1.637
	4	1.864	1.873	1.880	—	—	—	—	—	—	—	—	—
	5	—	—	—	1.986	1.990	1.996	2.004	2.024	2.041	2.067	2.070	2.071
	6	1.981	1.967	1.937	1.905	1.884	1.844	—	1.794	1.773	1.771	1.729	1.702
	7	1.492	1.452	1.470	1.432	1.329	1.310	1.308	1.308	—	1.304	1.325	1.298
	8	1.173	1.165	1.172	1.138	1.174	1.202	1.219	1.240	1.268	1.297	1.316	1.316
	9	1.585	1.596	1.599	1.605	1.600	1.610	1.622	1.635	1.663	1.693	1.717	1.736
	10	1.885	1.885	1.884	1.886	1.870	1.857	1.859	1.858	1.858	1.867	1.862	1.861
	11	1.853	1.853	1.869	—	—	—	—	—	—	—	—	—
	12	—	—	—	1.810	1.783	1.766	1.748	1.744	1.725	1.731	1.721	1.713
	13	1.467	1.461	1.434	1.412	—	—	—	1.286	1.272	1.260	1.261	1.263
	14	1.690	1.674	1.673	1.693	1.685	1.685	1.687	1.699	1.718	1.734	1.740	1.739
	15	1.661	1.641	1.629	1.609	—	1.566	1.545	1.541	1.526	1.505	1.490	1.462
	16	1.560	1.555	1.569	1.562	1.540	1.515	1.511	1.521	1.533	1.543	1.545	1.547
	17	1.453	1.443	1.450	1.448	1.442	1.439	1.418	1.424	1.444	1.448	1.462	1.500
	18	1.640	1.642	1.644	—	—	—	—	—	—	—	—	—
	19	—	—	—	2.162	2.162	2.165	2.165	2.179	2.200	2.222	2.247	2.256
	20	2.290	2.293	2.285	2.275	2.261	2.255	2.239	2.238	2.239	2.243	2.252	2.249
	21	2.197	2.190	2.183	2.176	2.162	2.155	2.136	2.130	2.134	2.141	2.139	2.124
	22	2.003	1.993	1.981	1.970	1.956	1.930	1.916	1.910	1.914	1.926	1.934	1.937
	23	1.825	1.818	1.803	1.798	1.793	1.783	1.789	—	1.797	1.801	1.801	1.805
	24	1.621	1.612	1.589	1.584	1.581	1.579	1.573	1.593	1.582	1.562	1.562	1.582
	25	1.706	1.699	1.705	—	—	—	—	—	—	—	—	—
	26	—	—	—	1.887	1.890	1.890	1.896	1.916	1.930	1.944	1.970	1.990
	27	2.051	2.043	2.034	2.028	2.012	1.999	1.992	1.984	1.996	2.002	2.024	2.017
	28	1.934	1.935	1.928	1.911	1.904	1.896	1.889	1.894	1.908	1.922	1.938	1.946
	29	1.975	1.977	1.967	1.953	1.945	1.937	1.919	1.932	1.942	1.954	1.974	1.980
	30	1.938	1.933	1.925	1.898	—	1.856	1.836	1.836	1.836	1.834	1.818	1.821
	31	1.565 ^a	1.561 ^a	1.556 ^a	1.551 ^a	1.537 ^a	1.536 ^a	1.592 ^a	1.659	1.662	1.680	1.711	1.722
Hourly Means	1.7752	1.7693	1.7645	1.7833	1.7907	1.7774	1.7697	1.7530	1.7781	1.7686	1.7767	1.7779	
FEBRUARY.	1	1.834	1.828	1.833	—	—	—	—	—	—	—	—	
	2	—	—	—	1.889	1.877	1.885	1.878	1.872	1.872	1.880	1.897	1.900
	3	1.877	1.873	1.861	1.851	1.842	1.835	1.829	1.811	1.821	1.825	1.837	1.834
	4	1.744	1.747	1.735	1.725	1.716	1.711	1.714	1.710	1.714	1.723	1.729	1.736
	5	1.685	1.667	1.677	1.684	1.684	1.678	1.672	1.660	1.664	1.676	1.689	1.690
	6	1.585	1.578	1.554	1.534	1.504	1.464	1.442	1.408	1.385	1.358	1.334	1.310
	7	1.293	1.304	1.318	1.328	1.336	1.343	1.358	1.370	1.376	1.386	1.384	1.416
	8	1.652	1.659	1.664	—	—	—	—	—	—	—	—	—
	9	—	—	—	1.964	1.964	1.955	1.952	1.956	1.970	1.984	1.988	1.997
	10	1.981	1.971	1.957	1.941	—	1.888	1.870	1.850	1.843	1.837	1.825	1.817
	11	1.578	1.564	1.548	1.536	1.528	1.523	1.513	1.523	1.532	1.553	1.571	1.591
	12	1.801	1.811	1.824	1.846	—	—	1.849	1.853	1.884	1.909	1.920	1.939
	13	1.993	1.982	1.967	1.960	1.945	1.937	1.921	1.897	1.879	1.869	1.856	1.841
	14	1.737	1.764	1.766	1.769	—	1.777	1.778	1.784	1.806	1.816	1.828	1.844
	15	1.802	1.791	1.784	—	—	—	—	—	—	—	—	—
	16	—	—	—	1.622	1.647	1.665	1.677	1.699	1.731	1.781	1.821	1.843
	17	2.011	2.008	2.004	1.999	1.982	1.967	1.957	1.947	1.934	1.938	1.936	1.943
	18	2.025	2.035	2.044	2.056	2.066	2.080	2.076	2.082	2.098	2.117	2.129	2.136
	19	2.090	2.082	2.072	2.052	2.030	2.006	1.992	1.976	1.956	1.952	1.948	1.934
	20	1.672	1.652	1.628	1.596	1.576	1.543	1.527	1.516	1.507	1.506	1.516	1.525
	21	1.545	1.539	1.525	1.526	1.505	1.493	1.485	1.490	1.494	—	1.555	1.582
	22	1.789	1.789	1.793	—	—	—	—	—	—	—	—	—
	23	—	—	—	1.905	1.878	1.850	1.817	1.822	1.799	1.791	1.773	1.759
	24	1.618	1.640	1.677	1.705	1.695	1.699	1.706	1.709	1.726	1.746	1.762	1.778
	25	1.657	1.646	1.634	1.619	1.598	1.575	1.567	1.551	—	1.563	1.580	1.597
	26	1.669	1.662	1.652	1.639	1.625	1.611	1.597	1.607	1.625	1.635	1.642	1.677
	27	1.833	1.825	1.819	1.821	1.803	1.805	1.793	1.807	1.819	1.831	1.836	1.870
	28	2.041	2.066	2.076	2.077	2.069	2.062	2.053	2.057	2.073	2.091	2.119	2.146
Hourly Means	1.7709	1.7701	1.7672	1.7668	1.7557	1.7544	1.7510	1.7482	1.7612	1.7725	1.7698	1.7794	

^a Not included in the means.

BAROMETRIC PRESSURE.												Daily and Monthly Means.
Barometer at 32° = 28 English inches + the numbers in the Table.												
12	13	14	15	16	17	18	19	20	21	22	23	
21	22	23	0	1	2	3	4	5	6	7	8	
1·947	1·916	—	1·875	1·846	1·813	1·801	1·793	1·801	1·821	1·832	1·840	1·9000
1·766	1·737	1·710	1·678	1·645	1·616	1·602	1·575	1·570	1·534	1·535	1·555	1·7096
1·649	1·673	1·685	1·691	1·703	1·717	1·739	1·760	1·764	1·801	1·827	1·854	1·6335
—	—	—	—	—	—	—	—	—	—	—	—	2·0075
2·070	2·065	2·050	2·042	2·029	2·017	2·013	1·999	2·002	2·015	2·013	1·999	1·7068
1·674	1·646	1·628	1·557	1·558	1·567	1·550	1·563	1·578	1·564	1·554	1·529	1·2845
1·275	1·278	1·263	1·253	1·228	1·205	1·180	1·155	1·155	1·167	1·178	1·178	1·3230
1·332	1·356	1·344	1·364	1·372	1·400	1·419	1·433	1·454	1·497	1·542	1·560	1·7207
1·750	1·767	1·771	1·782	1·788	1·795	1·793	1·799	1·809	1·841	1·865	1·877	1·8222
1·834	1·812	1·771	1·742	1·710	1·706	1·732	1·746	1·776	1·804	1·826	1·843	1·6614
—	—	—	—	—	—	—	—	—	—	—	—	1·4149
1·683	1·657	1·621	1·580	1·550	1·533	1·506	1·495	1·487	1·480	1·483	1·482	1·6830
1·271	1·323	1·358	1·388	1·406	1·440	1·489	1·527	1·557	1·592	1·605	1·640	1·5165
1·737	1·714	1·689	1·663	1·646	1·642	1·642	1·638	1·641	1·651	1·655	1·658	1·5003
1·433	1·394	1·385	—	1·428	1·462	1·472	1·482	1·492	1·524	1·540	1·575	1·4891
1·537	1·516	1·500	1·481	1·462	1·444	1·434	1·419	1·420	1·424	1·431	1·438	2·1512
1·489	1·498	1·508	1·502	1·493	1·506	1·523	1·531	1·541	1·572	1·592	1·612	2·2314
—	—	—	—	—	—	—	—	—	—	—	—	2·0882
2·261	2·259	2·259	2·258	2·234	2·224	2·234	2·220	2·222	2·240	2·254	2·280	1·8952
2·246	2·226	2·213	2·214	—	2·194	2·184	2·182	2·182	2·188	2·184	2·191	1·7353
2·112	2·086	2·075	2·049	2·020	2·006	1·986	1·989	1·983	1·969	1·979	1·995	1·5942
1·911	1·898	1·883	1·863	1·842	1·825	1·815	1·818	1·811	1·813	1·816	1·821	1·9373
1·793	1·774	1·746	1·726	1·693	1·659	1·641	1·635	1·617	1·596	1·589	1·621	1·9735
1·589	1·592	1·588	1·574	1·576	1·576	1·584	1·591	1·611	1·625	1·659	1·676	1·9235
—	—	—	—	—	—	—	—	—	—	—	—	1·9471
2·003	2·011	2·007	2·001	1·999	1·999	1·999	1·999	1·999	1·999	2·017	2·040	1·7817
2·007	1·975	1·955	1·933	—	1·903	1·906	1·901	1·889	1·900	1·915	1·925	1·7413
1·947	1·956	1·941	1·931	1·917	1·912	1·906	1·905	1·916	1·923	1·940	1·965	—
1·985	1·970	1·945	1·942	1·938	1·932	1·932	1·924	1·919	1·930	1·935	1·924	—
1·806	1·791	1·762	1·733	1·707	1·684	1·671	1·667	1·656	1·650	1·655	1·666	—
1·734	1·747	1·739	1·752	1·753	1·751	1·757	1·761	1·775	1·783	1·796	1·820	—
1·7719	1·7643	1·7460	1·7528	1·7017	1·7603	1·7226	1·7225	1·7269	1·7371	1·7488	1·7639	1·7566
—	—	—	—	—	—	—	—	—	—	—	—	1·8605
1·898	1·895	1·887	1·863	1·847	1·832	1·819	1·815	1·819	1·828	1·840	1·865	1·7970
1·830	1·819	1·799	1·779	1·756	1·731	1·717	1·714	1·710	1·719	1·722	1·737	1·6923
1·731	1·715	1·705	1·683	1·661	1·635	1·621	1·606	1·611	1·627	1·647	1·669	1·6368
1·687	1·667	1·651	1·623	1·597	1·581	1·565	1·549	1·543	1·549	1·565	1·581	1·3363
1·303	1·248	1·247	1·220	1·196	1·157	1·152	1·167	1·185	1·211	1·250	1·280	1·4252
1·414	1·422	1·433	1·447	1·451	1·465	1·494	1·516	1·543	1·577	1·603	1·628	—
—	—	—	—	—	—	—	—	—	—	—	—	1·9394
2·006	2·016	2·006	1·995	1·991	1·987	1·983	1·975	1·964	1·968	1·968	1·981	1·7764
1·786	1·764	1·745	1·717	1·705	1·683	1·658	1·636	1·618	1·597	1·590	1·578	1·6015
1·605	1·608	1·610	1·622	1·634	1·642	1·644	1·641	1·662	1·710	1·731	1·768	1·9271
1·965	1·983	1·993	1·982	1·983	1·982	1·969	1·972	1·971	1·983	1·991	1·986	1·8031
1·822	1·790	1·740	1·709	1·677	1·653	1·627	1·628	1·621	1·626	1·632	1·703	1·8038
1·846	1·841	1·849	1·837	1·825	1·819	1·798	1·799	1·795	1·791	1·801	1·817	—
—	—	—	—	—	—	—	—	—	—	—	—	1·8267
1·857	1·881	1·893	1·887	1·882	1·887	1·901	1·917	1·933	1·958	1·978	2·003	1·9499
1·933	1·933	1·914	1·893	1·871	1·889	1·905	1·937	1·956	1·962	1·969	2·009	2·0960
2·151	2·150	2·138	2·128	2·120	2·111	2·103	2·097	2·091	2·088	2·094	2·090	1·8912
1·914	1·892	1·863	1·833	1·806	1·775	1·739	1·721	1·704	1·690	1·683	1·679	1·5452
1·536	1·536	1·522	1·518	1·511	1·515	1·526	1·522	1·532	1·528	1·534	1·540	1·5894
1·609	1·627	1·624	1·623	1·620	1·626	1·626	1·634	1·657	1·689	1·726	1·756	—
—	—	—	—	—	—	—	—	—	—	—	—	1·7150
1·753	1·728	1·688	1·641	1·620	1·588	1·554	1·543	1·549	1·561	1·570	1·601	1·7022
1·787	1·789	1·753	1·738	1·717	1·681	1·666	1·655	1·644	1·642	1·657	1·663	1·6108
1·612	1·590	1·598	1·596	1·606	1·608	1·620	1·621	1·635	1·644	1·655	1·676	1·6832
1·686	1·696	1·697	1·699	1·717	1·711	1·719	1·727	1·749	1·762	1·788	1·805	1·8710
1·875	1·876	1·890	1·884	1·876	1·891	1·914	1·922	1·930	1·972	1·997	2·021	2·1091
2·124	2·159	2·148	2·137	2·123	2·117	2·119	2·122	2·141	2·150	2·165	2·184	—
1·7804	1·7758	1·7664	1·7522	1·7413	1·7319	1·7266	1·7265	1·7318	1·7430	1·7565	1·7758	1·7577

BAROMETRIC PRESSURE.													
Barometer at 32° = 28 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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
MARCH.	1	2·194	2·190	2·176	—	—	—	—	—	—	—	—	
	2	—	—	—	1·905	1·899	1·893	1·890	1·884	1·895	1·913	1·926	1·928
	3	1·797	1·781	1·761	1·744	1·733	1·729	—	1·720	1·710	1·716	1·716	1·702
	4	1·553	1·540	1·555	1·579	1·575	1·590	1·608	1·637	1·673	1·695	1·705	1·724
	5	2·113	2·134	2·157	2·170	2·171	2·186	2·193	2·219	2·246	2·258	2·305	2·333
	6	2·285	2·275	2·251	2·234	2·191	2·194	2·198	2·200	—	2·212	2·229	2·257
	7	2·016	1·976	1·970	1·942	1·916	1·894	1·872	1·844	—	—	1·796	1·782
	8	1·562	1·550	1·536	—	—	—	—	—	—	—	—	—
	9	—	—	—	1·701	1·732	1·739	1·746	1·760	1·782	1·816	1·854	1·878
	10	1·921	1·924	1·914	1·904	1·895	1·889	1·890	1·886	1·891	1·901	1·910	1·919
	11	1·713	1·692	1·647	1·603	1·577	1·553	1·541	—	1·523	1·505	1·499	1·474
	12	1·382	1·416	1·440	1·425	1·446	1·465	1·483	1·493	1·510	1·552	1·596	1·615
	13	1·718	1·764	1·785	1·801	—	1·821	1·860	1·880	1·926	1·956	2·000	2·008
	14	1·991	1·981	1·966	1·951	1·932	1·908	1·876	1·850	1·832	1·837	1·830	1·824
	15	1·758	1·785	1·822	—	—	—	—	—	—	—	—	—
	16	—	—	—	2·205	2·199	2·196	2·182	2·172	2·167	2·169	2·179	2·177
	17	2·021	2·014	2·011	2·001	1·993	1·983	1·978	1·978	1·982	1·992	2·000	2·001
	18	1·922	1·896	1·862	1·842	—	1·748	1·742	1·690	1·678	1·660	1·656	1·622
	19	1·876	1·885	1·898	1·908	—	—	—	—	—	1·980	2·000	2·010
	20	1·918	1·909	1·898	a	—	—	—	—	—	—	—	—
	21	—	—	—	2·205	2·217	2·229	2·233	2·240	2·267	2·295	2·325	2·353
	22	2·438	2·438	2·439	—	—	—	—	—	—	—	—	—
	23	—	—	—	2·356	2·340	2·320	2·305	2·281	2·275	2·272	2·266	2·261
	24	1·984	1·966	1·967	1·962	1·943	1·937	1·922	1·896	1·892	1·898	1·918	1·910
	25	1·898	1·909	1·912	1·912	1·909	1·912	1·900	1·902	1·916	1·928	1·954	1·964
	26	2·006	2·009	1·996	1·974	1·966	1·956	1·942	1·926	1·937	1·945	1·947	1·956
	27	1·955	1·950	1·936	1·909	1·884	1·868	1·842	1·837	1·838	1·822	1·818	1·816
	28	1·534	1·518	1·510	1·513	1·515	1·520	1·529	1·545	1·567	1·603	1·645	1·654
	29	1·723	1·701	1·691	—	—	—	—	—	—	—	—	—
	30	—	—	—	1·966	1·958	1·955	1·947	1·949	1·947	1·962	1·974	1·981
	31	2·087	2·091	2·087	2·086	2·094	2·092	2·084	2·093	2·096	2·104	2·108	2·114
Hourly Means	1·8946	1·8918	1·8875	1·9119	1·9130	1·8990	1·9027	1·9079	1·8886	1·9163	1·9262	1·9305	
APRIL.	1	1·942	1·914	1·889	1·869	1·851	1·825	1·797	1·783	—	1·768	1·759	1·759
	2	1·657	1·660	1·664	1·660	1·661	1·656	1·650	1·650	1·662	1·676	1·695	1·718
	3	1·733	1·734	1·722	1·724	1·716	1·720	1·712	1·722	1·742	1·764	1·788	1·809
	4	1·846	1·846	1·846	1·830	1·816	1·792	1·758	1·754	—	—	1·776	1·770
	5	2·083	2·106	2·110	—	—	—	—	—	—	—	—	—
	6	—	—	—	2·258	2·250	2·248	2·246	2·253	2·275	2·290	2·301	2·314
	7	2·266	2·271	2·259	2·237	2·223	2·217	2·191	2·173	2·179	2·185	2·186	2·198
	8	2·057	2·048	2·030	2·018	2·006	1·997	1·986	1·978	—	1·966	1·963	1·956
	9	1·745	1·728	1·724	1·642	1·670	1·663	1·649	1·635	1·637	1·629	1·632	1·640
	10	1·675	1·687	1·691	1·687	1·676	1·679	1·671	1·683	1·679	1·691	1·688	1·694
	11	1·872	1·868	1·862	1·850	1·836	1·816	1·800	1·810	1·822	1·834	1·853	1·880
	12	2·003	1·995	1·996	—	—	—	—	—	—	—	—	—
	13	—	—	—	1·949	1·943	1·931	1·903	1·899	1·903	1·895	1·889	1·888
	14	1·815	1·831	1·838	1·847	1·859	1·863	1·870	1·878	1·886	1·902	1·928	1·937
	15	2·051	2·055	2·069	2·098	2·100	2·106	2·106	2·116	2·134	2·153	2·175	2·198
	16	2·166	2·156	2·138	2·116	2·106	2·081	2·056	2·054	2·054	2·057	2·063	2·068
	17	1·888	1·885	1·870	1·852	1·837	1·814	1·794	1·783	1·785	1·788	1·790	1·802
	18	1·615	1·609	1·601	1·595	1·599	1·609	1·598	1·580	1·576	1·593	1·591	1·581
	19	1·693	1·707	1·708	—	—	—	—	—	—	—	—	—
	20	—	—	—	1·866	1·883	1·878	1·878	1·878	1·881	1·900	1·918	1·924
	21	2·052	2·070	2·075	2·106	2·110	2·126	2·140	2·168	—	2·211	2·235	2·264
	22	2·376	2·371	2·361	2·354	2·348	2·340	2·327	2·320	2·331	2·345	2·356	2·382
	23	2·301	2·296	2·289	2·284	2·280	2·276	2·274	2·262	2·260	2·256	2·268	2·277
	24	2·174	2·167	2·152	2·140	2·136	2·112	2·078	2·062	2·066	2·050	2·038	2·041
	25	1·857	1·850	1·854	1·859	—	—	1·884	1·884	—	1·913	1·933	1·963
	26	2·124	2·132	2·132	—	—	—	—	—	—	—	—	—
	27	—	—	—	2·218	2·218	2·203	2·183	2·179	2·188	2·197	2·221	2·253
	28	2·337	2·343	2·346	2·349	2·343	2·344	2·344	2·349	2·351	2·363	2·378	2·394
	29	2·323	2·313	2·299	2·288	2·270	2·258	2·243	2·232	2·222	2·216	2·220	2·218
	30	2·076	2·075	2·069	2·066	2·062	2·061	2·063	2·065	2·078	2·082	2·108	2·112
Hourly Means	1·9895	1·9891	1·9844	1·9908	1·9920	1·9846	1·9693	1·9673	1·9891	1·9890	1·9905	2·0015	

* Good Friday.

BAROMETRIC PRESSURE.												
Barometer at 32° = 28 English inches + the numbers in the Table.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
—	—	—	—	—	—	—	—	—	—	—	—	1.9077
1.937	1.942	1.898	1.873	1.863	1.829	1.809	1.792	1.785	1.784	1.784	1.796	1.6547
1.682	1.656	1.634	1.590	1.567	1.538	1.526	1.534	1.551	1.537	1.556	1.578	1.7575
1.751	1.784	1.810	1.819	1.855	1.871	1.888	1.903	1.955	1.992	2.024	2.093	2.2504
2.350	2.354	2.350	2.323	2.286	2.284	2.262	2.247	2.252	2.263	2.271	2.282	2.1679
2.224	2.207	2.172	2.156	2.133	2.118	2.094	2.070	2.055	2.041	2.033	2.033	1.7309
1.750	1.729	1.687	1.642	1.623	1.578	1.534	1.498	1.482	1.485	1.513	1.550	1.8053
—	—	—	—	—	—	—	—	—	—	—	—	1.8573
1.891	1.900	1.877	1.878	1.885	1.882	1.878	1.884	1.891	1.890	1.898	1.917	1.4418
1.919	1.913	1.886	1.851	1.812	1.793	1.769	1.768	1.765	1.759	1.751	1.745	1.5697
1.448	1.415	1.374	1.316	1.265	1.234	1.252	1.279	1.283	1.288	1.320	1.361	1.9267
1.648	1.662	1.655	1.652	1.648	1.637	1.640	1.635	1.634	1.648	1.682	1.710	1.7861
2.016	2.011	2.005	1.999	1.989	1.973	1.952	1.952	1.959	1.969	1.979	1.991	2.0653
1.813	1.792	1.729	1.669	1.633	1.599	1.591	1.587	1.633	1.660	1.670	1.713	1.9776
—	—	—	—	—	—	—	—	—	—	—	—	1.7221
2.163	2.146	2.113	2.063	2.029	2.012	1.989	1.981	2.005	2.013	2.021	2.021	1.9464
1.999	1.995	1.995	1.981	1.970	1.951	1.943	1.939	1.931	1.937	1.933	1.935	2.2843
1.632	1.622	1.616	1.597	1.619	1.630	1.654	1.696	1.751	1.787	1.829	1.858	2.2052
2.022	2.022	2.005	1.986	1.950	1.933	1.921	1.903	1.906	1.919	1.929	1.928	1.8926
—	—	—	—	—	—	—	—	—	—	—	—	1.9551
2.377	2.386	2.392	2.382	2.382	2.385	2.383	2.385	2.405	2.407	2.422	2.430	1.9504
—	—	—	—	—	—	—	—	—	—	—	—	1.7652
2.230	2.202	2.171	2.133	2.109	2.073	2.036	2.012	1.998	1.987	1.989	1.994	1.6232
1.891	1.881	1.867	1.849	1.832	1.822	1.819	1.819	1.831	1.842	1.879	1.895	1.9530
1.979	1.989	1.999	1.995	1.993	1.973	1.967	1.977	1.983	2.005	2.019	2.027	2.0508
1.969	1.975	1.957	1.940	1.931	1.925	1.915	1.914	1.918	1.926	1.935	1.945	1.8909
1.793	1.766	1.742	1.714	1.689	1.659	1.637	1.611	1.589	1.582	1.561	1.548	1.7500
1.676	1.681	1.686	1.691	1.691	1.685	1.673	1.673	1.689	1.713	1.717	1.730	1.6861
—	—	—	—	—	—	—	—	—	—	—	—	1.7859
1.994	1.996	1.988	1.995	1.990	1.990	1.995	1.998	2.016	2.032	2.056	2.068	1.8465
2.104	2.094	2.068	2.046	2.014	1.994	1.980	1.970	1.955	1.953	1.959	1.947	2.2515
1.9303	1.9248	1.9070	1.8856	1.8703	1.8547	1.8443	1.8421	1.8488	1.8568	1.8692	1.8838	2.1570
—	—	—	—	—	—	—	—	—	—	—	—	1.8999
1.752	1.737	1.718	1.689	1.669	1.648	1.638	1.635	1.644	1.653	1.655	1.657	1.6425
1.728	1.745	1.716	1.718	1.694	1.678	1.682	1.679	1.681	1.701	1.715	1.720	1.7331
1.829	1.836	1.827	1.821	1.817	1.807	1.814	1.822	1.828	1.853	1.855	1.866	1.8907
1.776	1.779	1.781	1.787	1.796	1.831	1.866	1.920	1.959	1.998	2.032	2.063	1.8710
—	—	—	—	—	—	—	—	—	—	—	—	1.9235
2.325	2.325	2.307	2.296	2.279	2.254	2.250	2.243	2.239	2.251	2.264	2.270	2.1391
2.200	2.167	2.150	2.130	2.099	2.084	2.071	2.055	2.050	2.054	2.064	2.060	2.0235
1.945	1.927	1.905	1.851	1.818	1.783	1.765	1.741	1.723	1.725	1.727	1.753	1.7435
1.625	1.620	1.615	1.603	1.592	1.582	1.601	1.607	1.620	1.629	1.661	1.670	1.5952
1.709	1.714	1.741	1.751	1.765	1.778	1.786	1.801	1.816	1.834	1.844	1.855	1.8931
1.890	1.907	1.927	1.928	1.921	1.921	1.930	1.943	1.949	1.966	1.990	2.003	2.2378
—	—	—	—	—	—	—	—	—	—	—	—	2.3277
1.891	1.876	1.857	1.831	1.805	1.785	1.773	1.769	1.761	1.767	1.798	1.796	2.2410
1.953	1.947	1.944	1.948	1.939	1.957	1.943	1.972	1.990	2.025	2.028	2.054	2.0079
2.207	2.199	2.184	2.170	2.155	2.148	2.146	2.138	2.142	2.155	2.168	2.165	1.9643
2.062	2.044	2.029	2.003	1.963	1.941	1.924	1.907	1.891	1.895	1.899	1.890	2.2290
1.785	1.759	1.735	1.692	1.650	1.628	1.612	1.602	1.614	1.625	1.630	1.623	2.3479
1.573	1.565	1.558	1.556	1.560	1.559	1.571	1.584	1.618	1.647	1.670	1.678	2.1892
—	—	—	—	—	—	—	—	—	—	—	—	2.0967
1.948	1.944	1.948	1.942	1.923	1.915	1.907	1.919	1.927	1.951	1.984	2.013	1.9799
2.283	2.305	2.315	2.316	2.302	2.318	2.318	2.325	2.340	2.350	2.368	2.372	—
2.374	2.366	2.342	2.327	2.303	2.282	2.274	2.272	2.266	2.274	2.283	2.292	—
2.277	2.261	2.249	2.230	2.197	2.189	2.181	2.173	2.168	2.176	2.185	2.176	—
2.016	2.012	1.995	1.957	1.925	1.896	1.879	1.859	1.850	1.863	1.865	1.857	—
1.963	1.964	1.974	1.977	1.981	2.006	2.026	2.037	2.048	2.069	2.100	2.109	—
—	—	—	—	—	—	—	—	—	—	—	—	—
2.259	2.267	2.284	2.262	—	2.246	2.244	2.253	2.273	2.296	2.312	2.323	—
2.418	2.393	2.381	2.358	2.324	2.313	2.317	2.313	2.314	2.328	2.323	2.327	—
2.209	2.181	2.171	2.156	2.122	2.110	2.096	2.078	2.070	2.083	2.086	2.076	—
2.118	2.124	2.118	2.110	2.089	2.093	2.106	2.108	2.117	2.132	2.142	2.146	—
2.0044	1.9986	1.9912	1.9773	1.9475	1.9520	1.9508	1.9521	1.9576	1.9731	1.9880	1.9928	1.9799

BAROMETRIC PRESSURE.													
Barometer at 32° = 28 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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
MAY.	1	2.148	2.140	2.126	2.122	2.116	2.102	2.098	2.094	2.094	2.096	2.102	2.120
	2	2.106	2.112	2.108	2.104	—	2.082	2.084	2.086	2.098	2.102	2.108	2.118
	3	2.099	2.102	2.094	—	—	—	—	—	—	—	—	—
	4	—	—	—	1.872	1.868	1.841	1.816	1.808	1.798	1.801	1.794	1.781
	5	1.514	1.488	1.460	1.446	1.422	1.417	1.409	1.399	1.407	1.403	1.399	1.404
	6	1.347	1.341	1.324	1.317	1.303	1.293	1.263	1.233	1.213	1.174	1.186	1.168
	7	1.242	1.244	1.247	1.237	1.223	1.208	1.190	1.190	1.176	1.149	1.163	1.227
	8	1.579	1.597	1.605	1.621	1.631	1.639	1.643	1.647	1.667	1.690	1.688	1.694
	9	1.750	1.752	1.752	1.756	1.764	1.764	1.768	1.772	1.790	1.792	1.804	1.824
	10	1.830	1.829	1.832	—	—	—	—	—	—	—	—	—
	11	—	—	—	1.841	1.845	1.837	1.829	1.819	—	1.828	1.828	1.828
	12	1.726	1.724	1.711	1.709	1.709	1.703	1.687	1.679	1.681	1.678	1.684	1.692
	13	1.757	1.791	1.819	1.834	1.868	1.896	1.916	1.944	—	1.988	2.018	2.050
	14	2.056	2.050	2.054	2.066	2.078	2.084	2.092	2.103	2.134	2.178	2.211	2.251
	15	2.437	2.454	2.436	2.443	2.440	2.429	2.419	2.419	2.433	2.441	2.449	2.473
	16	2.466	2.469	2.469	2.461	2.451	2.448	2.434	2.416	2.411	2.405	2.401	2.404
	17	2.330	2.332	2.328	—	—	—	—	—	—	—	—	—
	18	—	—	—	2.250	2.244	2.241	2.231	2.227	2.234	2.244	2.253	2.269
	19	2.250	2.243	2.243	2.226	—	2.210	2.186	2.186	2.193	2.199	2.207	2.234
	20	2.272	2.276	2.278	2.284	—	2.289	2.292	2.292	2.298	2.306	2.318	2.348
	21	2.355	2.345	2.337	2.328	2.321	2.322	2.311	2.302	2.289	2.291	2.297	2.297
	22	2.178	2.174	2.156	2.136	2.089	2.094	2.066	2.043	2.028	2.014	2.008	2.004
	23	1.686	1.644	1.600	1.566	1.546	1.522	1.500	1.475	1.463	1.465	1.487	1.495
	24	1.590	1.611	1.620	—	—	—	—	—	—	—	—	—
	25	—	—	—	1.547	1.545	1.543	1.546	1.536	1.541	1.555	1.565	1.570
	26	1.655	1.653	1.652	1.652	—	—	1.671	1.669	1.678	1.690	1.706	1.719
	27	1.660	1.644	1.632	1.616	1.598	1.582	1.564	1.546	—	1.526	1.527	1.517
	28	1.364	1.360	1.346	1.336	1.304	1.295	1.277	1.274	1.274	1.274	1.267	1.266
	29	1.224	1.220	1.218	1.203	1.204	1.191	1.189	1.197	1.206	1.212	1.218	1.228
	30	1.390	1.412	1.434	1.446	1.476	1.479	1.486	1.502	1.525	1.541	1.577	1.606
Hourly Means	1.8466	1.8464	1.8416	1.8238	1.7744	1.8205	1.8064	1.8022	1.8100	1.8093	1.8179	1.8303	
JUNE.	May 31	1.828	1.849	1.863	—	—	—	—	—	—	—	—	—
	1	—	—	—	2.029	2.016	1.994	1.991	1.984	1.974	1.970	1.964	1.958
	2	1.708	1.692	1.675	1.641	1.624	1.588	1.556	1.520	1.504	1.490	1.473	1.471
	3	1.538	1.514	1.502	1.484	1.426	1.396	1.364	1.322	1.289	1.259	1.246	1.232
	4	1.398	1.408	1.412	1.410	1.414	1.416	1.414	1.416	1.424	1.424	1.414	1.381
	5	1.167	1.141	1.154	1.186	1.214	1.256	1.277	1.300	1.316	1.370	1.374	1.407
	6	1.679	1.679	1.690	1.696	1.687	1.719	1.717	1.752	—	1.765	1.805	1.835
	7	1.687	1.669	1.661	—	—	—	—	—	—	—	—	—
	8	—	—	—	1.574	1.570	1.570	1.557	1.543	1.519	1.534	1.572	1.551
	9	1.746	1.754	1.752	1.740	1.733	1.717	1.700	1.696	1.698	1.702	1.704	1.718
	10	1.623	1.619	1.597	1.595	1.596	1.594	1.600	1.613	1.642	1.741 ^a	—	—
	11	2.164	2.176	2.204	2.206	—	—	—	—	—	—	2.273	2.289
	12	2.261	2.238	2.231	2.219	2.191	2.165	2.149	2.139	2.117	2.111	2.099	2.089
	13	1.798	1.780	1.748	1.717	—	1.643	1.626	1.606	1.582	1.579	1.565	1.561
	14	1.488	1.494	1.482	—	—	—	—	—	—	—	—	—
	15	—	—	—	1.469	1.469	1.481	1.479	1.485	1.497	1.503	1.530	1.534
	16	1.696	1.708	1.700	1.714	1.714	1.712	1.708	1.697	1.697	1.693	1.689	1.684
	17	1.651	1.681	1.695	1.699	1.717	1.767	1.807	1.831	1.869	1.907	1.938	1.952
	18	2.129	2.137	2.149	2.147	2.139	2.142	2.144	2.142	—	2.150	2.154	2.162
	19	2.264	2.268	2.270	2.279	2.279	2.283	2.283	2.283	2.289	2.297	2.306	2.334
	20	2.402	2.427	2.439	2.433	2.441	2.449	2.452	2.455	2.476	2.493	2.510	2.518
	21	2.538	2.538	2.532	—	—	—	—	—	—	—	—	—
	22	—	—	—	2.357	2.439	2.338	2.326	2.313	2.311	2.304	2.304	2.308
	23	2.142	2.128	2.114	2.099	2.082	2.069	2.049	2.038	2.016	2.012	2.012	2.008
	24	1.813	1.796	1.786	1.766	1.742	1.730	1.709	1.700	—	1.684	1.675	1.669
	25	1.552	1.557	1.560	1.542	1.544	1.534	1.528	1.519	1.513	1.511	1.506	1.496
	26	1.418	1.412	1.393	1.382	1.378	1.382	1.378	1.372	1.370	1.379	1.385	1.373
	27	1.701	1.719	1.739	1.753	—	1.814	1.808	1.816	1.837	1.855	1.881	1.897
	28	1.902	1.902	1.920	—	—	—	—	—	—	—	—	—
	29	—	—	—	2.134	2.144	2.153	2.147	2.169	2.158	2.192	2.192	2.164
	30	2.024	2.019	1.987	1.968	1.942	1.930	1.896	1.866	1.860	1.848	1.830	1.804
Hourly Means	1.8199	1.8194	1.8175	1.8169	1.8005	1.7937	1.7866	1.7831	1.7708	1.7909	1.8156	1.8168	

^a Rapid rise.

BAROMETRIC PRESSURE.												
Barometer at 32° = 28 English inches + the numbers in the Table.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
2'106	2'107	2'105	2'089	2'065	2'059	2'059	2'065	2'064	2'074	2'085	2'096	2'0972
2'114	2'113	2'113	2'098	2'081	2'073	2'072	2'070	2'070	2'075	2'085	2'091	2'0940
—	—	—	—	—	—	—	—	—	—	—	—	—
1'776	1'744	1'716	1'671	1'636	1'609	1'595	1'561	1'551	1'553	1'535	1'521	1'7559
1'397	1'399	1'393	1'380	1'372	1'355	1'347	1'344	1'350	1'349	1'343	1'354	1'3980
1'161	1'151	1'147	1'135	1'145	1'145	1'163	1'183	1'201	1'197	1'219	1'242	1'2188
1'249	1'292	1'313	1'333	1'373	1'406	1'436	1'449	1'477	1'518	1'530	1'536	1'3087
1'687	1'679	1'673	1'662	1'657	1'643	1'651	1'659	1'675	1'701	1'719	1'732	1'6600
1'832	1'833	1'832	1'818	1'812	1'808	1'808	1'808	1'806	1'818	1'828	1'822	1'7964
—	—	—	—	—	—	—	—	—	—	—	—	—
1'813	1'800	1'790	1'756	1'746	1'735	1'715	1'710	1'711	1'718	1'730	1'729	1'7869
1'694	1'686	1'668	1'652	1'637	1'641	1'647	1'672	1'693	1'699	1'714	1'736	1'6884
2'061	2'062	2'078	2'061	2'036	2'016	2'022	2'034	2'039	2'044	2'040	2'049	1'9749
2'287	2'309	2'321	2'321	2'322	2'344	2'356	2'363	2'379	2'409	2'430	2'442	2'2350
2'482	2'492	2'477	2'463	2'461	2'452	2'452	2'444	2'434	2'439	2'448	2'459	2'4490
2'401	2'405	2'388	2'372	2'317	2'308	2'305	2'302	2'305	2'316	2'319	2'325	2'3874
—	—	—	—	—	—	—	—	—	—	—	—	—
2'274	2'282	2'267	2'252	2'239	2'226	2'226	2'225	2'231	2'237	2'242	2'248	2'2555
2'238	2'247	2'241	2'217	2'207	2'195	2'195	2'198	2'219	2'232	2'239	2'255	2'2200
2'351	2'356	2'345	2'321	2'308	2'304	2'304	2'310	2'322	2'325	2'347	2'355	2'3131
2'298	2'299	2'277	2'255	2'235	2'221	2'215	2'211	2'200	2'197	2'186	2'186	2'2790
2'000	1'987	1'960	1'918	1'889	1'867	1'835	1'806	1'794	1'781	1'751	1'724	1'9709
1'500	1'496	1'493	1'452	1'445	1'426	1'446	1'472	1'500	1'527	1'552	1'577	1'5190
—	—	—	—	—	—	—	—	—	—	—	—	—
1'573	1'579	1'575	1'567	1'560	1'557	1'559	1'581	1'593	1'601	1'627	1'643	1'5743
1'736	—	—	1'710	1'688	1'675	1'679	1'679	1'665	1'663	1'667	1'656	1'6781
1'493	1'490	1'462	1'431	1'403	—	1'377	1'365	1'355	1'353	1'362	1'362	1'4939
1'264	1'258	1'246	1'221	1'199	1'204	1'206	1'208	1'209	1'210	1'213	1'214	1'2621
1'253	1'258	1'253	1'241	1'237	1'234	1'250	1'268	1'298	1'320	1'344	1'370	1'2432
1'631	1'659	1'669	1'672	1'678	1'686	1'706	1'727	1'743	1'776	1'788	1'812	1'6005
1'8335	1'8393	1'8321	1'8103	1'7980	1'8076	1'7933	1'7967	1'8032	1'8128	1'8209	1'8283	1'8171
—	—	—	—	—	—	—	—	—	—	—	—	—
1'953	1'942	1'916	1'914	1'856	1'829	1'809	1'784	1'768	1'748	1'738	1'726	1'8918
1'467	1'470	1'453	1'448	1'460	1'464	1'488	1'504	1'515	1'532	1'537	1'544	1'5343
1'214	1'222	1'227	1'249	1'214	1'211	1'247	1'275	1'305	1'328	1'364	1'391	1'3258
1'378	1'321	1'273	1'238	1'197	1'157	1'125	1'111	1'093	1'103	1'164	1'164	1'3023
1'415	1'488	1'468	1'489	1'504	1'532	1'563	1'594	1'606	1'609	1'631	1'659	1'4050
1'858	1'857	1'838	1'798	1'785	1'739	1'741	1'715	1'703	1'703	1'693	1'702	1'7459
—	—	—	—	—	—	—	—	—	—	—	—	—
1'570	1'607	1'620	1'627	1'623	1'647	1'677	1'701	1'716	1'744	1'761	1'752	1'6272
1'715	1'718	1'702	1'686	1'650	1'634	1'632	1'600	1'632	1'620	1'617	1'639	1'6877
1'890	1'916	1'927	1'944	1'956	1'976	2'004	2'032	2'046	2'074	2'112	2'139	1'8285
2'306	2'320	2'302	2'285	2'277	2'259	2'265	2'270	2'270	2'267	2'273	2'269	2'2597
2'077	2'058	2'033	1'971	1'946	1'910	1'890	1'860	1'848	1'842	1'826	1'811	2'0450
1'552	1'543	1'507	1'474	1'444	1'426	1'425	1'432	1'429	1'458	1'468	1'490	1'5588
—	—	—	—	—	—	—	—	—	—	—	—	—
1'552	1'568	1'579	1'574	1'575	1'584	1'600	1'620	1'642	1'672	1'686	1'696	1'5525
1'642	1'600	1'555	1'529	1'481	1'492	1'536	1'596	1'626	1'652	1'652	1'650	1'6426
1'982	2'007	2'015	2'003	2'012	2'017	2'039	2'053	2'066	2'088	1'113	2'121	1'9176
2'184	2'199	2'194	2'191	2'176	2'181	2'187	2'196	2'204	2'218	2'238	2'244	2'1742
2'350	2'369	2'370	2'362	2'351	2'351	2'365	2'365	2'378	2'393	2'406	2'411	2'3294
2'524	2'545	2'539	2'527	2'507	2'503	2'505	2'513	2'517	2'523	2'529	2'535	2'4901
—	—	—	—	—	—	—	—	—	—	—	—	—
2'295	2'288	2'269	2'238	2'213	2'194	2'183	2'174	2'168	2'168	2'164	2'150	2'2926
2'002	1'990	1'964	1'930	1'901	1'876	1'862	1'849	1'848	1'845	1'836	1'830	1'9792
1'661	1'653	1'632	1'604	1'580	1'566	1'559	1'548	1'553	1'561	1'560	1'550	1'6564
1'490	1'484	1'457	1'443	1'424	1'410	1'399	1'407	1'426	1'426	1'423	1'421	1'4822
1'411	1'446	1'456	1'454	1'473	1'501	1'527	1'554	1'582	1'618	1'644	1'675	1'4568
1'889	1'886	1'884	1'874	1'862	1'850	1'850	1'835	1'847	1'870	1'870	1'886	1'8358
—	—	—	—	—	—	—	—	—	—	—	—	—
2'159	2'146	2'134	2'106	2'094	2'075	2'067	2'063	2'058	2'053	2'056	2'036	2'0927
1'778	1'743	1'706	1'646	1'603	1'591	1'553	—	1'516	1'514	1'502	1'490	1'7659
1'8198	1'8225	1'8085	1'7925	1'7755	1'7683	1'7730	1'7860	1'7832	1'7937	1'8024	1'8070	1'7987

BAROMETRIC PRESSURE.													
Barometer at 32° = 28 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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
JULY.	1	1.469	1.460	1.452	1.432	1.406	1.396	1.394	1.384	1.418	1.447	1.475	1.505
	2	1.662	1.667	1.677	1.692	1.694	1.700	1.703	1.695	1.722	1.730	1.744	1.748
	3	1.655	1.648	1.648	1.638	1.607	1.575	1.545	1.520	1.482	1.474	1.474	1.492
	4	1.480	1.471	1.487	1.472	—	1.474	1.475	1.494	1.517	1.546	1.590	1.606
	5	1.794	1.792	1.782	—	—	—	—	—	—	—	—	—
	6	—	—	—	1.948	1.950	1.958	1.960	1.956	1.960	1.962	1.960	1.960
	7	2.012	2.024	2.036	2.045	2.050	2.052	2.054	2.060	2.052	2.060	2.068	2.078
	8	2.073	2.091	2.091	2.091	2.097	2.085	2.075	2.085	2.096	2.107	2.131	2.152
	9	2.298	2.314	2.322	2.320	2.328	2.333	2.330	2.326	2.339	2.355	2.361	2.375
	10	2.373	2.373	2.369	2.354	2.335	2.337	2.327	2.317	2.319	2.319	2.313	2.311
	11	2.208	2.199	2.183	2.181	2.180	2.178	2.184	2.177	2.167	2.176	2.182	2.188
	12	2.162	2.159	2.160	—	—	—	—	—	—	—	—	—
	13	—	—	—	1.824	1.802	1.784	1.762	1.736	1.732	1.720	1.714	1.718
	14	1.756	1.760	1.775	1.763	1.789	1.818	1.844	1.853	1.869	1.878	1.894	1.910
	15	1.754	1.734	1.726	1.723	—	1.712	1.690	1.692	1.696	1.703	1.722	1.736
	16	1.954	1.962	1.970	1.979	1.979	1.974	1.968	1.960	1.960	1.960	1.963	1.979
	17	1.794	1.792	1.778	1.768	1.757	1.753	1.747	1.743	1.735	1.741	1.758	1.771
	18	1.803	1.813	1.831	1.833	1.846	1.860	1.865	1.858	—	1.892	1.909	1.918
	19	1.844	1.842	1.832	—	—	—	—	—	—	—	—	—
	20	—	—	—	2.045	2.043	2.049	2.043	2.051	2.077	2.090	2.128	2.136
	21	2.216	2.216	2.220	2.216	2.218	2.222	2.216	2.214	2.228	2.240	2.246	2.266
	22	2.222	2.216	2.216	2.201	2.197	2.185	2.171	2.162	2.164	2.169	2.172	2.164
	23	2.112	2.118	2.114	2.108	—	2.108	2.096	2.086	2.086	2.088	2.100	2.094
	24	1.968	1.958	1.936	1.934	1.922	1.910	1.878	1.869	1.873	1.858	1.844	1.848
	25	2.015	2.026	2.044	2.046	2.056	2.070	2.075	2.088	—	2.110	2.112	2.126
	26	1.926	1.893	1.872	—	—	—	—	—	—	—	—	—
	27	—	—	—	1.488	1.474	1.470	1.462	1.454	1.452	1.446	1.453	1.439
	28	1.545	1.556	1.560	1.568	1.571	1.570	1.564	1.570	1.566	1.584	1.584	1.590
	29	1.553	1.548	1.537	1.525	1.505	1.496	1.488	1.476	1.470	1.474	1.516	1.556
	30	1.780	1.797	1.809	1.795	1.769	1.772	1.758	1.741	—	1.732	1.718	1.701
	31	1.187	1.187	1.197	1.221	1.251	1.261	1.279	1.314	1.344	1.370	1.419	1.455
Hourly Means	1.8746	1.8747	1.8750	1.8596	1.8677	1.8556	1.8501	1.8474	1.8468	1.8604	1.8722	1.8823	
AUGUST.	1	1.683	1.687	1.693	1.699	1.709	1.730	1.732	1.732	1.751	1.783	1.815	1.834
	2	1.870	1.858	1.864	—	—	—	—	—	—	—	—	—
	3	—	—	—	1.270	1.248	1.224	1.204	1.190	1.208	1.243	1.284	1.330
	4	1.665	1.666	1.664	1.656	1.652	1.654	1.653	1.661	1.673	1.681	1.687	1.692
	5	1.741	1.744	1.736	1.744	1.745	1.751	1.752	1.770	1.772	1.776	1.782	1.796
	6	1.662	1.660	1.658	1.661	1.654	1.636	1.608	1.600	—	1.565	1.548	1.539
	7	1.009	0.993	0.994	1.012	1.073 ^b	1.113	1.105	1.104	1.128	1.128	1.133	1.133
	8	0.795	1.817	1.845	0.895	0.986 ^b	1.048 ^b	1.059	1.069	—	1.124	1.150	1.166
	9	1.404	1.434	1.452	—	—	—	—	—	—	—	—	—
	10	—	—	—	1.754	1.758	1.754	1.738	1.728	1.716	1.718	1.720	1.720
	11	1.554	1.526	1.510	1.490	1.433	1.416	1.386	1.364	1.355	1.339	1.317	1.300
	12	1.268	1.267	1.256	1.234	1.206	1.173	1.141	1.127	1.121	—	1.099	1.117
	13	1.497	1.519	1.531	1.547	1.570	1.582	1.590	1.585	1.587	1.596	1.600	1.600
	14	1.369	1.338	1.331	1.285	1.249	1.196	1.150	1.124	1.096	1.060	1.018	1.013
	15	1.083	1.097	1.102	1.121	—	1.120	1.119	1.131	1.149	1.161	1.185	1.217
	16	1.457	1.471	1.470	—	—	—	—	—	—	—	—	—
	17	—	—	—	1.784	1.782	1.778	1.779	1.785	1.793	1.804	1.820	1.838
	18	1.799	1.799	1.800	1.798	1.780	1.764	1.746	1.726	1.726	1.722	1.728	1.730
	19	1.573	1.559	1.564	1.570	1.570	1.578	1.566	1.570	1.580	1.592	1.604	1.617
	20	1.778	1.788	1.808	1.813	1.808	1.822	1.818	1.818	1.826	1.834	1.838	1.838
	21	1.655	1.678	1.723	1.726	—	1.758	1.783	1.834	1.852	1.884	1.928	1.973
	22	2.257	2.160 ^a	2.152	2.136	2.104	2.093	2.070	2.060	2.029	2.025	2.019	2.013
	23	1.712	1.690	1.676	—	—	—	—	—	—	—	—	—
	24	—	—	—	1.661	1.672	1.686	1.693	1.701	1.717	1.748	1.780	1.797
	25	1.790	1.802	1.788	1.776	—	1.758	1.744	1.732	1.730	1.726	1.730	1.730
	26	1.515	1.492	1.458	1.427	1.381	1.350	1.320	1.290	1.266	1.254	1.252	1.268
	27	1.391	1.387	1.384	1.368	1.000	1.382	1.387	1.393	1.408	1.440	1.474	1.514
	28	1.632	1.626	1.622	1.634	1.635	1.631	1.629	1.635	1.639	1.655	1.667	1.676
	29	1.639	1.631	1.632	1.630	1.628	1.623	1.603	1.607	1.612	1.614	1.632	1.645
	30	1.718	1.735	1.734	—	—	—	—	—	—	—	—	—
	31	—	—	—	1.579	1.563	1.547	1.499	1.480	1.461	1.445	1.477	1.502
Hourly Means	1.5583	1.5555	1.5557	1.5488	1.5548	1.5449	1.5336	1.5314	1.5498	1.5567	1.5495	1.5615	

^a Great fall of Barometer.

^b Great rise of Barometer.

^c Very low Barometer.

BAROMETRIC PRESSURE.												
Barometer at 32° = 28 English inches + the numbers in the Table.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
1.521	1.558	1.570	1.562	1.542	1.539	1.553	1.564	1.587	1.607	1.632	1.648	1.5050
1.753	1.748	1.736	1.726	1.698	1.683	1.677	1.673	1.669	1.670	1.670	1.666	1.7001
1.500	1.521	1.521	1.516	1.511	1.509	1.519	1.510	1.513	1.515	1.505	1.502	1.5375
1.628	1.640	1.654	1.650	1.667	1.684	1.704	1.720	1.740	1.770	1.778	1.785	1.6101
—	—	—	—	—	—	—	—	—	—	—	—	—
1.955	1.952	1.935	1.912	1.880	1.860	1.878	1.888	1.919	1.938	1.960	1.982	1.9184
2.088	2.093	2.077	2.074	2.058	2.054	2.057	2.060	2.068	2.077	2.085	2.089	2.0613
2.161	2.176	2.175	2.159	2.160	2.174	2.202	2.210	2.222	2.250	2.267	2.298	2.1512
2.391	2.389	2.384	2.369	2.359	2.350	2.344	2.335	2.337	2.351	2.366	2.374	2.3479
2.301	2.307	2.284	2.271	2.245	—	2.231	2.221	2.225	2.226	2.229	2.216	2.2958
2.175	2.184	2.174	2.154	2.149	2.144	2.153	2.145	2.150	2.152	2.168	2.164	2.1751
—	—	—	—	—	—	—	—	—	—	—	—	—
1.722	1.708	1.705	1.666	1.660	1.663	1.680	1.695	1.706	1.728	1.740	1.750	1.7790
1.922	1.934	1.913	1.878	1.851	1.832	1.824	1.802	1.805	1.784	1.778	1.778	1.8337
1.750	1.758	1.768	1.770	1.767	1.789	1.813	1.839	1.858	1.879	1.902	1.934	1.7702
1.981	1.968	1.942	1.934	1.870	1.840	1.834	1.826	1.815	1.814	1.805	1.804	1.9184
1.783	1.794	1.789	1.773	1.755	1.748	1.749	1.772	1.775	1.780	—	1.800	1.7676
1.922	1.927	1.909	1.882	1.858	1.847	1.843	1.834	1.835	1.841	1.840	1.839	1.8611
—	—	—	—	—	—	—	—	—	—	—	—	—
2.148	2.156	2.154	2.145	2.145	2.152	2.158	2.162	2.170	2.179	2.188	2.212	2.0895
2.270	2.276	2.269	2.255	2.227	2.214	2.211	2.208	2.213	2.219	2.223	2.226	2.2304
2.188	2.191	2.188	2.178	2.119	2.100	2.095	2.090	2.099	2.102	2.118	2.116	2.1597
2.101	2.102	2.082	2.058	2.032	2.012	1.997	1.978	1.970	1.967	1.961	1.964	2.0580
1.858	1.862	1.849	1.844	1.849	1.866	1.884	1.896	1.909	1.942	1.970	1.996	1.8968
2.128	2.132	2.120	2.102	2.051	2.020	2.006	1.978	1.972	1.960	1.949	1.940	2.0490
—	—	—	—	—	—	—	—	—	—	—	—	—
1.440	1.435	1.412	1.421	1.411	1.430	1.450	1.469	1.490	1.517	1.534	1.544	1.5159
1.593	1.616	1.611	1.586	1.575	1.559	1.548	1.538	1.543	1.553	1.562	1.565	1.5699
1.570	1.587	1.598	1.603	1.609	1.613	1.637	1.670	1.709	1.736	1.754	1.768	1.5832
1.660	1.614	1.555	1.500	1.443	1.398	1.323	1.287	1.246	1.219	1.201	1.189	1.5655
1.484	1.518	1.536	1.532	1.548	1.559	1.595	1.597	1.634	1.637	1.662	1.674	1.4359
—	—	—	—	—	—	—	—	—	—	—	—	—
1.8886	1.8943	1.8856	1.8711	1.8533	1.8323	1.8506	1.8506	1.8588	1.8671	1.8787	1.8823	1.8194
—	—	—	—	—	—	—	—	—	—	—	—	—
1.862	1.870	1.876	1.864	1.869	1.852	1.859	1.859	1.860	1.863	1.876	1.871	1.8012
—	—	—	—	—	—	—	—	—	—	—	—	—
1.361	1.386	1.405	1.443	1.461	1.482	1.513	1.551	1.581	1.603	1.632	1.654	1.4527
1.699	1.694	1.685	1.671	1.662	1.660	1.657	1.663	1.672	1.700	1.706	1.728	1.6750
1.799	1.792	1.768	1.742	1.712	1.685	1.673	1.663	1.653	1.659	1.668	1.677	1.7333
1.502	1.458	1.417	1.337 ^a	1.303	1.257	1.213	1.168	1.126	1.118	1.106	1.034 ^a	1.4274
1.116	1.109	1.076	1.015	0.969	0.945	0.917	0.870	0.835	0.802	0.787	0.783 ^c	1.0062
1.188	1.199	1.207	1.192	1.187	1.195	1.211	1.235	1.275	1.332	1.368	1.386	1.1273
—	—	—	—	—	—	—	—	—	—	—	—	—
1.718	1.706	1.684	1.638	1.615	1.590	1.585	1.585	1.576	1.575	1.573	1.559	1.6375
1.279	1.254	1.219	1.180	1.165	1.143	1.139	1.141	1.154	1.193	1.224	1.257	1.3057
1.158	1.171	1.177	1.206	1.218	1.234	1.255	1.290	1.336	1.388	1.430	1.467	1.2321
1.604	1.584	1.540	1.490	1.456	1.409	1.387	1.388	1.380	1.375	1.372	1.372	1.5067
1.003	0.983	0.966	0.939	0.934	0.936	0.952	0.959	0.978	1.021	1.051	1.068	1.0850
1.240	1.258	1.269	1.270	1.273	1.290	1.303	1.324	1.357	1.386	1.426	1.435	1.2311
—	—	—	—	—	—	—	—	—	—	—	—	—
1.850	1.831	1.838	1.812	1.792	1.785	1.780	1.767	1.778	1.792	1.798	1.799	1.7576
1.718	1.706	1.682	1.634	1.608	1.581	1.575	1.571	1.571	1.574	1.579	1.576	1.6872
1.628	1.636	1.639	1.629	1.625	1.627	1.643	1.659	1.685	1.714	1.739	1.758	1.6219
1.838	1.812	1.788	1.734	1.700	1.679	1.654	1.632	1.574	1.571	1.563	1.629 ^b	1.7485
2.018	2.044	2.062	2.079	2.077	2.084	2.104	2.122	2.135	2.155	2.163	2.254 ^b	1.9605
2.006	1.986	1.968	1.910	1.866	1.819	1.789	1.762	1.732	1.737	1.727	1.717	1.9640
—	—	—	—	—	—	—	—	—	—	—	—	—
1.813	1.813	1.805	1.798	1.766	1.764	1.761	1.767	1.760	1.768	1.779	1.782	1.7462
1.714	1.676	1.642	1.603	1.580	1.554	1.542	1.532	1.537	1.523	1.538	1.523	1.6639
1.280	1.279	1.279	1.276	1.258	1.255	1.279	1.297	1.327	1.359	1.369	1.386	1.3299
1.550	1.563	1.582	1.581	1.566	1.576	1.598	1.600	1.613	1.623	1.628	1.621	1.5056
1.674	1.670	1.653	1.633	1.606	1.602	1.602	1.608	1.603	1.619	1.639	1.642	1.6347
1.642	1.634	1.621	1.607	1.602	1.604	1.616	1.622	1.651	1.683	1.694	1.711	1.6368
—	—	—	—	—	—	—	—	—	—	—	—	—
1.531	1.567	1.598	1.587	1.602	1.625	1.617	1.639	1.645	1.653	1.645	1.638	1.5870
—	—	—	—	—	—	—	—	—	—	—	—	—
1.5689	1.5647	1.5556	1.5335	1.5182	1.5090	1.5086	1.5144	1.5152	1.5302	1.5415	1.5510	1.5420

BAROMETRIC PRESSURE.													
Barometer at 32° = 28 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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
SEPTEMBER.	1	1·628	1·618	1·612	1·611	1·653	1·665	1·662	1·682	1·700	1·726	1·760	1·795
	2	1·964	1·966	1·960	1·961	1·954	1·941	1·923	1·911	1·915	1·920	1·914	1·906
	3	1·706	1·689	1·658	1·668	1·672	1·682	1·668	1·688	1·682	1·718	1·756	1·786
	4	2·010	2·018	2·021	2·036	2·032	2·020	2·028	2·036	2·059	2·054	2·084	2·086
	5	2·232	2·237	2·250	2·267	2·278	2·288	2·291	2·307	2·322	2·332	2·366	2·385
	6	2·463	2·466	2·470	—	—	—	—	—	—	—	—	—
	7	—	—	—	2·507	2·501	2·488	2·474	2·474	2·483	2·487	2·495	2·488
	8	2·317	2·315	2·303	2·295	2·280	2·261	2·237	2·241	2·237	2·233	2·243	2·236
	9	2·064	2·050	2·029	2·014	1·995	1·970	1·936	1·923	1·907	1·885	1·889	1·880
	10	1·561	1·557	1·560	1·559	1·545	1·527	1·518	1·537	1·577	1·622	1·659	1·714
	11	1·896	1·900	1·917	1·929	1·949	1·966	1·958	1·970	1·970	1·992	2·005	2·028
	12	2·074	2·072	2·078	2·080	2·093	2·081	2·075	2·085	2·099	2·121	2·135	2·151
	13	2·066	2·068	2·050	—	—	—	—	—	—	—	—	—
	14	—	—	—	1·160	1·118	1·082	1·036	1·028	1·003	0·979	0·962	0·967
	15	1·252	1·269	1·294	1·312	1·328	1·346	1·378	1·421	1·474	1·501	1·577	1·625
	16	1·933	1·940	1·952	1·952	1·951	1·949	1·943	1·943	—	1·974	1·990	1·997
	17	1·984	1·992	1·994	1·984	1·984	1·984	1·985	1·989	2·005	2·028	2·045	2·078
	18	2·128	2·122	2·112	2·100	2·092	2·089	2·058	2·044	2·048	2·040	2·055	2·052
	19	1·926	1·930	1·915	1·907	—	—	—	1·871	1·873	1·878	1·884	1·888
	20	1·945	1·957	1·961	—	—	—	—	—	—	—	—	—
	21	—	—	—	1·880	1·878	1·882	1·870	1·865	1·872	1·880	1·882	1·878
	22	1·827	1·820	1·802	1·802	1·768	1·726	1·696	1·694	1·686	1·669	1·637	1·608
	23	1·276	1·273	1·290	1·305	1·321	1·342	1·363	1·408	1·458	1·508	1·564	1·603
	24	1·899	1·900	1·892	1·878	1·903	1·900	1·916	1·928	1·942	1·968	1·986	2·000
	25	2·042	2·032	2·045	2·047	2·045	2·041	2·041	2·025	2·037	2·053	2·026	2·041
	26	1·951	1·938	1·921	1·915	1·900	1·901	1·895	1·907	1·912	1·932	1·950	1·960
	27	2·158	2·158	2·144	—	—	—	—	—	—	—	—	—
	28	—	—	—	1·707	1·707	1·696	1·706	1·748	1·770	1·796	1·830	1·854
	29	2·128	2·144	2·148	2·147	2·145	2·133	2·121	2·116	2·120	2·126	2·134	2·125
	30	1·914	1·898	1·876	1·862	1·832	1·820	1·810	1·804	—	1·780	1·792	1·798
Hourly Means	1·9359	1·9357	1·9328	1·8802	1·8774	1·8712	1·8635	1·8710	1·8813	1·8924	1·9085	1·9203	
OCTOBER.	1	1·667	1·659	1·653	1·645	1·625	1·621	1·621	1·625	1·652	1·674	1·704	1·735
	2	1·896	1·911	1·913	1·902	1·904	1·890	1·878	1·888	1·895	1·895	1·892	1·890
	3	1·904	1·913	1·913	1·914	1·914	1·910	1·902	1·894	1·905	1·919	1·957	1·960
	4	2·120	2·132	2·132	—	—	—	—	—	—	—	—	—
	5	—	—	—	2·060	2·044	2·025	2·007	2·004	2·002	2·022	2·036	2·048
	6	2·088	2·114	2·146	2·179	2·203	2·218	2·238	2·245	2·286	2·308	2·340	2·368
	7	2·429	2·418	2·408	2·397	2·382	2·359	2·353	2·344	—	2·349	2·335	2·326
	8	1·970	1·942	1·902	1·894	1·872	1·881	1·896	1·902	1·892	1·905	1·890	1·871
	9	1·964	1·982	1·988	1·999	2·001	2·011	2·017	2·023	2·055	2·079	2·099	2·100
	10	2·141	2·125	2·125	2·115	2·092	2·076	2·074	2·076	2·094	2·112	2·108	2·108
	11	2·110	2·112	2·108	—	—	—	—	—	—	—	—	—
	12	—	—	—	1·842	1·806	1·782	1·756	1·736	1·720	1·714	1·700	1·688
	13	1·522	1·522	1·555	1·585	1·594	1·619	1·625	1·656	1·685	1·714	1·756	1·789
	14	2·068	2·078	2·091	2·105	—	2·123	2·135	2·168	2·194	2·212	2·225	2·244
	15	2·199	2·187	2·168	2·147	2·130	2·127	2·107	2·102	2·090	2·090	2·080	2·072
	16	1·891	1·879	1·875	1·880	1·870	1·872	1·906	1·928	1·950	1·977	2·003	2·008
	17	1·963	1·941	1·923	1·897	1·866	—	1·816	1·800	1·795	1·782	1·774	1·763
	18	1·561	1·554	1·554	—	—	—	—	—	—	—	—	—
	19	—	—	—	1·786	1·778	1·763	1·749	1·748	1·752	1·762	1·774	1·764
	20	1·985	1·997	2·002	1·990	1·988	1·989	1·990	1·994	1·998	2·012	2·016	2·020
	21	2·092	2·094	2·099	2·102	2·102	2·090	2·093	2·103	2·135	2·142	2·156	2·154
	22	2·142	2·124	2·124	2·115	2·112	2·098	2·093	2·041	2·072	2·072	2·061	2·051
	23	1·953	1·956	1·953	1·950	1·942	1·937	1·942	1·953	1·972	1·980	2·003	2·014
	24	1·994	1·992	1·988	1·985	—	1·983	1·977	1·982	—	2·013	2·028	2·028
	25	2·072	2·072	2·078	—	—	—	—	—	—	—	—	—
	26	—	—	—	2·098	2·017	2·003	1·988	1·974	—	—	1·981	1·973
	27	1·866	1·854	1·832	1·818	1·792	1·784	1·780	1·774	1·765	1·771	1·771	1·773
	28	1·699	1·688	1·693	1·689	1·674	1·672	1·669	1·665	—	1·673	1·676	1·663
	29	1·507	1·513	1·531	1·538	1·545	1·556	1·568	1·577	1·602	1·644	1·677	1·686
	30	1·925	1·932	1·928	1·910	1·894	1·883	1·871	1·861	1·855	1·849	1·840	1·828
	31	1·819	1·814	1·814	1·808	1·784	1·772	1·768	1·769	1·773	1·777	1·774	1·764
Hourly Means	1·9462	1·9446	1·9443	1·9363	1·9172	1·9248	1·9192	1·9197	1·9191	1·9403	1·9502	1·9514	

BAROMETRIC PRESSURE.												
Barometer at 32° = 28 English inches + the numbers in the Table.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
1'829	1'840	1'839	1'840	1'834	1'839	1'855	1'873	1'902	1'918	1'941	1'958	1'7742
1'900	1'898	1'875	1'839	1'790	1'773	1'755	1'745	1'740	1'735	1'725	1'732	1'8642
1'810	1'813	1'821	1'832	1'846	1'853	1'864	1'885	1'909	1'942	1'972	1'999	1'7883
2'112	2'102	2'095	2'085	2'075	2'092	2'104	2'125	2'146	2'161	2'178	2'207	2'0819
2'407	2'412	2'398	2'387	2'378	2'372	2'375	2'384	2'404	2'415	2'445	2'449	2'3492
—	—	—	—	—	—	—	—	—	—	—	—	2'4334
2'487	2'468	2'446	2'419	2'383	2'353	2'338	2'319	2'317	2'323	2'330	2'323	2'1920
2'233	2'204	2'175	2'146	2'123	2'102	2'079	2'068	2'065	2'071	2'072	2'071	1'8322
1'868	1'828	1'783	1'737	1'689	1'659	1'637	1'627	1'602	1'593	1'576	—	1'6764
1'732	1'736	1'749	1'736	1'727	1'739	1'749	1'762	1'793	1'833	1'860	1'881	2'0003
2'061	2'056	2'050	2'033	2'023	2'033	2'032	2'028	2'036	2'045	2'054	2'076	2'0934
2'154	2'146	2'132	2'106	2'087	2'078	2'067	2'058	2'069	2'061	2'070	2'070	—
—	—	—	—	—	—	—	—	—	—	—	—	1'1570
0'911	0'905	0'909	0'919	0'910	0'963	0'996	1'035	1'096	1'170	1'203	1'232	1'5749
1'662	1'694	1'707	1'720	1'748	1'763	1'786	1'816	1'850	1'866	1'888	1'921	1'9641
2'010	2'002	1'981	1'972	1'953	1'947	1'941	1'952	1'958	1'967	1'986	1'981	2'0557
2'082	2'099	2'106	2'108	2'111	2'104	2'098	2'096	2'105	2'121	2'129	2'125	2'0114
2'048	2'022	1'998	1'974	1'945	1'925	1'905	1'899	1'895	1'900	1'903	1'919	1'8504
1'873	1'863	1'834	1'790	1'762	1'756	1'746	1'763	1'781	1'828	1'872	1'918	—
—	—	—	—	—	—	—	—	—	—	—	—	1'8597
1'877	1'868	1'857	1'839	1'811	1'799	1'793	1'785	1'793	1'807	1'821	1'832	1'5381
1'595	1'519	1'449	1'412	1'344	1'294	1'268	1'250	1'250	1'254	1'273	1'272	1'6016
1'650	1'671	1'700	1'754	1'756	1'780	1'793	1'817	1'880	1'897	1'918	1'911	1'9613
2'001	2'004	1'996	1'987	1'983	1'977	1'977	1'983	1'995	2'006	2'024	2'036	2'0093
2'038	2'019	2'006	1'991	1'972	1'957	1'955	1'949	1'939	1'945	1'969	2'008	1'9837
1'967	1'973	1'973	1'975	1'995	2'029	2'042	2'069	2'094	2'117	2'130	2'154	—
—	—	—	—	—	—	—	—	—	—	—	—	1'9190
1'873	1'884	1'907	1'920	1'942	1'971	1'982	2'007	2'027	2'056	2'092	2'122	2'0650
2'116	2'096	2'055	2'046	2'022	1'984	1'972	1'956	1'934	1'925	1'942	1'924	1'7701
1'806	1'784	1'767	1'738	1'720	1'708	1'687	1'663	1'663	1'654	1'666	1'670	—
1'9270	1'9156	1'9080	1'8963	1'8819	1'8788	1'8768	1'8813	1'8940	1'9081	1'9242	1'9516	1'9072
1'755	1'757	1'748	1'749	1'754	1'756	1'771	1'790	1'802	1'826	1'851	1'872	1'7213
1'878	1'870	1'846	1'830	1'813	1'803	1'805	1'828	1'842	1'852	1'873	1'883	1'8699
1'969	1'964	1'955	1'969	1'979	1'978	1'997	2'005	2'034	2'065	2'091	2'106	1'9632
—	—	—	—	—	—	—	—	—	—	—	—	2'0431
2'044	2'044	2'033	2'033	2'025	2'010	2'010	2'010	2'012	2'038	2'059	2'085	2'3158
2'381	2'396	2'401	2'404	2'400	2'389	2'392	2'401	2'407	2'416	2'425	2'435	2'2456
2'313	2'275	2'225	2'182	2'157	2'120	2'092	2'064	2'056	2'037	2'031	1'998	1'8816
1'852	1'834	1'829	1'837	1'832	1'834	1'838	1'848	1'869	1'894	1'922	1'952	2'0641
2'106	2'105	2'104	2'108	2'102	2'095	2'088	2'084	2'090	2'095	2'117	2'127	2'0905
2'116	2'108	2'086	2'071	2'051	2'043	2'040	2'052	2'062	2'086	2'102	2'110	—
—	—	—	—	—	—	—	—	—	—	—	—	1'6861
1'660	1'634	1'596	1'565	1'530	1'506	1'489	1'480	1'470	1'465	1'492	1'505	1'7801
1'824	1'842	1'858	1'886	1'897	1'900	1'910	1'942	1'966	1'989	2'030	2'057	2'1816
2'256	2'228	2'227	2'217	2'202	2'194	2'193	2'191	2'200	2'203	2'212	2'210	2'0191
2'048	2'012	1'974	1'933	1'909	1'879	1'855	1'847	1'851	1'876	1'882	1'894	1'9476
2'014	2'009	2'006	1'988	1'977	1'967	1'958	1'955	1'954	1'955	1'962	1'968	1'7303
1'748	1'722	1'702	1'686	1'645	1'618	1'583	1'561	1'555	1'542	1'553	1'563	—
—	—	—	—	—	—	—	—	—	—	—	—	1'7810
1'778	1'790	1'796	1'810	1'816	1'822	1'828	1'878	1'872	1'901	1'935	1'972	2'0149
2'024	2'027	2'022	2'008	—	2'004	2'014	2'021	2'037	2'052	2'071	2'082	2'1206
2'156	2'156	2'131	2'128	2'119	2'105	2'108	2'105	2'114	2'126	2'135	2'149	2'0170
2'016	1'991	1'967	1'942	1'938	1'922	1'909	1'907	1'909	1'919	1'937	1'946	1'9669
2'010	2'001	1'981	1'967	1'949	1'944	1'938	1'944	1'960	1'968	1'989	2'000	2'0125
2'036	2'027	2'024	2'006	2'018	2'008	1'998	2'011	2'024	2'037	2'052	2'064	—
—	—	—	—	—	—	—	—	—	—	—	—	1'9450
1'967	1'946	1'912	1'895	1'877	1'859	1'851	1'847	1'845	1'855	1'874	1'875	1'7440
1'761	1'753	1'732	1'698	1'679	1'671	1'658	1'650	1'640	1'653	1'682	1'699	1'5927
1'640	1'622	1'584	1'550	1'505	1'483	1'469	1'439	1'439	1'465	1'483	1'492	1'6791
1'704	1'711	1'715	1'725	1'753	1'766	1'765	1'773	1'805	1'835	1'883	1'920	1'8318
1'817	1'795	1'773	1'754	1'761	1'765	1'768	1'767	1'784	1'792	1'798	1'814	1'7229
1'754	1'739	1'705	1'689	1'684	1'651	1'652	1'636	1'603	1'591	1'598	1'602	—
1'9491	1'9392	1'9234	1'9122	1'8989	1'8923	1'8881	1'8902	1'8964	1'9086	1'9274	1'9400	1'9242

BAROMETRIC PRESSURE.													
Barometer at 32° = 28 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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
NOVEMBER.	1	1.588	1.565	1.551	—	—	—	—	—	—	—	—	
	2	—	—	—	1.133	1.106	1.084	1.064	1.074	1.093	1.131	1.150	
	3	1.436	1.448	1.467	1.477	1.487	1.482	1.507	1.536	1.578	1.636	1.661	1.696
	4	1.888	1.878	1.873	1.864	—	1.872	1.874	1.880	1.890	1.907	1.921	1.924
	5	1.868	1.860	1.852	1.834	1.817	1.808	1.796	1.796	1.796	1.793	1.788	1.774
	6	1.524	1.489	1.464	1.422	1.401	1.371	1.347	1.322	—	1.293	1.292	1.282
	7	1.491	1.476	1.454	1.444	1.416	1.376	1.344	1.328	1.322	1.318	1.310	1.307
	8	1.503	1.520	1.541	—	—	—	—	—	—	—	—	—
	9	—	—	—	1.653	1.629	1.602	1.579	1.573	1.567	1.563	1.543	1.508
	10	1.430	1.424	1.392	1.383	1.349	1.314	1.279	1.257	—	1.211	1.153	1.135
	11	1.349	1.354	1.343	1.329	1.318	1.319	1.307	1.295	—	1.317	1.321	1.311
	12	1.362	1.365	1.361	1.345	1.333	1.335	1.358	1.376	1.411	1.437	1.466	1.495
	13	1.736	1.743	1.755	1.752	1.762	1.769	1.773	1.778	1.796	1.810	1.828	1.833
	14	1.900	1.905	1.909	1.911	1.922	1.932	—	—	1.960	1.994	2.014	2.022
	15	2.087	2.081	2.087	—	—	—	—	—	—	—	—	—
	16	—	—	—	2.126	2.127	2.126	2.122	2.118	2.122	2.126	2.124	2.131
	17	1.952	1.950	1.953	1.962	1.955	1.948	1.946	1.950	—	1.978	1.981	1.988
	18	2.027	2.026	2.032	2.024	2.022	2.018	2.011	2.013	—	2.036	2.039	2.031
	19	1.965	1.967	1.962	1.953	1.950	1.948	1.939	1.938	—	1.959	1.953	1.929
	20	1.817	1.815	1.810	1.797	1.791	1.790	1.791	1.785	1.792	1.797	1.791	1.784
	21	1.636	1.630	1.630	1.613	1.570	1.542	1.534	1.533	1.529	1.525	1.515	1.505
	22	1.350	1.340	1.324	—	—	—	—	—	—	—	—	—
	23	—	—	—	1.232	1.234	1.232	1.232	1.236	—	1.257	1.260	1.275
	24	1.310	1.299	1.300	1.301	1.301	1.283	1.280	1.296	1.310	1.329	1.349	1.358
	25	1.587	1.603	1.615	1.624	1.636	1.652	1.666	1.681	1.722	1.739	1.746	1.796
	26	1.917	1.917	1.913	1.904	1.892	1.874	1.854	1.854	1.868	1.868	1.867	1.873
	27	1.786	1.783	1.763	1.744	1.726	1.696	1.686	1.680	1.680	1.696	1.690	1.677
	28	1.500	1.511	1.523	1.512	—	1.440	1.418	1.394	1.390	1.390	1.384	1.372
	29	1.501	1.525	1.533	—	—	—	—	—	—	—	—	—
	30	—	—	—	—	1.793	1.764	1.760	1.762	—	1.745	1.727	1.718
Hourly Means	1.6605	1.6590	1.6563	1.6391	1.6320	1.6321	1.6028	1.6023	1.6368	1.6342	1.6349	1.6352	
DECEMBER.	1	1.498	1.494	1.491	1.486	1.478	1.472	1.476	1.481	1.505	1.539	1.548	1.556
	2	1.727	1.726	1.726	1.736	1.735	1.735	1.735	1.741	1.763	1.776	1.785	1.785
	3	1.895	1.909	1.897	1.890	1.899	1.884	1.881	1.898	1.908	1.912	1.903	1.897
	4	1.767	1.751	1.737	1.705	1.685	1.663	1.647	1.633	1.617	1.599	1.595	1.589
	5	1.236	1.217	1.222	1.228	1.243	1.272	1.319	1.353	1.382	1.397	1.424	1.452
	6	1.606	1.599	1.602	—	—	—	—	—	—	—	—	—
	7	—	—	—	1.182	1.171	1.156	1.144	1.126	1.107	1.091	1.071	1.032
	8	1.330	1.320	1.322	1.312	1.315	1.303	1.295	1.303	—	1.313	1.329	1.340
	9	1.608	1.621	1.631	1.643	1.667	1.682	1.702	1.720	—	1.776	1.792	1.826
	10	1.994	2.012	2.008	2.008	1.999	1.996	1.985	1.985	1.998	1.994	1.997	2.005
	11	2.041	2.039	2.038	2.032	2.016	2.016	2.019	2.019	2.038	2.048	2.064	2.063
	12	2.071	2.074	2.066	2.062	2.059	2.046	2.040	2.032	2.044	2.050	2.057	2.056
	13	2.025	2.012	2.004	—	—	—	—	—	—	—	—	—
	14	—	—	—	1.974	1.968	1.964	1.970	1.982	1.984	2.000	2.008	2.010
	15	1.961	1.964	1.958	1.940	—	—	—	1.889	1.898	1.892	1.881	1.867
	16	1.849	1.850	1.839	1.830	1.831	—	1.817	1.814	1.836	1.841	1.852	1.860
	17	1.827	1.756	1.764	1.772	1.752	1.729	1.693	1.705	—	1.725	1.739	1.749
	18	1.850	1.867	1.881	1.898	1.915	1.913	1.916	1.922	1.938	1.954	1.953	1.950
	19	1.839	1.836	1.816	1.804	1.789	1.777	1.762	1.760	1.780	1.762	1.757	1.741
	20	1.611	1.611	1.603	—	—	—	—	—	—	—	—	—
	21	—	—	—	1.683	1.665	1.647	1.615	1.605	1.593	1.577	1.564	1.548
	22	1.678	1.676	1.694	1.701	1.700	1.701	1.701	1.705	1.710	1.723	1.734	1.731
	23	1.688	1.678	1.673	1.655	1.642	1.615	1.598	1.588	1.598	1.605	1.616	1.611
	24	1.646	1.637	1.621	—	—	—	—	—	—	—	—	—
	25	—	—	—	1.615	1.619	1.625	1.635	1.647	1.661	1.663	1.678	1.680
	26	1.624	1.609	1.594	1.574	—	1.537	1.507	1.507	1.497	1.503	1.498	1.500
	27	1.589	1.584	1.590	—	—	—	—	—	—	—	—	—
	28	—	—	—	1.076	1.076	1.088	1.105	1.123	1.140	1.153	1.164	1.229
	29	1.638	1.643	1.659	1.675	1.675	1.679	—	—	1.699	1.707	1.720	1.713
	30	1.501	1.472	1.424	1.397	1.373	1.385	1.388	1.410	1.432	1.454	1.478	1.478
	31	1.519	1.490	1.469	1.440	1.398	1.368	1.336	1.332	1.262	1.284	1.214	1.162
Hourly Means	1.7161	1.7095	1.7050	1.6661	1.6529	1.6355	1.6369	1.6512	1.6691	1.6668	1.6700	1.6704	

BAROMETRIC PRESSURE.												
Barometer at 32° = 28 English inches + the numbers in the Table.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
—	—	—	—	—	—	—	—	—	—	—	—	} 1'2381
1'152	1'142	1'146	1'171	1'181	1'221	1'237	1'287	1'317	1'353	1'399	1'415	
1'714	1'741	1'733	1'740	1'736	1'746	1'752	1'782	1'810	1'825	1'856	1'863	
1'905	1'891	1'880	1'853	1'831	1'820	1'817	1'815	1'826	1'839	1'857	1'868	1'8684
1'736	1'689	1'629	1'587	1'597	1'588	1'562	1'542	1'528	1'506	1'516	1'529	1'6996
1'293	1'296	1'303	1'319	1'352	1'366	1'395	1'410	1'438	1'467	1'478	1'498	1'3836
1'302	1'313	1'305	1'303	1'296	1'308	1'322	1'324	1'360	1'402	1'445	1'482	1'3645
—	—	—	—	—	—	—	—	—	—	—	—	} 1'4907
1'493	1'446	1'440	1'387	1'388	1'362	1'378	1'405	1'408	1'421	1'426	1'442	
1'118	1'100	1'104	1'132	1'164	1'199	1'222	1'260	1'264	1'299	1'321	1'343	
1'307	1'298	1'285	1'274	1'292	1'292	1'288	1'308	1'324	1'332	1'345	1'354	1'3157
1'520	1'540	1'559	1'570	1'558	1'575	1'597	1'602	1'622	1'646	1'685	1'718	1'4932
1'837	1'835	1'834	1'815	1'815	1'801	1'792	1'804	1'823	1'859	1'867	1'896	1'8047
2'038	2'046	2'042	2'037	2'026	2'018	2'011	2'018	2'020	2'041	2'062	2'080	1'9958
—	—	—	—	—	—	—	—	—	—	—	—	} 2'0505
2'101	2'081	2'047	2'015	1'997	1'970	1'946	1'938	1'927	1'930	1'938	1'945	
1'987	1'985	1'974	1'968	1'962	1'965	1'953	1'951	1'955	1'973	2'003	2'019	
2'025	2'011	1'994	1'969	1'948	1'936	1'933	1'933	1'931	1'937	1'946	1'957	1'9913
1'915	1'895	1'859	1'838	1'813	1'799	1'788	1'778	1'780	1'789	1'805	1'811	1'8840
1'739	1'703	1'678	1'645	1'622	1'594	1'594	1'592	1'577	1'599	1'613	1'632	1'7214
1'489	1'469	1'449	1'430	1'398	1'384	1'370	1'355	1'338	1'353	1'366	1'369	1'4805
—	—	—	—	—	—	—	—	—	—	—	—	} 1'2666
1'278	1'271	1'245	1'242	1'240	1'242	1'238	1'245	1'267	1'289	1'292	1'310	
1'355	1'357	1'379	1'391	1'395	1'409	1'419	1'441	1'463	1'503	1'531	1'563	
1'808	1'825	1'840	1'853	1'853	1'849	1'855	1'871	1'880	1'893	1'900	1'911	1'7669
1'861	1'847	1'834	1'824	1'803	1'799	1'789	1'781	1'769	1'781	1'792	1'788	1'8445
1'660	1'633	1'608	1'574	1'551	1'521	1'501	1'487	1'483	1'479	1'472	1'508	1'6284
1'364	1'323	1'318	1'293	1'309	1'303	1'343	1'360	1'381	1'405	1'444	1'474	1'3979
—	—	—	—	—	—	—	—	—	—	—	—	} 1'6174
1'701	1'677	1'642	1'618	1'593	1'553	1'525	1'503	1'492	1'497	1'473	1'481	
1'6288	1'6180	1'6061	1'5952	1'5897	1'5859	1'5851	1'5917	1'5993	1'6167	1'6333	1'6502	
—	—	—	—	—	—	—	—	—	—	—	—	} 1'5540
1'570	1'574	1'572	1'572	1'570	1'574	1'574	1'598	1'624	1'659	1'682	1'702	
1'787	1'789	1'789	1'812	1'812	1'814	1'814	1'816	1'824	1'846	1'867	1'892	
1'899	1'898	1'869	1'849	1'829	1'815	1'813	1'812	1'809	1'802	1'788	1'784	1'8642
1'571	1'542	1'524	1'507	1'466	1'434	1'445	1'397	1'366	1'319	1'309	1'244	1'5463
1'459	1'466	1'473	1'486	1'485	1'495	1'508	1'518	1'532	1'555	1'579	1'598	1'4127
—	—	—	—	—	—	—	—	—	—	—	—	} 1'2208
1'080	1'105	1'117	1'141	1'175	1'191	1'214	1'225	1'253	1'277	1'302	1'333	
1'342	1'346	1'358	1'369	1'381	1'382	1'414	1'436	1'469	1'497	1'533	1'546	
1'837	1'846	1'852	1'853	1'857	1'873	1'877	1'880	1'907	1'935	1'951	1'973	1'7960
2'009	1'994	1'986	1'981	1'975	1'979	1'977	—	1'985	2'005	2'019	2'034	1'9967
2'055	2'058	2'055	2'042	2'043	2'034	2'033	2'027	2'029	2'042	2'059	2'063	2'0405
2'051	2'043	2'037	2'025	2'005	1'995	1'995	1'996	1'991	1'993	2'008	2'023	2'0341
—	—	—	—	—	—	—	—	—	—	—	—	} 1'9763
2'007	1'995	1'988	1'982	1'959	1'953	1'937	1'933	1'939	1'940	1'945	1'952	
1'843	1'823	1'812	1'789	1'790	1'771	1'791	1'798	1'810	1'820	1'831	1'847	
1'855	1'849	1'829	1'819	1'810	1'801	1'801	1'804	1'810	1'819	1'823	1'833	1'8292
1'752	1'734	1'725	1'711	1'712	1'726	1'735	1'743	1'751	1'771	1'790	1'819	1'7470
1'926	1'907	1'882	1'873	1'862	1'873	1'855	1'827	1'813	1'828	1'829	1'831	1'8860
1'725	1'705	1'689	1'669	1'650	1'637	1'635	1'619	1'613	1'617	1'610	1'601	1'7164
—	—	—	—	—	—	—	—	—	—	—	—	} 1'5881
1'534	1'521	1'507	1'526	1'530	1'530	1'558	1'580	1'589	1'614	1'648	1'656	
1'720	1'711	1'702	1'693	1'691	1'693	1'683	1'675	1'673	1'678	1'681	1'683	
1'600	1'592	1'592	1'577	1'578	1'581	1'587	1'600	1'602	1'612	1'633	1'643	1'6152
—	—	—	—	—	—	—	—	—	—	—	—	} 1'6343
1'665	1'663	1'641	1'631	1'623	1'612	1'609	1'605	1'603	1'600	1'623	1'621	
1'482	1'456	1'446	1'448	1'459	1'455	1'456	1'460	1'469	1'507	1'542	1'572	
—	—	—	—	—	—	—	—	—	—	—	—	} 1'3359
1'258	1'297	1'352	1'344	1'384	1'422	1'428	1'472	1'476	1'524	1'576	1'611	
1'687	1'665	1'654	1'642	1'626	1'590	1'573	1'561	1'548	1'546	1'522	1'517	
1'486	1'481	1'498	1'489	1'514	1'518	1'522	1'531	1'534	1'535	1'536	1'527	1'4735
1'117	1'115	1'106	1'135	1'211	1'203	1'236	1'273	1'263	1'276	1'277	1'293	1'2825
1'6661	1'6606	1'6561	1'6525	1'6537	1'6520	1'6565	1'6474	1'6647	1'6776	1'6909	1'6999	1'6683

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
JANUARY.	1	62°5	60°0	58°0	57°0	55°2	53°5	53°7	53°0	52°4	53°6	56°2	59°4
	2	58°3	57°2	57°3	56°7	57°0	57°2	57°4	57°4	58°2	59°0	62°2	64°5
	3	63°2	62°0	61°0	61°0	60°0	59°0	58°0	56°2	54°9	54°6	54°7	55°8
	4	58°0	56°3	54°7	—	—	—	—	—	—	—	—	—
	5	—	—	—	53°4	53°0	51°4	50°8	50°0	51°2	52°5	56°2	60°5
	6	60°4	59°0	58°0	57°5	57°0	57°0	—	57°0	57°0	60°6	63°4	66°6
	7	62°0	62°5	62°5	62°5	63°0	63°1	65°3	64°6	—	65°0	66°2	68°6
	8	65°7	65°5	65°2	65°0	64°0	62°8	61°6	61°0	60°6	60°0	61°3	64°8
	9	57°0	55°6	54°4	54°0	54°0	53°4	53°5	54°0	53°8	56°8	60°5	60°8
	10	59°0	57°5	56°0	54°5	53°4	53°3	52°0	52°0	51°8	54°2	58°4	62°2
	11	58°7	58°3	58°1	—	—	—	—	—	—	—	—	—
	12	—	—	—	60°5	59°8	59°0	59°0	59°0	59°6	62°0	67°0	71°5
	13	68°4	67°5	66°2	65°6	—	—	—	67°8	63°8	67°5	72°4	75°4
	14	61°2	60°7	60°4	59°9	59°6	59°0	58°5	58°2	58°0	58°0	59°0	61°3
	15	63°0	61°0	59°4	58°0	—	56°0	56°5	56°5	57°9	59°1	63°7	65°8
	16	52°5	50°5	50°5	50°2	50°3	49°9	49°2	48°2	48°0	50°4	53°6	57°4
	17	65°3	64°4	63°6	63°2	62°8	61°2	60°4	61°0	60°7	60°8	62°3	63°3
	18	56°4	56°0	56°0	—	—	—	—	—	—	—	—	—
	19	—	—	—	49°3	47°3	46°7	47°3	47°3	47°8	48°4	52°2	54°8
	20	55°7	55°3	55°1	55°3	55°6	55°0	54°8	52°0	50°0	53°0	56°8	60°0
	21	56°4	54°5	53°0	52°0	51°5	50°8	50°0	50°0	49°8	52°8	56°3	60°8
	22	60°3	58°6	56°2	56°2	56°0	55°0	55°0	54°5	54°6	57°0	61°0	64°6
	23	64°2	63°0	62°0	50°3	59°6	59°0	58°1	—	58°2	60°9	64°2	68°0
	24	68°0	66°4	66°0	66°0	65°5	65°4	65°0	65°0	64°5	63°3	63°2	62°9
	25	58°0	57°0	56°9	—	—	—	—	—	—	—	—	—
	26	—	—	—	51°2	49°8	49°2	48°4	48°0	48°2	51°5	54°2	58°5
	27	57°8	57°6	56°0	55°0	53°5	53°0	53°0	52°5	51°9	54°3	57°3	61°1
	28	59°8	57°5	56°5	55°5	54°2	53°6	53°0	52°2	52°8	53°4	57°0	59°8
	29	59°3	59°6	59°3	58°8	58°8	58°6	58°4	58°2	58°2	58°2	58°3	58°8
	30	56°8	56°5	56°2	56°2	—	56°0	56°0	55°0	54°8	55°6	56°8	58°8
	31	63°5	62°5	62°0	62°0	60°4	59°2	58°6	57°3	56°5	56°4	55°0	58°0
Hourly Means	60°42	59°35	58°54	57°66	56°72	56°43	55°74	55°69	55°20	56°99	59°61	62°37	
FEBRUARY.	1	54°4	53°9	52°0	—	—	—	—	—	—	—	—	
	2	—	—	—	51°6	50°0	50°0	49°5	49°0	49°2	49°2	—	54°7
	3	57°0	57°2	57°2	57°0	57°1	56°8	56°3	56°6	56°8	57°0	58°0	60°3
	4	60°7	59°7	58°0	58°1	57°5	56°8	56°2	55°5	55°0	57°5	60°0	66°0
	5	63°5	62°8	61°5	60°5	60°0	59°0	58°0	58°0	57°8	59°2	63°4	68°4
	6	67°0	66°2	65°6	65°2	64°9	64°1	64°0	63°8	63°7	63°8	64°0	65°0
	7	63°8	61°4	60°7	60°0	59°2	58°5	57°8	57°2	56°8	57°0	59°0	62°0
	8	56°5	55°0	55°0	—	—	—	—	—	—	—	—	—
	9	—	—	—	53°0	51°6	51°2	50°8	51°3	51°5	51°5	53°0	53°8
	10	54°0	52°2	52°2	54°5	—	52°8	52°5	51°0	50°0	50°0	50°0	50°5
	11	54°8	54°7	54°5	54°5	54°2	53°4	54°0	54°5	54°8	55°5	56°7	59°0
	12	56°5	56°0	55°5	55°0	—	—	52°7	52°0	51°8	51°7	54°2	58°2
	13	54°7	53°3	52°4	51°3	51°3	51°2	51°0	50°8	50°0	51°0	53°5	54°5
	14	56°5	54°0	52°6	52°4	—	50°5	50°0	49°6	49°8	50°8	54°0	55°2
	15	57°0	56°5	55°5	—	—	—	—	—	—	—	—	—
	16	—	—	—	56°0	55°8	55°2	54°8	54°4	54°5	54°6	55°6	57°5
	17	55°2	54°2	53°5	53°0	52°0	51°4	50°5	50°6	51°7	53°3	56°3	60°0
	18	61°7	61°1	60°4	59°9	57°1	55°0	54°5	54°2	53°7	53°2	53°7	54°3
	19	56°0	55°5	55°4	55°0	55°0	55°0	54°8	54°4	54°6	55°1	56°2	57°6
	20	63°0	63°0	63°0	63°0	62°5	61°1	60°7	61°1	60°8	61°2	61°0	58°4
	21	55°0	54°6	54°5	53°5	54°4	54°6	54°0	53°2	53°0	—	53°2	53°5
	22	58°0	57°0	56°3	—	—	—	—	—	—	—	—	—
	23	—	—	—	57°2	56°0	55°0	54°7	53°0	52°3	52°3	55°3	59°6
	24	68°5	66°0	64°5	61°5	58°3	58°8	57°2	54°8	53°3	54°5	55°8	59°8
	25	60°1	58°7	57°4	56°7	55°5	54°8	53°8	53°2	—	53°0	53°6	57°0
	26	57°5	56°7	56°4	55°8	55°0	55°0	55°2	55°4	56°1	56°2	58°0	59°3
	27	60°0	59°0	58°0	57°0	57°0	56°8	56°5	56°3	56°8	57°4	60°4	62°2
	28	60°8	59°8	59°3	59°1	58°2	57°5	56°8	56°5	56°4	56°4	57°0	60°0
Hourly Means	58°84	57°85	57°14	56°70	56°31	55°41	54°86	54°43	54°37	54°84	56°60	58°62	

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
62°2	67°2	—	68°5	70°6	72°3	72°7	71°7	68°0	64°4	62°9	60°0	61°52
67°0	69°0	72°0	74°0	76°6	77°5	80°8	80°6	79°2	73°2	68°0	64°6	66°04
56°0	59°5	61°5	65°5	67°0	69°0	71°0	73°7	72°0	70°0	65°0	60°5	62°13
—	—	—	—	—	—	—	—	—	—	—	—	—
63°8	67°0	70°0	72°5	73°0	72°8	72°4	71°5	69°2	66°0	64°0	61°8	61°33
67°3	71°7	78°7	82°2	86°0	80°0	69°0	67°0	66°5	64°5	62°8	62°0	65°70
71°5	73°0	75°7	74°8	79°7	80°8	81°3	82°2	82°1	79°7	69°8	66°7	70°55
65°5	65°5	66°5	66°5	68°2	68°8	71°0	71°0	68°6	66°0	66°5	58°2	64°99
64°6	65°5	68°8	69°2	69°4	73°4	76°0	74°0	68°0	66°5	64°5	60°8	62°02
68°8	72°7	74°2	75°3	76°3	77°5	75°6	68°0	65°2	63°2	60°7	59°3	62°55
—	—	—	—	—	—	—	—	—	—	—	—	—
76°8	81°8	83°2	86°0	88°7 ^a	84°5	82°4	81°0	75°2	73°0	71°5	69°5	70°25
80°2	88°8 ^a	75°5	80°8	80°1	75°7	71°9	66°8	64°7	63°4	62°7	62°0	70°82
64°2	67°4	70°0	71°0	72°4	71°4	73°0	71°5	68°8	65°6	64°2	62°2	63°98
68°8	72°8	72°8	—	61°8	59°5	58°2	57°0	58°0	58°5	55°0	54°0	60°60
60°3	60°0	65°2	69°7	71°5	73°4	72°2	75°2	76°7	70°3	67°2	65°7	59°92
65°0	67°8	67°0	69°0	72°6	72°6	68°6	68°6	69°0	63°2	61°0	58°0	64°64
—	—	—	—	—	—	—	—	—	—	—	—	—
57°8	59°8	62°2	62°5	64°0	63°3	64°6	63°4	62°7	58°3	56°5	56°1	55°86
62°8	65°0	66°0	67°8	—	67°0	65°8	65°5	63°4	59°8	58°6	57°4	59°03
64°2	68°3	71°0	71°8	72°2	71°0	71°5	69°6	67°5	64°3	62°2	60°9	60°52
70°2	76°0	80°0	77°0	74°2	73°5	74°4	73°3	70°7	70°0	68°0	65°6	65°08
70°3	73°5	77°2	77°5	78°0	77°0	75°2	75°4	73°0	73°4	71°0	71°0	68°26
62°7	64°3	67°3	69°8	70°0	67°5	66°0	64°0	62°5	61°5	59°5	58°5	64°78
—	—	—	—	—	—	—	—	—	—	—	—	—
63°0	64°0	66°0	68°0	68°0	67°8	67°4	67°4	66°4	62°6	60°0	58°8	58°76
64°2	68°0	69°5	71°3	—	73°0	70°0	69°0	66°5	64°0	63°0	61°5	61°00
61°7	63°0	64°8	66°8	68°1	68°6	68°2	64°4	62°2	60°8	60°2	59°1	59°72
60°0	64°0	65°0	65°4	64°3	63°2	62°9	62°3	61°6	59°7	58°4	57°7	60°37
61°2	65°2	68°8	71°2	71°4	71°0	71°0	71°0	70°0	69°0	66°5	64°5	62°59
58°3	61°2	65°8	63°2	68°0	66°5	67°4	66°0	64°6	61°4	58°0	59°8	61°32
65°50	68°22	70°18	71°43	71°68	71°80	71°13	70°04	68°23	65°64	63°25	61°34	63°12
—	—	—	—	—	—	—	—	—	—	—	—	—
58°3	58°8	61°5	63°8	64°9	66°5	67°5	67°0	65°0	61°0	58°5	57°4	57°12
64°0	67°2	68°0	70°0	70°6	70°8	71°6	72°6	73°3	67°7	64°9	62°1	62°93
65°5	68°3	71°2	74°8	76°6	78°0	77°8	79°8	77°3	74°1	68°3	64°7	65°72
72°8	77°7	81°0	79°3	80°6	81°2	77°5	76°2	73°2	71°4	70°0	68°0	68°37
66°0	67°0	68°0	68°0	71°3	74°3	76°7	79°2	78°7	72°9	67°9	65°1	68°02
64°8	66°8	69°3	71°8	74°2	73°5	71°2	69°2	70°0	65°3	61°2	58°5	63°72
—	—	—	—	—	—	—	—	—	—	—	—	—
55°0	55°0	54°5	57°5	55°8	55°6	56°1	56°2	55°1	54°2	52°6	53°7	53°98
50°8	51°4	52°3	52°7	52°8	52°6	53°3	53°3	54°7	54°3	54°2	54°8	52°47
61°5	61°3	65°0	63°2	63°0	62°0	62°5	61°0	63°0	61°0	58°0	57°0	58°30
58°2	60°0	61°0	61°3	60°4	60°9	65°8	62°6	62°6	59°9	58°3	56°6	57°78
57°5	61°5	63°0	67°5	70°7	69°9	65°8	64°2	64°0	60°9	60°9	57°7	57°86
60°7	61°8	61°6	63°6	64°8	68°0	67°0	66°0	65°2	63°0	60°0	57°5	58°03
—	—	—	—	—	—	—	—	—	—	—	—	—
60°4	61°3	63°2	67°3	68°7	66°0	66°3	65°5	64°0	60°7	58°5	57°1	59°43
63°3	66°3	71°7	73°8	78°3	78°4	69°4	64°5	63°2	62°6	62°3	61°7	60°72
55°9	56°7	57°1	57°2	57°2	57°5	58°5	58°0	58°0	57°8	57°0	56°0	56°90
60°5	62°5	63°0	64°0	65°3	66°2	65°5	65°2	64°5	63°7	63°3	63°2	59°65
58°2	59°3	62°2	63°9	64°1	65°0	61°0	61°5	63°3	60°3	59°0	56°0	61°36
55°5	57°3	60°3	64°5	64°7	65°9	66°2	63°7	62°4	60°2	58°8	58°0	57°87
—	—	—	—	—	—	—	—	—	—	—	—	—
58°2	67°2	70°5	69°3	69°0	68°6	73°0	71°6	70°5	70°5	69°5	69°0	62°23
62°5	66°0	67°0	69°5	70°3	72°0	70°2	68°8	65°6	63°3	61°6	60°7	62°94
60°3	62°2	62°7	64°7	66°7	67°1	64°8	68°3	65°0	62°7	60°7	59°0	59°90
60°2	64°5	67°2	68°7	69°5	71°5	70°6	72°0	69°0	65°0	63°0	62°0	61°66
63°5	66°0	67°0	68°0	70°0	72°2	73°3	71°8	69°5	68°1	63°3	61°4	62°98
63°3	65°5	67°5	68°0	68°8	66°7	67°0	65°2	62°8	60°5	59°0	58°2	61°26
60°70	62°98	64°82	66°35	67°43	67°93	67°44	66°81	65°83	63°38	61°28	59°81	60°47

^a Unusually high (hot wind).

STANDARD THERMOMETER.													
Hours of Mean Gottingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
MARCH.	1	57°7	58°0	58°2	—	—	—	—	—	—	—	—	
	2	—	—	—	66°3	66°1	65°7	65°7	64°2	63°3	64°8	66°5	69°3
	3	67°0	65°3	64°0	62°7	62°8	62°2	—	61°7	62°2	62°0	63°0	65°0
	4	79°6	79°4	68°5	64°0	63°2	62°0	61°0	61°0	59°7	59°3	61°4	61°1
	5	50°2	50°0	49°5	48°5	49°3	49°6	47°0	47°2	46°0	45°6	48°8	52°5
	6	50°0	48°5	47°8	47°6	47°0	46°5	46°0	45°5	—	44°5	47°0	50°5
	7	54°0	52°5	51°5	52°3	52°3	52°7	53°2	52°4	—	—	55°6	57°5
	8	64°3	61°8	60°2	—	—	—	—	—	—	—	—	—
	9	—	—	—	57°7	57°7	56°5	55°3	55°2	55°2	55°0	57°0	59°0
	10	56°5	55°5	54°7	53°8	53°5	52°1	51°6	50°7	50°0	50°0	53°0	57°0
	11	56°1	54°8	54°2	54°1	55°0	56°5	57°0	57°0	56°8	56°5	57°2	57°8
	12	64°5	60°5	59°0	57°0	56°0	55°2	54°0	53°4	52°7	51°2	52°7	56°2
	13	56°4	57°4	58°0	57°0	—	56°4	55°2	55°0	55°1	55°0	56°7	59°3
	14	58°8	57°5	56°8	56°0	56°2	56°7	56°3	56°6	57°0	58°4	58°8	60°5
	15	67°0	64°0	62°2	—	—	—	—	—	—	—	—	—
	16	—	—	—	53°0	53°2	53°5	53°7	53°8	53°7	53°7	55°2	56°7
	17	58°5	57°5	56°5	56°0	56°2	56°0	56°0	55°8	56°0	56°0	56°4	57°6
	18	58°1	57°8	58°0	57°9	—	58°0	58°0	57°4	57°0	56°8	57°2	57°2
	19	54°6	53°0	52°4	53°6	—	—	—	—	—	48°3	50°0	52°8
	20	56°4	55°7	54°8	a	—	—	—	—	—	—	—	—
	21	—	—	—	44°2	44°4	44°5	44°5	43°8	43°8	43°8	45°5	49°5
	22	52°4	52°0	52°0	—	—	—	—	—	—	—	—	—
	23	—	—	—	48°2	47°4	46°6	45°5	44°8	44°2	44°8	45°4	48°8
	24	55°7	53°8	52°3	50°9	50°3	49°8	49°2	48°8	49°0	49°0	50°2	53°0
	25	55°2	52°5	52°2	51°6	51°0	50°0	50°0	49°7	49°6	49°7	50°3	54°3
	26	53°2	53°0	52°0	51°5	51°2	50°9	51°3	51°7	51°2	51°2	51°3	55°3
	27	57°0	57°2	57°1	56°7	54°9	54°6	54°0	53°2	53°0	52°5	52°5	54°0
	28	57°0	56°8	56°6	56°0	54°5	53°0	53°0	52°6	53°1	52°6	52°9	54°2
	29	58°0	57°5	57°5	—	—	—	—	—	—	—	—	—
	30	—	—	—	52°2	52°2	52°0	52°0	51°8	51°8	52°0	52°3	53°2
	31	53°2	53°0	52°0	49°0	47°0	46°0	45°0	44°7	44°4	45°2	46°5	47°9
Hourly Means	58°06	57°00	55°92	54°31	53°70	53°58	52°80	52°83	52°95	52°41	53°74	56°01	
APRIL.	1	55°5	54°0	54°0	54°0	54°0	53°7	53°2	53°2	—	53°0	52°4	55°8
	2	55°2	55°1	54°7	55°7	54°8	54°6	54°0	54°0	53°8	54°2	54°8	57°0
	3	57°0	55°8	55°0	55°8	55°6	56°0	56°0	56°2	56°6	56°5	56°7	59°3
	4	54°5	54°5	55°2	55°4	55°8	55°5	55°2	—	—	—	55°0	56°0
	5	46°7	45°7	44°8	—	—	—	—	—	—	—	—	—
	6	—	—	—	42°0	42°5	42°0	41°0	41°0	40°7	40°3	40°9	43°9
	7	49°0	48°2	47°0	46°0	46°0	45°3	45°1	44°6	44°6	44°4	46°6	50°4
	8	56°1	56°2	56°0	55°8	54°2	53°0	52°4	52°0	—	51°8	51°7	52°7
	9	56°6	56°0	55°5	54°6	53°5	52°0	52°0	52°0	51°8	50°7	50°7	50°7
	10	51°0	50°5	51°0	51°0	50°6	51°3	50°5	50°6	50°8	51°0	51°4	52°6
	11	49°4	48°5	49°0	48°7	48°8	48°5	48°2	48°5	48°2	48°2	48°5	49°2
	12	51°0	51°6	51°2	—	—	—	—	—	—	—	—	—
	13	—	—	—	54°4	54°6	54°9	55°0	55°3	54°6	54°5	56°0	58°0
	14	60°0	59°7	58°7	58°2	57°5	57°0	56°2	55°6	55°5	55°4	56°0	58°0
	15	57°6	58°0	57°0	56°6	55°2	55°4	55°0	54°5	54°5	53°6	52°6	56°6
	16	54°5	54°5	54°7	54°8	54°6	52°7	51°6	51°5	50°8	50°0	51°0	53°6
	17	53°9	53°0	52°7	52°7	57°5	56°6	55°0	53°6	52°5	52°5	52°6	52°2
	18	70°6	70°6	71°0	71°0	68°8	67°8	64°2	62°0	61°0	61°4	60°8	61°2
	19	55°0	54°2	53°5	—	—	—	—	—	—	—	—	—
	20	—	—	—	50°4	50°2	49°5	47°8	47°4	47°3	46°8	46°6	49°0
	21	51°4	50°4	50°4	49°5	48°7	48°2	47°5	47°8	—	47°4	47°8	49°0
	22	45°5	44°2	42°5	41°5	41°0	40°5	39°3	39°2	39°0	38°8	38°8	41°4
	23	45°2	44°0	43°2	42°7	42°0	41°4	42°4	42°8	43°0	43°2	43°0	45°3
	24	46°5	45°2	45°0	43°8	43°3	42°8	42°7	43°4	44°2	43°8	44°3	46°2
	25	58°0	57°5	58°0	58°0	—	—	56°2	55°0	—	53°8	53°2	53°2
	26	49°2	48°5	47°8	—	—	—	—	—	—	—	—	—
	27	—	—	—	46°0	45°0	46°5	46°5	47°0	47°2	47°0	45°8	49°5
	28	46°2	44°5	44°2	44°0	43°2	42°3	41°8	41°3	40°6	40°2	40°4	43°2
	29	47°5	46°3	45°8	45°2	44°0	43°8	43°5	42°6	42°0	42°0	42°2	44°0
	30	52°0	51°5	50°0	49°4	49°0	48°5	48°5	48°0	47°2	47°0	47°4	48°2
Hourly Means	52°89	52°24	51°84	51°43	50°82	50°40	50°03	49°78	48°85	49°10	49°51	51°40	

^a Good Friday.

STANDARD THERMOMETER.													
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.	
21	22	23	0	1	2	3	4	5	6	7	8		
—	—	—	—	—	—	—	—	—	—	—	—	—	71.65
76.0	80.4	84.0	85.5	84.2	85.4	84.6	84.2	79.5	71.4	70.0	68.6	68.6	72.61
73.0	76.2	82.7	91.2	93.0	93.5	92.3	73.2	69.3	68.2	79.4	80.2	80.2	63.19
61.2	62.0	64.0	65.2	66.0	66.5	66.5	62.5	58.5	57.0	54.5	52.5	52.5	52.97
55.0	57.0	58.2	59.0	59.7	61.4	61.5	60.6	56.6	54.0	52.9	52.1	52.1	54.53
55.2	58.8	62.5	64.5	66.0	65.2	64.8	63.5	61.3	59.2	57.0	55.2	55.2	62.71
59.5	65.0	69.0	72.2	77.5	77.0	76.0	77.0	73.0	68.0	66.0	65.5	65.5	61.24
61.7	63.3	65.8	67.7	67.0	69.8	68.0	67.0	65.3	61.8	59.5	58.0	58.0	58.54
60.5	63.0	64.2	65.8	67.8	69.2	68.2	67.2	63.6	60.8	59.0	57.3	57.3	66.10
61.7	64.9	71.3	74.4	88.0	89.5	86.5	81.0	78.6	75.6	72.0	70.0	70.0	57.25
55.2	56.8	58.5	60.8	61.6	64.0	63.0	60.6	57.4	54.8	54.0	55.0	55.0	62.71
62.7	65.3	66.8	70.0	72.0	74.0	76.0	74.0	69.6	65.7	63.8	61.0	61.0	65.81
65.0	69.0	72.5	76.0	80.2	79.6	80.0	78.6	77.5	72.9	69.9	68.6	68.6	59.89
59.5	63.2	65.0	67.8	68.5	65.5	64.5	63.5	62.6	60.0	59.0	58.5	58.5	58.90
58.5	59.8	60.2	61.7	62.2	63.0	64.7	63.6	62.7	61.0	59.2	58.6	58.6	58.26
57.0	58.0	58.5	60.0	60.2	61.4	61.0	61.8	60.4	58.0	56.0	54.2	54.2	57.32
56.4	58.6	60.5	62.4	64.8	63.2	62.8	62.1	60.0	59.0	57.6	57.0	57.0	50.84
50.5	52.0	53.6	56.6	56.0	56.6	56.4	55.4	54.0	53.0	52.6	52.5	52.5	54.50
54.0	57.0	60.0	63.5	65.0	66.8	67.1	65.5	62.2	60.3	58.2	56.2	56.2	56.12
56.0	60.4	63.1	65.7	65.2	63.0	62.5	62.8	61.8	60.3	57.5	56.5	56.5	55.40
57.8	61.2	59.5	60.8	60.8	62.0	63.0	60.5	59.0	57.5	56.0	55.4	55.4	58.24
59.0	62.5	65.5	67.6	67.6	70.0	69.2	66.8	65.2	63.1	59.6	57.8	57.8	57.80
56.2	58.5	59.0	62.7	63.8	64.0	64.0	63.4	62.5	60.2	58.6	57.4	57.4	57.05
57.7	58.3	57.8	60.2	60.2	61.5	61.5	62.0	61.0	60.0	58.6	58.0	58.0	54.79
53.5	55.0	55.5	58.0	58.0	58.4	57.4	58.0	56.6	55.0	54.0	53.0	53.0	52.81
49.7	53.5	57.5	59.8	60.0	62.0	62.0	60.0	58.0	57.5	57.0	56.5	56.5	59.25
58.90	61.59	63.81	66.36	67.81	68.50	68.14	66.20	63.85	61.37	60.08	59.02	59.02	59.25
58.0	58.2	59.3	60.8	61.8	62.0	61.4	60.0	58.8	57.6	56.3	54.6	54.6	56.59
57.0	60.0	62.5	62.5	63.5	65.7	64.0	62.6	60.8	58.8	57.6	57.0	57.0	57.91
61.8	62.6	65.8	65.3	65.2	64.0	62.5	61.0	58.5	57.5	55.5	55.0	55.0	58.80
58.8	60.5	61.2	58.5	57.6	53.2	51.5	49.5	48.2	46.8	47.1	46.8	46.8	54.18
47.3	51.2	54.2	55.2	56.5	58.0	58.0	56.7	54.5	53.6	51.0	50.0	50.0	48.24
54.2	58.2	61.8	65.2	67.9	70.0	70.8	68.6	65.3	61.3	58.5	56.4	56.4	54.81
56.0	60.0	64.0	65.8	67.0	67.0	66.6	66.0	65.2	64.6	61.6	57.8	57.8	58.85
53.7	55.0	56.5	57.5	56.0	54.6	55.0	54.0	53.0	52.5	52.0	51.0	51.0	53.62
54.2	55.0	57.2	57.2	53.4	53.8	54.3	52.8	51.5	51.2	50.2	50.0	50.0	52.21
50.0	51.0	52.5	53.0	54.2	53.6	53.6	54.0	53.5	51.4	51.0	50.8	50.8	50.51
61.8	63.0	63.8	65.8	65.8	65.3	64.7	64.6	62.7	61.9	62.2	61.1	61.1	58.91
60.6	61.5	62.2	62.8	64.8	65.4	65.4	62.0	60.0	58.8	58.0	57.6	57.6	59.45
58.8	61.2	63.0	64.3	64.3	64.5	63.6	61.6	58.5	56.0	54.5	54.0	54.0	57.95
56.0	59.5	62.2	65.0	67.7	70.2	71.3	65.3	63.4	59.6	57.6	55.4	55.4	57.81
56.0	61.0	68.6	73.6	76.8	77.2	76.2	75.0	73.0	71.2	70.8	70.4	70.4	62.27
62.2	63.8	64.2	65.4	65.0	63.0	62.0	61.0	59.5	58.0	56.5	55.7	55.7	63.61
53.9	57.8	61.2	63.1	63.6	60.8	59.4	58.0	56.0	53.5	53.2	51.3	51.3	53.73
50.4	50.6	52.2	52.8	54.8	55.0	54.0	52.5	51.0	50.5	50.0	49.0	49.0	50.47
44.3	47.5	51.7	54.7	55.7	56.4	55.7	54.6	52.2	49.0	47.5	46.3	46.3	46.14
47.9	51.9	54.5	56.2	58.0	59.0	58.3	56.8	54.2	51.6	50.1	48.5	48.5	48.55
48.7	53.3	54.8	58.4	60.0	65.0	65.0	63.0	61.0	61.2	60.0	58.0	58.0	51.65
55.2	58.4	60.0	59.0	58.0	56.3	57.0	56.1	53.8	51.3	50.6	49.7	49.7	55.63
51.6	54.5	57.0	59.4	58.4	58.4	59.0	58.0	54.2	52.0	49.5	48.5	48.5	50.79
46.0	49.0	54.0	56.5	57.0	57.3	56.5	54.8	52.5	51.5	49.5	49.5	49.5	47.81
45.8	48.2	51.5	53.8	56.5	58.8	57.5	56.2	55.4	54.0	53.0	52.2	52.2	48.82
50.0	51.4	53.0	55.2	55.2	52.0	52.0	51.5	51.0	50.2	50.2	50.0	50.0	50.35
53.85	56.32	58.80	60.27	61.05	61.02	60.59	59.08	57.22	55.60	54.44	53.33	53.33	54.22

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
MAY.	1	50.2	49.5	49.2	49.5	50.0	50.0	49.8	49.5	49.2	48.8	48.8	49.8
	2	50.3	50.5	50.2	49.8	—	48.0	46.6	47.4	47.7	47.8	47.8	48.3
	3	50.5	50.0	49.8	—	—	—	—	—	—	—	—	—
	4	—	—	—	45.5	45.2	44.0	42.8	42.6	42.0	41.8	41.6	42.4
	5	52.0	52.0	52.0	51.8	51.4	51.0	50.4	51.0	50.5	49.0	48.6	49.5
	6	51.8	50.8	49.8	50.2	49.8	49.2	49.0	48.0	47.5	47.3	46.8	46.4
	7	40.0	39.6	39.2	39.0	39.2	39.2	39.2	39.5	40.0	40.0	39.4	38.2
	8	41.7	41.1	40.8	40.2	40.6	40.5	40.5	40.0	39.5	39.6	40.0	41.5
	9	47.6	47.4	47.2	47.4	47.5	47.5	47.8	48.0	48.1	47.8	47.7	47.7
	10	49.5	48.8	48.6	—	—	—	—	—	—	—	—	—
	11	—	—	—	49.5	49.2	49.0	48.5	47.6	—	46.5	46.2	46.5
	12	53.6	52.8	52.2	51.8	50.6	50.0	49.6	48.5	48.6	46.2	46.7	48.6
	13	51.0	51.5	51.0	49.0	50.2	50.1	49.6	48.7	—	47.0	47.4	48.0
	14	50.8	50.6	50.6	50.5	50.6	49.6	48.5	47.0	45.0	44.8	44.2	45.5
	15	45.3	42.5	40.7	40.6	39.6	39.0	39.0	38.6	38.2	38.0	37.5	39.6
	16	39.8	39.0	39.0	38.0	37.1	37.2	36.8	36.3	36.5	36.6	36.6	38.6
	17	42.6	42.6	42.0	—	—	—	—	—	—	—	—	—
	18	—	—	—	42.5	42.0	42.0	41.5	41.0	40.2	39.7	38.9	40.2
	19	42.8	42.0	41.4	41.0	—	40.5	40.6	40.2	39.4	38.6	38.0	39.4
	20	43.3	44.1	44.6	44.1	—	43.4	43.2	43.2	43.0	42.6	43.0	44.0
	21	50.8	50.8	48.8	47.0	46.4	45.0	44.0	44.0	43.7	43.7	43.3	44.5
	22	52.0	53.0	52.2	50.5	51.0	50.0	53.0	51.4	50.8	51.2	50.5	51.2
	23	51.7	51.1	51.5	51.0	52.0	53.0	53.6	55.5	56.2	57.8	58.0	58.5
	24	51.7	50.7	49.8	—	—	—	—	—	—	—	—	—
	25	—	—	—	51.7	51.6	51.2	50.7	50.6	48.8	48.8	48.4	48.6
	26	49.6	48.3	47.6	46.7	—	—	45.6	45.0	44.8	44.2	43.2	43.2
	27	47.8	48.2	48.0	48.0	47.5	47.5	47.5	47.2	—	46.2	45.2	44.6
	28	48.5	47.5	48.0	46.4	46.6	46.1	46.1	46.0	45.6	45.0	44.8	45.2
	29	41.7	42.1	41.3	40.1	39.0	37.6	37.5	37.0	36.0	35.0	35.0	35.0
	30	48.0	48.2	47.8	47.5	47.0	46.6	46.2	46.0	45.1	45.4	46.1	44.7
Hourly Means	47.87	47.49	47.04	46.51	46.55	45.89	45.68	45.38	44.63	44.59	44.37	44.99	
JUNE.	May 31	43.0	42.5	41.6	—	—	—	—	—	—	—	—	
	1	—	—	—	38.4	37.6	36.4	35.6	35.4	34.5	34.3	34.6	35.8
	2	42.2	41.7	42.2	42.2	41.5	40.0	39.5	39.8	39.0	40.0	41.2	41.8
	3	45.4	45.8	45.0	44.6	43.7	44.3	44.3	43.6	43.2	43.0	43.0	42.5
	4	44.7	44.6	45.1	45.2	44.8	44.6	45.0	45.0	45.6	45.4	46.0	48.0
	5	52.0	51.6	51.0	50.6	48.0	46.2	45.5	45.0	45.3	44.4	42.5	43.2
	6	45.0	45.0	45.6	46.0	47.8	48.3	48.2	49.4	—	50.0	49.0	49.8
	7	54.7	54.6	53.8	—	—	—	—	—	—	—	—	—
	8	—	—	—	52.0	52.5	52.3	53.2	53.2	51.7	51.7	50.2	49.8
	9	51.0	51.5	51.6	52.0	52.6	52.5	53.6	53.8	52.9	52.0	53.0	53.2
	10	52.4	52.6	52.3	51.6	51.8	52.0	51.4	50.2	49.4	48.4	47.0	46.5
	11	41.0	41.4	41.2	40.4	—	—	—	—	—	—	36.0	36.2
	12	37.5	36.5	35.4	35.8	36.0	36.2	36.2	36.8	36.7	36.7	36.7	36.0
	13	42.2	41.8	41.2	40.8	—	39.7	39.1	38.5	38.0	37.8	38.0	38.2
	14	44.3	41.5	41.0	—	—	—	—	—	—	—	—	—
	15	—	—	—	40.6	40.2	39.7	39.3	38.7	38.4	38.2	38.0	38.4
	16	44.6	44.1	45.2	45.4	45.2	45.0	44.8	44.0	43.5	43.0	43.2	42.8
	17	41.0	41.0	40.4	40.6	41.0	41.2	41.2	42.0	42.8	42.4	41.2	40.7
	18	41.1	41.8	41.5	40.1	38.2	37.6	37.2	37.0	—	37.4	37.6	38.0
	19	44.0	43.3	42.5	42.2	42.0	41.3	41.2	41.6	41.7	41.3	41.4	40.0
	20	38.6	37.0	36.2	36.0	35.4	34.6	34.0	33.5	33.3	32.8	33.0	33.4
	21	38.2	38.0	38.0	—	—	—	—	—	—	—	—	—
	22	—	—	—	42.0	41.6	40.8	40.2	39.4	38.6	38.0	37.8	37.2
	23	42.8	43.6	43.6	42.2	41.0	40.0	39.2	38.5	39.1	37.9	37.7	36.9
	24	42.3	41.2	41.0	40.8	40.6	39.7	38.4	37.0	—	35.0	34.0	34.8
	25	38.3	37.6	36.8	36.4	35.6	35.8	35.6	35.2	35.8	35.8	35.7	35.8
	26	48.2	49.6	50.4	49.6	49.0	48.2	48.0	47.2	47.2	47.3	45.5	45.6
	27	47.1	46.3	46.8	46.2	—	44.8	44.5	44.2	44.0	43.6	42.0	42.0
	28	47.9	47.6	47.2	—	—	—	—	—	—	—	—	—
	29	—	—	—	53.8	52.6	52.0	52.2	51.8	51.5	50.7	49.8	50.3
	30	51.8	51.2	50.2	50.0	49.6	49.6	49.6	49.4	49.6	49.8	50.0	50.4
Hourly Means	44.68	44.36	44.11	44.06	43.84	43.31	43.08	42.81	42.81	42.28	41.70	41.82	

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
50.9	53.2	55.0	54.5	54.0	54.0	54.5	53.6	52.7	51.8	49.6	49.9	51.17
50.0	52.0	53.0	54.0	54.0	53.6	53.0	52.6	52.0	51.4	51.0	51.0	50.52
—	—	—	—	—	—	—	—	—	—	—	—	—
45.0	49.0	50.5	54.5	57.3	57.5	56.8	55.5	54.5	53.3	53.0	52.8	49.08
52.8	56.5	59.8	62.5	64.6	62.8	62.4	60.0	56.8	55.0	54.2	53.5	54.59
47.8	47.4	49.0	47.5	49.0	47.5	48.0	45.0	43.0	41.8	41.0	42.0	47.32
40.6	44.0	44.5	43.6	44.8	45.0	43.8	43.4	42.8	42.3	41.4	41.0	41.24
43.3	47.2	49.4	51.0	51.2	50.6	50.8	49.8	48.8	48.2	48.0	47.4	44.65
48.8	50.4	51.4	52.2	52.5	52.4	52.0	51.8	51.0	50.2	50.0	49.8	49.34
—	—	—	—	—	—	—	—	—	—	—	—	—
50.3	52.4	56.4	60.0	61.4	61.4	60.8	59.5	57.2	56.0	55.2	54.6	52.83
52.4	55.8	59.0	59.8	61.0	61.0	60.5	58.2	57.5	54.5	53.5	52.0	53.52
49.0	50.0	50.6	53.2	54.5	56.3	55.5	54.7	52.8	51.7	51.0	50.7	50.02
48.2	51.5	51.4	53.6	53.6	52.8	51.0	49.6	48.2	47.8	48.0	47.6	49.21
42.2	45.0	47.0	49.0	51.5	52.2	51.5	49.0	46.2	44.0	42.0	41.0	43.30
41.6	44.5	47.0	53.0	55.0	56.0	55.7	53.2	49.4	46.3	44.6	42.7	43.35
—	—	—	—	—	—	—	—	—	—	—	—	—
43.0	46.4	49.6	51.0	51.5	52.2	51.5	50.0	47.5	45.6	44.2	43.5	44.63
42.4	44.0	47.2	49.5	51.8	51.2	50.7	49.4	48.3	46.7	45.6	43.4	44.09
45.2	47.0	49.6	53.5	54.8	54.6	54.0	52.0	51.0	51.2	51.2	51.0	47.55
46.0	50.2	53.0	55.0	57.7	59.0	57.0	55.5	53.5	53.0	53.0	53.0	49.91
50.8	51.5	52.5	54.0	55.3	55.8	56.3	57.2	55.4	54.4	54.1	52.8	52.79
60.2	61.0	60.5	62.9	64.9	64.5	65.3	63.4	60.9	58.5	56.9	54.7	57.65
—	—	—	—	—	—	—	—	—	—	—	—	—
49.4	50.0	51.0	54.2	56.0	56.2	56.0	54.0	51.8	50.3	49.8	49.8	51.30
44.5	—	—	48.0	49.4	51.0	51.0	50.6	50.0	48.6	48.6	47.8	47.38
46.4	47.8	50.0	52.5	53.5	—	53.0	51.5	50.0	48.0	48.0	47.0	48.43
47.2	47.2	47.5	48.2	48.7	47.4	45.6	45.0	44.1	43.2	41.5	42.0	45.97
38.2	40.4	42.9	45.4	48.0	49.0	48.6	48.2	48.8	48.8	48.4	48.2	42.17
45.8	47.0	47.8	47.6	46.2	47.2	46.4	45.2	44.0	45.2	42.8	42.6	46.10
47.00	49.26	51.02	52.70	53.93	54.05	53.53	52.23	50.70	49.53	48.72	48.15	48.43
—	—	—	—	—	—	—	—	—	—	—	—	—
36.7	39.3	43.2	46.4	48.2	48.6	48.4	46.0	44.2	43.6	43.0	41.6	40.79
42.6	43.6	44.6	47.6	48.5	49.0	50.2	49.6	49.0	48.2	46.4	45.0	43.97
46.0	52.0	56.0	56.0	56.4	56.7	53.7	51.5	48.7	47.8	47.4	45.1	47.74
49.3	53.7	55.0	56.0	57.2	56.6	55.8	55.8	55.2	55.0	53.4	52.8	49.99
45.4	45.6	45.2	46.2	48.6	47.6	45.2	45.0	43.8	43.0	43.0	44.0	46.16
52.0	54.0	55.6	56.0	57.5	57.9	57.6	56.9	56.5	56.3	56.2	55.0	51.98
—	—	—	—	—	—	—	—	—	—	—	—	—
53.2	52.4	50.4	49.6	48.5	51.2	51.0	50.0	50.0	49.5	49.2	49.4	51.42
54.2	54.8	56.0	56.2	57.7	57.0	57.0	55.8	55.0	52.8	53.3	52.7	53.84
47.3	47.0	48.0	48.7	47.4	46.8	43.6	44.4	43.0	42.2	42.2	41.4	47.82
39.4	42.6	45.4	47.4	46.0	46.5	45.8	44.6	44.0	40.5	39.4	39.0	42.04
36.8	39.4	41.5	43.8	45.0	45.4	45.4	44.8	44.0	43.2	42.8	41.4	39.58
40.0	42.8	44.2	44.4	46.9	49.0	49.4	47.2	45.2	44.6	43.8	45.7	42.54
—	—	—	—	—	—	—	—	—	—	—	—	—
39.0	39.2	41.0	43.0	45.4	45.0	45.6	45.9	45.0	45.2	45.7	44.9	41.80
42.0	45.3	49.7	45.3	46.2	44.5	42.2	42.0	41.8	42.0	41.4	41.0	43.92
42.6	42.0	40.8	44.8	44.2	44.2	44.0	42.0	41.8	40.6	40.7	40.3	41.81
39.4	41.0	42.5	45.0	46.0	45.0	45.4	45.2	45.0	44.5	45.0	44.8	41.58
41.2	42.7	45.1	46.6	45.6	46.4	46.4	45.4	44.8	43.8	42.4	40.4	43.07
35.0	37.4	39.0	41.0	42.5	43.0	42.5	41.5	40.0	39.0	39.0	38.8	37.35
—	—	—	—	—	—	—	—	—	—	—	—	—
39.8	42.0	43.8	45.4	47.0	47.6	47.0	46.2	45.0	44.2	44.0	43.6	41.89
38.8	41.3	45.5	48.8	50.4	50.0	50.0	48.2	46.0	44.0	43.0	43.0	42.98
36.8	39.8	43.0	44.2	47.3	48.9	49.0	46.8	43.5	41.9	40.0	38.6	41.07
36.8	37.6	38.5	39.0	40.0	40.4	40.8	40.4	40.0	40.2	40.8	41.6	37.94
47.2	49.2	47.6	49.0	51.0	50.2	49.0	48.4	47.5	47.8	47.0	46.8	48.18
44.0	45.6	45.8	48.8	49.8	49.3	49.2	47.8	47.8	47.7	48.1	48.2	46.24
—	—	—	—	—	—	—	—	—	—	—	—	—
53.0	54.8	56.5	58.0	60.0	59.8	58.5	56.5	54.5	54.0	53.0	52.0	53.25
51.2	53.0	54.0	55.5	56.4	56.6	56.2	55.0	54.2	52.8	52.7	52.2	52.12
43.45	45.31	46.84	48.18	49.22	49.35	48.80	47.80	46.75	45.94	45.50	44.98	45.04

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
JULY.	1	52°3	51°3	51°4	51°5	51°8	52°0	52°2	52°0	51°7	51°0	50°4	49°8
	2	47°2	46°4	45°5	45°0	44°6	44°5	43°2	42°8	42°6	41°8	41°4	41°7
	3	42°5	42°7	43°0	43°0	43°4	43°6	44°4	45°6	44°6	44°4	43°8	44°9
	4	46°6	47°2	46°2	48°0	—	47°7	47°4	47°0	45°8	45°0	44°3	44°4
	5	41°2	40°6	40°1	—	—	—	—	—	—	—	—	—
	6	—	—	—	38°8	38°0	38°2	38°7	38°7	38°2	38°0	37°6	39°0
	7	43°6	43°9	43°2	42°4	42°4	42°5	42°4	42°2	42°0	42°0	42°0	42°2
	8	48°4	48°6	48°6	48°8	48°8	50°0	50°0	50°0	49°3	49°2	48°7	47°6
	9	45°2	44°2	41°0	42°0	42°7	42°2	41°2	40°8	39°8	38°6	38°5	39°8
	10	38°6	37°7	37°6	36°7	36°5	36°5	36°0	35°7	35°4	35°2	35°2	36°0
	11	36°6	36°4	36°0	35°8	35°6	35°5	34°0	33°6	33°1	32°8	32°7	32°8
	12	40°0	40°0	39°5	—	—	—	—	—	—	—	—	—
	13	—	—	—	45°0	44°8	45°8	45°4	45°2	45°2	45°2	48°7	52°8
	14	49°4	49°2	48°8	48°4	48°0	47°5	46°2	45°0	44°3	43°4	43°4	42°9
	15	46°8	47°0	47°0	46°4	—	44°8	42°7	41°6	40°8	40°0	39°8	40°6
	16	45°3	43°8	42°8	42°7	42°2	41°8	41°0	40°0	40°0	40°0	39°5	39°8
	17	40°4	40°2	40°2	41°0	41°0	40°6	39°5	39°2	39°4	38°8	38°4	39°6
	18	43°0	43°2	44°8	45°5	43°4	43°3	41°8	41°2	—	40°4	39°8	40°8
	19	40°8	41°0	41°2	—	—	—	—	—	—	—	—	—
	20	—	—	—	46°0	45°5	46°0	46°4	45°7	45°2	45°0	45°3	45°2
	21	42°5	43°0	43°5	43°6	44°1	44°3	44°2	44°0	44°0	44°0	44°4	42°4
	22	43°2	42°6	43°4	42°0	41°9	41°8	41°4	40°5	39°7	38°5	37°4	37°8
	23	38°2	38°2	37°8	37°4	—	38°0	37°6	37°3	37°8	38°4	38°7	39°2
	24	48°4	48°4	48°4	48°0	47°2	46°6	46°6	46°0	46°0	46°7	46°7	47°7
	25	46°9	45°1	43°7	42°6	40°6	40°0	39°0	37°8	—	35°6	35°5	36°8
	26	39°8	39°2	38°8	—	—	—	—	—	—	—	—	—
	27	—	—	—	44°7	44°7	45°4	45°3	45°5	44°2	43°4	43°4	44°2
	28	45°8	45°0	44°5	43°8	43°8	43°4	42°6	42°8	41°8	42°7	43°0	42°8
	29	48°6	47°6	46°4	46°0	46°6	46°2	46°2	45°3	45°5	44°6	44°9	45°3
	30	46°5	46°0	46°0	45°5	45°3	43°5	41°8	42°0	—	41°4	39°8	41°0
	31	49°2	47°7	47°2	47°6	47°0	46°6	46°0	44°6	44°5	44°2	44°0	44°3
Hourly Means	44°33	43°93	43°58	44°01	43°75	43°64	43°08	42°67	42°54	41°86	41°75	42°27	
AUGUST.	1	43°2	43°4	43°4	43°4	42°7	42°2	42°8	42°8	43°3	43°1	44°0	45°0
	2	43°0	43°0	42°5	—	—	—	—	—	—	—	—	—
	3	—	—	—	45°6	45°2	44°6	43°0	43°0	42°6	44°5	46°8	47°3
	4	42°2	41°7	41°8	42°0	42°2	41°8	41°0	41°0	40°5	40°8	41°0	42°9
	5	44°8	42°8	42°3	43°0	41°4	42°0	41°3	42°0	41°4	40°6	41°2	42°0
	6	44°7	44°6	43°8	43°4	42°5	41°2	41°5	41°7	—	39°8	39°8	40°8
	7	47°0	47°0	47°4	46°2	46°5	45°5	43°5	42°2	42°3	41°7	41°0	42°5
	8	42°0	41°4	42°8	43°0	42°6	41°5	41°4	40°7	—	39°4	38°8	39°4
	9	39°6	38°0	37°8	—	—	—	—	—	—	—	—	—
	10	—	—	—	42°5	42°0	41°8	41°2	41°4	41°8	41°5	41°3	42°4
	11	49°2	49°0	49°2	49°4	49°0	48°1	48°0	47°8	47°8	47°4	47°0	49°4
	12	47°0	45°9	45°2	45°4	45°4	45°5	45°6	45°4	45°2	—	44°8	47°3
	13	40°4	40°6	40°4	40°6	40°3	39°8	38°8	37°3	36°5	35°8	34°8	37°3
	14	47°2	47°5	46°5	45°8	45°2	43°8	44°3	41°7	43°6	43°4	44°2	47°2
	15	44°1	42°8	41°3	40°6	—	39°4	38°8	37°6	37°5	37°2	36°8	38°2
	16	40°0	39°8	39°6	—	—	—	—	—	—	—	—	—
	17	—	—	—	44°7	44°0	43°8	43°6	43°0	42°2	41°2	41°6	45°0
	18	42°8	43°0	42°0	41°0	40°8	41°0	40°0	40°2	39°5	39°0	39°5	40°0
	19	40°2	40°0	39°6	40°0	40°2	40°2	40°0	39°8	39°5	39°0	40°0	41°0
	20	43°6	44°0	44°0	43°7	42°8	43°0	43°0	42°4	41°8	41°4	41°0	42°2
	21	48°2	47°7	45°7	44°6	—	43°2	42°4	40°8	42°4	41°7	41°0	43°8
	22	38°0	38°0	38°6	37°8	36°4	35°8	35°0	35°2	35°7	36°3	37°0	37°7
	23	51°0	50°4	50°3	—	—	—	—	—	—	—	—	—
	24	—	—	—	42°0	41°6	41°2	40°4	39°6	39°7	38°8	38°5	41°3
	25	46°8	46°0	44°8	44°0	—	44°2	44°5	44°0	44°8	44°0	42°7	43°3
	26	49°2	48°2	47°2	45°5	45°0	44°1	43°3	42°7	41°8	42°2	43°2	45°4
	27	46°3	45°8	44°7	44°6	—	44°0	43°4	43°6	44°2	45°7	47°2	50°2
	28	48°2	49°2	48°0	47°8	47°7	47°7	47°5	47°3	47°5	46°6	48°3	50°7
	29	49°7	48°3	48°2	48°0	47°3	47°2	46°4	45°7	45°4	46°0	47°0	49°4
	30	46°8	46°0	44°5	—	—	—	—	—	—	—	—	—
	31	—	—	—	43°0	43°0	42°6	44°8	45°6	46°6	46°0	47°1	48°2
Hourly Means	44°82	44°39	43°91	43°75	43°35	42°89	42°52	42°10	42°23	41°72	42°14	43°84	

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
51.0	52.0	51.6	51.2	51.8	52.5	51.6	50.4	49.6	48.6	48.0	47.2	50.95
44.8	47.0	48.0	48.8	50.5	52.0	51.5	49.0	46.2	46.0	45.0	43.5	45.80
46.5	50.5	52.2	53.0	53.6	53.2	53.2	51.0	49.4	49.0	49.4	48.0	47.29
46.4	48.8	48.2	49.0	48.7	49.3	47.2	46.0	44.6	43.1	42.0	41.6	46.28
—	—	—	—	—	—	—	—	—	—	—	—	—
40.8	43.2	44.7	46.6	46.6	47.2	47.2	45.5	43.8	43.6	44.6	44.0	41.87
46.2	47.0	49.0	50.0	52.0	52.2	50.6	49.6	49.0	48.2	48.4	48.4	45.89
50.0	52.2	54.0	54.7	55.5	55.5	54.2	51.5	49.8	47.8	46.0	46.2	50.22
42.7	44.8	46.8	48.8	49.8	50.4	49.6	47.4	44.4	42.2	41.0	39.8	43.49
37.0	40.0	41.6	43.5	44.8	—	44.4	42.4	40.0	38.4	37.8	37.4	38.45
34.7	36.7	41.0	46.0	48.0	49.2	48.8	48.2	44.8	42.5	40.5	40.0	38.97
—	—	—	—	—	—	—	—	—	—	—	—	—
54.0	56.4	57.5	60.2	59.5	56.4	53.8	52.4	51.0	50.6	50.2	49.8	49.56
44.5	45.7	47.2	48.0	50.3	51.2	51.0	50.0	49.0	48.2	48.0	48.0	47.40
43.5	47.0	53.0	56.0	54.8	55.3	54.9	54.3	52.4	51.2	47.7	46.5	47.57
40.6	43.4	45.0	46.0	46.8	46.6	46.6	46.2	44.6	43.2	41.8	40.8	42.94
40.2	42.5	45.5	49.0	49.9	51.5	51.8	49.8	47.0	45.0	—	43.5	43.22
42.8	45.2	48.8	49.8	50.8	50.7	50.3	48.6	45.8	43.1	42.5	41.4	44.65
—	—	—	—	—	—	—	—	—	—	—	—	—
46.0	47.5	49.0	48.2	48.4	48.2	47.2	45.8	44.6	43.6	43.5	43.0	45.35
43.5	43.8	44.6	46.0	46.8	48.0	48.0	46.4	43.6	43.8	43.4	43.4	44.39
39.7	42.0	44.0	45.0	45.7	47.1	46.3	45.4	43.2	41.6	40.2	38.7	41.05
42.0	44.4	47.0	49.6	51.0	51.0	51.6	50.3	49.3	48.3	47.6	48.0	43.42
49.0	50.0	51.2	54.2	57.0	57.8	56.6	55.0	52.2	51.0	50.0	48.8	49.98
39.0	42.5	46.0	47.2	48.5	49.3	49.2	47.9	44.6	41.6	40.8	40.8	42.65
—	—	—	—	—	—	—	—	—	—	—	—	—
47.2	48.2	50.2	53.0	55.6	54.3	53.0	51.9	50.0	48.3	47.7	—	46.87
44.6	46.3	48.5	50.5	52.8	54.2	54.4	53.2	52.0	51.2	50.8	49.8	47.10
47.0	48.0	50.0	54.0	54.7	55.0	54.6	53.0	50.0	48.5	48.2	47.2	48.47
43.3	47.2	48.8	50.2	51.0	53.1	51.5	51.4	50.9	50.3	50.2	50.4	46.83
47.0	47.6	48.0	48.4	48.2	49.6	48.4	46.4	44.6	44.0	42.0	43.4	46.27
44.22	46.29	48.20	49.51	50.86	51.57	50.65	49.22	47.27	46.03	45.28	44.60	45.44
—	—	—	—	—	—	—	—	—	—	—	—	—
47.2	49.0	48.8	50.5	53.0	52.2	51.0	51.0	48.0	46.1	46.0	44.6	46.11
—	—	—	—	—	—	—	—	—	—	—	—	—
48.6	50.2	50.4	51.1	50.8	50.0	49.0	47.4	46.0	44.2	43.0	43.5	46.05
45.8	46.7	48.5	51.2	53.5	53.2	53.5	52.0	51.0	49.0	47.0	46.5	45.70
44.5	46.8	50.2	52.5	53.6	53.7	53.6	52.2	50.0	47.4	45.4	45.2	45.83
43.2	50.2	53.2	54.2	54.6	54.4	54.2	54.2	54.0	53.0	49.0	47.8	47.21
45.2	47.3	47.7	48.2	48.2	48.5	46.5	45.5	44.0	42.2	42.2	42.0	45.05
40.3	40.4	43.7	43.3	45.2	45.0	44.2	43.4	41.8	41.6	39.6	38.0	41.72
—	—	—	—	—	—	—	—	—	—	—	—	—
43.8	47.5	50.8	55.0	55.2	55.2	54.0	53.0	51.2	50.0	50.0	49.8	46.12
51.8	53.6	56.0	56.2	54.6	55.4	54.8	54.1	52.7	51.4	49.7	48.4	50.83
46.7	45.2	46.0	47.2	47.0	48.4	48.4	46.4	42.0	41.0	41.0	40.2	45.31
40.6	45.0	49.0	51.6	53.2	53.3	52.0	51.5	50.8	49.0	48.7	47.5	43.95
49.8	50.0	52.3	52.8	54.9	51.9	51.3	50.6	48.3	46.8	46.1	44.7	47.50
40.5	42.5	46.0	44.5	47.8	48.5	47.8	46.5	43.8	42.0	40.6	40.4	41.97
—	—	—	—	—	—	—	—	—	—	—	—	—
48.2	49.5	51.3	52.0	53.8	56.0	54.3	52.5	51.2	48.3	45.5	43.8	46.45
40.5	40.5	42.0	44.7	46.4	47.6	47.8	47.2	46.0	44.2	43.0	41.4	42.50
43.4	47.0	50.0	52.0	52.6	52.5	51.6	51.0	48.7	46.0	44.5	44.0	44.28
43.2	46.8	49.0	51.2	54.0	56.6	56.5	55.2	54.0	54.3	53.4	48.7	47.32
43.6	44.5	46.2	47.4	49.4	49.8	50.0	49.0	45.4	47.0	40.4	38.8	44.91
39.1	44.0	47.8	51.3	52.2	53.2	55.2	55.0	53.2	52.0	52.0	51.5	43.67
—	—	—	—	—	—	—	—	—	—	—	—	—
44.2	47.2	49.4	50.5	52.0	52.8	53.0	52.2	48.2	47.4	47.8	46.2	46.07
47.5	52.0	56.5	58.0	59.2	58.0	58.0	56.5	54.0	51.5	50.5	50.0	49.60
46.5	48.6	51.3	53.8	55.0	56.6	55.1	53.5	50.7	48.5	47.8	46.6	47.99
53.2	55.2	56.8	57.6	58.4	58.4	56.0	55.0	53.0	51.0	50.0	48.6	50.13
53.4	56.2	58.0	58.8	59.5	58.5	59.0	57.0	54.5	52.5	52.2	50.5	51.94
50.6	52.8	56.0	57.2	59.2	59.2	58.2	56.8	53.8	50.2	48.8	47.4	50.78
—	—	—	—	—	—	—	—	—	—	—	—	—
50.6	50.7	53.0	54.8	55.5	56.5	56.2	55.5	53.8	52.0	51.5	41.6	49.41
45.85	48.05	50.38	51.83	53.03	53.28	52.74	51.70	49.62	48.02	46.76	45.49	46.48

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
SEPTEMBER.	1	52°0	52°5	53°0	52°6	52°7	52°2	51°6	51°3	51°0	50°8	51°2	51°8
	2	50°5	49°2	48°2	47°6	47°8	48°4	49°0	48°8	49°0	49°3	49°8	51°9
	3	54°0	53°4	54°2	54°6	54°2	54°0	52°6	51°2	50°0	48°9	49°5	50°3
	4	43°2	43°0	41°5	41°0	40°8	40°4	40°6	40°0	39°8	39°9	41°4	45°3
	5	46°0	44°6	45°0	45°2	45°1	44°6	44°0	43°4	42°8	42°3	43°5	46°8
	6	48°6	47°4	47°7	—	—	—	—	—	—	—	—	—
	7	—	—	—	46°1	44°9	44°4	44°9	44°7	44°5	44°0	45°2	48°4
	8	50°4	49°5	48°5	48°1	47°2	46°4	45°0	44°6	43°2	43°0	44°5	47°2
	9	55°0	54°8	52°8	51°0	49°4	48°8	48°7	47°8	46°0	46°8	47°7	49°2
	10	60°0	59°0	57°5	56°2	55°7	55°0	53°4	52°1	50°8	48°3	48°6	48°4
	11	42°2	42°3	42°0	41°8	41°4	41°2	41°0	40°6	40°7	41°0	43°4	46°0
	12	50°0	49°6	49°4	49°0	48°2	48°3	48°0	48°0	48°0	47°6	48°0	49°7
	13	48°0	46°0	44°9	—	—	—	—	—	—	—	—	—
	14	—	—	—	55°6	56°0	55°8	57°0	55°0	54°0	53°0	53°5	56°2
	15	46°0	45°4	45°0	44°4	44°0	43°5	43°5	42°6	41°3	40°2	43°2	46°0
	16	44°8	44°0	43°0	42°8	42°5	42°2	42°4	42°7	—	43°2	46°0	49°2
	17	49°7	49°7	49°5	48°9	48°6	48°8	48°4	48°0	47°6	47°0	49°0	48°5
	18	47°2	47°2	47°0	47°0	45°8	44°0	43°0	43°5	43°2	43°6	45°5	47°4
	19	55°5	54°8	54°0	53°6	—	—	—	54°8	55°0	55°4	56°4	58°0
	20	45°8	46°5	46°3	—	—	—	—	—	—	—	—	—
	21	—	—	—	47°0	46°6	45°6	44°9	44°9	46°0	46°0	48°3	50°6
	22	49°0	48°4	47°0	46°0	45°2	44°7	44°7	45°2	45°4	45°2	46°8	49°4
	23	56°8	54°4	51°6	49°7	47°6	46°2	44°0	44°0	44°0	44°8	44°6	47°0
	24	44°8	43°6	42°4	42°0	42°0	43°8	44°8	44°7	44°8	45°7	48°6	52°2
	25	53°0	52°0	51°8	52°2	51°7	51°4	51°4	50°4	50°8	51°0	51°0	52°7
	26	56°1	55°2	54°1	53°3	53°6	54°4	56°0	56°6	57°2	56°8	58°7	57°0
	27	48°0	48°4	48°2	—	—	—	—	—	—	—	—	—
	28	—	—	—	55°8	56°4	56°6	57°2	58°3	57°4	56°2	57°2	57°8
	29	48°3	48°2	48°2	48°1	47°6	47°8	47°4	47°0	47°0	47°0	47°7	48°8
	30	50°6	51°0	50°4	50°0	50°0	50°0	50°0	49°0	—	49°2	49°3	49°7
Hourly Means	49°83	49°23	48°58	48°83	48°20	47°94	47°74	47°66	47°48	47°16	48°41	50°21	
OCTOBER.	1	52°7	52°6	52°5	52°4	52°3	52°3	51°8	51°1	51°2	51°0	53°4	56°2
	2	51°0	50°6	50°3	49°8	49°6	49°4	48°8	48°2	48°0	48°0	50°8	54°0
	3	55°6	54°3	53°6	53°2	53°0	52°7	52°5	52°3	52°0	50°4	52°0	53°8
	4	52°2	52°2	52°2	—	—	—	—	—	—	—	—	—
	5	—	—	—	54°0	53°8	53°6	53°4	52°0	51°2	51°3	52°8	54°5
	6	52°0	51°4	48°2	44°6	44°3	43°7	43°0	42°9	41°9	42°3	42°6	46°3
	7	45°2	43°8	42°0	40°2	39°0	38°1	37°4	36°6	—	36°4	39°0	42°2
	8	52°6	52°3	52°2	52°0	51°4	51°2	50°2	48°0	47°2	47°0	46°8	48°0
	9	49°0	48°8	48°8	48°0	48°4	48°5	48°0	47°8	47°6	47°8	49°3	51°7
	10	50°5	50°5	50°2	50°2	50°2	49°8	49°3	49°1	48°8	48°4	49°2	50°0
	11	51°2	51°2	51°2	—	—	—	—	—	—	—	—	—
	12	—	—	—	55°5	55°0	54°8	54°8	54°8	54°4	54°6	55°0	56°3
	13	56°2	55°5	54°0	53°0	52°1	50°7	50°4	49°6	48°4	48°0	47°6	47°4
	14	45°8	45°5	45°7	45°9	—	46°0	46°2	46°0	45°0	45°0	47°0	49°3
	15	51°0	50°0	48°2	46°2	45°2	44°3	44°4	43°6	43°2	42°9	49°0	51°3
	16	50°5	50°4	50°2	50°4	50°0	49°4	45°6	44°3	44°6	43°2	44°2	45°6
	17	46°8	47°6	47°2	46°9	46°2	—	45°4	45°0	45°3	45°8	48°2	49°2
	18	48°4	47°4	47°0	—	—	—	—	—	—	—	—	—
	19	—	—	—	42°6	41°9	41°6	42°4	42°7	43°4	44°2	48°0	52°4
	20	47°7	47°9	47°6	46°0	46°0	45°2	44°6	45°4	45°6	46°0	49°0	51°7
	21	49°4	48°8	47°0	47°8	46°8	45°5	44°2	45°0	45°7	46°3	48°6	51°3
	22	51°0	49°4	48°0	47°3	45°9	45°1	45°0	43°8	44°0	46°4	50°6	54°2
	23	55°2	54°6	53°2	52°2	51°0	49°0	47°4	46°0	45°4	46°6	49°9	52°9
	24	49°0	48°4	47°8	47°0	—	44°7	43°8	42°0	—	43°3	47°5	50°2
	25	48°0	48°0	47°8	—	—	—	—	—	—	—	—	—
	26	—	—	—	47°4	47°8	49°2	50°0	50°0	—	—	52°0	50°8
	27	66°4	66°0	65°4	65°2	65°8	66°2	65°2	65°0	64°6	65°1	67°8	70°7
	28	76°0	73°2	71°5	69°5	69°4	68°5	67°3	66°1	—	60°0	60°2	63°0
	29	76°0	74°6	72°2	71°7	67°0	64°4	61°2	60°6	61°0	63°3	65°2	66°6
	30	54°2	54°0	53°8	54°0	53°0	52°5	53°0	53°0	53°5	54°5	56°4	59°6
	31	52°5	52°2	52°0	54°2	53°8	53°4	52°2	50°2	51°4	52°0	54°6	56°7
Hourly Means	53°19	52°64	51°85	51°38	51°16	50°38	49°54	48°93	48°84	48°84	50°99	53°18	

* Omitted in the means as received at Woolwich from the Observatory; cause not stated.

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
53.2	54.0	56.2	57.8	59.3	60.4	61.5	58.8	56.5	54.0	52.4	51.4	54.09
54.0	57.0	59.5	61.5	63.5	63.3	62.9	62.7	60.8	58.0	56.8	56.0	54.40
53.7	53.6	52.7	51.8	53.5	52.2	51.8	50.0	48.0	47.0	45.0	43.5	51.24
48.0	51.5	52.8	55.8	58.2	58.4	58.2	57.0	54.8	52.4	50.4	48.2	47.61
49.2	52.2	55.5	58.2	59.1	57.3	55.5	53.3	51.1	49.9	49.1	48.7	48.85
—	—	—	—	—	—	—	—	—	—	—	—	51.26
50.7	53.0	55.8	59.1	61.3	62.3	61.6	60.2	57.7	54.7	52.0	51.0	53.32
50.6	56.0	59.0	61.2	64.0	66.2	66.6	63.6	61.6	59.6	57.4	56.4	56.37
51.8	60.2	64.3	67.0	68.2	68.0	66.0	65.2	64.0	62.8	61.0	—	51.53
51.0	49.3	51.3	53.0	53.9	52.0	52.9	48.6	48.0	45.2	43.8	42.8	46.77
48.6	51.3	51.9	54.7	54.4	53.4	52.8	52.2	52.0	47.0 ^a	50.8	50.0	52.90
52.0	55.0	58.4	59.7	61.0	62.2	62.5	61.0	58.0	54.0	52.0	50.0	53.53
—	—	—	—	—	—	—	—	—	—	—	—	46.60
57.8	58.4	58.7	59.4	59.0	58.0	53.0	52.2	51.0	48.6	47.4	46.2	49.90
47.2	49.2	50.6	52.7	51.8	50.5	51.8	51.5	50.0	48.0	45.0	44.8	48.53
51.5	54.6	57.8	58.0	59.8	60.6	58.4	57.2	54.2	51.7	51.0	50.1	52.55
51.5	49.7	47.6	47.7	48.4	48.8	48.8	48.8	48.0	47.2	47.4	47.2	59.38
51.0	54.4	57.0	60.2	62.5	64.8	65.0	65.0	62.5	60.0	57.2	57.2	51.43
60.6	65.0	67.2	70.2	71.2	71.5	69.7	67.4	64.7	50.6 ^b	46.0	45.3	54.54
—	—	—	—	—	—	—	—	—	—	—	—	47.93
52.4	54.0	56.4	58.4	60.0	60.5	60.5	59.0	57.5	55.0	52.2	50.0	51.66
50.5	55.0	60.0	64.2	67.7	68.4	68.8	68.3	65.6	63.2	60.7	59.5	57.15
48.2	48.9	48.4	44.7	50.4	49.8	52.0	50.0	47.8	46.0	45.0	44.4	55.26
55.4	57.4	59.4	59.6	60.0	61.0	62.6	62.0	58.0	56.2	54.8	54.0	51.92
55.5	58.8	59.0	64.3	67.3	66.4	69.4	68.0	64.8	61.4	59.8	57.6	49.71
61.0	65.0	61.2	59.2	57.0	54.4	52.6	51.0	50.0	49.0	48.5	48.3	51.47
—	—	—	—	—	—	—	—	—	—	—	—	51.92
58.8	54.5	51.8	50.0	49.8	50.3	50.4	50.4	49.8	49.6	49.0	48.2	49.71
49.8	50.7	52.6	52.7	53.2	53.4	52.2	52.0	51.2	50.8	50.6	50.8	51.47
50.2	51.0	52.0	52.8	53.7	54.2	54.4	54.8	54.4	52.2	52.5	52.5	51.92
52.47	54.60	56.04	57.46	58.78	58.78	58.53	57.32	55.46	53.08	51.45	50.18	51.92
54.2	55.3	56.5	57.0	57.7	56.8	56.2	55.4	56.4	54.6	53.0	52.0	53.94
56.2	59.7	62.6	61.2	61.7	59.2	59.0	57.4	55.2	53.0	52.4	56.0	53.84
57.4	59.0	61.2	62.2	58.8	56.8	56.5	55.2	54.3	52.8	52.2	52.3	54.75
—	—	—	—	—	—	—	—	—	—	—	—	54.44
56.0	56.4	57.6	55.7	57.2	58.0	58.6	57.4	56.0	53.8	53.2	53.4	46.76
47.0	48.4	49.4	50.7	50.2	50.0	49.0	48.4	47.5	46.6	46.0	45.8	46.94
46.8	48.8	50.8	52.7	57.4	57.3	55.6	56.0	54.7	53.8	53.0	52.8	50.67
51.8	54.8	55.2	53.5	51.2	50.6	51.0	51.4	50.4	49.4	49.0	49.0	50.98
53.8	53.2	52.8	53.2	54.0	55.2	57.5	57.0	53.0	50.2	50.0	50.0	52.42
52.5	55.0	58.7	60.0	59.3	58.3	56.1	55.3	52.7	51.6	51.1	51.2	59.00
—	—	—	—	—	—	—	—	—	—	—	—	50.31
60.0	64.2	66.5	68.8	68.0	65.1	64.8	64.0	63.2	62.8	62.3	57.5	50.76
47.8	48.4	50.4	46.8	50.7	52.9	52.6	51.4	50.8	48.8	47.4	46.6	52.13
52.0	54.2	56.6	58.0	58.8	57.8	57.4	56.0	54.2	52.2	51.4	51.4	48.87
54.5	57.2	60.2	61.0	64.9	66.5	61.5	58.0	53.5	52.0	51.5	51.0	50.66
48.0	49.5	51.0	52.3	52.1	54.0	53.0	51.4	49.7	48.3	47.5	47.7	49.38
50.8	54.5	56.0	56.0	55.7	54.3	57.2	58.0	55.2	53.0	51.2	49.6	49.77
—	—	—	—	—	—	—	—	—	—	—	—	52.21
54.3	57.2	56.8	56.5	54.3	55.6	54.6	55.2	52.8	50.2	48.4	47.3	55.70
53.0	55.0	55.5	55.8	—	53.8	54.2	53.2	52.0	50.6	49.6	49.4	52.28
56.8	59.2	60.8	62.3	58.8	59.8	57.0	56.0	55.2	54.2	53.5	53.0	49.56
58.2	62.2	66.0	66.6	66.3	67.2	69.2	70.2	64.2	61.2	58.5	56.3	58.31
54.7	55.8	58.0	57.7	58.0	57.0	55.8	54.6	52.0	49.6	49.2	49.0	74.44
52.3	53.2	54.0	54.7	55.0	55.2	54.0	51.8	49.8	49.5	48.9	48.3	75.48
—	—	—	—	—	—	—	—	—	—	—	—	67.40
51.2	54.8	59.5	64.0	69.8	71.4	73.0	72.4	70.4	69.8	68.2	67.4	57.91
72.8	75.7	78.8	82.3	89.0	82.2	90.2	89.0	86.0	82.5	79.6	78.0	57.05
67.5	72.2	83.3	88.2	88.3	88.5	88.3	89.2	86.4	82.6	80.0	76.8	—
70.5	70.5	74.8	77.0	75.6	74.0	73.6	63.0	62.5	59.6	57.2	55.4	—
60.4	62.2	63.8	65.7	68.1	62.6	65.8	64.8	59.0	57.0	55.0	54.0	—
59.5	63.5	64.7	66.2	65.0	61.3	59.8	60.2	59.9	59.2	57.8	57.0	—
55.56	57.78	60.06	60.97	61.77	61.05	60.80	59.70	57.67	55.88	54.71	54.01	54.66

^b Sudden and great change of temperature caused by the change of wind from N.N.W. to South.

STANDARD THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
NOVEMBER.	1	55.7	55.1	55.0	—	—	—	—	—	—	—	—	
	2	—	—	—	49.8	49.8	49.1	48.6	48.3	49.6	50.7	51.6	
	3	45.2	46.0	46.0	44.8	46.7	45.8	46.8	48.0	48.8	49.4	52.2	54.8
	4	51.3	50.2	50.1	50.0	—	49.8	49.0	49.2	50.0	52.2	55.2	58.5
	5	55.0	53.0	52.0	51.4	50.8	50.4	50.1	50.1	50.9	51.7	54.0	60.8
	6	59.0	57.5	57.0	56.0	55.0	53.8	53.6	53.6	—	51.2	49.2	48.8
	7	45.0	45.0	45.0	45.0	44.4	44.6	44.3	44.5	45.5	49.2	51.5	51.0
	8	50.8	49.7	49.3	—	—	—	—	—	—	—	—	—
	9	—	—	—	51.4	50.7	49.7	48.7	47.8	50.8	51.0	53.4	57.2
	10	58.7	57.4	56.9	56.0	55.8	54.4	53.0	52.4	—	57.0	61.0	64.0
	11	53.0	51.2	51.0	50.0	49.8	48.3	48.0	48.0	—	51.6	53.0	54.2
	12	50.0	49.0	48.8	48.8	48.5	47.8	47.1	46.0	46.8	47.0	48.6	51.0
	13	54.5	53.6	52.6	52.3	52.2	51.8	51.2	50.6	51.2	52.0	57.0	60.4
	14	55.0	54.0	54.0	54.0	53.0	52.4	—	—	52.0	52.8	50.2	50.5
	15	52.0	51.6	50.8	—	—	—	—	—	—	—	—	—
	16	—	—	—	45.0	44.4	43.8	43.0	42.0	42.0	45.2	49.5	54.0
	17	54.4	53.4	53.0	51.0	50.0	49.3	48.0	48.0	—	51.3	55.3	59.7
	18	55.5	53.0	52.9	52.0	53.0	54.2	54.9	55.2	—	58.6	61.4	64.0
	19	59.2	58.5	57.7	56.8	55.0	54.2	53.0	52.0	—	56.0	60.5	64.5
	20	65.4	64.8	63.6	62.8	61.8	61.0	59.6	58.0	58.1	62.0	65.8	69.2
	21	66.0	65.0	64.5	63.0	61.9	61.3	61.3	61.7	61.5	61.8	61.4	61.6
	22	59.4	59.6	60.0	—	—	—	—	—	—	—	—	—
	23	—	—	—	53.4	55.1	55.0	53.8	52.4	—	55.3	57.6	58.5
	24	52.0	51.0	49.6	49.2	48.5	48.0	47.3	47.0	49.2	51.4	54.6	55.6
	25	55.0	54.8	54.1	53.3	53.5	53.6	53.6	53.6	53.5	55.0	54.5	56.0
	26	53.0	53.0	52.6	52.6	52.5	52.4	52.0	51.6	51.9	53.0	56.3	58.7
	27	57.5	57.0	56.0	54.4	53.4	53.1	53.3	53.4	54.6	57.0	60.8	63.4
	28	65.3	65.0	63.7	61.5	—	60.4	60.0	59.8	59.6	60.0	60.5	63.0
	29	58.6	57.6	57.0	—	—	—	—	—	—	—	—	—
	30	—	—	—	—	55.6	55.2	55.3	55.4	—	57.8	60.2	63.2
Hourly Means	55.46	54.64	54.13	52.69	52.24	51.98	51.48	51.19	51.53	53.61	55.81	58.18	
DECEMBER.	1	67.0	66.2	64.7	64.3	64.0	63.6	63.0	62.0	62.9	62.6	63.0	
	2	57.4	57.0	57.0	57.2	56.8	56.6	56.3	56.2	56.8	59.3	61.3	
	3	61.0	59.0	58.0	56.4	56.0	54.1	52.8	52.0	54.0	58.0	60.6	
	4	61.7	60.2	59.3	59.2	59.2	59.2	59.2	60.4	60.8	61.8	62.5	
	5	65.0	69.8	70.0	70.0	70.0	67.8	65.8	64.2	63.8	65.0	67.2	
	6	62.5	61.4	60.5	—	—	—	—	—	—	—	—	
	7	—	—	—	66.0	65.2	62.6	62.0	62.4	62.0	62.3	67.0	
	8	58.0	56.8	56.0	55.8	54.8	54.0	53.5	53.2	53.3	56.2	58.7	
	9	51.5	49.5	48.2	48.0	47.0	46.8	46.6	46.3	—	50.6	53.4	
	10	52.5	52.0	51.7	50.8	49.2	48.0	48.0	48.2	48.5	51.7	55.3	
	11	56.4	56.0	55.6	54.8	54.5	54.5	54.2	54.0	54.7	55.6	57.0	
	12	56.0	55.6	55.5	55.1	55.0	54.6	53.5	51.7	53.2	54.0	57.0	
	13	55.4	55.3	55.4	—	—	—	—	—	—	—	—	
	14	—	—	—	55.7	55.5	55.4	54.6	53.9	54.0	55.3	58.3	
	15	55.5	53.5	52.1	51.2	—	—	—	48.0	49.0	52.6	56.8	
	16	57.8	55.7	55.7	55.0	53.7	—	53.2	52.8	53.2	56.2	58.2	
	17	58.0	58.2	58.6	58.8	58.5	57.4	56.2	56.0	—	59.2	62.3	
	18	59.5	57.7	54.8	53.0	52.7	51.3	51.8	50.0	52.8	54.4	56.4	
	19	58.1	57.2	57.2	56.3	56.2	56.0	55.6	55.2	56.0	57.3	58.8	
	20	58.2	59.5	58.3	—	—	—	—	—	—	—	—	
	21	—	—	—	55.7	55.2	54.7	54.7	55.2	56.4	58.0	60.4	
	22	56.9	55.4	54.6	54.2	54.0	53.4	53.0	52.4	52.8	55.2	57.8	
	23	57.4	57.0	55.8	53.0	51.2	50.8	50.7	50.5	50.4	53.5	54.8	
	24	57.5	57.3	57.0	—	—	—	—	—	—	—	—	
	25	—	—	—	55.8	55.2	55.8	55.0	53.8	53.5	57.2	58.8	
	26	58.0	57.2	56.8	56.0	—	56.0	56.0	56.0	55.8	56.4	60.3	
	27	63.0	60.8	58.8	—	—	—	—	—	—	—	—	
	28	—	—	—	69.2	69.0	66.5	63.2	61.0	58.4	59.2	61.2	
	29	52.3	51.8	52.0	51.8	50.4	49.0	—	—	48.6	49.7	51.7	
	30	61.5	60.5	59.4	59.4	59.6	58.5	56.7	57.2	57.8	59.2	62.8	
	31	64.5	61.4	60.4	57.3	57.3	56.8	56.2	56.8	57.6	58.5	63.3	
Hourly Means	58.56	57.77	57.05	56.92	56.67	55.97	55.50	54.78	55.26	56.88	59.42	62.18	

STANDARD THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
—	—	—	—	—	—	—	—	—	—	—	—	—
54°0	55°0	53°0	53°7	55°0	56°0	57°0	56°0	53°2	50°2	46°5	45°5	52°10
59°0	57°5	58°0	61°0	62°8	60°5	63°9	61°7	59°2	55°7	53°8	52°2	53°32
62°4	63°8	66°2	68°9	71°7	75°4	65°0	65°2	63°4	61°2	59°0	57°0	58°46
65°2	70°4	72°8	75°0	66°4	70°0	70°2	69°0	69°0	65°0	63°2	63°0	60°39
49°8	51°5	54°0	53°5	52°2	52°0	53°4	52°4	48°0	48°2	47°0	46°0	52°29
55°0	55°8	55°8	58°2	57°8	57°9	59°0	58°2	58°0	54°2	52°7	51°9	51°23
—	—	—	—	—	—	—	—	—	—	—	—	—
59°6	66°0	64°8	63°0	68°4	70°3	66°6	65°2	67°5	63°7	61°6	60°5	57°82
70°0	70°8	71°9	71°4	72°0	66°2	65°4	66°0	63°6	59°8	56°0	54°2	61°47
57°2	59°4	61°0	62°0	61°0	63°5	63°2	60°8	58°5	54°5	51°2	50°0	54°80
54°0	56°5	57°5	59°2	61°3	60°6	61°9	63°6	62°0	58°1	56°1	55°2	53°56
63°2	65°0	64°0	66°8	67°0	65°2	64°8	63°6	58°6	56°6	55°6	55°2	57°71
51°3	50°6	52°6	53°7	55°0	56°2	56°0	55°0	53°0	52°5	52°0	52°0	53°08
—	—	—	—	—	—	—	—	—	—	—	—	—
59°2	60°2	63°7	65°6	65°0	66°8	66°2	65°2	63°6	60°2	58°0	56°5	54°73
60°8	64°2	66°4	65°4	65°5	67°5	67°2	66°5	63°5	60°5	59°0	57°1	58°13
66°4	69°0	71°0	74°0	74°3	74°8	74°9	74°8	72°1	67°2	63°4	60°6	63°36
67°9	70°7	74°2	76°3	76°0	78°2	79°2	78°4	76°4	72°6	69°0	66°4	65°77
71°0	74°6	77°2	79°6	82°0	85°0	83°2	81°0	79°0	73°5	70°5	68°0	69°86
60°8	61°8	62°0	63°0	62°9	63°3	64°6	66°7	66°8	63°6	61°7	59°9	62°84
—	—	—	—	—	—	—	—	—	—	—	—	—
61°4	63°0	63°4	65°0	65°0	66°0	65°4	60°0	56°8	54°5	53°0	52°5	58°53
56°5	54°5	56°0	56°0	56°5	55°4	56°6	56°2	56°4	55°7	55°4	55°2	53°07
56°4	58°1	57°1	58°0	59°0	59°0	59°4	59°2	56°8	54°8	53°6	52°8	55°61
61°6	62°0	63°6	65°2	64°9	66°0	63°5	65°0	61°5	59°8	58°2	57°5	57°85
66°3	70°5	73°0	76°5	79°6	75°4	72°6	74°1	72°9	67°8	67°0	66°0	63°98
66°0	68°0	62°5	64°9	62°8	63°0	59°0	61°0	64°1	62°3	60°2	59°1	62°25
—	—	—	—	—	—	—	—	—	—	—	—	—
65°6	68°0	71°0	74°0	75°8	77°6	76°2	77°3	74°7	72°3	68°6	67°0	65°64
60°82	62°68	63°71	65°20	65°60	66°07	65°38	64°88	63°14	60°18	58°09	56°85	58°31
64°7	66°1	69°0	71°2	73°0	72°4	72°2	70°8	70°0	64°4	61°0	58°4	65°85
65°0	67°6	67°0	67°4	67°0	67°0	68°5	68°2	68°2	67°0	65°0	63°5	62°38
66°0	70°0	68°2	69°2	69°2	68°3	66°9	66°9	69°3	67°1	65°0	63°4	62°28
66°0	—	67°3	68°5	69°0	69°8	70°4	68°4	67°0	67°0	66°0	64°4	63°98
70°0	72°0	75°0	76°4	78°0	77°5	73°8	72°2	72°2	69°9	67°5	64°7	69°75
—	—	—	—	—	—	—	—	—	—	—	—	—
72°8	71°0	71°2	72°5	72°5	73°0	74°2	72°8	71°8	66°0	62°0	59°2	66°92
61°8	61°8	63°3	64°8	67°7	66°3	64°0	65°7	63°3	59°8	55°4	53°0	59°05
58°2	58°2	59°0	61°0	58°3	59°3	62°5	61°0	64°8	60°9	57°0	54°6	54°79
59°8	61°0	64°0	64°9	63°6	64°0	63°5	—	63°0	58°0	57°2	57°0	56°20
62°5	62°8	62°8	60°5	62°0	60°0	61°2	58°4	58°0	57°0	56°2	55°7	57°63
61°0	63°3	63°0	63°8	63°4	63°0	62°6	60°3	58°7	57°0	56°3	55°7	57°88
—	—	—	—	—	—	—	—	—	—	—	—	—
61°7	65°0	64°8	66°0	67°2	67°0	67°5	66°5	65°0	62°6	60°0	57°5	59°97
66°6	70°5	73°3	73°7	71°3	69°8	68°2	66°3	65°7	61°9	60°2	58°5	61°26
65°0	68°5	69°0	69°5	68°0	65°8	66°0	64°8	62°0	59°6	58°6	58°0	60°35
65°0	68°0	73°0	75°5	75°5	73°5	68°5	70°2	72°3	69°5	65°5	61°0	64°57
61°0	61°7	64°3	65°5	62°2	63°8	60°7	61°8	61°4	60°0	59°3	59°0	58°07
64°0	63°6	63°8	63°0	62°8	63°0	61°0	61°4	61°0	59°9	58°8	58°1	59°40
—	—	—	—	—	—	—	—	—	—	—	—	—
65°3	70°2	73°3	72°0	72°6	73°6	73°6	71°6	67°0	64°0	60°6	58°1	62°98
64°0	63°5	66°0	64°5	64°0	60°8	61°6	62°4	60°2	60°0	59°8	58°2	58°59
60°2	61°3	63°2	64°3	66°0	69°2	69°5	71°0	70°0	63°0	60°0	59°0	59°18
—	—	—	—	—	—	—	—	—	—	—	—	—
69°0	66°3	67°7	71°6	72°5	74°7	77°0	74°5	67°8	62°6	60°7	59°5	62°58
67°8	71°4	71°8	73°3	74°0	75°0	76°8	75°0	72°6	72°0	68°0	65°0	64°91
—	—	—	—	—	—	—	—	—	—	—	—	—
64°2	58°6	57°5	60°7	60°0	57°8	63°2	60°2	61°3	57°5	55°8	53°2	60°98
55°5	59°0	62°3	66°0	68°5	71°0	72°0	70°0	66°6	65°5	63°5	62°2	58°75
68°0	70°0	72°5	74°0	76°6	77°6	78°8	79°2	78°4	74°4	71°8	67°9	66°94
80°0	82°0	84°0	86°0	82°0	80°5	80°5	77°2	76°0	71°0	68°3	65°2	68°87
64°81	66°14	67°55	68°68	68°73	68°60	68°64	67°87	66°68	63°75	61°52	59°62	61°69

WET THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
JANUARY.	1	52°0	51°2	50°5	50°2	48°3	49°6	49°4	47°7	48°4	50°0	51°2	52°4
	2	52°7	53°5	52°8	51°7	51°8	52°0	52°2	51°8	52°5	53°0	52°7	54°0
	3	53°4	53°6	53°0	53°2	53°2	52°2	50°0	48°2	47°4	46°5	46°4	46°7
	4	47°0	46°7	46°6	—	—	—	—	—	—	—	—	—
	5	—	—	—	50°0	49°8	49°5	49°2	48°8	50°2	51°5	53°8	56°0
	6	56°0	55°4	54°8	55°0	54°6	54°8	—	54°0	54°0	56°3	57°5	57°6
	7	59°0	59°0	60°5	60°2	60°5	60°6	61°0	60°7	—	60°8	61°0	62°6
	8	55°8	56°3	56°6	56°8	57°4	54°8	53°6	53°0	52°5	52°4	53°7	55°3
	9	48°8	47°8	48°0	47°8	47°8	47°4	48°0	47°8	48°2	50°0	51°6	51°7
	10	53°4	52°7	52°2	51°7	50°6	51°0	50°2	49°7	50°0	51°8	53°8	56°3
	11	56°3	56°1	55°6	—	—	—	—	—	—	—	—	—
	12	—	—	—	58°4	57°8	58°0	58°0	57°8	58°3	59°8	62°2	63°3
	13	65°4	64°8	63°6	63°6	—	—	—	64°3	63°8	65°0	67°2	67°8
	14	52°7	52°6	53°1	52°7	52°6	52°2	51°8	52°6	52°5	52°0	52°7	53°8
	15	57°2	56°0	55°4	54°2	—	53°5	53°2	53°0	53°6	54°6	56°9	57°5
	16	51°0	49°3	47°6	46°4	46°3	46°3	46°5	46°2	46°0	48°0	49°6	51°8
	17	58°6	58°7	57°7	58°0	57°6	57°0	56°2	55°2	55°0	55°0	55°9	56°2
	18	49°8	49°8	49°2	—	—	—	—	—	—	—	—	—
	19	—	—	—	44°7	43°3	42°8	43°6	43°7	44°2	45°0	47°4	49°4
	20	51°4	50°8	50°8	50°7	51°4	51°2	51°0	48°8	48°3	50°7	52°7	54°3
	21	53°7	52°0	51°4	50°4	50°0	49°0	49°2	49°2	49°4	51°8	53°6	56°2
	22	56°7	55°6	54°8	54°2	54°0	53°6	53°6	53°5	53°6	54°6	55°0	57°6
	23	60°4	59°4	58°8	58°3	57°3	57°2	56°6	—	57°0	57°9	59°6	61°4
	24	63°8	63°8	64°0	63°8	63°6	63°4	63°2	63°2	63°3	61°2	62°1	60°7
	25	55°2	55°0	54°2	—	—	—	—	—	—	—	—	—
	26	—	—	—	49°0	48°6	48°0	47°8	47°2	48°2	50°5	52°0	54°3
	27	54°4	54°8	54°0	53°2	52°7	52°2	51°8	51°6	51°2	53°6	55°0	56°7
	28	54°8	54°0	53°0	52°5	52°2	51°7	51°6	50°7	51°2	52°2	54°4	56°4
	29	55°2	55°1	55°1	54°6	55°0	55°0	54°8	54°6	54°8	54°8	55°3	55°0
	30	54°1	54°3	54°5	54°3	—	53°5	53°0	54°0	53°6	53°8	54°6	56°0
	31	62°0	61°6	60°5	57°5	54°6	52°6	52°1	50°1	50°4	51°2	52°4	50°8
Hourly Means	55°22	54°81	54°38	53°82	52°96	52°66	52°30	52°21	52°22	53°48	54°83	55°99	
FEBRUARY.	1	51°0	47°3	47°2	—	—	—	—	—	—	—	—	
	2	—	—	—	47°2	47°0	47°0	47°0	47°2	47°2	47°2	—	51°0
	3	53°4	53°4	53°5	53°2	52°8	52°6	52°5	52°8	53°0	53°3	53°9	55°5
	4	55°7	55°4	54°2	54°5	54°2	53°8	53°5	52°9	52°8	54°0	55°4	57°6
	5	61°3	60°9	59°5	59°0	58°5	58°0	57°4	57°4	57°5	58°9	61°4	63°3
	6	64°5	64°5	64°0	63°4	63°2	62°8	62°8	62°7	62°7	63°0	63°5	64°5
	7	54°3	52°8	52°3	51°7	51°5	51°4	51°0	50°4	49°7	50°4	51°5	53°4
	8	52°3	50°8	51°2	—	—	—	—	—	—	—	—	—
	9	—	—	—	49°3	49°0	49°3	49°8	50°6	49°8	49°3	49°4	49°3
	10	49°8	50°4	49°3	48°7	—	49°0	49°0	49°0	49°0	49°8	49°4	49°0
	11	52°7	52°7	52°7	52°7	52°7	51°8	52°0	52°0	52°5	53°2	53°9	54°7
	12	52°0	51°2	51°6	51°2	—	—	48°7	47°7	47°5	47°4	50°0	51°9
	13	52°6	52°0	51°3	50°5	50°7	50°5	50°2	50°0	49°4	50°0	51°8	52°0
	14	50°3	48°1	47°6	47°6	—	47°4	45°6	45°8	46°0	46°6	48°3	48°7
	15	50°5	50°4	50°0	—	—	—	—	—	—	—	—	—
	16	—	—	—	49°5	49°2	49°0	48°7	48°3	48°5	48°5	50°0	49°8
	17	52°2	51°7	51°3	51°1	50°6	50°0	49°4	49°5	50°0	51°1	52°4	54°6
	18	58°2	58°5	58°2	58°2	55°6	53°6	53°5	53°5	53°2	52°9	52°7	53°0
	19	53°2	53°0	52°8	52°6	52°7	52°7	52°8	52°8	52°7	53°4	54°5	55°4
	20	60°3	60°3	60°3	60°3	60°3	60°0	59°7	60°1	60°0	60°4	58°6	56°0
	21	51°8	51°0	51°4	51°2	50°8	50°6	50°3	50°2	50°1	—	52°4	51°0
	22	55°2	54°5	53°2	—	—	—	—	—	—	—	—	—
	23	—	—	—	55°2	54°4	53°7	52°6	52°4	52°1	52°3	54°2	56°3
	24	58°5	57°8	57°0	53°0	53°0	52°3	50°6	49°4	48°5	49°0	50°0	52°0
	25	55°5	56°2	56°0	55°5	54°7	51°9	50°7	50°2	—	50°0	50°8	52°4
	26	50°3	50°4	50°2	49°9	50°0	50°0	50°3	50°5	51°5	51°8	52°7	53°7
	27	53°4	52°8	53°0	52°0	52°2	52°0	51°7	50°7	51°2	51°6	53°7	55°0
	28	52°3	52°3	52°3	52°2	52°2	51°8	51°5	51°7	52°0	52°0	52°8	54°0
Hourly Means	54°22	53°68	53°34	52°90	53°11	52°23	51°72	51°57	51°60	52°00	53°19	53°92	

WET THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
54.1	54.4	—	57.0	58.0	58.6	59.7	58.2	57.3	55.0	54.6	53.8	53.11
54.0	54.5	56.4	57.0	58.4	59.0	60.8	60.2	59.0	55.2	54.4	53.6	54.72
47.3	48.3	49.3	51.8	50.4	53.2	53.4	55.2	55.0	51.2	50.0	48.5	50.72
—	—	—	—	—	—	—	—	—	—	—	—	—
57.4	58.0	60.0	61.2	63.0	61.5	62.4	61.0	59.8	58.0	58.0	57.0	54.85
57.7	60.7	63.2	64.9	63.2	64.0	60.0	60.0	61.0	60.5	59.4	59.2	58.42
62.1	61.6	61.4	61.0	63.8	63.0	62.2	63.4	61.8	58.3	55.9	55.5	60.69
56.0	54.0	55.0	55.5	55.2	54.6	55.6	55.6	55.2	52.8	51.0	49.4	54.50
54.4	53.9	56.2	56.6	55.7	58.7	60.8	59.4	57.8	57.8	57.2	54.9	52.85
59.4	60.7	62.5	63.3	65.0	64.5	64.0	60.0	59.5	58.7	57.4	56.5	56.45
—	—	—	—	—	—	—	—	—	—	—	—	—
63.2	63.4	65.9	68.5	69.5	71.3	72.2	70.0	67.8	67.2	66.6	65.4	63.02
69.4	71.3	67.3	64.8	64.9	61.7	60.0	56.2	54.6	53.7	53.6	53.0	62.67
55.2	56.4	57.2	58.0	59.2	60.2	61.8	62.0	60.2	59.4	58.6	57.0	53.69
59.5	60.9	61.5	—	57.0	54.7	53.6	54.0	55.0	55.0	53.0	52.0	55.51
52.5	52.5	55.7	58.5	59.5	61.6	60.8	62.6	63.6	60.5	60.4	59.0	53.42
56.8	56.8	57.0	57.0	58.8	57.8	58.4	55.2	55.6	52.2	52.0	50.2	56.20
—	—	—	—	—	—	—	—	—	—	—	—	—
50.2	50.9	52.2	53.2	54.3	54.6	54.6	54.5	54.9	52.4	52.2	51.7	49.52
55.6	57.0	58.4	59.4	—	59.8	58.0	57.8	57.0	55.0	54.5	54.0	53.85
57.9	59.1	61.5	62.9	62.4	61.8	62.4	61.0	60.0	58.8	57.9	57.2	55.78
59.6	61.4	62.6	64.6	64.0	63.7	64.4	63.4	63.0	63.0	62.0	61.0	58.73
62.0	63.9	65.5	65.7	65.8	66.0	66.0	64.2	63.4	64.2	64.0	64.0	61.68
61.7	63.0	63.7	65.3	65.4	64.5	62.6	61.4	60.0	58.0	57.0	56.0	62.28
—	—	—	—	—	—	—	—	—	—	—	—	—
56.2	56.0	57.4	59.1	59.5	59.3	59.0	59.2	58.4	56.8	55.6	55.0	54.23
58.1	59.8	60.1	61.3	—	62.5	60.0	58.4	57.5	57.4	56.4	55.0	55.99
57.8	59.0	59.5	60.4	60.8	61.0	60.3	58.1	56.6	55.9	55.4	55.3	55.62
56.6	56.4	56.5	57.8	57.2	57.6	57.9	57.4	56.7	55.5	54.6	54.2	55.74
56.6	59.6	61.0	62.0	62.4	63.0	63.4	64.0	63.8	64.6	62.5	62.4	58.30
49.0	52.5	55.3	51.7	53.6	53.0	54.4	54.0	53.6	52.6	53.8	54.8	53.92
57.05	58.00	59.32	59.94	60.28	60.42	60.32	59.50	58.82	57.40	56.59	55.76	56.17
—	—	—	—	—	—	—	—	—	—	—	—	—
52.7	53.4	56.3	56.8	57.3	57.4	58.7	58.0	57.2	55.8	54.8	53.5	52.10
56.5	58.6	58.5	59.0	60.4	60.4	61.1	61.9	61.8	59.2	57.6	56.2	56.30
59.1	61.3	62.6	64.7	65.8	66.7	66.1	68.1	66.6	65.4	63.2	61.8	59.39
64.6	65.7	67.9	68.7	69.3	69.4	67.5	67.2	66.0	65.6	65.6	65.0	63.15
64.8	65.5	66.4	66.6	68.8	68.5	66.6	65.0	63.7	59.2	56.4	54.9	63.67
54.6	54.7	56.3	57.7	58.2	57.8	56.0	55.2	55.8	55.6	54.5	53.1	53.75
—	—	—	—	—	—	—	—	—	—	—	—	—
49.8	50.4	51.4	51.8	51.7	51.6	51.8	52.3	51.8	51.4	50.7	50.6	50.64
50.4	51.2	52.3	52.4	52.5	52.4	52.7	52.3	53.3	52.7	52.5	52.5	50.85
56.4	55.7	57.6	56.4	57.8	56.2	56.0	55.2	55.4	54.0	52.6	52.4	54.14
50.8	52.8	52.4	53.3	54.3	55.0	56.2	56.0	56.1	55.2	54.4	53.8	52.25
54.5	55.8	57.4	59.6	60.4	58.2	59.4	59.0	59.4	58.7	57.0	52.9	54.30
52.6	52.6	53.5	54.7	56.0	57.0	56.0	55.2	55.2	54.0	52.0	50.4	50.92
—	—	—	—	—	—	—	—	—	—	—	—	—
52.0	52.1	53.0	55.7	56.3	57.1	57.8	57.3	56.2	54.1	53.7	53.5	52.13
56.5	58.1	60.8	62.1	63.0	63.3	59.2	60.1	59.5	59.5	59.3	59.2	55.60
53.3	53.5	53.7	54.3	54.3	54.5	54.6	54.2	54.4	54.4	53.4	52.8	54.52
57.5	58.4	59.4	59.6	60.2	60.6	60.7	60.4	60.0	59.8	59.9	60.0	56.46
57.2	57.3	56.8	58.1	58.0	58.2	57.0	56.0	55.1	54.3	52.4	52.4	57.88
54.2	55.3	54.8	56.4	57.3	57.1	58.0	59.0	58.7	56.7	55.5	55.0	53.86
—	—	—	—	—	—	—	—	—	—	—	—	—
53.8	59.8	61.3	60.0	60.6	60.0	61.4	62.0	59.2	59.4	58.5	58.5	56.69
54.5	55.5	56.0	57.3	57.3	58.4	57.1	57.8	57.6	56.5	55.6	55.6	54.60
54.3	54.3	55.2	55.5	57.0	56.6	55.4	56.2	54.3	53.0	52.3	51.5	53.89
54.0	55.7	57.8	57.6	58.6	59.5	59.5	59.4	56.4	54.8	54.8	54.0	53.89
55.4	56.4	57.4	58.4	59.3	60.9	60.3	60.0	59.7	58.1	55.0	53.8	55.17
55.9	57.4	58.2	58.4	60.0	59.2	59.4	58.9	57.2	55.9	56.0	55.0	54.94
55.22	56.31	57.37	58.13	58.93	59.00	58.69	58.61	57.94	56.80	55.74	54.93	55.05

WET THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
MARCH.	1	54°7	55°0	55°2	°	°	°	°	°	°	°	°	
	2	—	—	—	52°2	52°0	51°5	51°3	51°2	50°1	51°5	52°8	54°5
	3	59°6	57°8	57°0	57°1	56°5	56°2	—	55°5	55°4	55°0	55°4	57°0
	4	62°4	62°4	61°2	60°8	60°5	59°5	58°0	53°2	51°7	51°0	52°4	52°2
	5	45°0	45°2	43°7	43°2	43°2	43°3	43°0	42°3	42°4	42°6	45°1	46°6
	6	45°4	44°5	44°4	44°7	43°7	43°3	43°0	42°8	—	42°5	44°5	46°5
	7	50°0	49°5	49°2	49°5	49°3	49°3	49°0	48°8	—	—	51°6	52°2
	8	59°3	58°0	57°2	—	—	—	—	—	—	—	—	—
	9	—	—	—	50°3	50°1	49°2	48°3	48°7	48°2	48°0	50°0	51°0
	10	50°3	49°3	48°8	48°3	48°2	47°7	47°7	47°2	47°0	47°2	49°5	52°0
	11	52°7	52°2	51°9	51°8	51°4	51°4	50°8	50°2	50°7	51°0	51°2	51°9
	12	59°0	56°8	55°2	55°0	54°4	52°6	50°8	49°6	48°3	47°7	48°7	50°4
	13	51°4	51°0	51°6	51°2	—	49°5	49°3	50°0	49°7	50°3	51°4	53°2
	14	55°5	54°5	54°2	54°0	54°2	54°3	54°1	53°7	53°6	54°8	55°4	55°8
	15	58°3	55°6	53°8	—	—	—	—	—	—	—	—	—
	16	—	—	—	49°5	49°7	50°0	50°0	49°8	50°2	50°2	51°7	52°2
	17	55°5	56°0	55°5	55°5	55°7	55°6	55°5	55°6	55°8	56°0	56°4	56°8
	18	55°5	55°3	55°3	55°4	—	56°0	55°8	55°8	56°2	56°4	56°8	56°9
	19	50°4	50°0	49°8	50°8	—	—	—	—	—	47°0	49°5	50°8
	20	52°6	53°1	50°0	—	—	—	—	—	—	—	—	—
	21	—	—	—	41°6	42°0	42°2	42°4	41°4	41°8	42°0	43°3	45°2
	22	49°8	50°0	50°0	—	—	—	—	—	—	—	—	—
	23	—	—	—	46°6	46°0	45°5	44°8	44°2	43°8	44°0	44°8	47°2
	24	51°6	50°3	49°3	48°1	48°8	48°5	47°8	47°5	47°0	47°0	48°4	50°0
	25	50°5	48°7	48°3	47°8	47°2	47°2	47°2	47°0	47°1	47°7	48°4	51°5
	26	52°5	52°2	51°2	51°0	51°1	50°8	50°0	49°7	49°0	49°2	49°3	51°3
	27	55°7	55°8	56°0	55°7	53°9	53°5	53°4	52°5	52°0	51°5	51°5	52°5
	28	56°6	56°2	56°6	53°2	52°0	51°2	49°5	49°4	49°0	48°5	49°0	49°4
	29	53°6	53°0	53°0	—	—	—	—	—	—	—	—	—
	30	—	—	—	52°2	52°2	52°2	52°2	52°2	51°8	52°0	52°3	53°0
	31	47°0	47°6	48°2	46°0	45°4	45°0	44°0	43°7	43°3	44°4	45°8	46°2
Hourly Means	53°40	52°80	52°26	51°98	50°34	50°23	49°47	49°25	49°28	49°06	50°21	51°45	
APRIL.	1	53°0	52°0	52°0	52°0	52°2	52°1	51°6	51°8	—	51°8	53°4	54°0
	2	51°7	51°2	51°0	51°6	51°0	50°6	50°0	50°0	50°3	50°2	50°2	51°5
	3	51°2	51°0	51°0	51°2	51°2	51°2	51°7	52°2	52°5	52°4	52°7	54°3
	4	53°0	52°0	51°0	50°5	50°6	50°2	49°9	50°2	—	—	50°8	52°0
	5	42°7	42°7	41°2	—	—	—	—	—	—	—	—	—
	6	—	—	—	42°0	42°0	41°6	40°8	40°4	40°1	40°0	40°8	43°1
	7	48°2	47°8	46°2	46°0	45°9	45°3	45°1	44°4	44°2	44°2	46°0	48°4
	8	52°1	52°0	51°3	50°8	50°2	49°6	49°0	48°8	—	48°7	48°8	50°1
	9	54°4	54°2	54°0	53°6	52°5	51°6	51°4	51°5	51°5	50°3	50°6	50°4
	10	47°2	47°4	47°4	47°2	47°5	47°0	47°2	47°0	45°6	47°0	48°2	49°2
	11	45°1	45°1	45°1	44°7	45°2	45°4	45°4	45°2	46°0	46°8	47°3	48°2
	12	49°4	48°4	47°8	—	—	—	—	—	—	—	—	—
	13	—	—	—	51°4	51°6	51°3	51°0	51°0	51°0	51°2	51°6	53°2
	14	52°0	52°7	51°8	51°7	51°5	51°0	50°6	50°4	50°0	50°0	50°4	51°3
	15	52°4	53°6	54°2	54°6	51°0	51°0	50°6	50°4	50°6	50°0	50°0	52°4
	16	52°6	53°2	53°3	53°3	53°2	51°5	50°6	50°4	49°2	48°8	49°4	50°8
	17	51°3	50°6	49°8	49°6	50°4	50°6	50°2	50°2	48°9	49°2	49°4	49°7
	18	59°8	59°4	59°4	59°4	59°4	59°4	58°5	57°9	57°6	57°4	57°4	57°5
	19	48°3	47°7	47°2	—	—	—	—	—	—	—	—	—
	20	—	—	—	47°4	47°6	47°2	46°8	45°8	45°7	45°6	45°6	47°2
	21	45°7	44°7	44°2	43°7	43°2	43°0	42°7	42°8	—	43°2	43°8	43°8
	22	42°5	42°0	40°4	40°0	39°4	39°2	38°2	38°3	38°2	38°0	38°2	40°0
	23	43°8	43°1	42°6	42°2	41°4	40°8	41°6	41°8	42°0	42°2	42°0	44°0
	24	45°0	44°4	44°0	43°0	42°5	42°0	42°0	42°4	42°8	42°4	42°6	43°2
	25	49°2	50°0	52°0	52°0	—	—	49°2	49°6	—	49°2	46°8	47°0
	26	44°0	43°8	43°4	—	—	—	—	—	—	—	—	—
	27	—	—	—	44°0	43°7	44°5	44°4	44°6	44°7	44°5	43°6	47°0
	28	44°0	43°0	43°0	42°8	41°8	41°3	40°8	40°3	40°0	39°8	39°8	42°2
	29	46°2	45°5	45°2	45°0	43°4	43°4	43°2	42°2	42°0	42°0	42°2	43°6
	30	49°0	49°0	48°0	47°8	47°2	47°0	47°2	47°0	46°2	46°0	46°4	47°5
Hourly Means	48°99	48°71	48°33	48°36	47°82	47°51	47°30	47°18	46°62	46°84	47°23	48°52	

WET THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
59°0	59°8	62°0	62°5	63°3	64°6	63°8	63°2	63°3	62°3	61°7	60°2	} 57°40
61°6	63°7	64°5	66°7	67°5	66°8	67°7	63°5	62°7	62°2	61°8	61°7	
54°2	53°2	51°5	51°7	53°8	51°5	50°5	52°5	49°0	47°8	45°8	45°5	53°85
48°0	47°4	47°4	48°0	48°6	50°7	50°7	50°5	48°7	47°3	46°6	46°7	46°09
49°2	51°4	53°3	54°3	55°3	55°2	55°0	54°7	53°9	53°4	51°8	50°5	48°84
53°0	58°3	59°8	61°5	64°0	64°0	65°0	65°5	64°5	62°2	61°5	60°5	56°28
—	—	—	—	—	—	—	—	—	—	—	—	} 52°62
53°2	53°3	54°6	54°5	54°5	55°9	55°1	55°3	54°5	52°4	51°0	50°3	
53°9	55°3	55°2	56°7	57°2	59°2	58°6	59°0	56°9	55°4	55°5	53°3	52°47
54°7	56°7	60°5	62°7	64°0	64°5	64°0	63°0	62°5	62°6	62°2	61°4	56°50
50°6	51°6	52°7	53°0	53°2	53°0	52°4	52°4	50°8	50°8	51°8	51°4	52°17
55°3	56°4	57°0	59°3	61°0	61°2	62°0	61°0	60°4	58°5	57°0	57°3	55°00
58°4	59°5	61°1	62°5	62°2	62°3	62°6	62°3	61°7	59°2	57°2	58°1	57°55
—	—	—	—	—	—	—	—	—	—	—	—	} 54°07
53°7	55°9	56°8	57°8	58°0	57°5	56°5	56°5	56°6	56°0	55°8	55°5	
57°7	58°2	58°7	59°3	59°0	59°0	59°7	59°5	58°3	57°3	56°4	56°1	57°05
57°0	58°0	58°0	59°4	59°4	60°8	59°4	56°8	54°4	53°2	50°8	50°6	56°23
51°4	53°2	54°5	54°8	56°7	66°4	55°6	55°6	54°0	54°0	53°6	53°0	52°69
—	—	—	—	—	—	—	—	—	—	—	—	} 46°97
45°5	46°8	47°6	49°0	49°2	51°0	50°0	50°2	50°0	50°0	50°2	50°2	
—	—	—	—	—	—	—	—	—	—	—	—	} 50°60
50°0	51°7	53°3	55°4	56°3	57°3	57°7	57°5	56°7	55°8	53°8	52°3	
52°2	54°5	57°1	58°1	57°2	56°7	54°9	55°0	55°0	54°8	52°7	52°4	51°87
53°1	55°7	55°3	57°0	57°0	57°5	57°5	56°0	55°0	55°0	54°5	54°0	51°93
53°4	55°0	57°0	57°6	57°7	59°8	58°4	58°2	57°5	57°0	57°2	56°6	53°86
53°5	55°2	57°9	57°5	57°0	57°2	57°8	57°6	58°0	58°0	57°6	56°8	55°34
51°3	51°3	51°5	53°5	53°6	54°4	54°5	55°0	53°6	54°0	53°0	53°5	52°49
—	—	—	—	—	—	—	—	—	—	—	—	} 52°69
54°5	53°5	54°0	55°0	54°0	54°2	53°4	54°2	52°4	50°4	50°0	49°2	
47°7	50°5	52°6	53°8	54°0	56°0	55°5	54°0	54°0	53°0	53°0	53°0	49°32
51°84	54°64	55°76	56°86	57°35	57°87	57°53	57°16	56°18	55°30	54°50	54°00	53°38
55°0	55°5	56°3	57°1	58°2	58°0	58°5	57°8	57°1	56°4	55°4	53°7	54°56
51°4	53°5	54°6	54°0	54°7	55°3	54°6	54°2	52°8	51°4	51°2	51°0	52°00
55°4	55°6	57°5	56°7	57°2	58°0	56°0	56°0	55°0	55°5	53°5	53°2	53°42
54°5	55°7	56°4	56°2	56°4	52°3	50°8	49°0	47°3	45°8	44°2	44°2	51°05
—	—	—	—	—	—	—	—	—	—	—	—	} 45°92
45°3	48°1	50°2	50°5	51°2	53°0	53°0	52°8	51°6	50°3	49°6	49°0	
50°3	52°0	53°3	55°2	56°3	57°6	59°1	59°0	58°3	55°2	53°8	52°8	50°61
51°8	54°2	56°4	57°9	59°0	59°6	59°8	58°8	58°4	56°4	56°2	55°0	53°69
52°9	53°4	53°8	54°9	53°5	52°7	52°0	51°6	51°4	50°8	49°0	48°4	52°10
50°6	51°5	50°5	49°6	48°3	47°7	47°7	46°0	46°3	45°6	45°5	45°0	47°59
49°5	51°0	52°0	52°4	52°2	51°2	51°0	51°4	50°8	48°6	50°2	49°8	48°32
—	—	—	—	—	—	—	—	—	—	—	—	} 53°35
55°3	55°7	55°7	57°1	57°1	57°5	56°6	56°6	56°4	55°4	54°6	53°6	
53°0	52°8	53°7	54°5	55°0	55°6	54°4	53°2	52°4	52°2	52°2	52°0	52°27
54°0	54°8	56°0	56°6	57°5	56°5	56°5	56°0	54°7	54°0	53°0	52°8	53°47
52°0	53°9	54°7	56°2	57°6	58°4	58°4	58°2	56°4	54°6	54°8	52°8	53°51
48°3	48°6	49°0	60°6	61°2	61°0	61°2	60°5	59°4	59°0	60°4	59°6	53°70
56°8	57°0	57°5	57°4	56°8	55°5	54°2	53°3	51°3	50°0	49°0	48°4	56°26
—	—	—	—	—	—	—	—	—	—	—	—	} 49°97
51°0	52°9	55°2	55°4	56°0	56°2	55°4	54°5	52°2	50°9	50°0	47°6	
45°2	45°2	45°8	45°8	47°3	48°4	47°4	45°6	46°0	46°0	45°8	44°6	44°95
42°3	44°5	47°5	49°1	49°3	50°2	49°8	49°3	48°4	46°0	45°2	44°4	43°35
45°4	48°0	49°6	50°5	51°4	52°0	52°3	51°5	50°5	48°4	47°2	46°8	45°88
44°6	47°0	47°3	49°4	51°0	52°4	52°0	51°0	50°0	50°2	50°4	49°3	46°29
48°5	50°6	50°7	50°5	48°8	48°9	47°9	46°8	46°3	45°1	44°6	44°1	48°47
—	—	—	—	—	—	—	—	—	—	—	—	} 46°91
48°4	50°5	51°8	53°5	—	52°4	52°4	50°2	48°5	47°0	46°5	45°5	
44°0	46°2	49°4	50°2	51°2	52°1	51°3	50°3	49°2	49°1	48°9	48°3	45°38
45°3	46°8	49°5	50°3	52°2	53°2	52°3	51°2	50°8	50°0	49°8	49°2	46°85
48°8	49°6	51°8	53°2	53°2	52°0	51°6	50°8	50°5	50°2	50°2	50°0	49°18
49°98	51°33	52°55	53°65	54°10	54°14	53°70	52°91	51°00	50°93	50°43	49°66	49°96

WET THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
MAY.	1	50°2	50°0	49°4	49°7	49°8	50°2	50°0	49°5	49°4	49°2	49°0	50°0
	2	48°9	48°8	48°8	48°4	—	46°4	45°8	46°8	46°8	47°0	47°2	47°8
	3	48°2	47°8	48°0	—	—	—	—	—	—	—	—	—
	4	—	—	—	44°8	44°7	43°5	42°6	42°4	41°4	41°8	41°4	42°8
	5	50°9	51°0	51°2	51°3	51°2	50°8	50°2	50°4	49°8	48°4	48°0	49°3
	6	48°8	48°0	47°2	47°4	47°0	46°3	45°6	45°0	44°2	43°7	43°7	43°4
	7	38°2	38°0	38°4	38°0	38°1	38°2	38°2	37°8	38°0	38°8	38°4	37°6
	8	38°8	38°7	38°8	38°1	38°2	38°2	38°2	38°0	37°6	37°2	37°4	39°6
	9	44°4	44°2	44°4	44°4	44°4	44°5	44°5	44°5	44°5	44°5	44°6	44°7
	10	45°6	45°0	44°8	—	—	—	—	—	—	—	—	—
	11	—	—	—	45°5	45°6	45°8	46°0	45°8	—	45°2	45°2	45°5
	12	49°0	49°6	48°2	48°0	48°0	48°0	48°0	47°0	46°0	44°4	44°8	46°2
	13	48°5	49°8	50°0	48°0	46°0	46°0	45°7	45°6	—	44°4	44°4	45°2
	14	47°1	47°6	47°5	47°2	47°6	47°0	45°8	44°6	43°8	43°5	43°2	45°2
	15	43°2	40°7	39°6	39°7	39°0	38°4	38°2	38°0	37°8	37°8	37°2	39°4
	16	38°8	38°2	37°8	37°0	36°2	36°3	36°0	35°7	35°8	35°8	35°6	37°2
	17	40°2	40°1	39°6	—	—	—	—	—	—	—	—	—
	18	—	—	—	40°4	40°0	39°6	39°4	38°8	38°3	38°0	37°5	39°0
	19	41°5	41°0	40°4	40°0	—	39°5	39°4	38°9	38°0	37°6	37°4	38°4
	20	43°3	44°2	44°3	43°6	—	42°6	42°6	42°8	42°2	42°0	42°0	42°4
	21	47°2	46°6	45°2	44°2	43°7	43°0	42°6	42°4	42°4	42°4	42°3	43°3
	22	49°0	49°8	49°2	48°7	48°5	48°2	49°7	48°6	48°0	48°4	48°0	48°2
	23	51°2	50°7	51°2	50°5	51°0	51°4	51°8	52°4	53°2	53°6	53°8	54°0
	24	49°2	48°5	47°9	—	—	—	—	—	—	—	—	—
	25	—	—	—	52°1	52°0	51°5	51°2	50°8	49°2	49°0	48°8	49°0
	26	49°4	48°2	47°7	46°9	—	—	45°6	45°4	45°2	44°4	43°6	44°2
	27	48°0	48°2	48°0	48°2	48°0	48°0	47°8	47°4	—	46°2	45°2	44°5
	28	45°2	45°4	45°0	45°2	44°2	44°0	43°2	43°2	42°8	42°6	42°2	42°2
	29	39°8	40°3	40°0	38°6	37°6	36°6	36°4	36°0	35°0	34°5	34°5	34°6
	30	47°6	47°4	46°8	46°0	45°6	45°3	45°2	45°3	44°4	44°1	44°2	44°1
Hourly Means	45°85	45°68	45°36	45°07	44°84	44°37	44°22	43°97	43°21	43°25	43°06	43°76	
JUNE.	May 31	40°8	40°8	40°5	—	—	—	—	—	—	—	—	
	1	—	—	—	38°2	37°0	35°8	35°0	34°8	34°0	33°8	34°2	35°2
	2	40°5	40°3	40°4	40°4	39°7	38°4	38°6	38°8	39°4	40°2	40°6	41°4
	3	43°4	43°2	43°4	43°8	43°5	44°2	44°2	43°2	43°0	43°0	43°0	43°0
	4	43°6	42°9	43°0	43°0	43°0	42°8	43°0	43°0	43°4	43°5	43°4	43°8
	5	49°8	48°4	48°5	48°6	46°0	44°2	43°0	42°0	40°8	41°4	40°9	40°9
	6	41°2	41°8	42°4	42°8	44°2	45°2	45°7	45°9	—	46°0	45°6	47°6
	7	49°4	49°3	49°2	—	—	—	—	—	—	—	—	—
	8	—	—	—	50°5	50°6	50°3	49°0	48°6	48°1	48°4	49°4	49°2
	9	45°5	45°5	46°2	47°0	—	47°3	46°6	47°3	47°5	47°6	47°8	48°2
	10	49°4	49°2	48°7	48°5	48°2	47°6	46°2	45°2	44°8	44°0	43°5	42°6
	11	39°6	39°8	40°4	39°4	—	—	—	—	—	—	35°6	36°2
	12	37°0	35°8	35°2	36°0	36°0	36°0	36°0	36°2	36°2	36°2	36°3	35°8
	13	41°0	40°4	40°2	40°0	—	39°3	38°8	38°2	37°6	37°4	37°8	38°0
	14	42°7	40°7	40°3	—	—	—	—	—	—	—	—	—
	15	—	—	—	39°9	39°6	39°3	38°7	38°3	38°2	38°0	37°8	38°2
	16	42°4	42°2	42°7	42°6	42°4	42°2	41°8	41°4	42°0	41°0	41°2	41°0
	17	38°2	39°0	39°0	39°6	40°0	40°5	40°4	41°6	41°2	41°0	40°0	39°5
	18	38°4	39°0	39°1	38°3	37°0	36°4	36°0	36°0	—	36°4	36°6	37°0
	19	42°4	42°0	41°7	41°4	41°4	41°0	41°0	41°0	41°0	40°6	39°8	39°9
	20	37°4	35°8	35°8	35°6	35°0	34°2	33°8	33°2	33°0	32°5	32°8	32°2
	21	37°0	37°0	37°0	—	—	—	—	—	—	—	—	—
	22	—	—	—	40°4	39°2	39°0	38°8	38°0	37°0	36°6	36°2	36°4
	23	43°2	42°2	42°0	41°0	40°0	39°1	38°9	38°5	39°1	37°8	37°7	37°2
	24	41°2	40°2	40°0	39°8	39°7	39°2	37°9	36°6	—	34°6	34°0	34°8
	25	38°0	37°2	36°6	36°2	35°6	35°4	35°4	35°2	35°5	35°6	35°4	35°8
	26	48°0	48°2	48°2	48°0	47°2	47°0	47°0	46°5	—	45°6	45°8	46°4
	27	45°9	45°8	45°1	44°1	—	42°8	42°8	42°4	41°8	41°0	40°8	40°2
	28	45°0	45°1	45°2	—	—	—	—	—	—	—	—	—
	29	—	—	—	48°0	47°8	47°4	47°2	47°2	—	46°6	45°9	46°4
	30	50°4	51°0	47°0	46°0	46°0	46°0	45°9	45°7	45°8	46°0	46°2	46°4
Hourly Means	42°75	42°42	42°22	42°27	41°78	41°62	41°27	40°99	40°47	40°60	40°32	40°13	

* Bulb dry.

WET THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
51.1	52.6	53.5	52.0	51.6	50.7	51.0	49.7	48.7	48.5	47.2	48.7	50.07
48.8	49.6	50.6	49.8	49.5	49.2	49.4	48.8	48.4	48.4	48.6	48.8	48.37
—	—	—	—	—	—	—	—	—	—	—	—	47.59
44.8	47.0	49.4	52.0	53.3	53.5	53.4	52.5	52.1	51.3	51.7	51.7	51.64
52.1	53.7	55.1	56.2	56.6	55.0	54.0	53.5	51.5	49.8	49.6	49.8	44.14
44.0	43.8	44.8	43.7	44.0	44.0	43.4	42.0	40.6	39.6	39.2	40.0	39.45
40.0	43.0	41.5	41.5	42.6	42.4	40.8	40.4	39.7	39.3	39.3	38.5	41.32
40.1	42.9	44.0	45.3	45.6	45.6	45.8	45.4	44.8	44.6	44.4	44.4	45.59
45.6	46.8	47.0	47.2	47.4	47.5	47.2	47.0	46.7	46.5	46.2	45.4	—
—	—	—	—	—	—	—	—	—	—	—	—	48.67
48.7	50.3	52.2	53.8	53.8	53.4	52.8	52.4	51.6	50.8	50.0	49.5	48.61
48.2	50.4	52.0	53.2	54.2	53.0	50.4	47.0	47.0	48.0	47.6	48.5	47.23
45.8	46.2	47.5	48.2	48.5	49.6	48.7	48.8	48.2	47.4	47.2	46.6	46.31
47.2	48.3	47.7	48.7	48.4	48.0	46.8	46.0	44.8	45.2	45.2	45.0	41.43
40.8	42.6	43.8	45.2	47.0	47.0	46.0	45.5	44.0	42.6	41.0	39.8	40.24
39.4	41.2	42.8	45.0	47.1	47.4	48.0	46.3	43.9	42.6	41.4	40.3	—
—	—	—	—	—	—	—	—	—	—	—	—	42.06
41.0	43.4	45.0	45.8	47.0	48.0	47.2	47.0	45.2	44.0	43.0	42.0	42.34
40.6	42.2	43.6	45.5	47.4	47.7	47.6	46.8	46.8	45.8	45.2	42.6	45.32
43.5	44.8	46.7	49.3	49.4	49.4	49.0	48.0	47.6	47.6	47.4	47.6	46.66
44.6	47.4	49.4	50.4	52.2	52.2	51.0	50.5	49.5	49.4	49.0	49.0	49.96
48.2	48.5	50.0	50.8	51.3	51.5	51.9	52.3	53.7	52.6	52.2	51.8	53.83
55.5	56.2	56.8	58.2	58.3	58.2	57.3	56.6	54.2	53.0	52.1	50.7	—
—	—	—	—	—	—	—	—	—	—	—	—	50.72
50.0	50.0	50.8	52.4	54.0	53.8	53.8	52.4	51.0	50.2	50.1	49.7	47.41
45.4	—	—	48.2	49.4	50.6	50.4	50.0	49.5	48.0	48.6	47.6	47.08
46.4	46.8	48.8	49.7	49.7	—	47.8	46.5	45.6	45.0	45.0	45.0	43.25
43.2	43.4	44.0	43.8	44.2	44.4	43.5	43.1	42.3	41.3	40.0	39.7	40.99
37.4	39.2	40.5	42.9	44.6	45.8	47.6	48.2	49.0	48.8	48.2	47.8	44.60
44.8	45.0	45.6	45.2	43.7	43.2	43.3	43.3	42.7	42.6	42.6	42.2	—
45.28	46.61	47.72	48.61	49.26	49.24	48.77	48.08	47.27	46.65	46.31	45.87	45.94
—	—	—	—	—	—	—	—	—	—	—	—	38.97
36.2	38.2	40.6	43.0	44.0	44.4	44.0	42.4	41.4	40.9	40.4	39.7	42.42
42.2	43.2	44.0	45.6	46.4	46.4	47.0	46.5	45.6	44.8	44.4	43.4	45.68
46.2	50.2	50.4	50.4	51.4	51.4	49.0	47.8	46.0	45.0	44.1	43.6	46.69
46.1	48.2	49.7	50.5	50.6	50.6	50.8	51.0	51.6	52.6	50.6	49.8	43.41
42.2	42.6	43.2	43.2	44.2	43.4	43.0	42.0	41.0	41.0	40.6	41.0	48.07
49.2	50.5	52.0	51.5	52.5	52.9	53.2	52.7	51.4	50.9	50.5	50.0	—
—	—	—	—	—	—	—	—	—	—	—	—	48.22
50.4	49.4	48.6	47.2	46.5	47.4	47.0	46.4	46.0	45.5	45.5	45.3	48.80
49.2	49.2	50.0	50.0	51.4	51.0	51.4	50.8	51.2	51.3	50.3	50.0	44.48
44.0	44.4	44.6	44.3	43.6	44.1	42.0	41.8	41.0	40.4	40.0	39.5	40.15
39.2	41.2	43.6	43.6	42.8	42.0	41.8	41.0	41.5	38.8	38.0	38.3	38.71
36.4	39.0	40.8	42.3	43.2	43.4	43.4	42.8	42.2	41.8	40.8	40.2	41.34
39.4	41.6	43.8	42.8	44.7	46.0	46.4	45.0	43.3	42.9	42.6	43.6	—
—	—	—	—	—	—	—	—	—	—	—	—	40.85
38.8	39.0	40.8	42.0	44.0	43.6	44.3	43.9	43.4	43.4	43.1	42.4	40.41
41.2	43.7	46.2	43.2	43.2	41.0	39.0	38.4	38.4	37.6	37.4	37.6	39.81
40.4	40.8	39.6	41.2	41.2	39.8	39.6	39.0	39.0	38.5	38.2	38.2	39.94
38.6	40.0	41.5	43.5	44.4	44.3	44.4	43.8	42.8	42.0	41.5	41.6	41.51
41.0	42.3	44.0	42.8	43.6	42.8	42.4	42.2	41.8	41.2	40.8	38.2	36.31
34.8	36.8	37.6	39.2	40.5	40.6	40.2	39.5	38.4	37.8	37.6	37.2	—
—	—	—	—	—	—	—	—	—	—	—	—	40.04
38.6	40.0	41.0	42.3	43.4	44.2	44.0	43.8	43.2	42.8	42.6	42.4	41.65
38.8	41.0	44.2	46.1	46.6	46.6	45.7	45.0	43.0	42.4	41.8	41.6	40.42
37.3	39.4	42.2	42.7	44.7	45.5	45.4	44.1	41.9	41.0	39.3	38.2	37.94
36.6	37.5	38.4	39.2	40.4	40.8	40.8	40.6	40.2	40.4	41.4	42.4	47.46
48.0	48.4	47.4	48.6	49.5	48.8	48.3	47.8	47.0	47.2	46.5	46.2	43.72
41.8	42.4	42.8	44.7	45.5	45.3	45.5	44.7	44.6	45.1	45.2	45.2	—
—	—	—	—	—	—	—	—	—	—	—	—	48.39
48.5	49.7	50.7	51.7	52.4	52.2	51.2	50.2	49.0	48.6	48.2	48.8	47.90
46.9	47.9	48.9	49.8	50.5	50.8	50.6	49.0	48.3	48.2	48.2	48.1	—
42.00	43.33	44.48	45.05	45.82	45.74	45.40	44.70	43.97	43.54	43.06	42.79	42.62

WET THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
JULY.	1	48°3	47°7	47°6	47°6	47°8	47°5	47°6	47°2	47°2	47°2	47°4	46°0
	2	43°8	43°4	43°2	43°0	42°4	42°4	41°5	41°2	41°0	40°4	40°0	40°7
	3	41°8	41°8	42°0	42°0	42°2	42°6	43°4	43°8	43°3	43°5	42°9	43°8
	4	43°6	43°8	44°2	44°8	—	45°1	44°4	44°1	42°8	41°7	41°3	41°4
	5	38°3	38°0	37°6	—	—	—	—	—	—	—	—	—
	6	—	—	—	37°1	36°7	36°9	37°3	37°4	37°0	36°6	36°4	37°4
	7	40°7	40°2	40°1	39°5	39°6	39°4	39°5	39°6	39°7	39°8	39°8	40°7
	8	45°0	44°8	45°2	45°6	45°7	46°2	46°4	46°0	45°4	45°2	44°7	44°6
	9	43°0	40°4	40°0	41°0	41°2	40°7	40°1	39°8	38°2	37°4	38°0	39°4
	10	38°1	37°7	37°5	36°5	36°3	36°2	35°8	35°7	35°7	35°7	35°6	36°2
	11	36°2	36°0	35°8	35°4	35°4	35°2	33°8	33°5	32°9	32°8	32°4	32°8
	12	39°4	39°2	38°9	—	—	—	—	—	—	—	—	—
	13	—	—	—	45°4	45°4	45°6	45°8	44°8	44°8	44°7	48°7	50°8
	14	49°8	49°4	48°8	48°6	48°0	47°4	46°2	45°4	44°3	43°6	43°8	43°4
	15	46°2	46°4	46°4	46°2	—	44°4	42°5	41°7	41°0	40°2	40°0	41°4
	16	43°2	42°7	42°0	41°8	41°2	40°8	40°2	39°6	39°5	39°2	39°2	39°2
	17	40°4	40°0	40°2	41°2	40°5	40°4	39°0	39°2	39°1	38°7	38°5	39°5
	18	42°5	42°5	43°7	44°0	42°4	42°8	41°4	41°3	—	40°8	39°8	40°6
	19	39°8	39°5	39°8	—	—	—	—	—	—	—	—	—
	20	—	—	—	46°4	46°0	45°4	44°2	43°7	43°4	43°2	43°8	44°2
	21	38°5	39°0	39°3	39°5	40°4	40°0	40°0	40°0	40°0	40°0	40°8	40°8
	22	42°8	42°0	42°0	41°6	41°4	41°5	40°4	39°0	38°2	37°5	36°4	36°8
	23	37°4	37°5	37°2	36°7	—	37°4	36°8	36°3	37°0	37°2	37°5	37°9
	24	44°5	44°6	44°8	45°0	45°2	45°0	45°4	45°0	45°0	45°0	44°7	45°3
	25	44°2	42°8	42°2	41°3	39°4	38°8	38°2	37°2	—	35°2	35°3	36°6
	26	38°4	38°2	38°3	—	—	—	—	—	—	—	—	—
	27	—	—	—	42°0	42°2	42°6	42°6	42°8	42°0	41°4	41°4	42°6
	28	43°8	43°6	43°5	43°0	42°8	42°0	41°4	41°8	41°1	42°5	42°3	42°7
	29	47°6	46°8	46°0	45°8	45°4	45°2	44°8	44°4	44°3	43°6	43°8	44°4
	30	43°5	43°0	43°0	42°6	42°5	41°5	40°3	40°6	—	40°0	39°0	40°2
	31	45°8	46°0	44°8	44°5	43°6	42°8	41°8	41°4	41°5	41°5	41°4	42°0
Hourly Means	42°47	42°11	42°00	42°52	42°24	42°07	41°51	41°20	41°02	40°54	40°55	41°16	
AUGUST.	1	40°4	40°2	40°4	40°0	39°6	39°3	39°8	40°3	40°8	40°7	41°2	41°7
	2	41°6	41°5	41°0	—	—	—	—	—	—	—	—	—
	3	—	—	—	42°8	42°2	41°8	41°6	41°4	41°6	42°3	43°3	43°3
	4	39°4	39°2	39°5	39°7	39°4	39°2	38°6	38°6	38°6	39°0	39°0	41°2
	5	43°8	41°8	42°0	42°5	40°8	41°5	40°3	41°2	40°8	40°2	40°4	41°2
	6	41°2	41°4	40°4	40°7	40°2	39°6	40°2	40°2	—	38°4	39°2	40°4
	7	46°4	46°2	45°4	45°0	44°5	44°0	42°0	40°2	40°4	39°4	39°4	40°1
	8	41°0	41°2	41°2	39°7	39°0	38°3	38°3	37°8	—	37°6	37°8	38°4
	9	36°3	36°3	36°4	—	—	—	—	—	—	—	—	—
	10	—	—	—	39°8	40°5	40°0	39°8	40°2	41°2	40°7	40°8	42°0
	11	45°2	45°0	45°0	45°2	44°9	44°4	44°3	44°0	43°8	43°8	43°5	45°4
	12	43°3	41°4	40°6	40°6	41°0	40°8	41°2	41°2	41°5	—	41°7	44°1
	13	38°4	38°2	37°8	38°0	38°3	37°7	37°5	36°2	35°6	35°4	33°8	37°1
	14	43°2	43°2	43°5	43°2	42°8	41°6	42°2	42°4	41°8	41°0	41°8	44°0
	15	40°6	39°3	38°0	37°8	—	37°0	36°8	35°8	36°0	36°2	35°8	37°2
	16	37°2	36°8	36°8	—	—	—	—	—	—	—	—	—
	17	—	—	—	41°9	41°7	41°6	41°4	41°3	41°0	40°6	41°0	43°6
	18	41°2	41°4	40°7	40°3	40°0	39°8	39°2	39°4	38°6	38°2	38°5	39°0
	19	39°8	39°8	39°5	39°8	40°0	40°0	39°7	39°4	39°0	38°8	39°2	40°4
	20	43°0	42°7	43°2	42°2	41°7	41°1	41°2	40°7	40°5	40°4	40°2	41°2
	21	44°5	42°5	42°0	40°8	—	40°2	39°4	38°8	38°2	38°2	38°0	39°0
	22	35°8	35°8	35°8	35°4	35°0	34°2	34°0	34°4	34°4	34°6	35°3	36°1
	23	46°5	46°2	46°3	—	—	—	—	—	—	—	—	—
	24	—	—	—	38°8	38°6	38°0	37°8	37°0	37°3	37°2	36°9	39°0
	25	42°8	42°2	41°8	42°2	—	41°8	42°4	42°0	42°7	42°3	41°5	42°5
	26	46°0	45°2	43°4	42°2	42°2	41°4	41°2	40°8	40°2	40°8	42°2	43°4
	27	43°2	42°3	41°0	41°2	—	42°0	42°2	42°2	43°1	43°7	44°1	45°8
	28	44°2	45°2	44°8	44°8	45°7	45°2	44°5	44°0	43°9	43°3	44°7	46°4
	29	46°4	45°4	45°3	45°0	44°3	44°0	43°6	43°2	43°5	43°6	44°2	45°6
	30	41°8	41°4	41°2	—	—	—	—	—	—	—	—	—
	31	—	—	—	40°3	40°4	40°4	41°2	41°6	42°8	43°3	44°5	46°2
Hourly Means	42°05	41°61	41°27	41°15	41°04	40°57	40°40	40°17	40°30	39°99	40°31	41°70	

WET THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
46°0	45°4	45°4	45°4	46°0	46°2	46°0	45°2	44°6	44°2	44°0	43°6	46°30
43°0	44°5	45°6	45°7	47°0	47°2	46°4	45°0	44°7	44°4	42°5	41°7	43°36
45°3	47°7	49°1	48°2	48°2	47°6	47°4	46°0	45°2	45°0	44°8	44°2	44°66
43°0	44°2	44°0	44°6	43°8	43°9	42°4	42°3	41°8	40°4	39°7	38°8	42°87
—	—	—	—	—	—	—	—	—	—	—	—	—
39°0	41°0	41°7	42°6	43°6	43°2	43°4	43°1	42°7	42°0	41°0	40°6	39°61
43°6	43°8	45°4	46°2	47°2	46°8	46°2	45°2	44°8	44°4	44°8	44°8	42°57
46°3	48°0	49°0	49°3	49°7	50°0	49°0	46°0	45°6	44°6	43°8	44°0	46°25
41°5	43°0	44°2	45°3	46°1	46°2	45°8	44°4	42°3	41°2	40°0	39°2	41°60
36°8	39°3	40°4	41°6	42°5	—	42°0	41°0	38°8	37°8	37°4	37°2	37°90
34°0	36°2	39°5	43°1	44°8	45°2	45°0	44°0	42°0	40°5	39°5	39°0	37°70
—	—	—	—	—	—	—	—	—	—	—	—	—
51°2	52°6	53°5	55°2	55°0	55°2	53°2	52°2	51°2	51°2	50°6	50°2	48°53
45°0	45°7	47°2	47°8	49°7	50°0	50°0	49°2	48°4	47°2	47°0	47°0	47°20
43°3	46°3	49°5	50°5	49°6	50°0	49°7	48°8	47°7	46°7	45°0	44°2	45°55
40°0	42°6	43°4	44°8	45°0	45°4	45°2	44°8	43°6	42°6	41°2	40°8	42°00
40°0	42°0	44°5	46°6	47°4	48°5	48°9	47°6	45°2	44°2	—	43°0	42°37
42°6	44°2	45°8	45°8	46°2	46°3	45°3	44°8	42°8	41°4	40°7	40°1	42°95
—	—	—	—	—	—	—	—	—	—	—	—	—
44°7	45°3	46°3	46°4	46°0	45°2	45°3	43°0	41°7	40°2	39°6	39°2	43°43
42°4	42°8	43°8	44°3	45°8	46°2	46°0	44°8	42°8	43°2	43°0	43°0	41°93
38°1	39°8	41°2	42°0	42°7	43°0	42°7	42°5	41°0	39°7	38°8	37°6	40°36
39°9	42°3	43°4	45°2	46°2	46°8	46°8	46°7	46°3	45°0	44°2	44°0	41°12
46°2	47°1	48°5	50°8	52°8	52°0	50°4	49°8	47°0	47°5	47°0	45°8	46°85
38°6	41°0	42°0	44°6	44°0	44°7	44°8	44°3	42°0	39°8	39°7	39°4	40°70
—	—	—	—	—	—	—	—	—	—	—	—	—
45°0	45°7	47°2	49°1	50°0	48°8	47°2	47°0	45°5	45°0	44°4	—	43°89
43°4	46°0	46°8	48°5	50°2	50°2	50°0	49°2	48°6	48°2	48°0	47°8	45°31
44°6	45°5	47°0	49°4	49°6	49°0	49°0	47°8	47°4	45°0	44°4	44°0	46°03
41°9	45°0	45°0	45°9	46°8	48°7	47°4	47°7	46°8	46°3	46°5	46°2	43°93
43°2	43°7	44°6	43°6	44°4	43°8	43°4	42°8	41°4	41°4	40°3	40°4	42°92
42°54	44°10	45°33	46°39	47°05	47°31	46°63	45°75	44°52	43°67	42°99	42°53	43°26
43°3	44°0	45°3	46°2	47°0	47°0	46°6	46°2	44°5	43°2	43°0	42°4	42°63
—	—	—	—	—	—	—	—	—	—	—	—	—
44°7	45°0	44°2	44°2	42°8	43°8	43°4	41°4	41°0	45°0	39°6	40°2	42°30
43°0	43°5	45°1	47°2	48°2	48°7	48°5	48°0	47°2	46°6	45°3	45°3	42°83
43°1	44°9	47°2	48°5	48°8	47°7	46°9	45°5	44°7	43°0	42°2	42°1	43°38
42°7	48°5	50°0	50°3	50°2	50°2	49°8	49°6	48°8	48°6	48°0	47°2	44°60
42°1	43°1	44°0	44°5	44°6	44°0	43°5	44°0	41°5	40°0	39°7	40°2	42°67
39°2	38°8	41°3	40°5	41°6	41°5	40°7	40°6	39°6	38°6	37°8	36°8	39°45
—	—	—	—	—	—	—	—	—	—	—	—	—
43°1	45°7	47°5	49°3	49°0	49°0	48°8	48°4	47°0	45°8	45°7	45°5	43°28
46°7	47°4	48°7	49°0	48°7	49°6	49°2	48°8	47°5	46°8	45°0	44°3	46°09
44°0	43°2	43°0	43°4	43°2	43°8	43°2	42°4	39°8	38°8	38°8	38°2	41°70
39°6	42°2	44°6	46°6	46°2	47°4	46°0	44°8	44°2	44°0	44°2	43°4	40°72
45°4	46°7	47°4	47°5	49°6	46°7	46°7	46°2	44°3	43°3	42°6	41°5	44°11
39°8	40°6	43°1	41°3	43°4	42°5	40°8	39°9	40°0	38°0	38°0	37°4	38°93
—	—	—	—	—	—	—	—	—	—	—	—	—
45°8	46°3	47°0	47°3	47°9	49°3	47°7	47°5	46°6	44°7	43°2	41°8	43°33
39°4	40°2	41°8	43°7	45°4	45°6	45°6	44°8	44°4	43°0	42°2	40°6	41°37
42°4	44°4	46°8	47°4	48°0	48°8	48°0	48°8	47°4	45°2	44°2	43°5	42°93
42°5	45°6	46°8	48°2	49°8	47°2	50°3	50°3	48°6	48°0	47°7	44°9	44°50
39°4	40°5	41°2	40°0	42°0	42°2	43°2	42°2	39°6	37°8	37°4	36°8	40°17
37°1	40°5	42°9	46°1	46°7	48°0	49°0	49°0	47°5	47°0	46°7	46°5	40°32
—	—	—	—	—	—	—	—	—	—	—	—	—
40°6	42°6	44°0	44°4	44°8	44°8	45°0	44°6	42°8	42°8	43°2	42°2	41°72
45°7	48°8	50°2	50°5	50°5	50°0	50°0	49°2	48°8	47°0	46°5	46°2	45°55
45°3	46°8	48°3	49°1	49°0	48°8	49°5	48°1	45°2	44°6	43°0	42°6	44°55
47°5	48°6	49°2	50°0	50°8	50°6	49°2	49°0	47°4	46°2	45°4	44°8	45°63
48°0	49°8	50°4	51°0	52°7	54°8	51°6	51°0	51°5	48°4	48°2	47°2	47°55
47°4	47°9	50°0	50°4	50°7	51°2	51°3	49°6	46°4	44°4	43°0	42°7	46°21
—	—	—	—	—	—	—	—	—	—	—	—	—
48°4	48°7	49°5	50°3	50°2	50°0	49°8	49°3	47°2	46°2	46°2	46°4	45°30
43°31	44°78	46°13	46°80	47°37	47°43	47°09	46°51	45°13	43°95	43°34	42°72	43°15

WET THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
SEPTEMBER.	1	46.7	46.7	46.7	47.2	48.3	46.8	46.6	45.6	45.4	45.6	46.8	47.8
	2	46.7	46.0	45.4	44.4	45.4	45.2	45.2	45.0	45.2	45.3	45.6	47.5
	3	48.2	48.0	48.2	48.8	49.0	49.2	48.2	47.6	46.3	45.2	45.6	46.8
	4	42.5	42.0	40.7	39.8	39.0	38.0	38.0	37.8	37.5	37.6	39.3	42.0
	5	43.8	42.8	43.2	43.0	42.8	42.6	42.2	41.7	41.5	41.0	42.2	44.5
	6	47.0	46.3	46.7	—	—	—	—	—	—	—	—	—
	7	—	—	—	45.3	44.2	44.0	44.2	44.0	43.8	43.0	44.2	45.8
	8	46.2	46.0	45.2	44.8	44.0	43.0	42.4	42.2	41.4	41.2	42.5	44.8
	9	52.8	52.0	51.0	50.0	47.0	47.0	47.0	45.2	44.3	44.7	45.5	46.7
	10	52.6	52.8	52.0	51.3	50.6	50.0	50.0	48.6	46.4	45.0	44.0	43.2
	11	37.8	37.6	37.8	37.7	37.8	37.8	37.4	37.4	37.2	37.0	39.8	41.6
	12	45.2	45.0	45.0	45.0	44.5	44.7	44.6	44.7	44.6	44.6	45.4	46.2
	13	45.8	44.2	43.6	—	—	—	—	—	—	—	—	—
	14	—	—	—	53.4	53.2	53.0	52.8	50.6	49.6	47.2	47.5	48.2
	15	42.4	42.0	41.8	41.4	41.2	41.0	41.0	40.6	39.3	38.7	41.4	43.5
	16	40.0	40.0	39.2	39.4	39.4	39.3	39.6	40.0	—	40.8	43.0	45.2
	17	44.8	45.2	45.2	44.4	44.8	45.2	45.4	45.0	45.0	44.5	47.5	46.0
	18	46.0	46.8	46.6	46.2	45.0	43.6	43.0	43.4	43.0	43.0	44.7	46.1
	19	48.6	47.2	46.5	46.7	—	—	—	48.0	48.4	48.8	49.6	50.8
	20	45.2	46.2	45.9	—	—	—	—	—	—	—	—	—
	21	—	—	—	42.0	42.0	42.2	41.6	41.7	41.7	42.5	44.6	46.0
	22	45.2	45.6	44.0	43.0	42.3	42.3	42.0	42.4	42.6	42.2	43.4	45.0
	23	49.7	47.5	46.1	44.6	43.6	42.4	41.8	41.4	40.0	39.0	40.0	40.0
	24	42.4	41.8	41.2	41.4	42.0	42.0	42.8	41.6	42.2	42.9	44.8	47.7
	25	50.0	49.5	49.0	49.1	48.8	49.0	48.6	48.2	48.4	48.2	48.0	48.8
	26	49.2	48.4	47.0	46.7	47.0	47.4	47.2	47.8	47.7	48.0	49.7	50.6
	27	48.2	48.2	48.6	—	—	—	—	—	—	—	—	—
	28	—	—	—	52.5	52.7	53.2	55.8	53.2	52.4	51.8	52.2	52.2
	29	45.9	45.8	46.1	45.8	45.4	45.4	45.6	45.4	45.6	45.5	45.7	46.8
	30	49.6	49.6	49.4	49.2	49.2	49.2	49.1	48.4	—	49.1	49.3	50.0
Hourly Means	46.25	45.90	45.46	45.50	45.17	44.94	44.88	44.52	44.15	43.94	45.09	46.30	
OCTOBER.	1	53.2	52.9	52.8	52.8	52.9	52.9	52.3	51.3	51.1	51.6	51.8	53.8
	2	48.0	47.5	47.4	46.8	47.2	46.8	46.4	46.2	46.5	46.7	48.5	50.3
	3	50.0	49.7	49.4	49.2	49.2	49.2	49.3	49.3	48.8	48.2	49.6	51.0
	4	51.7	51.5	51.7	—	—	—	—	—	—	—	—	—
	5	—	—	—	53.4	53.0	52.8	52.4	51.2	50.7	50.9	52.1	53.1
	6	48.0	48.2	46.0	43.0	41.7	41.4	41.1	39.7	39.3	40.1	40.5	42.0
	7	41.2	40.2	39.2	38.2	37.3	37.1	36.6	35.7	—	35.6	37.2	40.6
	8	47.2	47.3	47.3	46.9	46.2	46.4	46.0	47.0	47.0	46.5	46.8	47.4
	9	48.0	47.8	47.5	46.5	46.6	46.8	47.0	46.9	47.2	47.7	48.8	50.7
	10	49.5	49.5	49.3	49.3	49.2	49.0	48.7	48.3	48.0	47.6	48.2	49.0
	11	50.4	50.5	50.6	—	—	—	—	—	—	—	—	—
	12	—	—	—	54.6	54.2	54.2	54.0	53.6	53.8	54.0	54.3	55.0
	13	56.2	55.4	53.2	52.3	51.3	50.1	49.2	49.0	48.2	47.8	46.8	45.8
	14	42.8	42.6	42.8	42.9	—	42.5	42.0	41.8	41.4	42.0	44.5	45.3
	15	48.0	47.6	46.0	45.8	44.6	43.7	44.0	42.8	42.5	42.6	46.9	48.2
	16	48.9	48.3	48.6	48.0	47.4	48.0	43.9	42.4	42.0	41.2	41.0	42.8
	17	44.2	44.0	43.4	43.7	43.5	—	43.8	43.6	44.1	44.7	46.2	46.8
	18	44.4	42.8	42.8	—	—	—	—	—	—	—	—	—
	19	—	—	—	39.1	39.0	38.8	39.2	39.5	40.2	41.2	44.2	47.2
	20	43.2	42.9	42.5	42.1	41.8	42.0	42.0	42.2	42.4	42.7	44.9	45.8
	21	47.2	46.8	44.2	44.4	43.5	43.2	42.5	43.0	43.9	44.3	46.2	48.1
	22	49.5	48.5	47.7	47.1	45.6	45.1	45.2	43.6	44.0	45.4	48.6	50.2
	23	50.4	50.2	49.0	48.5	47.4	44.2	42.4	41.8	42.2	42.6	45.1	46.4
	24	45.4	44.0	43.6	43.0	—	41.3	41.0	39.5	—	41.3	43.5	44.4
	25	44.0	43.5	43.5	—	—	—	—	—	—	—	—	—
	26	—	—	—	45.4	46.0	46.4	47.0	46.6	—	—	48.6	49.1
	27	56.0	56.0	56.2	57.2	58.2	53.0	52.8	52.5	52.9	54.0	55.2	57.2
	28	58.0	58.0	57.2	57.2	57.3	57.0	56.8	56.3	—	56.0	56.8	58.8
	29	62.0	61.6	60.3	58.8	57.6	56.4	55.8	54.8	54.7	56.0	57.1	58.1
	30	51.4	51.4	51.2	51.2	50.6	50.8	51.4	51.4	52.0	52.7	53.9	54.6
	31	50.0	50.1	49.1	47.7	47.3	47.7	47.2	46.0	47.2	48.0	49.6	50.1
Hourly Means	49.22	48.84	48.24	47.97	47.94	47.18	46.67	46.15	46.53	46.60	48.03	49.33	

WET THERMOMETER.												Daily and Monthly Means.
12	13	14	15	16	17	18	19	20	21	22	23	
21	22	23	0	1	2	3	4	5	6	7	8	
47.2	47.6	48.9	51.0	51.8	52.3	52.9	50.8	49.3	48.1	47.4	47.0	48.10
48.5	52.0	51.6	52.3	52.5	52.7	52.2	52.7	51.4	49.8	49.6	49.4	48.40
48.3	48.6	48.3	47.6	48.2	48.4	48.0	46.2	45.2	44.5	43.0	42.0	47.06
43.5	46.1	47.1	48.5	50.0	50.4	50.4	49.8	48.8	47.4	46.2	45.0	43.64
46.0	48.2	49.8	50.2	51.8	51.7	50.1	49.5	48.4	48.1	47.5	47.3	45.83
—	—	—	—	—	—	—	—	—	—	—	—	47.65
47.0	48.6	50.1	52.1	53.2	53.6	53.1	52.3	51.0	49.1	47.8	47.2	48.88
46.9	50.3	52.2	54.0	55.6	56.0	57.2	57.6	56.6	55.4	54.2	53.4	51.02
49.1	53.3	55.5	56.7	57.2	57.0	55.2	55.0	54.0	53.8	53.4	—	45.90
44.8	43.4	43.6	44.9	44.8	45.5	44.4	43.3	42.6	39.8	39.3	38.6	41.97
43.6	45.3	45.5	47.8	47.2	46.8	46.8	46.2	45.8	45.2	45.2	45.0	47.35
47.2	48.8	50.4	50.6	51.8	52.0	52.0	51.2	50.2	48.7	47.5	46.5	48.87
—	—	—	—	—	—	—	—	—	—	—	—	41.95
48.8	49.5	50.6	51.6	51.2	51.2	50.2	49.0	47.0	44.8	43.8	46.0	44.73
43.4	43.2	43.6	44.1	44.0	43.0	44.0	43.5	42.2	41.5	40.0	40.0	46.16
46.5	48.2	50.2	54.0	51.0	51.8	50.0	49.3	46.8	45.4	45.1	44.6	48.20
48.5	48.0	47.3	47.2	47.2	47.0	46.8	46.8	46.6	46.2	46.8	46.4	50.79
48.0	49.4	51.2	52.0	53.0	53.8	54.0	53.3	52.5	52.0	50.3	49.8	46.35
52.2	54.2	54.3	55.4	56.0	56.5	55.8	55.4	54.0	48.2	45.0	45.0	48.62
—	—	—	—	—	—	—	—	—	—	—	—	42.56
46.8	47.6	48.6	50.2	50.6	50.8	50.9	51.5	50.0	49.0	47.7	47.0	47.52
46.4	50.0	54.0	56.2	56.4	56.2	56.2	56.0	55.0	54.4	54.0	52.2	51.32
40.4	41.4	41.2	40.0	43.0	42.8	44.8	43.2	43.2	42.0	41.8	41.6	50.04
49.3	50.0	51.8	52.2	52.5	54.4	55.5	54.8	53.0	52.0	51.2	51.0	50.18
50.5	51.7	52.0	55.3	56.7	56.4	57.8	56.8	55.8	53.2	50.8	49.0	47.58
52.8	54.4	55.5	55.6	54.7	52.8	52.3	51.0	50.0	48.6	48.4	48.2	51.20
—	—	—	—	—	—	—	—	—	—	—	—	47.38
53.1	52.0	50.7	49.7	49.0	48.8	48.0	47.0	47.4	46.3	45.7	45.6	49.90
47.3	48.2	49.2	49.4	50.2	50.2	50.2	50.2	49.8	49.4	49.4	49.4	52.67
50.2	51.4	52.2	52.8	53.7	54.2	54.3	54.8	54.4	52.2	52.5	52.9	50.59
47.55	48.90	49.82	50.82	51.28	51.40	51.27	50.66	49.65	48.27	47.45	46.80	51.68
53.1	53.8	54.9	54.9	55.4	54.0	53.5	53.0	52.3	52.0	49.3	48.4	52.15
51.8	54.2	55.9	55.2	55.8	55.6	55.4	54.4	53.0	52.0	51.4	51.0	42.60
53.4	54.5	55.2	56.4	55.3	55.4	54.8	53.6	53.2	52.3	51.9	51.5	43.02
—	—	—	—	—	—	—	—	—	—	—	—	48.55
54.0	53.7	54.6	52.7	53.2	54.0	53.6	53.0	51.4	50.4	48.2	48.2	49.58
41.4	42.4	42.2	44.0	44.6	43.9	43.7	42.6	42.0	41.9	41.5	41.3	50.78
43.8	44.5	45.3	47.1	50.4	50.0	48.8	49.0	48.5	48.0	47.8	47.3	56.99
49.9	51.8	52.0	51.8	51.0	50.4	50.2	50.4	49.8	49.2	48.4	48.2	47.63
50.8	51.5	51.6	52.0	52.6	53.0	54.2	54.0	51.0	49.5	49.0	49.2	46.47
50.7	52.4	54.7	55.8	55.7	55.3	53.4	52.7	51.4	50.5	50.3	50.3	48.05
—	—	—	—	—	—	—	—	—	—	—	—	44.93
57.5	60.1	61.4	62.8	61.7	61.0	62.0	61.2	61.2	61.2	61.2	57.4	46.33
44.9	44.4	46.0	43.9	44.5	46.7	46.0	45.7	45.0	44.4	43.3	43.0	45.20
46.4	48.6	50.0	50.6	51.6	51.6	52.2	51.2	50.0	49.0	48.2	48.8	45.51
49.3	50.0	51.5	51.7	52.3	53.6	54.2	52.0	49.5	49.0	48.7	48.7	48.80
43.8	45.1	45.6	45.7	45.2	46.8	45.2	45.0	43.7	43.1	42.7	43.9	50.82
48.2	49.0	49.2	48.8	48.0	47.3	48.9	49.8	47.9	47.5	47.0	46.0	46.96
—	—	—	—	—	—	—	—	—	—	—	—	44.94
49.1	50.5	51.3	51.7	50.8	50.2	49.2	49.7	48.0	46.8	44.9	44.2	51.40
47.2	48.0	48.2	50.5	—	50.0	50.2	48.6	48.2	47.6	47.4	46.4	58.27
51.1	53.3	54.1	55.3	53.3	54.5	53.0	52.2	52.5	52.0	51.5	51.0	60.52
52.7	54.2	56.5	57.3	56.2	57.0	57.2	58.3	54.5	53.2	51.6	50.6	57.65
46.9	48.2	49.2	48.8	49.8	50.4	50.0	49.4	47.2	45.8	45.8	45.4	53.71
45.2	46.5	46.9	48.1	49.2	48.8	48.5	48.2	46.2	46.2	44.8	43.8	51.50
—	—	—	—	—	—	—	—	—	—	—	—	49.90
49.5	51.2	54.0	55.5	58.2	59.6	58.2	58.4	57.4	56.8	56.0	56.0	—
58.6	59.4	61.8	61.4	63.2	63.0	64.0	64.2	62.0	62.0	59.2	58.5	—
61.5	64.5	63.3	65.4	64.8	63.6	65.0	64.5	63.3	62.8	62.2	61.7	—
58.2	58.2	60.2	60.6	60.8	59.2	59.4	57.8	56.8	54.5	52.8	51.8	—
55.0	56.0	57.3	57.1	58.9	57.0	58.0	57.0	54.1	53.0	51.5	51.6	—
52.1	54.2	54.6	55.0	54.7	55.3	54.4	55.9	54.8	55.3	54.7	54.8	—
50.60	51.85	52.87	53.34	53.74	53.60	53.45	53.03	51.66	50.96	50.02	49.60	—

WET THERMOMETER.													
Hours of Mean Göttingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
NOVEMBER.	1	54°2	54°1	53°6	—	—	—	—	—	—	—	—	
	2	—	—	—	48°0	47°8	47°7	47°4	47°0	46°8	46°0	45°8	
	3	42°0	42°0	42°2	41°6	43°2	42°8	43°6	44°1	44°4	44°6	46°0	48°2
	4	46°2	45°8	45°6	45°8	—	46°0	46°0	46°6	47°2	49°0	50°2	51°9
	5	52°4	51°4	50°6	49°8	48°8	48°4	48°0	48°1	48°8	49°7	51°1	54°2
	6	56°4	56°0	55°6	55°0	54°8	54°4	53°4	53°4	—	49°8	47°8	48°2
	7	41°4	41°4	41°4	41°8	41°5	41°8	41°8	42°3	43°5	47°8	48°6	49°0
	8	45°3	45°5	45°6	—	—	—	—	—	—	—	—	—
	9	—	—	—	49°1	48°8	48°2	47°3	47°7	48°2	49°0	50°6	52°4
	10	53°1	53°4	53°1	52°6	52°6	51°2	50°8	50°4	—	53°2	55°6	56°5
	11	45°8	45°3	44°8	44°7	44°8	44°5	44°0	44°0	—	46°8	47°6	48°2
	12	45°0	44°4	44°0	43°8	44°1	44°0	43°6	43°0	43°6	44°2	45°0	46°8
	13	49°0	48°2	48°0	47°3	47°4	47°0	46°8	46°2	47°2	48°2	51°2	53°1
	14	52°2	51°8	51°6	51°4	51°2	51°0	—	—	50°3	51°3	50°0	50°2
	15	48°5	48°7	48°2	—	—	—	—	—	—	—	—	—
	16	—	—	—	43°4	43°0	42°6	41°8	41°4	41°5	44°0	46°8	49°2
	17	51°0	50°4	50°8	49°4	49°0	48°0	47°0	47°0	—	49°8	51°9	54°4
	18	52°2	51°0	50°9	50°7	51°8	52°3	53°1	53°2	—	54°6	55°4	56°8
	19	55°6	55°0	54°6	53°7	52°6	51°4	50°8	50°0	—	53°2	55°0	57°0
	20	60°0	59°2	58°0	57°8	57°1	56°0	55°5	55°0	55°5	57°5	59°6	61°3
	21	60°0	59°5	59°0	58°9	58°8	58°8	58°8	59°3	59°8	60°6	60°2	60°6
	22	59°3	59°3	59°6	—	—	—	—	—	—	—	—	—
	23	—	—	—	51°2	52°2	51°8	50°2	48°0	—	50°5	52°1	52°6
	24	51°2	50°0	49°0	48°8	48°3	47°7	47°0	46°8	48°4	50°0	52°4	51°6
	25	53°2	53°1	53°4	53°0	53°2	53°4	53°0	52°6	52°4	52°8	52°5	54°5
	26	49°8	49°8	50°0	50°0	50°2	50°7	50°2	50°2	50°9	51°3	53°6	55°0
	27	55°2	55°0	54°8	53°4	53°0	53°2	53°1	52°5	52°6	53°8	56°0	56°8
	28	61°8	62°5	61°8	60°2	—	59°0	59°0	59°0	58°9	59°2	59°2	60°0
	29	54°0	54°0	53°8	a—	—	—	—	—	—	—	—	—
Hourly Means	51°79	51°47	51°20	50°58	49°74	49°66	49°23	49°03	49°82	50°73	51°85	53°10	
DECEMBER.	1	60°2	60°7	60°2	60°0	59°8	59°6	58°8	58°0	57°0	56°0	56°8	57°2
	2	51°2	51°2	51°8	52°2	52°0	52°0	52°0	51°6	52°0	53°6	55°1	56°3
	3	55°0	55°0	54°0	53°4	53°2	52°6	51°2	51°0	52°4	55°0	56°2	58°0
	4	58°7	58°7	58°4	57°7	57°4	57°2	57°0	56°6	56°2	56°6	57°1	58°0
	5	60°0	61°0	61°2	61°0	58°9	59°0	57°5	57°0	57°0	57°5	58°8	57°3
	6	55°0	54°0	54°0	—	—	—	—	—	—	—	—	—
	7	—	—	—	64°4	64°0	63°6	63°0	63°0	b—	61°0	63°2	65°2
	8	49°6	50°2	49°8	49°2	49°2	47°0	47°5	47°2	48°4	49°8	51°7	52°2
	9	46°8	45°0	44°2	44°5	44°5	44°0	43°7	43°4	—	47°0	49°2	50°2
	10	48°1	47°7	47°5	47°3	46°4	45°8	45°6	45°8	46°0	48°2	50°0	53°0
	11	54°4	54°6	54°6	53°6	53°5	53°3	53°2	53°3	53°9	53°2	53°4	54°3
	12	52°4	52°5	52°5	52°0	52°4	52°3	51°3	50°3	51°8	52°0	53°6	55°2
	13	52°4	52°7	52°4	—	—	—	—	—	—	—	—	—
	14	—	—	—	51°8	51°2	51°2	51°8	52°1	52°0	53°2	54°2	54°4
	15	51°7	50°2	49°5	48°8	—	—	—	47°5	48°0	50°0	52°0	55°0
	16	55°2	53°7	54°1	53°5	52°2	—	52°0	51°8	52°5	54°3	56°0	57°3
	17	55°0	55°0	55°2	55°8	55°5	54°8	54°2	54°0	—	56°6	56°7	58°1
	18	53°5	52°2	49°6	48°0	48°2	48°2	47°4	46°5	48°6	51°2	52°2	51°2
	19	54°6	54°5	54°5	54°2	54°0	54°4	54°0	53°6	54°7	55°3	55°8	57°0
	20	56°4	53°5	52°2	—	—	—	—	—	—	—	—	—
	21	—	—	—	52°8	52°5	52°6	52°4	51°6	52°2	53°0	54°0	54°5
	22	47°9	47°4	47°7	47°0	47°2	47°0	47°0	46°2	47°5	49°0	51°0	52°8
	23	53°0	53°2	52°2	50°0	48°0	47°0	47°0	47°0	47°8	50°0	50°3	51°6
	24	50°2	51°6	51°7	—	—	—	—	—	—	—	—	—
	25	—	—	—	49°2	48°7	49°2	48°0	46°2	47°2	50°1	51°0	52°4
	26	53°0	52°8	52°5	52°0	—	52°8	52°4	53°0	52°6	52°9	54°4	55°0
	27	54°8	53°0	53°0	—	—	—	—	—	—	—	—	—
	28	—	—	—	59°8	59°5	58°3	56°7	55°5	53°4	54°0	53°8	54°0
	29	47°2	46°8	47°0	47°3	47°4	47°6	—	—	46°4	47°3	48°6	49°0
	30	53°0	53°0	52°9	52°9	54°0	54°9	54°7	55°0	55°0	55°2	56°2	57°5
	31	55°7	56°6	56°0	54°4	54°5	53°7	53°2	54°0	55°0	57°2	59°6	63°3
Hourly Means	53°27	52°95	52°64	52°80	52°67	52°42	52°15	51°65	51°63	53°05	54°26	55°38	

^a The Wet Bulb Thermometer broken accidentally by the falling of the shelf on which it stood.

WET THERMOMETER.												
12	13	14	15	16	17	18	19	20	21	22	23	Daily and Monthly Means.
21	22	23	0	1	2	3	4	5	6	7	8	
—	—	—	—	—	—	—	—	—	—	—	—	47·21
46·3	47·5	45·8	47·0	47·0	46·8	48·0	47·0	45·2	43·2	43·0	41·3	46·96
50·0	49·8	52·0	52·0	51·4	53·4	52·3	51·7	49·4	47·3	46·8	46·3	51·52
53·2	54·4	55·4	56·7	57·5	59·5	55·6	56·8	54·0	54·0	54·2	53·4	54·30
56·3	59·4	58·8	59·8	56·7	59·2	60·0	58·8	60·2	58·2	57·5	57·0	49·69
48·0	49·0	49·4	49·8	50·2	48·4	47·2	44·8	44·0	44·2	41·4	41·6	46·79
50·8	49·8	50·0	52·2	50·8	51·6	52·1	51·0	50·8	48·0	47·3	46·3	52·47
—	—	—	—	—	—	—	—	—	—	—	—	53·14
54·4	58·0	56·0	56·2	60·0	58·8	58·6	57·8	58·4	56·3	54·0	53·0	47·67
56·8	57·0	58·2	57·8	58·0	54·8	52·2	51·4	51·2	48·8	47·6	46·0	47·38
49·0	50·4	49·6	50·4	51·0	51·0	52·0	51·0	50·0	48·2	47·2	46·2	51·82
48·2	49·5	49·6	49·6	50·7	50·3	50·5	53·1	52·5	51·3	50·6	49·7	50·34
54·6	55·8	55·8	57·0	58·8	57·2	57·8	56·2	53·6	53·0	52·0	52·2	49·87
49·5	49·4	50·3	50·6	51·0	51·2	50·6	49·8	49·0	48·5	48·0	48·6	53·28
—	—	—	—	—	—	—	—	—	—	—	—	56·83
52·5	52·7	53·8	55·5	56·2	57·6	57·2	56·8	56·4	54·2	53·0	52·0	58·43
55·0	56·4	58·0	58·2	58·5	58·5	58·0	57·5	55·2	53·2	55·0	53·2	61·17
57·4	58·7	59·6	61·4	62·5	63·0	63·2	63·4	61·9	59·6	57·8	56·6	60·72
58·3	59·8	61·8	62·9	63·8	65·2	66·8	65·8	65·0	63·4	61·8	60·4	53·78
61·4	63·4	64·8	65·4	66·0	67·0	69·0	66·0	66·0	64·0	62·0	60·5	51·35
60·4	61·2	61·5	62·4	62·1	62·3	63·2	64·3	63·6	61·9	60·5	59·6	53·15
—	—	—	—	—	—	—	—	—	—	—	—	54·41
55·0	55·8	55·4	55·8	55·3	56·0	55·2	54·2	53·0	51·9	51·5	51·0	58·68
52·5	52·2	53·4	53·4	54·0	53·7	54·0	54·0	54·2	53·3	53·4	53·2	59·09
54·5	56·0	54·3	54·0	54·6	54·2	54·2	54·2	52·4	50·8	50·0	49·4	—
56·6	57·6	59·0	59·4	59·6	60·0	58·0	59·2	57·2	56·5	55·9	55·2	—
58·3	59·5	61·5	63·8	65·5	66·0	64·5	66·1	65·2	63·2	63·0	62·3	—
60·4	60·5	57·3	60·8	58·8	55·8	57·0	58·7	60·2	58·6	55·6	54·7	—
—	—	—	—	—	—	—	—	—	—	—	—	—
54·14	55·16	55·47	56·34	56·67	56·73	56·55	56·23	55·36	53·82	52·88	52·07	52·92
58·0	59·0	60·2	60·4	61·6	59·8	60·6	59·2	58·8	56·0	53·4	51·4	58·45
56·8	59·0	58·8	59·0	60·0	60·2	61·0	61·2	60·4	59·2	58·0	57·0	55·90
58·8	60·0	60·2	63·0	64·0	62·2	61·6	61·3	62·9	60·5	59·0	59·0	57·48
59·0	—	59·3	59·5	61·8	63·0	62·5	62·6	63·0	62·2	62·4	60·4	59·36
58·4	60·4	62·0	61·6	63·5	62·5	60·2	60·2	61·2	58·0	57·0	55·2	59·43
—	—	—	—	—	—	—	—	—	—	—	—	58·87
64·8	59·3	57·8	56·8	57·0	57·6	58·6	57·8	56·8	55·0	52·0	50·0	51·25
52·8	53·0	55·3	54·3	55·0	54·9	55·0	54·0	54·4	54·0	48·0	47·5	49·53
51·5	51·4	54·5	55·3	53·2	54·8	55·2	54·3	55·6	51·7	50·2	49·0	51·43
53·0	54·0	56·6	56·6	56·0	56·2	56·0	—	57·0	56·0	55·2	55·0	54·23
55·5	55·6	56·0	56·0	56·5	55·5	56·2	54·0	53·2	53·0	52·6	52·2	53·96
55·8	57·0	56·7	57·3	57·2	56·7	56·3	55·6	54·5	53·3	53·3	53·0	54·49
—	—	—	—	—	—	—	—	—	—	—	—	55·18
55·5	56·2	56·3	57·7	58·0	58·0	58·0	57·5	56·5	55·6	55·0	54·0	55·96
56·6	58·3	60·2	62·0	59·4	61·3	60·6	59·6	58·8	57·3	56·4	55·5	56·94
58·0	60·2	60·2	60·3	60·8	58·0	59·0	58·0	56·2	55·0	54·6	54·2	52·30
58·2	57·7	58·7	59·5	60·4	62·5	58·5	60·2	60·2	56·7	54·0	52·2	56·44
53·2	53·8	55·3	56·2	55·0	56·0	54·2	55·2	55·3	55·0	54·0	54·6	54·17
59·0	58·5	58·7	58·0	58·3	60·7	58·3	58·4	58·2	57·4	56·3	56·2	51·10
—	—	—	—	—	—	—	—	—	—	—	—	52·38
56·2	58·2	59·8	58·2	56·4	57·0	55·8	55·4	53·0	52·2	50·6	49·5	53·18
53·0	52·5	54·5	54·8	54·0	54·0	55·0	55·0	54·0	54·0	54·2	53·6	56·48
53·0	53·0	55·0	56·0	55·5	56·0	58·0	58·4	57·0	54·5	52·6	51·0	53·60
—	—	—	—	—	—	—	—	—	—	—	—	51·61
53·6	55·0	55·4	57·2	57·8	59·2	59·8	60·7	57·7	56·0	54·3	54·2	57·25
57·8	58·8	59·3	60·0	61·0	62·0	62·0	61·0	60·5	60·2	58·0	55·0	58·87
—	—	—	—	—	—	—	—	—	—	—	—	—
54·6	52·0	51·5	53·3	54·0	50·8	53·2	52·0	52·7	49·7	48·8	47·8	54·99
50·5	51·5	53·7	56·3	57·0	58·0	58·2	57·0	55·6	55·2	53·9	54·0	—
58·4	60·0	60·0	58·8	60·8	61·5	62·2	60·5	61·2	59·8	59·2	57·4	—
66·2	67·0	67·0	b —	64·0	63·0	63·8	62·8	61·0	57·0	55·8	53·3	—
56·47	56·86	57·81	57·92	58·40	58·52	58·45	58·08	57·53	55·94	54·58	53·55	—

^b Cistern empty.

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. JANUARY.	1	47	53	58	62	59	76	74	68	75	78	71	62
	2	68	79	74	71	70	70	70	68	68	66	52	49
	3	51	57	58	59	63	63	55	54	61	52	51	48
	4	40	46	52	—	—	—	—	—	—	—	—	—
	5	—	—	—	79	79	87	89	92	93	93	86	76
	6	77	79	82	86	86	87	—	82	82	77	70	57
	7	83	82	89	88	87	87	78	80	—	79	74	72
	8	53	56	58	59	67	59	58	58	57	59	60	54
	9	54	55	62	64	64	64	66	64	65	62	53	53
	10	68	73	78	82	82	86	88	86	88	85	74	69
	11	86	87	86	—	—	—	—	—	—	—	—	—
	12	—	—	—	88	89	94	94	92	92	88	77	63
	13	85	87	88	90	—	—	—	84	100	88	77	68
	14	56	57	62	61	62	63	63	67	68	66	65	60
	15	70	73	78	78	—	86	80	80	76	75	66	60
	16	90	92	81	75	74	77	81	86	86	84	75	68
	17	67	71	70	73	73	77	77	68	68	68	66	64
	18	63	64	66	—	—	—	—	—	—	—	—	—
	19	—	—	—	70	72	73	75	75	75	77	69	68
	20	75	73	74	73	75	77	77	80	89	86	77	68
	21	84	85	90	90	90	88	88	95	97	93	84	76
	22	80	82	92	88	88	92	92	93	93	86	68	65
	23	80	81	83	89	88	89	91	—	93	83	77	69
	24	79	87	90	89	91	89	91	91	94	88	94	88
	25	84	88	84	—	—	—	—	—	—	—	—	—
	26	—	—	—	85	92	92	95	95	100	93	86	76
	27	81	83	88	89	96	96	93	94	96	96	86	76
	28	73	81	80	82	88	89	91	90	90	93	86	81
	29	78	76	76	76	79	80	80	79	81	81	82	79
	30	84	87	89	88	—	86	82	95	93	89	87	84
	31	92	95	92	77	68	65	64	60	65	70	85	60
Hourly Means	72	75	77	78	78	80	80	80	82	80	74	67	
Tension of the Vapour. JANUARY.	1	In. .260	In. .269	In. .274	In. .281	In. .252	In. .305	In. .300	In. .268	In. .289	In. .314	In. .315	In. .307
	2	.326	.363	.342	.321	.319	.322	.319	.314	.323	.327	.283	.290
	3	.291	.311	.305	.308	.321	.309	.264	.241	.247	.222	.217	.212
	4	.194	.209	.222	—	—	—	—	—	—	—	—	—
	5	—	—	—	.316	.316	.326	.329	.328	.345	.362	.381	.388
	6	.390	.389	.387	.398	.392	.397	—	.374	.374	.394	.400	.364
	7	.453	.450	.494	.483	.489	.489	.476	.476	—	.474	.467	.486
	8	.326	.341	.351	.358	.389	.332	.313	.306	.297	.303	.323	.325
	9	.247	.238	.256	.259	.259	.256	.267	.259	.268	.279	.273	.275
	10	.335	.336	.340	.345	.331	.343	.337	.326	.336	.350	.353	.376
	11	.415	.413	.405	—	—	—	—	—	—	—	—	—
	12	—	—	—	.451	.447	.460	.460	.455	.462	.478	.490	.471
	13	.576	.567	.543	.548	—	—	—	.551	.578	.574	.587	.574
	14	.293	.295	.312	.309	.308	.308	.302	.323	.327	.313	.307	.321
	15	.392	.383	.385	.370	—	.376	.358	.358	.356	.371	.378	.369
	16	.351	.333	.294	.268	.266	.271	.284	.285	.285	.302	.304	.315
	17	.406	.419	.401	.415	.408	.406	.391	.360	.360	.360	.362	.362
	18	.278	.281	.267	—	—	—	—	—	—	—	—	—
	19	—	—	—	.242	.230	.228	.240	.240	.244	.256	.266	.286
	20	.322	.314	.316	.312	.322	.325	.325	.305	.314	.338	.343	.345
	21	.376	.353	.354	.343	.337	.322	.325	.335	.344	.365	.373	.388
	22	.409	.397	.408	.390	.387	.389	.389	.387	.391	.392	.357	.386
	23	.468	.455	.449	.454	.432	.437	.432	—	.441	.434	.449	.455
	24	.530	.547	.560	.552	.553	.542	.544	.544	.552	.504	.531	.493
	25	.395	.403	.382	—	—	—	—	—	—	—	—	—
	26	—	—	—	.317	.325	.317	.319	.311	.332	.348	.355	.364
	27	.377	.390	.387	.375	.382	.376	.365	.365	.361	.396	.370	.399
	28	.363	.371	.357	.351	.361	.357	.360	.346	.354	.371	.388	.407
	29	.380	.375	.377	.367	.382	.385	.382	.375	.384	.384	.394	.382
	30	.379	.387	.395	.390	—	.372	.360	.400	.391	.386	.394	.408
	31	.526	.526	.498	.416	.354	.316	.307	.277	.293	.311	.359	.285
Hourly Means	.372	.375	.373	.368	.357	.356	.364	.350	.356	.367	.371	.372	

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.
21	22	23	0	1	2	3	4	5	6	7	8	
58	42	—	48	45	42	45	43	51	54	58	66	58
40	36	36	32	26	30	28	28	27	28	39	47	50
50	42	39	36	26	32	27	27	30	22	31	38	45
—	—	—	—	—	—	—	—	—	—	—	—	—
68	57	54	52	56	52	56	54	57	61	70	75	68
55	52	41	38	25	41	58	67	74	79	88	86	68
58	51	43	44	40	32	31	33	29	24	39	48	60
55	45	46	48	42	37	36	36	41	38	30	53	50
51	45	44	44	40	40	39	40	53	58	63	68	55
57	49	51	51	54	49	52	63	71	77	82	84	71
—	—	—	—	—	—	—	—	—	—	—	—	—
46	34	39	40	37	51	60	57	68	73	79	81	71
57	42	65	41	43	44	49	51	51	52	54	54	65
55	49	44	44	44	51	52	58	61	71	71	73	59
57	49	52	—	74	73	74	82	82	80	88	88	74
58	59	55	50	49	51	51	49	48	57	68	67	68
59	49	53	46	43	39	53	40	41	46	53	57	59
—	—	—	—	—	—	—	—	—	—	—	—	—
58	53	49	54	52	56	51	56	60	67	75	74	65
64	60	63	61	—	66	62	63	68	74	77	81	72
69	58	58	61	57	59	60	61	65	71	77	81	77
53	42	36	51	57	58	57	57	65	68	72	77	71
63	58	53	53	52	59	61	53	58	60	68	68	71
94	93	92	79	79	85	83	86	87	81	86	86	88
—	—	—	—	—	—	—	—	—	—	—	—	—
65	60	59	58	60	60	61	61	61	69	76	79	77
70	61	57	55	—	55	55	52	57	66	66	65	75
79	79	74	70	66	64	63	69	71	73	73	79	78
76	62	58	62	64	72	75	74	74	77	78	79	75
76	72	63	59	60	64	65	69	72	81	80	89	79
51	54	50	43	36	39	41	44	47	55	77	72	63
61	54	53	51	49	52	54	55	58	62	67	71	67
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·317	·271	—	·323	·330	·325	·352	·324	·339	·319	·322	·336	·304
·263	·251	·271	·261	·204	·279	·293	·282	·262	·223	·262	·280	·291
·222	·207	·208	·223	·173	·218	·199	·217	·232	·154	·187	·197	·237
—	—	—	—	—	—	—	—	—	—	—	—	—
·390	·370	·392	·401	·445	·402	·432	·403	·396	·380	·404	·400	·355
·356	·395	·390	·401	·311	·403	·407	·429	·463	·471	·470	·461	·401
·438	·408	·371	·371	·396	·307	·332	·355	·313	·241	·282	·308	·407
·334	·282	·298	·307	·280	·257	·262	·262	·275	·244	·195	·254	·301
·298	·277	·299	·307	·279	·319	·345	·330	·353	·371	·374	·356	·293
·389	·381	·420	·430	·473	·444	·450	·419	·430	·434	·423	·413	·384
—	—	—	—	—	—	—	—	—	—	—	—	—
·413	·354	·420	·477	·480	·596	·646	·592	·576	·583	·578	·566	·487
·575	·552	·556	·405	·426	·380	·375	·320	·306	·295	·302	·294	·470
·324	·321	·313	·326	·342	·385	·409	·437	·415	·428	·417	·396	·343
·390	·386	·405	—	·398	·364	·351	·375	·391	·393	·373	·358	·376
·299	·302	·330	·354	·362	·400	·391	·413	·424	·407	·435	·411	·337
·357	·326	·340	·317	·331	·303	·363	·275	·282	·260	·279	·268	·348
—	—	—	—	—	—	—	—	—	—	—	—	—
·270	·265	·267	·290	·301	·319	·303	·315	·332	·319	·334	·323	·279
·350	·360	·393	·400	—	·421	·382	·382	·381	·372	·370	·371	·351
·398	·383	·423	·457	·437	·435	·445	·421	·423	·418	·421	·417	·387
·379	·365	·359	·452	·468	·464	·473	·458	·475	·482	·476	·473	·417
·450	·468	·478	·483	·478	·509	·518	·456	·461	·479	·504	·504	·465
·523	·546	·556	·556	·561	·557	·515	·503	·480	·433	·426	·411	·522
—	—	—	—	—	—	—	—	—	—	—	—	—
·362	·346	·364	·389	·398	·398	·393	·399	·388	·383	·382	·382	·365
·404	·409	·400	·411	—	·435	·392	·360	·363	·359	·385	·351	·383
·426	·442	·437	·440	·437	·437	·422	·401	·386	·379	·373	·389	·390
·395	·359	·348	·383	·372	·402	·413	·405	·393	·384	·376	·372	·382
·399	·436	·435	·440	·446	·469	·484	·504	·510	·547	·508	·525	·433
·239	·288	·310	·248	·242	·243	·268	·272	·279	·288	·361	·364	·328
·369	·361	·376	·379	·375	·388	·393	·382	·383	·372	·378	·377	·371

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. FEBRUARY.	1	80	61	71	—	—	—	—	—	—	—	—	
	2	—	—	—	73	80	80	84	88	86	—	78	
	3	79	78	79	78	76	76	77	78	78	78	73	75
	4	73	77	78	80	81	82	84	85	87	81	86	60
	5	88	90	89	91	91	94	96	96	98	97	89	75
	6	88	92	92	91	92	93	93	94	94	96	98	98
	7	53	56	56	56	59	62	63	62	61	63	60	56
	8	76	75	77	—	—	—	—	—	—	—	—	—
	9	—	—	—	76	84	87	94	—	96	90	86	78
	10	74	88	82	66	—	76	78	86	94	98	95	90
	11	88	88	89	89	90	90	88	85	86	86	84	76
	12	74	73	76	77	—	—	75	73	73	73	74	65
	13	88	91	93	93	94	96	94	94	95	93	90	85
	14	64	65	69	71	—	80	71	75	75	72	66	62
	15	63	65	67	—	—	—	—	—	—	—	—	—
	16	—	—	—	63	63	64	64	64	64	64	67	58
	17	81	85	86	88	91	91	93	93	90	86	78	70
	18	82	87	88	91	91	92	93	96	97	98	93	92
	19	84	85	85	85	86	86	88	90	89	91	91	87
	20	86	86	86	86	88	94	94	94	96	96	87	86
	21	81	78	81	86	78	76	78	81	82	—	96	85
	22	85	86	82	—	—	—	—	—	—	—	—	—
	23	—	—	—	88	91	92	88	96	98	100	93	81
	24	53	60	62	56	71	64	62	68	72	68	66	58
	25	75	86	92	93	96	82	81	81	—	81	83	73
	26	60	64	65	66	70	70	71	71	74	74	71	69
	27	64	67	72	72	73	73	73	67	68	67	64	63
	28	55	60	62	62	66	67	70	73	74	74	76	67
Hourly Means	75	77	78	78	81	81	81	83	84	83	81	74	
Tension of the Vapour. FEBRUARY.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
	1	.330	.247	.263	—	—	—	—	—	—	—	—	
	2	—	—	—	.270	.283	.283	.291	.298	.296	.296	—	.328
	3	.359	.352	.359	.352	.344	.341	.341	.346	.346	.356	.350	.379
	4	.380	.382	.369	.375	.374	.371	.369	.365	.364	.371	.380	.372
	5	.501	.498	.473	.470	.463	.460	.454	.454	.459	.480	.508	.506
	6	.564	.574	.565	.549	.547	.542	.542	.544	.544	.551	.565	.587
	7	.307	.297	.291	.285	.294	.294	.294	.286	.274	.288	.292	.304
	8	.365	.324	.328	—	—	—	—	—	—	—	—	—
	9	—	—	—	.302	.315	.323	.342	.356	.334	.320	.306	.295
	10	.303	.340	.313	.271	—	.299	.302	.326	.333	.349	.341	.325
	11	.367	.367	.369	.369	.372	.360	.358	.353	.370	.367	.376	.372
	12	.330	.315	.330	.325	—	—	.292	.278	.275	.275	.306	.309
	13	.364	.366	.360	.356	.351	.356	.349	.347	.340	.343	.357	.353
	14	.287	.266	.271	.273	—	.285	.250	.258	.264	.265	.268	.264
	15	.287	.293	.293	—	—	—	—	—	—	—	—	—
	16	—	—	—	.275	.272	.272	.271	.264	.267	.267	.291	.266
	17	.348	.350	.346	.348	.349	.340	.336	.336	.337	.343	.343	.358
	18	.434	.453	.447	.455	.415	.389	.387	.392	.391	.390	.377	.381
	19	.365	.368	.365	.362	.364	.364	.370	.372	.369	.382	.398	.404
	20	.477	.477	.477	.477	.486	.495	.487	.495	.500	.504	.453	.411
	21	.343	.329	.340	.344	.324	.319	.321	.323	.326	—	.379	.341
	22	.395	.388	.360	—	—	—	—	—	—	—	—	—
	23	—	—	—	.403	.395	.392	.364	.379	.378	.384	.397	.404
	24	.367	.376	.368	.299	.338	.310	.288	.285	.285	.282	.286	.292
	25	.380	.411	.424	.420	.412	.345	.328	.322	—	.319	.323	.334
	26	.277	.300	.290	.286	.299	.299	.302	.305	.325	.328	.332	.344
	27	.324	.321	.339	.324	.330	.327	.321	.300	.305	.308	.331	.345
28	.286	.299	.304	.304	.315	.311	.316	.321	.330	.330	.341	.341	
Hourly Means	.364	.362	.360	.354	.364	.351	.345	.346	.348	.352	.361	.359	

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.
21	22	23	0	1	2	3	4	5	6	7	8	
—	—	—	—	—	—	—	—	—	—	—	—	} 73
68	70	73	65	62	57	59	58	61	72	80	78	
62	59	57	51	55	54	54	54	52	60	64	69	} 67
69	67	62	58	57	55	53	54	57	62	75	85	
64	52	50	58	56	55	59	62	68	73	79	85	} 77
94	92	92	94	88	74	58	46	43	43	48	50	
51	44	43	41	36	36	37	38	41	54	64	70	} 53
—	—	—	—	—	—	—	—	—	—	—	—	
69	72	81	68	76	76	75	77	80	82	87	81	} 80
97	100	100	98	98	98	96	94	92	90	90	86	
73	70	64	66	73	69	66	69	61	63	69	74	} 77
59	61	56	58	67	69	54	65	66	75	77	83	
82	70	71	63	54	48	68	74	76	88	79	72	} 81
58	53	53	55	57	49	49	49	52	55	57	61	
—	—	—	—	—	—	—	—	—	—	—	—	} 61
56	53	49	47	45	58	59	60	61	65	74	79	
66	61	53	51	42	42	54	78	81	84	84	87	} 76
86	82	81	83	83	82	78	78	79	81	79	82	
83	79	81	78	75	73	77	76	77	80	82	84	} 83
94	89	72	70	70	67	78	71	58	67	64	79	
92	88	70	60	63	57	61	76	80	80	81	82	} 78
—	—	—	—	—	—	—	—	—	—	—	—	
76	65	59	58	62	60	51	58	51	51	51	52	} 74
58	51	49	46	44	43	44	50	64	66	68	72	
67	60	62	56	55	51	55	45	49	52	56	59	} 69
67	57	56	50	52	48	51	47	44	36	59	58	
59	54	55	55	53	52	46	50	56	53	58	60	} 61
63	61	57	56	60	63	63	69	71	76	82	82	
71	67	64	62	62	60	60	62	63	67	71	74	72
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
—	—	—	—	—	—	—	—	—	—	—	—	} 329
·326	·338	·384	·371	·372	·360	·386	·371	·369	·377	·379	·356	
·360	·384	·374	·363	·397	·395	·404	·420	·410	·395	·382	·373	} 370
·417	·448	·456	·482	·497	·507	·494	·533	·511	·512	·507	·507	
·498	·479	·518	·561	·568	·563	·543	·548	·545	·550	·566	·566	} 510
·584	·574	·612	·619	·658	·610	·517	·443	·406	·339	·315	·308	
·302	·284	·297	·307	·294	·293	·270	·267	·287	·324	·340	·335	} 296
—	—	—	—	—	—	—	—	—	—	—	—	
·293	·307	·336	·314	·332	·329	·329	·338	·339	·339	·341	·328	} 326
·366	·372	·384	·385	·384	·384	·383	·374	·385	·372	·369	·361	
·388	·371	·382	·371	·412	·377	·365	·361	·344	·331	·326	·336	} 349
·281	·308	·290	·306	·344	·360	·332	·362	·364	·372	·367	·374	
·380	·373	·399	·411	·395	·341	·422	·431	·443	·459	·410	·339	} 377
·296	·283	·297	·319	·339	·329	·314	·305	·311	·308	·289	·282	
—	—	—	—	—	—	—	—	—	—	—	—	} 298
·287	·277	·279	·302	·302	·258	·372	·367	·353	·335	·353	·360	
·369	·380	·396	·410	·387	·394	·376	·459	·455	·460	·456	·464	} 381
·372	·364	·368	·380	·377	·380	·376	·376	·372	·374	·359	·357	
·426	·435	·455	·451	·451	·453	·463	·459	·458	·457	·466	·473	} 414
·445	·439	·389	·407	·405	·401	·409	·378	·333	·345	·313	·347	
·398	·407	·362	·354	·374	·355	·381	·435	·438	·409	·394	·390	} 432
—	—	—	—	—	—	—	—	—	—	—	—	
·359	·420	·423	·404	·422	·411	·399	·435	·365	·372	·357	·362	} 390
·324	·313	·314	·320	·310	·329	·307	·346	·374	·370	·365	·375	
·345	·324	·342	·329	·344	·327	·324	·302	·294	·286	·290	·289	} 340
·342	·334	·363	·341	·359	·358	·371	·353	·300	·249	·328	·318	
·337	·335	·351	·366	·371	·390	·363	·374	·389	·357	·331	·320	} 340
·351	·369	·368	·370	·408	·405	·409	·413	·394	·385	·403	·390	
·369	·372	·381	·385	·396	·388	·388	·394	·385	·378	·375	·371	369

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 Van Diemen Island Time.		9	10	11	12	13	14	15	16	17	18	19	20		
Humidity of the Air.	MARCH.	1	88	82	82	—	—	—	—	—	—	—	—	—	
		2	—	—	—	35	35	34	34	38	36	37	37	36	
		3	65	64	65	71	67	68	—	67	65	64	61	60	60
		4	37	37	66	84	86	87	83	59	57	55	53	54	54
		5	66	69	62	65	61	65	72	66	74	77	74	64	64
		6	70	73	77	80	76	77	77	80	—	85	82	74	74
		7	75	81	86	82	82	79	74	78	—	—	76	71	71
		8	74	80	83	—	—	—	—	—	—	—	—	—	—
		9	—	—	—	59	58	58	60	62	60	60	61	56	56
		10	64	65	66	66	68	73	75	78	81	82	78	72	72
		11	80	85	86	86	78	70	65	62	65	68	66	67	67
		12	72	79	79	86	91	85	81	76	73	78	75	66	66
		13	71	64	64	67	—	61	66	70	68	72	69	67	67
		14	81	83	86	88	88	86	87	83	81	80	81	75	75
		15	59	59	57	—	—	—	—	—	—	—	—	—	—
		16	—	—	—	79	79	79	78	75	78	78	78	74	74
		17	82	91	93	97	97	97	97	99	99	100	100	96	96
		18	86	86	84	86	—	88	87	91	96	97	97	98	98
		19	74	81	84	83	—	—	—	—	—	91	97	87	87
		20	78	86	72	—	—	—	—	—	—	—	—	—	—
		21	—	—	—	82	82	83	85	81	85	86	84	71	71
		22	84	87	87	—	—	—	—	—	—	—	—	—	—
		23	—	—	—	88	91	92	95	95	96	95	95	89	89
		24	76	79	81	81	90	91	91	91	86	86	88	81	81
		25	73	76	76	76	75	81	81	82	84	86	88	83	83
		26	96	96	96	97	100	100	91	87	86	87	87	76	76
		27	92	92	93	93	93	93	91	96	93	93	93	90	90
		28	97	96	100	84	85	88	78	81	75	75	76	72	72
		29	76	75	75	—	—	—	—	—	—	—	—	—	—
		30	—	—	—	100	100	100	100	100	100	100	100	98	98
		31	63	67	76	79	89	92	92	92	92	95	95	89	89
Hourly Means		75	77	79	80	80	80	80	79	79	80	80	75		
Tension of the Vapour.	MARCH.	1	In. .384	In. .387	In. .387	—	—	—	—	—	—	—	—	—	
		2	—	—	—	.222	.219	.213	.208	.223	.206	.223	.233	.246	
		3	.415	.385	.374	.390	.374	.370	—	.364	.353	.346	.343	.361	
		4	.355	.353	.445	.483	.485	.468	.437	.306	.285	.274	.284	.284	
		5	.230	.243	.214	.217	.207	.217	.228	.210	.226	.233	.251	.247	
		6	.246	.242	.249	.258	.242	.240	.238	.241	—	.246	.263	.268	
		7	.309	.313	.320	.318	.313	.307	.294	.300	—	—	.329	.322	
		8	.433	.429	.422	—	—	—	—	—	—	—	—	—	
		9	—	—	—	.273	.271	.259	.252	.263	.252	.252	.275	.276	
		10	.287	.277	.274	.268	.270	.278	.281	.282	.286	.287	.308	.324	
		11	.351	.356	.352	.352	.331	.313	.297	.281	.295	.305	.303	.314	
		12	.424	.406	.382	.398	.398	.360	.330	.305	.283	.288	.293	.294	
		13	.315	.294	.300	.305	—	.268	.279	.298	.290	.304	.310	.327	
		14	.391	.283	.385	.287	.290	.385	.384	.371	.365	.382	.391	.382	
		15	.377	.338	.312	—	—	—	—	—	—	—	—	—	
		16	—	—	—	.310	.313	.316	.314	.306	.316	.316	.337	.333	
		17	.397	.428	.420	.428	.431	.428	.428	.430	.433	.439	.446	.442	
		18	.402	.402	.399	.402	—	.416	.410	.418	.431	.441	.445	.451	
		19	.312	.319	.324	.335	—	—	—	—	—	.304	.344	.344	
		20	.343	.368	.304	—	—	—	—	—	—	—	—	—	
		21	—	—	—	.232	.237	.241	.244	.230	.240	.244	.250	.248	
		22	.324	.332	.332	—	—	—	—	—	—	—	—	—	
		23	—	—	—	.293	.299	.287	.285	.277	.276	.277	.285	.301	
		24	.329	.319	.310	.297	.323	.323	.312	.309	.296	.296	.314	.319	
		25	.307	.294	.288	.281	.275	.286	.286	.288	.291	.304	.314	.344	
		26	.379	.376	.364	.364	.369	.366	.343	.328	.317	.320	.323	.326	
		27	.389	.421	.426	.420	.394	.391	.382	.379	.368	.362	.362	.369	
		28	.445	.435	.439	.365	.353	.348	.308	.313	.297	.292	.299	.295	
		29	.355	.345	.345	—	—	—	—	—	—	—	—	—	
		30	—	—	—	.384	.384	.384	.384	.384	.378	.381	.384	.393	
		31	.250	.267	.288	.272	.282	.282	.272	.268	.263	.280	.294	.290	
Hourly Means		.350	.344	.346	.326	.321	.323	.313	.307	.307	.308	.319	.324		

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.
21	22	23	0	1	2	3	4	5	6	7	8	
—	—	—	—	—	—	—	—	—	—	—	—	42
34	26	25	24	29	30	30	28	39	60	63	62	
52	50	35	25	25	22	26	58	69	72	34	32	53
63	55	40	37	43	32	28	49	49	49	49	57	55
60	47	42	42	42	46	46	47	56	60	61	67	60
65	60	54	51	50	52	53	56	61	68	71	72	68
65	67	58	54	47	49	55	54	63	72	78	76	69
—	—	—	—	—	—	—	—	—	—	—	—	56
56	50	47	40	43	40	43	46	49	52	54	58	
64	61	55	57	52	55	55	61	66	71	81	77	68
63	60	53	52	24	23	27	35	39	48	57	61	59
73	71	67	59	57	46	48	56	64	76	86	79	72
62	57	54	53	52	47	45	46	58	65	66	81	62
68	57	51	46	34	36	36	38	40	43	45	52	64
—	—	—	—	—	—	—	—	—	—	—	—	69
68	64	59	53	52	60	60	64	69	78	82	82	
94	91	91	87	83	79	79	79	78	81	84	86	90
100	100	97	97	97	98	91	74	67	72	70	78	88
71	69	67	61	60	65	64	66	67	72	77	77	74
—	—	—	—	—	—	—	—	—	—	—	—	76
68	68	64	58	62	68	63	70	76	81	85	86	
—	—	—	—	—	—	—	—	—	—	—	—	79
75	71	64	59	57	56	56	61	72	76	75	78	
78	68	69	63	60	68	61	60	65	70	74	77	76
74	71	77	79	79	76	72	76	78	86	91	92	80
69	61	58	53	54	55	52	59	63	69	87	84	78
84	81	94	73	66	66	70	70	77	88	94	96	86
65	62	65	64	64	63	63	64	61	67	69	75	75
—	—	—	—	—	—	—	—	—	—	—	—	87
100	91	91	82	77	77	77	78	75	72	76	76	
86	81	72	67	67	68	66	67	77	75	75	79	79
70	66	62	57	55	55	55	58	63	69	71	74	71
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
—	—	—	—	—	—	—	—	—	—	—	—	305
·293	·264	·288	·286	·326	·358	·340	·325	·380	·445	·441	·413	
·405	·432	·382	·358	·368	·337	·381	·461	·480	·475	·335	·327	·383
·333	·296	·234	·224	·270	·203	·179	·271	·235	·222	·202	·220	·306
·250	·213	·198	·204	·209	·243	·241	·245	·248	·244	·242	·254	·230
·277	·287	·295	·297	·309	·310	·315	·320	·322	·333	·316	·307	·279
·321	·400	·399	·410	·431	·436	·477	·482	·496	·477	·480	·459	·381
—	—	—	—	—	—	—	—	—	—	—	—	293
·298	·284	·291	·264	·272	·277	·280	·296	·293	·279	·271	·274	
·330	·343	·323	·347	·338	·380	·370	·293	·377	·368	·394	·354	·322
·342	·359	·395	·427	·312	·312	·327	·360	·367	·409	·436	·436	·347
·313	·316	·323	·306	·301	·272	·268	·292	·291	·320	·352	·331	·327
·345	·343	·341	·371	·398	·381	·385	·375	·407	·399	·377	·417	·340
·402	·388	·395	·396	·340	·352	·357	·362	·358	·337	·318	·354	·361
—	—	—	—	—	—	—	—	—	—	—	—	346
·340	·354	·355	·354	·352	·369	·353	·366	·377	·393	·400	·394	
·456	·455	·467	·464	·452	·442	·454	·450	·428	·417	·413	·411	·436
·454	·473	·468	·488	·488	·514	·478	·393	·344	·339	·307	·323	·421
·315	·334	·347	·339	·357	·369	·351	·358	·341	·353	·358	·350	·340
—	—	—	—	—	—	—	—	—	—	—	—	277
·243	·257	·258	·256	·266	·305	·283	·299	·312	·322	·330	·332	
—	—	—	—	—	—	—	—	—	—	—	—	323
·309	·319	·323	·337	·343	·350	·358	·369	·388	·385	·356	·340	
·340	·349	·385	·386	·365	·378	·336	·336	·349	·361	·336	·341	·334
·342	·371	·381	·410	·410	·415	·400	·388	·380	·398	·398	·395	·344
·336	·339	·356	·350	·353	·388	·358	·379	·375	·385	·430	·433	·361
·369	·387	·457	·403	·377	·381	·401	·399	·422	·447	·453	·442	·400
·300	·292	·303	·327	·327	·336	·336	·346	·319	·341	·332	·349	·337
—	—	—	—	—	—	—	—	—	—	—	—	366
·416	·386	·392	·390	·364	·364	·354	·369	·388	·307	·312	·302	
·304	·325	·330	·338	·341	·370	·358	·341	·364	·345	·345	·355	·309
·337	·343	·347	·349	·347	·354	·350	·359	·360	·364	·357	·357	·338

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. APRIL.	1	86	88	88	88	89	90	90	91	—	93	100	89
	2	79	77	77	77	77	76	76	76	78	76	73	68
	3	67	73	76	74	73	73	75	77	77	77	77	73
	4	91	85	75	71	70	70	70	71	—	—	74	76
	5	72	77	74	—	—	—	—	—	—	—	—	—
	6	—	—	—	100	96	94	98	94	94	98	98	93
	7	95	97	95	100	98	100	100	98	96	98	95	87
	8	77	75	73	71	76	79	79	81	—	81	82	84
	9	87	89	91	93	93	97	96	97	98	97	98	98
	10	75	80	77	75	80	73	78	77	67	74	80	79
	11	71	77	74	73	76	78	80	77	85	91	92	93
	12	90	80	79	—	—	—	—	—	—	—	—	—
	13	—	—	—	81	81	78	76	75	78	80	74	72
	14	57	63	62	64	66	66	67	70	67	67	67	63
	15	71	76	83	88	75	74	73	76	77	78	85	76
	16	89	92	92	91	92	93	93	93	90	93	90	83
	17	85	85	82	81	61	62	72	79	78	79	80	84
	18	52	51	50	50	57	60	71	78	82	78	82	81
	19	61	62	62	—	—	—	—	—	—	—	—	—
	20	—	—	—	80	84	85	94	89	89	92	92	88
	21	64	64	66	62	63	65	67	66	—	70	73	65
	22	77	83	84	88	87	89	91	93	93	93	94	90
	23	90	93	96	96	94	94	93	91	91	91	91	90
	24	89	95	92	93	93	93	94	91	90	90	88	79
	25	52	58	66	66	—	—	61	67	—	73	61	62
	26	66	68	71	—	—	—	—	—	—	—	—	—
	27	—	—	—	85	90	86	84	83	83	83	84	84
	28	84	88	92	92	92	91	91	91	94	97	94	92
	29	91	95	95	98	95	96	98	96	100	100	100	96
	30	81	84	84	89	88	89	91	92	92	92	92	95
	Hourly Means	77	79	79	82	82	82	83	83	86	86	85	82
Tension of the Vapour. APRIL.	1	In. .368	In. .358	In. .358	In. .358	In. .363	In. .363	In. .357	In. .363	In. —	In. .365	In. .400	In. .389
	2	.334	.325	.325	.329	.325	.318	.312	.312	.317	.312	.307	.311
	3	.302	.315	.323	.318	.318	.317	.326	.338	.341	.341	.344	.356
	4	.378	.353	.320	.304	.305	.299	.299	.301	—	—	.315	.312
	5	.226	.236	.215	—	—	—	—	—	—	—	—	—
	6	—	—	—	.265	.260	.292	.249	.240	.238	.243	.249	.266
	7	.324	.322	.300	.308	.302	.297	.295	.285	.280	.282	.300	.312
	8	.335	.332	.318	.309	.312	.310	.304	.305	—	.302	.308	.327
	9	.390	.389	.392	.391	.374	.370	.364	.370	.372	.353	.361	.358
	10	.275	.285	.283	.275	.288	.270	.280	.278	.241	.273	.296	.304
	11	.246	.256	.251	.245	.256	.261	.264	.258	.282	.301	.308	.320
	12	.330	.300	.290	—	—	—	—	—	—	—	—	—
	13	—	—	—	.338	.340	.331	.323	.320	.328	.334	.325	.340
	14	.288	.310	.298	.302	.305	.300	.300	.302	.291	.291	.297	.295
	15	.328	.347	.380	.396	.320	.318	.313	.315	.320	.314	.327	.338
	16	.366	.382	.384	.382	.382	.362	.351	.348	.327	.329	.328	.334
	17	.344	.336	.319	.314	.282	.287	.303	.319	.300	.304	.312	.322
	18	.379	.369	.367	.367	.388	.400	.414	.423	.427	.416	.423	.421
	19	.256	.252	.249	—	—	—	—	—	—	—	—	—
	20	—	—	—	.291	.297	.294	.306	.287	.284	.289	.289	.300
	21	.238	.227	.226	.214	.212	.215	.218	.215	—	.227	.235	.222
	22	.232	.239	.226	.228	.222	.223	.216	.218	.218	.218	.221	.231
	23	.268	.265	.264	.261	.250	.244	.250	.250	.252	.254	.252	.270
	24	.277	.280	.273	.264	.258	.255	.257	.254	.257	.253	.251	.243
	25	.246	.268	.312	.312	—	—	.264	.285	—	.293	.241	.247
	26	.226	.227	.229	—	—	—	—	—	—	—	—	—
	27	—	—	—	.262	.266	.268	.262	.263	.263	.263	.252	.291
	28	.259	.256	.261	.259	.250	.243	.239	.235	.238	.239	.236	.252
	29	.293	.292	.287	.292	.270	.273	.273	.260	.265	.265	.265	.273
	30	.307	.315	.302	.309	.298	.301	.304	.306	.295	.295	.298	.316
	Hourly Means	.301	.301	.298	.311	.298	.288	.294	.294	.292	.294	.298	.306

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.
21	22	23	0	1	2	3	4	5	6	7	8	
82	84	83	81	81	79	84	88	90	94	95	95	88
68	65	60	57	56	51	54	58	58	60	64	66	68
65	64	60	58	61	70	66	74	80	88	88	89	73
76	75	75	87	94	94	96	97	94	92	80	82	82
—	—	—	—	—	—	—	—	—	—	—	—	85
86	80	76	72	69	72	72	78	82	79	91	93	79
77	66	56	52	48	46	49	56	66	68	74	79	73
75	69	62	62	62	65	68	65	67	61	71	83	91
96	91	84	86	86	89	81	85	90	90	82	84	71
78	80	62	58	68	64	62	59	67	64	69	67	86
97	100	97	96	88	85	83	84	83	82	95	94	70
—	—	—	—	—	—	—	—	—	—	—	—	62
66	63	60	58	58	62	60	60	68	66	61	61	75
60	55	56	58	53	53	48	55	60	64	67	67	79
74	66	64	62	66	60	65	70	79	88	91	93	60
77	69	61	57	53	52	52	66	65	73	83	86	64
57	38	17	46	40	38	41	42	43	48	58	53	78
72	66	66	61	60	63	60	60	61	56	58	58	65
—	—	—	—	—	—	—	—	—	—	—	—	82
82	72	68	61	62	76	78	80	78	85	81	76	82
66	65	60	58	57	62	62	58	67	71	72	71	83
85	80	73	67	64	64	66	68	76	81	84	85	71
83	76	70	67	64	62	66	69	77	80	81	89	59
73	62	57	52	53	41	39	41	44	44	49	52	76
61	57	50	54	51	58	50	48	56	61	62	63	85
—	—	—	—	—	—	—	—	—	—	—	—	88
80	76	71	68	—	67	64	57	66	69	81	80	92
94	81	72	64	67	71	70	73	79	84	86	91	76
96	91	87	85	76	69	71	71	74	76	81	81	85
93	88	91	88	88	100	97	96	97	100	100	100	88
78	72	67	66	65	66	65	68	72	74	77	78	76
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·390	·402	·407	·417	·432	·427	·448	·444	·433	·433	·420	·397	·395
·308	·329	·326	·312	·320	·312	·308	·318	·297	·287	·297	·300	·314
·355	·353	·367	·352	·365	·404	·364	·382	·385	·410	·381	·375	·351
·367	·379	·392	·413	·433	·374	·358	·338	·311	·289	·252	·257	·334
—	—	—	—	—	—	—	—	—	—	—	—	·284
·274	·294	·312	·307	·307	·339	·339	·346	·342	·319	·334	·330	·319
·314	·312	·302	·310	·312	·325	·354	·377	·396	·357	·353	·349	·350
·329	·349	·359	·380	·398	·415	·427	·403	·404	·353	·377	·393	·362
·385	·382	·376	·395	·376	·369	·245	·347	·354	·348	·310	·307	·272
·323	·336	·284	·262	·273	·258	·252	·231	·252	·238	·246	·238	·310
·344	·369	·375	·380	·361	·342	·338	·342	·335	·308	·349	·342	·338
—	—	—	—	—	—	—	—	—	—	—	—	·303
·355	·351	·340	·354	·354	·373	·354	·354	·374	·355	·320	·330	·351
·309	·290	·307	·321	·315	·321	·287	·296	·300	·309	·317	·317	·357
·356	·348	·359	·360	·386	·353	·366	·375	·376	·387	·378	·377	·315
·335	·343	·334	·339	·350	·358	·358	·396	·365	·359	·388	·363	·315
·246	·197	·121	·369	·352	·341	·357	·354	·342	·352	·404	·377	·363
·388	·377	·386	·370	·358	·347	·321	·313	·290	·262	·256	·250	·314
—	—	—	—	—	—	—	—	—	—	—	—	·232
·336	·336	·357	·343	·352	·392	·384	·375	·340	·338	·319	·281	·249
·238	·235	·228	·224	·239	·260	·249	·221	·250	·257	·256	·242	·277
·244	·257	·276	·274	·274	·286	·285	·284	·291	·275	·270	·265	·251
·272	·286	·292	·297	·297	·301	·316	·307	·317	·299	·286	·298	·254
·245	·247	·236	·245	·266	·243	·232	·230	·229	·232	·250	·246	·275
·260	·273	·258	·263	·236	·256	·226	·211	·226	·224	·222	·220	·296
—	—	—	—	—	—	—	—	—	—	—	—	·331
·299	·315	·319	·333	—	·318	·310	·268	·271	·262	·281	·267	·275
·275	·275	·295	·286	·302	·322	·313	·307	·304	·315	·318	·317	·296
·292	·301	·326	·330	·335	·326	·325	·312	·315	·312	·316	·307	·311
·328	·328	·363	·373	·373	·381	·370	·358	·353	·358	·358	·358	—
·314	·318	·319	·331	·335	·336	·326	·326	·325	·317	·318	·312	·311

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.													
Hours of Mean Gottingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. MAY.	1	100	100	100	100	98	100	100	100	100	100	100	
	2	91	90	90	90	—	89	95	95	94	94	95	
	3	91	85	88	—	—	—	—	—	—	—	—	
	4	—	—	—	95	96	96	98	98	95	100	98	100
	5	93	93	94	97	98	98	98	96	95	95	95	98
	6	81	81	84	82	82	81	77	80	77	75	78	80
	7	85	87	94	91	91	93	93	85	83	91	93	94
	8	77	80	84	83	80	82	82	83	83	79	79	85
	9	78	78	80	80	80	80	77	75	75	76	78	80
	10	73	74	74	—	—	—	—	—	—	—	—	—
	11	—	—	—	73	76	79	83	88	—	91	92	92
	12	73	81	75	76	84	87	90	89	83	87	88	83
	13	84	88	93	92	72	73	75	78	—	83	80	80
	14	77	80	80	78	80	84	81	83	92	90	91	98
	15	83	86	91	93	94	94	94	94	97	98	98	98
	16	91	93	91	93	93	93	92	94	94	94	93	89
	17	81	81	81	—	—	—	—	—	—	—	—	—
	18	—	—	—	83	84	81	84	82	85	87	89	91
	19	90	91	91	91	—	91	91	89	89	91	94	91
	20	100	100	96	96	—	94	94	96	93	94	91	88
	21	77	72	76	80	80	85	90	88	90	90	90	90
	22	81	81	81	88	84	88	79	82	81	81	84	80
	23	97	97	98	97	93	90	89	82	82	76	76	75
	24	84	85	86	—	—	—	—	—	—	—	—	—
	25	—	—	—	100	100	100	100	100	100	100	100	100
	26	98	100	100	100	—	—	100	100	100	100	100	100
	27	100	100	100	100	100	100	100	100	—	100	100	100
	28	77	86	78	91	83	85	79	80	79	82	80	79
	29	85	86	90	87	89	93	91	93	91	96	96	96
	30	97	94	92	89	91	91	93	95	95	90	87	95
	31	83	88	91	—	—	—	—	—	—	—	—	—
Hourly Means	86	87	88	89	88	89	89	89	89	90	90	91	
Tension of the Vapour. MAY.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
	1	.358	.355	.349	.352	.349	.355	.355	.349	.349	.346	.343	.355
	2	.326	.323	.323	.323	—	.293	.294	.308	.306	.309	.313	.327
	3	.317	.304	.309	—	—	—	—	—	—	—	—	—
	4	—	—	—	.285	.288	.273	.266	.267	.250	.263	.255	.272
	5	.353	.356	.359	.367	.366	.361	.355	.353	.344	.327	.322	.343
	6	.305	.297	.292	.290	.288	.277	.261	.262	.246	.240	.245	.245
	7	.208	.210	.224	.215	.215	.218	.218	.205	.205	.221	.222	.216
	8	.200	.206	.211	.205	.202	.201	.202	.203	.201	.192	.194	.221
	9	.252	.252	.255	.255	.255	.255	.252	.247	.247	.249	.255	.258
	10	.254	.251	.249	—	—	—	—	—	—	—	—	—
	11	—	—	—	.254	.259	.269	.280	.284	—	.282	.285	.288
	12	.292	.314	.286	.286	.302	.307	.312	.301	.280	.267	.272	.280
	13	.307	.331	.342	.317	.259	.262	.258	.264	—	.260	.255	.264
	14	.278	.291	.288	.280	.288	.291	.271	.263	.268	.263	.263	.294
	15	.250	.231	.229	.232	.228	.224	.222	.220	.221	.223	.217	.237
	16	.220	.218	.213	.210	.203	.203	.201	.201	.201	.201	.197	.205
	17	.220	.218	.214	—	—	—	—	—	—	—	—	—
	18	—	—	—	.224	.223	.214	.217	.208	.209	.210	.207	.223
	19	.243	.241	.237	.233	—	.227	.227	.221	.213	.211	.214	.217
	20	.276	.285	.283	.273	—	.261	.261	.267	.255	.257	.252	.249
	21	.280	.265	.256	.252	.250	.251	.254	.249	.252	.252	.252	.252
	22	.307	.316	.310	.317	.310	.311	.313	.305	.297	.302	.302	.296
	23	.364	.359	.369	.356	.356	.354	.357	.351	.360	.355	.358	.359
	24	.315	.312	.307	—	—	—	—	—	—	—	—	—
	25	—	—	—	.381	.381	.375	.372	.366	.346	.346	.341	.343
	26	.343	.332	.337	.317	—	—	.300	.300	.297	.288	.279	.286
	27	.330	.332	.330	.332	.330	.330	.327	.322	—	.309	.296	.289
	28	.257	.276	.259	.281	.258	.262	.243	.243	.239	.241	.236	.233
	29	.223	.227	.231	.215	.209	.205	.201	.200	.192	.195	.195	.195
	30	.322	.315	.304	.290	.285	.282	.287	.289	.280	.270	.263	.277
Hourly Means	.285	.285	.283	.282	.277	.274	.273	.271	.263	.265	.263	.270	

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.
21	22	23	0	1	2	3	4	5	6	7	8	
98	100	91	85	85	80	80	76	75	79	84	93	93
93	84	86	74	73	73	78	76	78	80	84	86	86
—	—	—	—	—	—	—	—	—	—	—	—	91
98	86	93	85	77	77	81	82	86	87	91	93	84
96	83	75	67	61	60	57	65	75	69	73	76	78
74	75	73	74	67	75	68	79	81	82	85	84	86
94	91	77	82	83	80	78	78	76	77	84	80	76
76	70	64	64	64	66	68	71	73	75	75	80	70
78	77	72	69	68	69	71	71	73	77	75	77	75
—	—	—	—	—	—	—	—	—	—	—	—	72
90	87	75	67	60	58	58	62	68	70	70	69	76
74	68	62	65	64	58	47	40	43	62	65	78	81
79	75	80	70	64	62	61	66	72	73	74	74	87
92	80	77	70	69	71	72	77	77	83	80	81	79
90	82	78	74	72	68	64	76	84	90	93	91	82
82	75	70	51	55	51	57	58	64	74	77	81	87
—	—	—	—	—	—	—	—	—	—	—	—	82
85	77	70	67	72	73	73	80	84	89	90	88	87
86	87	75	73	73	77	80	84	89	94	96	93	85
88	84	81	74	68	69	70	75	78	77	76	78	79
90	81	78	73	69	63	66	71	75	78	75	75	82
82	80	84	81	76	75	74	72	89	89	89	93	80
75	75	80	76	72	69	61	66	64	69	73	76	95
—	—	—	—	—	—	—	—	—	—	—	—	99
100	100	100	89	88	86	87	90	96	98	100	98	89
100	—	—	100	100	97	96	96	97	95	100	98	81
100	93	91	82	76	—	68	68	71	60	60	86	91
72	73	75	71	70	80	85	85	86	86	88	81	89
94	91	81	82	77	79	94	100	100	100	98	97	89
91	86	85	83	82	72	77	87	90	82	98	97	—
—	—	—	—	—	—	—	—	—	—	—	—	—
88	82	79	75	72	71	72	75	79	81	83	85	84
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
.366	.387	.386	.353	.347	.339	.330	.308	.292	.299	.291	.325	.343
.328	.321	.338	.303	.298	.292	.308	.297	.297	.299	.310	.315	.311
—	—	—	—	—	—	—	—	—	—	—	—	.311
.290	.296	.336	.353	.354	.354	.361	.351	.355	.349	.360	.362	.344
.373	.371	.372	.373	.358	.338	.314	.327	.326	.295	.298	.308	.251
.241	.241	.247	.237	.228	.244	.224	.232	.222	.216	.217	.223	.220
.238	.261	.223	.230	.243	.237	.219	.215	.206	.206	.216	.204	.221
.210	.225	.223	.233	.236	.242	.248	.249	.247	.250	.247	.255	.260
.264	.275	.268	.264	.262	.267	.267	.263	.267	.270	.270	.261	.292
—	—	—	—	—	—	—	—	—	—	—	—	.280
.320	.336	.335	.338	.320	.307	.302	.307	.311	.307	.296	.290	.277
.283	.299	.230	.321	.336	.305	.245	.190	.198	.255	.258	.294	.277
.266	.265	.288	.275	.269	.273	.261	.274	.278	.272	.275	.268	.239
.306	.296	.286	.281	.276	.276	.267	.267	.254	.269	.264	.264	.214
.237	.241	.246	.253	.268	.260	.244	.259	.259	.254	.244	.231	.237
.214	.217	.223	.202	.229	.223	.243	.231	.221	.228	.222	.220	.249
—	—	—	—	—	—	—	—	—	—	—	—	.274
.231	.242	.244	.243	.268	.281	.270	.283	.271	.267	.259	.247	.278
.229	.246	.240	.254	.275	.286	.291	.288	.298	.295	.292	.259	.322
.260	.267	.283	.297	.287	.290	.286	.284	.285	.283	.280	.288	.322
.276	.291	.308	.310	.322	.304	.300	.304	.303	.308	.297	.297	.322
.301	.302	.327	.328	.326	.326	.327	.327	.386	.366	.363	.365	.367
.379	.385	.409	.419	.413	.403	.371	.375	.366	.332	.330	.318	.357
—	—	—	—	—	—	—	—	—	—	—	—	.322
.355	.355	.364	.366	.387	.379	.381	.369	.361	.355	.358	.349	.303
.298	—	—	.332	.347	.358	.357	.347	.334	.322	.338	.321	.246
.311	.304	.326	.319	.308	—	.269	.255	.251	.262	.262	.272	.246
.230	.234	.244	.234	.234	.255	.255	.254	.246	.237	.228	.215	.246
.214	.225	.222	.245	.252	.269	.316	.332	.343	.341	.332	.322	.273
.281	.272	.275	.269	.253	.230	.240	.255	.256	.241	.266	.262	—
.281	.286	.290	.293	.296	.293	.288	.286	.286	.284	.284	.282	.282

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20
Humidity of the Air. JUNE.	1	—	—	—	98	94	94	94	94	96	96	95
	2	87	90	86	85	85	93	91	100	100	94	97
	3	92	82	88	94	98	98	98	96	98	100	100
	4	91	88	85	83	87	87	85	85	84	87	82
	5	86	80	84	87	86	85	82	77	68	77	88
	6	72	77	77	77	75	78	83	76	—	74	77
	7	69	69	72	—	—	—	—	—	—	—	—
	8	—	—	—	90	88	87	74	73	77	79	94
	9	65	62	66	69	—	68	59	61	67	72	68
	10	81	79	78	80	77	73	67	66	70	71	76
	11	90	88	93	91	—	—	—	—	—	—	96
	12	95	94	98	93	100	98	98	95	95	97	97
	13	91	90	92	93	—	97	97	97	97	97	98
	14	88	93	94	—	—	—	—	—	—	—	—
	15	—	—	—	94	94	97	94	97	98	98	98
	16	83	85	82	79	79	79	77	82	89	85	85
	17	76	84	88	92	92	94	93	97	88	90	91
	18	78	78	81	85	91	91	91	91	—	90	90
	19	85	90	93	93	94	97	98	94	94	94	88
	20	91	91	96	96	96	96	98	97	97	97	98
	21	91	93	93	—	—	—	—	—	—	—	—
	22	—	—	—	88	81	85	89	89	86	89	86
	23	100	90	88	91	91	93	98	100	100	98	100
	24	91	91	91	91	93	97	97	97	—	96	100
	25	98	97	98	98	100	96	98	100	98	98	98
	26	98	91	85	89	88	91	92	95	—	89	100
	27	91	96	89	85	—	85	88	86	83	81	90
	28	80	83	86	—	—	—	—	—	—	—	—
	29	—	—	—	65	69	71	69	71	—	74	75
	30	91	—	80	74	77	77	76	76	75	75	75
	Hourly Means	86	86	86	87	88	88	87	88	88	88	90
Tension of the Vapour. JUNE.	May 31	In. .226	In. .234	In. .237	—	—	—	—	—	—	—	—
	1	—	—	—	.226	.212	.201	.197	.194	.190	.189	.193
	2	.232	.233	.229	.229	.221	.222	.220	.240	.248	.242	.253
	3	.265	.248	.260	.273	.275	.282	.282	.271	.271	.274	.274
	4	.256	.254	.251	.248	.253	.251	.253	.253	.252	.257	.250
	5	.326	.299	.310	.315	.285	.262	.246	.229	.201	.222	.234
	6	.212	.224	.233	.236	.244	.261	.274	.264	—	.262	.261
	7	.290	.290	.289	—	—	—	—	—	—	—	—
	8	—	—	—	.343	.343	.338	.294	.287	.289	.296	.336
	9	.238	.231	.246	.262	—	.262	.234	.246	.262	.273	.268
	10	.313	.307	.297	.299	.291	.275	.249	.238	.242	.236	.239
	11	.227	.226	.240	.227	—	—	—	—	—	—	.202
	12	.214	.201	.202	.202	.211	.208	.208	.206	.207	.208	.208
	13	.241	.234	.237	.237	—	.233	.229	.226	.219	.217	.223
	14	.253	.241	.240	—	—	—	—	—	—	—	—
	15	—	—	—	.236	.232	.233	.226	.225	.226	.225	.223
	16	.242	.245	.243	.236	.235	.233	.228	.230	.247	.231	.233
	17	.196	.213	.219	.230	.235	.242	.240	.254	.238	.239	.233
	18	.200	.204	.209	.209	.207	.200	.198	.200	—	.201	.203
	19	.245	.250	.250	.248	.251	.250	.251	.247	.246	.243	.226
	20	.209	.196	.204	.202	.200	.193	.191	.186	.184	.182	.184
	21	.206	.209	.209	—	—	—	—	—	—	—	—
	22	—	—	—	.231	.210	.215	.220	.213	.202	.200	.194
	23	.276	.250	.247	.241	.233	.226	.231	.232	.236	.232	.226
	24	.243	.233	.233	.231	.232	.233	.221	.211	—	.191	.196
	25	.225	.215	.211	.210	.207	.201	.203	.205	.204	.204	.203
	26	.327	.317	.306	.312	.298	.304	.306	.303	—	.282	.302
	27	.290	.297	.277	.262	—	.249	.254	.246	.237	.226	.237
	28	.264	.267	.274	—	—	—	—	—	—	—	—
	29	—	—	—	.263	.270	.267	.262	.263	—	.268	.261
	30	.346	—	.283	.262	.267	.267	.264	.261	.258	.264	.264
Hourly Means	.252	.245	.247	.249	.235	.244	.239	.237	.222	.235	.236	

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.
21	22	23	0	1	2	3	4	5	6	7	8	
96	91	81	76	71	71	70	74	80	80	81	85	87
96	95	86	86	83	80	79	77	78	85	86	88	89
100	88	67	67	71	70	72	76	81	80	77	89	87
79	68	69	68	63	63	71	73	79	85	83	81	79
77	77	85	77	70	70	85	79	78	85	81	76	80
82	79	79	74	72	72	75	82	70	69	67	71	73
—	—	—	—	—	—	—	—	—	—	—	—	—
82	81	88	85	85	76	74	77	74	73	76	73	80
70	67	65	65	65	66	67	71	77	90	81	83	69
77	83	77	70	74	80	88	82	85	86	84	85	78
98	97	87	74	77	69	72	74	82	86	89	94	87
96	97	94	88	87	85	85	85	86	89	84	90	93
94	91	96	88	84	80	79	84	85	87	90	84	91
—	—	—	—	—	—	—	—	—	—	—	—	—
98	98	98	92	89	90	90	85	88	87	80	82	93
93	88	77	85	77	75	75	72	74	65	68	73	80
83	91	90	74	76	68	68	77	79	83	80	83	84
93	91	91	88	89	95	92	90	83	82	74	76	87
98	96	92	73	85	74	72	77	77	82	88	82	88
98	95	89	84	84	81	83	84	87	91	89	86	91
—	—	—	—	—	—	—	—	—	—	—	—	—
89	84	78	77	75	77	80	82	87	89	90	91	86
100	98	98	81	75	78	72	78	77	88	91	90	91
100	97	93	88	82	77	76	80	88	93	94	97	92
98	100	98	100	100	100	100	100	100	100	100	100	99
100	94	98	97	90	91	95	95	97	95	97	95	94
83	77	77	73	71	73	76	78	78	83	80	78	82
—	—	—	—	—	—	—	—	—	—	—	—	—
73	69	66	65	60	59	60	64	68	68	71	80	71
73	68	69	67	66	66	67	65	65	72	73	75	73
89	87	84	79	78	76	78	79	81	84	83	84	85
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
—	—	—	—	—	—	—	—	—	—	—	—	—
·208	·215	·222	·235	·237	·239	·240	·226	·227	·222	·221	·221	·217
·271	·277	·277	·288	·283	·283	·275	·261	·257	·265	·265	·265	·254
·308	·337	·299	·299	·317	·315	·289	·281	·277	·264	·246	·260	·281
·272	·272	·295	·301	·291	·297	·311	·317	·334	·359	·333	·316	·270
·231	·233	·253	·240	·234	·229	·251	·232	·221	·231	·222	·218	·248
·313	·322	·340	·324	·332	·336	·345	·354	·313	·304	·297	·301	·289
—	—	—	—	—	—	—	—	—	—	—	—	—
·328	·313	·317	·293	·288	·277	·273	·270	·262	·254	·259	·251	·296
·289	·279	·286	·286	·300	·300	·297	·307	·328	·354	·322	·327	·281
·246	·260	·252	·237	·237	·254	·247	·232	·231	·229	·223	·221	·253
·235	·251	·258	·237	·236	·214	·217	·213	·230	·216	·213	·222	·226
·208	·231	·244	·249	·255	·254	·254	·249	·245	·246	·229	·234	·224
·232	·246	·277	·254	·266	·262	·275	·269	·254	·253	·255	·257	·244
—	—	—	—	—	—	—	—	—	—	—	—	—
·232	·233	·249	·254	·268	·266	·272	·260	·259	·256	·244	·240	·242
·246	·263	·268	·253	·240	·215	·210	·190	·192	·173	·176	·185	·227
·223	·239	·227	·215	·221	·194	·192	·203	·205	·209	·201	·206	·221
·223	·233	·246	·260	·270	·279	·276	·267	·246	·237	·217	·223	·227
·251	·262	·271	·228	·256	·231	·222	·230	·226	·228	·234	·203	·241
·200	·211	·208	·216	·227	·223	·221	·218	·213	·214	·208	·203	·202
—	—	—	—	—	—	—	—	—	—	—	—	—
·217	·222	·221	·231	·236	·247	·252	·254	·255	·256	·254	·255	·225
·234	·251	·285	·277	·270	·275	·253	·259	·238	·249	·247	·245	·247
·222	·235	·255	·251	·263	·261	·256	·254	·245	·244	·230	·223	·225
·211	·222	·229	·238	·250	·252	·252	·250	·246	·250	·258	·267	·226
·330	·325	·321	·333	·331	·326	·324	·319	·316	·311	·309	·300	·314
·234	·231	·236	·245	·251	·251	·259	·255	·255	·267	·264	·261	·253
—	—	—	—	—	—	—	—	—	—	—	—	—
·287	·293	·297	·303	·300	·294	·284	·286	·281	·276	·278	·305	·279
·267	·271	·282	·288	·294	·297	·300	·274	·265	·278	·281	·284	·277
·251	·259	·266	·263	·267	·264	·263	·259	·255	·256	·249	·249	·250

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. JULY.	1	75	77	76	75	74	72	72	69	72	75	80	75
	2	76	77	84	85	84	85	86	88	88	89	89	91
	3	94	93	91	91	91	91	91	87	90	93	93	92
	4	77	76	86	78	—	—	78	80	77	75	77	77
	5	76	78	80	—	—	—	—	—	—	—	—	—
	6	—	—	—	85	86	89	89	89	91	89	91	87
	7	78	72	76	78	78	75	78	82	81	82	82	88
	8	78	74	77	78	79	75	77	75	74	73	73	78
	9	84	72	91	91	90	88	91	91	89	91	97	97
	10	97	100	99	98	98	96	98	100	100	100	100	100
	11	96	96	98	96	98	96	98	98	98	100	96	100
	12	94	93	93	—	—	—	—	—	—	—	—	—
	13	—	—	—	100	96	98	100	96	96	95	100	87
	14	100	100	100	100	100	99	100	100	100	100	100	100
	15	95	95	95	98	—	96	99	100	100	100	100	100
	16	85	91	93	93	91	91	94	97	97	93	97	94
	17	100	98	100	100	96	98	95	100	97	99	100	99
	18	96	94	92	89	91	96	97	100	—	100	100	98
	19	92	87	90	—	—	—	—	—	—	—	—	—
	20	—	—	—	100	100	95	98	85	87	87	88	92
	21	69	69	68	70	73	69	69	70	70	70	73	88
	22	96	95	90	96	96	98	93	87	87	91	90	91
	23	93	94	94	94	—	94	93	91	94	98	91	89
	24	74	74	76	70	86	89	91	92	92	89	86	83
	25	81	83	88	90	90	89	93	94	—	96	98	98
	26	89	91	97	—	—	—	—	—	—	—	—	—
	27	—	—	—	80	82	80	80	80	83	85	85	88
	28	85	90	85	94	92	90	90	91	95	98	95	98
	29	92	95	96	98	92	92	90	94	92	92	92	94
	30	77	77	77	79	80	85	88	90	—	90	93	94
	31	78	88	83	78	76	73	70	77	77	80	82	83
Hourly Means	86	86	88	88	88	88	89	89	89	90	92	91	
Tension of the Vapour. JULY.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
	1	.284	.286	.281	.281	.281	.273	.276	.264	.270	.277	.288	.267
	2	.242	.242	.250	.251	.241	.244	.237	.238	.236	.233	.231	.239
	3	.252	.253	.252	.252	.254	.256	.265	.262	.261	.268	.262	.270
	4	.242	.242	.262	.257	—	—	.252	.252	.236	.221	.220	.220
	5	.197	.197	.196	—	—	—	—	—	—	—	—	—
	6	—	—	—	.199	.198	.203	.207	.207	.207	.199	.201	.204
	7	.219	.202	.210	.209	.209	.204	.207	.214	.216	.218	.218	.234
	8	.263	.249	.258	.264	.266	.264	.270	.264	.256	.251	.247	.255
	9	.248	.206	.233	.241	.241	.242	.233	.231	.213	.209	.223	.235
	10	.223	.225	.220	.211	.210	.209	.206	.208	.208	.208	.207	.212
	11	.207	.206	.206	.201	.203	.201	.191	.190	.184	.187	.180	.187
	12	.232	.228	.227	—	—	—	—	—	—	—	—	—
	13	—	—	—	.300	.292	.297	.303	.307	.288	.286	.338	.342
	14	.352	.348	.340	.338	.330	.320	.308	.300	.288	.278	.282	.278
	15	.300	.303	.303	.306	—	.283	.265	.260	.254	.248	.246	.258
	16	.253	.259	.255	.253	.243	.239	.244	.237	.237	.228	.233	.230
	17	.249	.243	.247	.256	.244	.247	.229	.238	.234	.233	.232	.240
	18	.264	.261	.268	.267	.254	.267	.253	.256	—	.252	.243	.247
	19	.233	.222	.229	—	—	—	—	—	—	—	—	—
	20	—	—	—	.311	.308	.293	.282	.258	.257	.255	.264	.272
	21	.186	.188	.189	.196	.207	.197	.197	.200	.200	.200	.211	.234
	22	.267	.257	.250	.255	.253	.255	.240	.218	.210	.211	.201	.203
	23	.212	.214	.212	.208	—	.214	.208	.200	.212	.217	.211	.211
	24	.247	.246	.252	.259	.275	.277	.285	.282	.282	.277	.268	.269
	25	.254	.246	.247	.259	.225	.219	.218	.212	—	.200	.203	.213
	26	.217	.215	.227	—	—	—	—	—	—	—	—	—
	27	—	—	—	.234	.239	.238	.238	.243	.239	.235	.235	.251
	28	.260	.266	.255	.264	.259	.250	.243	.247	.246	.266	.259	.266
	29	.311	.308	.303	.302	.287	.284	.278	.278	.275	.265	.268	.278
	30	.242	.238	.238	.236	.238	.235	.230	.235	—	.231	.226	.238
31	.263	.287	.265	.255	.239	.228	.214	.222	.222	.227	.230	.239	
Hourly Means	.249	.246	.247	.254	.250	.248	.244	.242	.239	.236	.238	.244	

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.
21	22	23	0	1	2	3	4	5	6	7	8	
68	60	61	63	64	61	65	67	63	70	73	75	70
87	82	83	79	77	69	67	73	89	88	82	86	83
91	81	81	71	68	66	65	68	71	73	69	74	82
77	70	71	70	67	64	66	74	79	79	82	77	75
—	—	—	—	—	—	—	—	—	—	—	—	—
85	83	77	72	77	72	74	82	92	88	74	75	83
82	78	77	75	71	67	71	71	71	74	76	76	77
78	74	70	68	66	67	69	66	72	78	84	84	75
91	87	82	74	77	72	75	78	83	91	91	94	86
98	94	91	86	83	—	82	90	91	94	97	98	95
94	96	87	79	78	73	74	71	79	84	91	91	90
—	—	—	—	—	—	—	—	—	—	—	—	—
82	78	77	73	76	93	96	98	100	100	100	100	93
100	100	100	98	94	93	93	94	95	92	92	92	98
98	95	70	67	69	68	69	67	71	72	81	84	87
94	95	88	92	88	90	90	90	92	95	94	100	93
98	95	100	83	84	81	82	85	88	94	—	96	94
98	92	81	74	71	71	68	74	77	88	86	90	88
—	—	—	—	—	—	—	—	—	—	—	—	—
90	94	81	88	83	78	86	79	79	75	70	71	87
92	93	95	89	92	88	86	89	95	95	96	96	82
87	81	79	77	77	72	75	79	83	84	89	91	87
84	85	75	70	70	72	71	77	79	77	77	73	84
81	81	82	80	76	67	65	69	68	77	80	79	80
97	88	72	83	70	69	71	75	82	86	91	89	86
—	—	—	—	—	—	—	—	—	—	—	—	—
84	83	80	76	67	68	64	69	71	77	77	—	80
92	98	89	87	85	76	74	75	79	80	81	86	88
83	83	81	73	69	65	67	68	82	76	74	78	84
90	84	74	72	73	73	75	76	74	74	75	72	80
73	74	77	68	74	62	67	74	77	82	88	76	77
88	85	81	77	76	73	74	77	81	83	83	85	84
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
.251	.225	.228	.233	.241	.236	.244	.238	.224	.234	.239	.240	.257
.253	.263	.272	.266	.278	.264	.252	.249	.273	.270	.241	.239	.250
.282	.294	.307	.278	.270	.263	.257	.251	.248	.249	.239	.241	.262
.238	.234	.236	.240	.226	.221	.210	.226	.230	.217	.216	.201	.232
—	—	—	—	—	—	—	—	—	—	—	—	—
.215	.228	.224	.223	.242	.230	.234	.248	.259	.247	.213	.211	.216
.253	.245	.261	.264	.267	.254	.257	.248	.244	.244	.252	.252	.233
.272	.283	.286	.284	.285	.291	.284	.246	.253	.255	.255	.259	.265
.245	.253	.257	.253	.267	.259	.261	.249	.241	.243	.233	.230	.239
.214	.230	.238	.238	.243	—	.237	.239	.220	.218	.217	.218	.220
.188	.208	.222	.243	.257	.251	.251	.236	.232	.227	.228	.224	.213
—	—	—	—	—	—	—	—	—	—	—	—	—
.336	.343	.354	.369	.375	.413	.388	.381	.371	.371	.364	.358	.328
.295	.302	.320	.324	.343	.342	.342	.337	.327	.307	.306	.306	.317
.274	.303	.308	.297	.290	.293	.292	.276	.273	.265	.264	.259	.279
.238	.261	.260	.280	.274	.283	.281	.278	.268	.261	.248	.252	.254
.243	.259	.290	.286	.295	.304	.308	.299	.276	.275	—	.269	.261
.266	.272	.272	.259	.257	.260	.240	.249	.236	.240	.231	.231	.254
—	—	—	—	—	—	—	—	—	—	—	—	—
.278	.271	.280	.290	.283	.261	.275	.241	.227	.207	.196	.194	.258
.254	.262	.275	.270	.292	.287	.285	.275	.264	.268	.269	.269	.236
.210	.216	.223	.229	.236	.228	.231	.236	.228	.219	.219	.211	.229
.221	.244	.237	.246	.254	.267	.262	.275	.275	.256	.246	.239	.232
.275	.286	.307	.325	.341	.314	.292	.293	.260	.283	.283	.269	.281
.227	.236	.219	.263	.234	.239	.244	.247	.237	.223	.229	.225	.231
—	—	—	—	—	—	—	—	—	—	—	—	—
.269	.274	.285	.299	.291	.279	.252	.262	.249	.256	.249	—	.251
.265	.305	.298	.315	.330	.312	.309	.297	.299	.296	.297	.304	.279
.263	.272	.286	.298	.290	.274	.279	.268	.293	.254	.244	.249	.279
.248	.269	.251	.256	.267	.287	.278	.281	.270	.265	.270	.259	.252
.232	.237	.252	.224	.244	.214	.221	.231	.222	.230	.230	.214	.235
.252	.262	.268	.272	.277	.274	.269	.265	.259	.255	.249	.247	.254

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. SEPTEMBER.	1	66	54	62	65	73	66	69	64	64	67	72	75
	2	75	79	80	78	83	78	74	74	74	73	72	73
	3	65	67	64	66	69	72	74	77	77	76	75	77
	4	95	91	94	90	85	80	80	82	81	82	84	75
	5	84	87	87	84	84	85	87	88	90	90	90	83
	6	94	92	93	—	—	—	—	—	—	—	—	—
	7	—	—	—	94	95	96	95	95	95	92	92	81
	8	72	77	77	77	78	76	82	82	86	86	85	83
	9	86	84	88	93	84	88	89	83	87	84	84	84
	10	61	67	69	71	70	71	79	78	71	77	68	65
	11	67	64	67	66	71	73	71	74	71	67	73	69
	12	69	69	70	73	74	76	77	77	77	78	83	76
	13	85	87	90	—	—	—	—	—	—	—	—	—
	14	—	—	—	87	84	84	76	73	74	64	64	56
	15	74	75	77	77	79	82	82	85	84	87	86	82
	16	66	70	69	74	75	77	79	79	—	82	79	73
	17	67	70	71	70	74	76	78	78	83	82	89	83
	18	92	96	97	94	94	93	100	99	98	94	93	91
	19	60	56	56	59	—	—	—	61	61	61	61	61
	20	95	96	96	—	—	—	—	—	—	—	—	—
	21	—	—	—	66	67	76	75	77	70	74	74	71
	22	74	81	80	79	79	82	80	80	80	79	76	70
	23	61	59	65	66	73	73	83	82	70	58	66	52
	24	82	86	91	94	100	86	85	77	82	79	74	72
	25	81	84	82	86	81	84	82	85	84	81	80	76
	26	61	61	59	61	61	59	50	51	48	51	52	64
	27	100	100	100	—	—	—	—	—	—	—	—	—
	28	—	—	—	80	79	81	92	71	72	75	71	68
	29	83	83	85	85	84	83	88	89	90	89	86	86
	30	93	91	93	95	95	95	94	95	—	98	100	100
	Hourly Means	77	78	79	78	80	80	81	79	75	78	78	75
Tension of the Vapour. SEPTEMBER.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
	1	.252	.248	.243	.258	.281	.250	.257	.236	.236	.241	.265	.282
	2	.272	.272	.266	.252	.272	.260	.252	.251	.252	.251	.254	.275
	3	.265	.268	.264	.274	.284	.292	.283	.283	.270	.256	.257	.275
	4	.261	.252	.244	.229	.215	.200	.198	.200	.196	.198	.215	.227
	5	.256	.251	.255	.248	.246	.246	.246	.242	.243	.239	.251	.264
	6	.309	.298	.305	—	—	—	—	—	—	—	—	—
	7	—	—	—	.285	.278	.280	.278	.277	.274	.261	.272	.274
	8	.260	.267	.257	.254	.249	.235	.240	.239	.237	.235	.246	.265
	9	.338	.350	.348	.345	.291	.298	.301	.269	.267	.265	.274	.286
	10	.302	.321	.319	.315	.305	.301	.319	.297	.260	.256	.231	.217
	11	.177	.172	.177	.171	.185	.187	.181	.186	.179	.174	.203	.209
	12	.243	.241	.244	.249	.247	.250	.252	.252	.252	.255	.272	.267
	13	.276	.264	.263	—	—	—	—	—	—	—	—	—
	14	—	—	—	.374	.365	.365	.343	.315	.302	.254	.257	.245
	15	.217	.226	.227	.222	.225	.235	.226	.227	.215	.216	.237	.250
	16	.192	.200	.192	.201	.204	.205	.211	.215	—	.224	.241	.251
	17	.236	.246	.248	.237	.249	.256	.264	.261	.267	.260	.306	.280
	18	.295	.311	.309	.298	.285	.270	.274	.277	.271	.267	.282	.293
	19	.258	.232	.225	.235	—	—	—	.253	.258	.263	.269	.284
	20	.288	.303	.300	—	—	—	—	—	—	—	—	—
	21	—	—	—	.208	.211	.228	.221	.224	.211	.228	.247	.257
	22	.253	.269	.252	.241	.234	.239	.234	.236	.238	.234	.238	.244
	23	.274	.246	.245	.232	.235	.234	.237	.230	.200	.169	.192	.166
	24	.240	.239	.243	.250	.265	.244	.249	.224	.238	.239	.249	.276
	25	.319	.321	.310	.317	.305	.315	.306	.304	.307	.299	.294	.297
	26	.263	.258	.239	.241	.241	.244	.219	.227	.219	.230	.249	.292
	27	.332	.332	.338	—	—	—	—	—	—	—	—	—
	28	—	—	—	.348	.349	.357	.421	.337	.330	.329	.325	.320
	29	.277	.274	.288	.279	.271	.272	.279	.282	.285	.282	.279	.293
	30	.336	.334	.336	.335	.335	.335	.333	.327	—	.340	.346	.355
Hourly Means	.269	.269	.267	.265	.265	.264	.265	.257	.250	.249	.260	.267	

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.
21	22	23	0	1	2	3	4	5	6	7	8	
63	62	59	63	60	57	56	56	60	65	69	72	64
66	72	58	53	46	48	48	50	51	54	60	63	66
68	70	73	73	67	76	76	75	80	83	85	88	74
70	66	66	59	54	56	57	60	64	69	72	78	75
79	75	67	55	60	68	68	76	82	88	89	91	81
—	—	—	—	—	—	—	—	—	—	—	—	—
77	73	67	62	58	55	56	58	63	67	73	75	79
77	67	64	62	58	52	56	69	73	77	82	82	74
78	63	57	52	50	50	49	52	51	54	60	—	72
62	62	52	51	47	60	48	64	63	61	67	68	65
67	62	60	60	58	61	63	63	63	—	64	67	66
67	65	56	52	52	48	47	50	57	68	72	77	67
—	—	—	—	—	—	—	—	—	—	—	—	—
51	53	56	58	57	63	83	81	74	74	75	98	73
73	61	55	48	52	53	52	50	50	56	64	66	69
68	62	58	77	54	54	55	56	56	61	63	64	67
80	89	98	97	92	88	86	86	91	92	95	95	84
81	70	67	56	52	47	47	43	49	57	61	58	76
55	48	41	37	36	37	39	46	48	84	94	96	57
—	—	—	—	—	—	—	—	—	—	—	—	—
65	62	56	55	51	50	50	60	59	65	72	81	69
74	70	67	61	49	45	44	45	50	56	64	61	68
48	51	52	66	52	55	56	57	66	72	77	80	64
65	58	59	60	60	64	64	63	71	75	79	81	75
71	62	62	56	51	52	49	49	56	58	52	53	69
57	49	69	80	87	91	97	100	100	97	98	98	71
—	—	—	—	—	—	—	—	—	—	—	—	—
68	74	93	98	95	90	84	78	84	78	77	83	83
84	84	79	79	81	81	87	88	91	91	93	91	86
100	100	100	100	100	100	98	100	100	100	100	100	98
70	66	65	64	61	62	62	64	67	72	75	76	73
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
.251	.253	.259	.292	.293	.292	.294	.273	.264	.264	.264	.268	.263
.272	.324	.285	.280	.261	.269	.263	.275	.264	.258	.268	.271	.267
.271	.280	.282	.276	.270	.291	.286	.265	.263	.263	.251	.247	.271
.227	.246	.255	.255	.261	.268	.271	.270	.272	.264	.262	.259	.239
.272	.286	.288	.263	.293	.314	.296	.305	.304	.310	.306	.306	.272
—	—	—	—	—	—	—	—	—	—	—	—	—
.278	.287	.291	.303	.303	.304	.298	.295	.292	.279	.279	.276	.286
.275	.294	.307	.328	.338	.321	.350	.397	.388	.381	.377	.364	.296
.302	.320	.333	.332	.332	.328	.303	.310	.294	.304	.313	—	.309
.224	.211	.191	.200	.190	.225	.190	.214	.207	.182	.187	.183	.244
.221	.228	.225	.247	.237	.241	.247	.239	.236	—	.233	.238	.208
.264	.272	.268	.259	.259	.263	.254	.258	.268	.276	.273	.273	.259
—	—	—	—	—	—	—	—	—	—	—	—	—
.241	.252	.274	.288	.282	.295	.327	.307	.273	.249	.240	.305	.290
.234	.207	.198	.187	.195	.189	.195	.185	.177	.183	.189	.192	.211
.254	.257	.271	.364	.269	.275	.263	.256	.231	.228	.228	.227	.237
.296	.312	.318	.314	.306	.298	.293	.293	.299	.295	.308	.303	.281
.297	.292	.262	.287	.288	.281	.284	.266	.271	.288	.280	.267	.283
.288	.290	.264	.260	.264	.274	.277	.294	.287	.304	.285	.290	.269
—	—	—	—	—	—	—	—	—	—	—	—	—
.252	.250	.248	.263	.256	.255	.255	.290	.270	.274	.276	.286	.254
.265	.298	.231	.354	.320	.303	.398	.301	.308	.317	.335	.303	.277
.160	.173	.174	.192	.189	.192	.211	.199	.222	.292	.226	.229	.213
.277	.270	.291	.299	.302	.336	.353	.341	.338	.332	.331	.333	.282
.304	.295	.301	.327	.329	.327	.339	.321	.333	.303	.261	.245	.307
.295	.292	.363	.392	.394	.375	.379	.369	.358	.333	.332	.329	.297
—	—	—	—	—	—	—	—	—	—	—	—	—
.329	.330	.351	.349	.335	.323	.302	.280	.296	.272	.263	.274	.326
.293	.304	.304	.310	.322	.322	.335	.337	.337	.331	.336	.334	.301
.358	.372	.384	.390	.404	.413	.410	.420	.413	.384	.387	.393	.367
.269	.277	.278	.293	.288	.291	.295	.291	.287	.287	.280	.280	.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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. OCTOBER.	1	97	100	100	100	100	100	100	98	100	90	85	
	2	80	80	81	81	84	83	83	86	89	91	86	78
	3	67	73	74	75	76	78	81	81	80	85	84	82
	4	97	96	97	—	—	—	—	—	—	—	—	—
	5	—	—	—	96	94	94	93	96	97	97	96	92
	6	75	80	85	88	82	83	91	76	81	83	83	70
	7	71	73	77	83	85	91	94	93	—	96	85	88
	8	67	69	69	68	67	70	71	92	98	97	100	95
	9	92	92	91	89	88	88	92	92	97	98	97	93
	10	93	93	93	93	93	95	95	95	95	95	92	93
	11	96	96	96	—	—	—	—	—	—	—	—	—
	12	—	—	—	95	95	96	95	92	96	96	96	92
	13	96	99	94	96	96	96	92	95	98	98	94	89
	14	79	79	79	72	—	74	70	70	74	77	83	73
	15	81	84	85	96	94	94	96	94	96	86	80	69
	16	90	87	90	84	84	91	87	85	82	85	76	79
	17	82	75	73	78	80	—	89	90	92	92	86	84
	18	73	69	70	—	—	—	—	—	—	—	—	—
	19	—	—	—	72	77	84	75	76	76	77	74	68
	20	69	66	65	73	70	77	82	77	77	76	73	63
	21	85	86	80	77	76	84	87	85	87	85	83	80
	22	90	94	97	98	98	100	100	98	100	92	86	76
	23	72	73	74	76	77	68	66	70	77	72	69	61
	24	76	71	71	72	—	75	78	81	—	85	73	62
	25	73	70	71	—	—	—	—	—	—	—	—	—
	26	—	—	—	86	88	81	80	79	—	—	79	88
	27	51	52	56	61	63	39	42	41	43	47	43	42
	28	31	38	40	46	46	48	53	53	—	78	82	78
	29	45	47	49	46	56	60	71	68	67	64	60	59
	30	82	85	85	83	85	88	90	90	90	89	86	73
	31	85	87	82	62	61	65	69	74	73	75	70	63
	Hourly Means	78	78	79	79	81	81	82	83	85	85	82	77
Tension of the Vapour. OCTOBER.	1	In. .391	In. .393	In. .393	In. .393	In. .393	In. .384	In. .372	In. .366	In. .375	In. .360	In. .379	
	2	.294	.288	.291	.283	.291	.288	.285	.296	.301	.315	.320	
	3	.291	.301	.297	.297	.302	.305	.310	.307	.306	.324	.336	
	4	.373	.367	.370	—	—	—	—	—	—	—	—	—
	5	—	—	—	.392	.386	.383	.374	.364	.359	.361	.376	.381
	6	.284	.296	.282	.256	.232	.232	.241	.206	.210	.220	.224	.216
	7	.210	.205	.205	.205	.201	.207	.206	.197	—	.202	.199	.232
	8	.257	.264	.264	.257	.249	.257	.259	.306	.316	.309	.316	.316
	9	.317	.315	.309	.293	.293	.295	.306	.306	.314	.324	.336	.351
	10	.336	.336	.336	.336	.330	.335	.330	.324	.322	.319	.319	.330
	11	.353	.353	.355	—	—	—	—	—	—	—	—	—
	12	—	—	—	.409	.402	.404	.400	.390	.401	.404	.405	.411
	13	.431	.429	.386	.377	.364	.350	.329	.336	.329	.325	.307	.286
	14	.239	.236	.239	.226	—	.228	.216	.214	.217	.229	.263	.251
	15	.297	.297	.282	.300	.293	.280	.262	.264	.284	.294	.296	.287
	16	.323	.310	.320	.302	.295	.315	.263	.245	.237	.233	.218	.239
	17	.258	.244	.234	.245	.247	—	.264	.266	.272	.279	.286	.288
	18	.242	.221	.223	—	—	—	—	—	—	—	—	—
	19	—	—	—	.197	.203	.211	.202	.203	.210	.220	.241	.260
	20	.225	.216	.211	.221	.213	.229	.236	.230	.232	.230	.247	.236
	21	.294	.293	.252	.249	.239	.250	.248	.251	.262	.264	.280	.296
	22	.331	.326	.322	.316	.298	.296	.296	.275	.284	.288	.315	.311
	23	.307	.307	.294	.294	.280	.232	.211	.212	.230	.223	.241	.236
	24	.259	.236	.234	.228	—	.217	.221	.214	—	.233	.232	.221
	25	.239	.227	.229	—	—	—	—	—	—	—	—	—
	26	—	—	—	.227	.287	.278	.285	.278	—	—	.299	.322
	27	.321	.323	.334	.365	.390	.244	.249	.243	.259	.281	.282	.304
	28	.270	.300	.298	.319	.319	.323	.334	.330	—	.393	.411	.436
	29	.388	.385	.378	.341	.360	.353	.374	.353	.348	.357	.361	.375
	30	.339	.344	.341	.338	.336	.343	.354	.354	.363	.369	.379	.363
	31	.330	.335	.310	.252	.246	.260	.262	.262	.272	.284	.292	.283
	Hourly Means	.304	.302	.296	.295	.298	.289	.296	.292	.291	.293	.301	.306

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.
21	22	23	0	1	2	3	4	5	6	7	8	
93	90	91	88	87	84	84	85	76	85	76	77	91
74	69	65	68	69	80	81	82	87	93	93	71	81
77	75	68	69	80	92	91	91	93	97	98	94	82
—	—	—	—	—	—	—	—	—	—	—	—	87
88	84	82	82	77	77	77	75	74	79	70	69	72
62	60	53	57	63	61	64	61	62	67	69	68	75
78	71	65	66	61	60	62	61	64	65	68	66	86
88	81	81	90	98	98	96	93	95	98	95	95	91
81	90	93	91	92	87	82	82	87	95	93	94	90
88	85	78	77	80	82	84	85	91	93	94	94	90
—	—	—	—	—	—	—	—	—	—	—	—	90
86	79	74	72	71	80	86	86	89	92	94	99	82
80	73	71	80	59	61	59	63	63	70	72	75	73
75	67	63	59	61	65	71	71	74	81	80	84	76
60	54	51	41	41	41	62	75	82	82	82	86	74
71	70	65	59	57	58	53	59	61	65	67	74	74
84	67	62	59	57	59	54	55	58	69	73	77	72
—	—	—	—	—	—	—	—	—	—	—	—	73
69	62	68	71	80	68	68	67	71	78	77	78	79
65	60	59	68	—	77	76	71	76	80	85	81	75
67	68	64	64	68	68	77	78	84	86	88	87	75
69	58	55	56	52	53	46	48	53	58	62	66	68
55	57	52	52	54	62	66	69	69	75	78	76	70
57	60	58	61	66	63	68	78	77	78	67	70	66
—	—	—	—	—	—	—	—	—	—	—	—	38
88	78	69	58	49	50	39	42	44	44	46	47	44
41	37	37	29	20	20	21	23	23	29	27	28	56
71	66	31	27	27	22	27	23	25	31	34	41	77
46	46	41	37	41	40	42	73	70	72	75	79	69
71	68	67	58	57	71	62	62	73	77	79	85	76
60	54	51	48	50	68	70	77	72	79	82	87	76
72	68	63	62	62	65	65	68	70	75	75	76	76
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
.383	.389	.405	.400	.404	.379	.373	.368	.338	.353	.302	.294	.374
.327	.349	.359	.357	.369	.392	.391	.380	.370	.368	.359	.312	.328
.354	.365	.357	.379	.389	.415	.405	.386	.383	.382	.375	.365	.339
—	—	—	—	—	—	—	—	—	—	—	—	.358
.387	.376	.384	.357	.350	.361	.354	.345	.321	.322	.275	.273	.223
.194	.198	.185	.208	.227	.214	.219	.202	.201	.209	.207	.205	.234
.246	.239	.235	.255	.281	.276	.264	.263	.269	.263	.268	.260	.313
.331	.342	.342	.360	.366	.358	.350	.348	.344	.340	.327	.324	.334
.328	.357	.362	.366	.372	.370	.377	.374	.346	.341	.330	.333	.348
.343	.359	.374	.390	.395	.407	.369	.362	.357	.348	.348	.348	.437
—	—	—	—	—	—	—	—	—	—	—	—	.460
.436	.462	.473	.488	.464	.478	.513	.496	.504	.509	.514	.460	.299
.261	.242	.256	.250	.290	.246	.231	.235	.228	.237	.230	.233	.265
.247	.274	.280	.278	.293	.303	.325	.313	.307	.307	.296	.311	.286
.273	.274	.270	.240	.254	.258	.328	.312	.303	.310	.306	.313	.250
.235	.245	.238	.225	.217	.234	.207	.220	.212	.217	.216	.239	.262
.304	.279	.267	.258	.243	.241	.246	.259	.248	.266	.270	.267	.253
—	—	—	—	—	—	—	—	—	—	—	—	.254
.284	.285	.309	.319	.327	.296	.281	.288	.276	.277	.255	.249	.303
.253	.250	.249	.300	—	.311	.312	.285	.288	.290	.297	.278	.314
.302	.333	.334	.350	.336	.352	.350	.340	.356	.355	.352	.346	.258
.326	.318	.338	.351	.327	.338	.319	.341	.305	.303	.322	.297	.243
.227	.245	.246	.241	.257	.284	.294	.287	.263	.259	.265	.258	.300
.217	.237	.234	.255	.276	.266	.276	.291	.267	.269	.228	.232	.296
—	—	—	—	—	—	—	—	—	—	—	—	.349
.328	.328	.346	.335	.343	.366	.303	.318	.313	.301	.300	.308	.356
.319	.313	.345	.304	.275	.266	.283	.303	.271	.311	.263	.262	.359
.462	.503	.339	.348	.340	.292	.344	.310	.308	.334	.344	.367	.313
.332	.332	.343	.330	.349	.322	.334	.411	.383	.357	.339	.337	—
.364	.370	.333	.356	.380	.390	.383	.383	.353	.350	.334	.347	—
.296	.308	.304	.300	.302	.361	.351	.387	.362	.386	.384	.394	—
.306	.317	.317	.318	.324	.325	.325	.326	.314	.317	.307	.304	.306

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 Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. NOVEMBER.	1	91	93	92	—	—	—	—	—	—	—	—	
	2	—	—	—	88	86	91	91	91	81	74	64	63
	3	77	72	73	77	76	77	77	74	71	69	61	62
	4	67	72	71	72	—	75	79	83	81	81	71	64
	5	84	90	91	90	87	87	85	87	86	87	82	65
	6	86	91	92	93	99	100	99	99	—	91	91	95
	7	74	74	74	77	79	79	82	83	84	91	82	87
	8	65	72	74	—	—	—	—	—	—	—	—	—
	9	—	—	—	86	88	90	91	99	82	87	82	73
	10	69	77	78	80	82	81	86	87	—	78	71	63
	11	57	63	62	65	67	74	73	73	—	71	67	64
	12	68	68	68	67	71	74	76	77	77	80	76	73
	13	67	68	71	69	69	69	72	71	75	76	67	61
	14	84	86	85	85	88	91	—	—	90	90	98	98
	15	77	82	84	—	—	—	—	—	—	—	—	—
	16	—	—	—	88	90	90	91	91	96	92	82	72
	17	80	81	86	90	93	91	92	92	—	90	80	70
	18	80	87	87	91	91	88	89	88	—	78	68	64
	19	80	80	82	82	85	82	86	87	—	83	70	62
	20	73	72	72	75	76	74	78	83	86	76	71	63
	21	71	72	72	79	83	87	87	87	90	94	94	95
	22	99	98	98	—	—	—	—	—	—	—	—	—
	23	—	—	—	86	83	81	78	72	—	71	68	67
	24	96	93	95	97	98	97	97	98	94	91	87	76
	25	89	89	96	97	97	98	96	93	93	86	88	91
	26	81	81	82	82	86	88	88	91	93	90	84	80
	27	87	88	93	93	97	100	98	95	88	82	75	80
	28	82	88	91	93	—	93	94	95	96	95	93	84
	29	75	80	82	—	—	—	—	—	—	—	—	—
	30	—	—	—	89	91	—	—	—	—	—	—	—
	Hourly Means	75	78	79	80	85	86	86	87	86	83	78	74
Tension of the Vapour. NOVEMBER.	1	In. ·395	In. ·397	In. ·389	In. —	In. —	In. —	In. —	In. —	In. —	In. —	In. —	
	2	—	—	—	·309	·305	·312	·306	·304	·284	·269	·246	·236
	3	·230	·220	·222	·225	·238	·237	·243	·242	·240	·238	·237	·258
	4	·249	·253	·249	·253	—	·264	·270	·286	·286	·307	·301	·303
	5	·356	·354	·348	·334	·318	·315	·304	·308	·316	·328	·336	·338
	6	·415	·421	·418	·413	·420	·413	·397	·397	—	·337	·312	·324
	7	·217	·217	·217	·227	·225	·230	·235	·241	·252	·312	·305	·320
	8	·235	·251	·256	—	—	—	—	—	—	—	—	—
	9	—	—	—	·317	·320	·314	·306	·325	·301	·320	·331	·333
	10	·332	·354	·352	·351	·351	·333	·340	·338	—	·352	·373	·363
	11	·225	·232	·226	·231	·238	·244	·239	·239	—	·262	·264	·265
	12	·238	·234	·231	·226	·236	·241	·242	·238	·242	·252	·254	·267
	13	·279	·270	·276	·264	·267	·262	·265	·257	·274	·288	·304	·311
	14	353	·352	·347	·344	·349	·354	—	—	·343	·354	·352	·355
	15	·294	·306	·304	—	—	—	—	—	—	—	—	—
	16	—	—	—	·260	·259	·254	·250	·250	·253	·272	·285	·290
	17	·330	·325	·339	·330	·330	·315	·306	·306	—	·334	·341	·354
	18	·345	·345	·343	·349	·363	·361	·375	·374	—	·370	·361	·368
	19	·392	·385	·380	·369	·359	·340	·339	·332	—	·363	·362	·367
	20	·446	·428	·409	·413	·400	·382	·385	·393	·402	·411	·430	·438
	21	·439	·432	·424	·440	·449	·457	·457	·464	·480	·503	·498	·505
	22	·491	·488	·495	—	—	—	—	—	—	—	—	—
	23	—	—	—	·344	·351	·342	·317	·279	—	·305	·320	·322
	24	·353	·342	·335	·336	·329	·323	·315	·313	·325	·340	·361	·330
	25	·376	·375	·392	·393	·393	·397	·388	·377	·374	·364	·364	·398
	26	·316	·316	·325	·325	·331	·343	·337	·343	·353	·354	·373	·385
	27	·401	·403	·410	·387	·391	·397	·393	·383	·367	·371	·385	·409
	28	·499	·521	·519	·494	—	·473	·475	·478	·478	·485	·477	·472
	29 ^a	·359	·369	·371	—	—	—	—	—	—	—	—	—
	30	—	—	—	·386	·388	^b —	—	—	—	—	—	—
	Hourly Means	·343	·344	·343	·333	·331	·329	·325	·325	·328	·337	·340	·346

^a Not included in the Daily Means.^b Wet bulb thermometer broken by accident.

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.
21	22	23	0	1	2	3	4	5	6	7	8	
—	—	—	—	—	—	—	—	—	—	—	—	} 70
55	56	57	60	53	48	50	49	51	55	76	70	
52	58	63	53	43	62	44	49	47	53	59	64	} 63
54	54	49	46	40	37	55	59	53	62	74	79	
57	51	42	40	54	52	54	54	59	67	70	69	} 70
88	84	73	78	78	78	62	54	73	73	62	70	
75	65	66	66	62	65	62	61	61	64	67	65	} 73
—	—	—	—	—	—	—	—	—	—	—	—	
72	61	57	65	61	50	61	64	58	63	61	61	} 72
42	42	42	42	42	46	38	34	40	43	53	52	
54	52	41	42	48	40	45	50	53	63	74	75	} 60
65	61	56	49	46	46	42	48	52	63	67	67	
57	56	60	54	61	61	66	63	73	79	79	83	} 68
88	93	86	81	76	71	69	69	75	75	75	79	
—	—	—	—	—	—	—	—	—	—	—	—	} 74
64	61	52	52	57	57	57	59	64	67	72	74	
69	61	59	65	66	58	57	57	58	61	78	77	} 74
57	54	50	48	51	52	52	53	56	64	72	78	
55	52	49	46	51	49	52	50	54	60	67	71	} 67
57	53	51	46	42	38	48	44	50	59	62	64	
98	97	98	97	96	94	93	88	85	92	94	98	} 89
—	—	—	—	—	—	—	—	—	—	—	—	
66	64	59	56	54	52	51	68	79	85	90	90	} 75
77	86	86	86	86	91	86	87	87	86	88	88	
89	89	84	67	75	74	72	73	74	76	78	79	} 85
74	77	77	71	73	71	72	71	77	82	87	87	
61	51	51	49	46	60	65	65	66	78	80	81	} 76
73	64	73	80	79	64	89	88	80	81	75	77	
—	—	—	—	—	—	—	—	—	—	—	—	} 72
—	73	71	65	57	56	62	58	64	67	79	80	
67	65	62	60	60	59	60	61	64	69	74	75	73
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
·227	·240	·226	·242	·228	·214	·230	·218	·206	·198	·236	·208	} ·268
·253	·266	·305	·279	·242	·319	·254	·260	·234	·229	·237	·244	
·291	·305	·308	·312	·301	·315	·326	·356	·303	·329	·360	·360	} ·299
·343	·371	·328	·334	·341	·371	·392	·369	·410	·401	·396	·386	
·309	·315	·298	·311	·355	·294	·251	·208	·239	·240	·194	·211	} ·326
·317	·285	·290	·317	·287	·305	·304	·289	·285	·263	·259	·247	
—	—	—	—	—	—	—	—	—	—	—	—	} ·332
·354	·382	·341	·364	·415	·357	·390	·387	·380	·360	·325	·313	
·303	·305	·321	·320	·318	·293	·236	·209	·232	·218	·232	·217	} ·306
·250	·260	·221	·233	·255	·231	·255	·260	·259	·262	·275	·264	
·269	·271	·261	·240	·245	·243	·233	·277	·281	·295	·300	·288	} ·254
·318	·331	·343	·341	·392	·395	·390	·354	·347	·355	·340	·351	
·328	·333	·334	·328	·320	·312	·302	·293	·297	·290	·284	·299	} ·328
—	—	—	—	—	—	—	—	—	—	—	—	
·310	·305	·294	·314	·340	·361	·355	·355	·363	·343	·338	·330	} ·303
·359	·356	·375	·392	·401	·378	·368	·359	·332	·312	·380	·350	
·359	·367	·369	·387	·414	·427	·430	·439	·424	·412	·406	·401	} ·382
·366	·378	·396	·403	·439	·452	·498	·472	·470	·465	·458	·441	
·420	·436	·456	·446	·441	·440	·525	·451	·474	·475	·446	·428	} ·432
·508	·519	·526	·540	·534	·535	·550	·560	·538	·522	·503	·494	
—	—	—	—	—	—	—	—	—	—	—	—	} ·495
·353	·356	·339	·333	·322	·326	·312	·347	·359	·351	·357	·351	
·341	·358	·372	·372	·382	·389	·382	·384	·387	·372	·377	·374	} ·354
·394	·416	·382	·364	·365	·359	·354	·356	·336	·318	·314	·310	
·389	·417	·437	·429	·440	·439	·409	·425	·409	·407	·411	·401	} ·380
·384	·372	·402	·431	·451	·515	·501	·530	·516	·514	·515	·504	
·448	·430	·401	·473	·439	·356	·431	·459	·464	·440	·379	·371	} ·455
—	—	—	—	—	—	—	—	—	—	—	—	
—	·484	·517	·528	·582	·510	·541	·519	·526	·512	·532	·515	} —
·341	·354	·354	·361	·366	·365	·369	·365	·362	·355	·354	·346	

HUMIDITY OF THE AIR, AND TENSION OF THE ATMOSPHERIC VAPOUR.													
Hours of Mean Gottingen Time.	0	1	2	3	4	5	6	7	8	9	10	11	
Hours of Mean Van Diemen Island Time.	9	10	11	12	13	14	15	16	17	18	19	20	
Humidity of the Air. DECEMBER.	1	67	73	77	78	78	79	77	78	69	66	67	66
	2	64	67	70	71	72	74	75	74	73	69	67	63
	3	67	77	77	82	84	90	90	94	90	83	77	72
	4	83	91	94	91	89	88	87	79	76	72	72	70
	5	75	60	60	59	50	55	59	64	66	63	60	56
	6	62	61	65	—	—	—	—	—	—	—	—	—
	7	—	—	—	92	93	100	100	100	—	93	81	66
	8	54	63	65	62	66	59	63	63	69	63	62	58
	9	70	70	72	77	82	80	79	79	—	77	74	60
	10	73	73	73	78	81	84	83	83	83	78	69	60
	11	88	92	94	93	94	93	94	96	96	85	79	75
	12	79	81	81	81	85	86	86	91	91	87	80	75
	13	82	85	82	—	—	—	—	—	—	—	—	—
	14	—	—	—	77	74	74	83	89	87	88	77	71
	15	77	79	84	84	—	—	—	96	94	83	72	64
	16	86	88	90	90	90	—	92	94	96	89	87	76
	17	83	82	81	83	83	86	88	88	—	86	70	69
	18	67	69	69	69	72	80	73	78	73	81	75	59
	19	81	84	84	88	86	91	90	90	92	88	82	77
	20	89	67	66	—	—	—	—	—	—	—	—	—
	21	—	—	—	82	84	88	86	78	75	72	65	56
	22	50	55	59	57	60	61	63	62	68	64	62	55
	23	75	78	79	82	80	75	76	78	83	79	73	62
	24	60	67	70	—	—	—	—	—	—	—	—	—
	25	—	—	—	62	62	62	59	55	62	61	57	54
	26	72	75	75	76	—	81	79	82	81	80	68	64
	27	58	59	67	—	—	—	—	—	—	—	—	—
	28	—	—	—	57	57	61	66	69	72	71	61	54
	29	68	68	69	72	80	91	—	—	84	84	80	75
	30	56	60	64	64	69	79	88	87	84	77	66	64
	31	56	75	77	83	84	82	82	84	86	92	81	68
	Hourly Means	71	73	75	77	77	79	80	81	80	78	72	65
Tension of the Vapour. DECEMBER.	1	In. .432	In. .456	In. .460	In. .459	In. .454	In. .454	In. .436	In. .426	In. .387	In. .363	In. .380	In. .381
	2	.297	.304	.319	.327	.326	.329	.322	.323	.326	.340	.356	.357
	3	.357	.380	.364	.366	.364	.370	.353	.358	.368	.392	.389	.411
	4	.449	.467	.467	.448	.441	.435	.428	.402	.391	.387	.392	.402
	5	.451	.427	.430	.424	.361	.379	.369	.372	.377	.376	.389	.352
	6	.340	.325	.335	—	—	—	—	—	—	—	—	—
	7	—	—	—	.570	.569	.572	.561	.561	—	.509	.521	.513
	8	.252	.282	.282	.267	.279	.239	.255	.252	.278	.279	.296	.294
	9	.262	.244	.239	.251	.263	.253	.248	.245	—	.278	.296	.276
	10	.281	.278	.276	.281	.279	.278	.273	.276	.280	.292	.294	.310
	11	.391	.403	.408	.390	.392	.387	.386	.392	.398	.368	.359	.362
	12	.346	.351	.351	.345	.358	.358	.346	.344	.363	.358	.365	.375
	13	.353	.361	.353	—	—	—	—	—	—	—	—	—
	14	—	—	—	.333	.320	.320	.346	.361	.358	.371	.367	.355
	15	.333	.319	.320	.313	—	—	—	.313	.319	.326	.326	.348
	16	.397	.383	.392	.384	.366	—	.367	.366	.379	.391	.412	.409
	17	.392	.390	.388	.402	.399	.392	.390	.387	—	.418	.386	.401
	18	.333	.321	.291	.273	.281	.296	.272	.273	.289	.334	.335	.286
	19	.379	.385	.385	.388	.384	.396	.392	.386	.405	.406	.400	.405
	20	.423	.333	.315	—	—	—	—	—	—	—	—	—
	21	—	—	—	.358	.356	.363	.361	.334	.335	.338	.336	.314
	22	.227	.230	.247	.237	.242	.246	.250	.238	.263	.272	.292	.292
	23	.346	.352	.343	.321	.293	.275	.276	.279	.298	.315	.308	.295
	24	.274	.308	.315	—	—	—	—	—	—	—	—	—
	25	—	—	—	.267	.263	.267	.250	.221	.248	.274	.278	.287
	26	.339	.342	.338	.335	—	.356	.346	.362	.352	.353	.348	.349
	27	.326	.306	.329	—	—	—	—	—	—	—	—	—
	28	—	—	—	.397	.392	.386	.378	.369	.343	.351	.322	.308
	29	.260	.259	.262	.270	.285	.310	—	—	.285	.293	.302	.297
	30	.298	.310	.318	.318	.346	.382	.397	.400	.394	.381	.363	.379
	31	.334	.391	.398	.381	.384	.370	.362	.378	.396	.443	.458	.485
	Hourly Means	.341	.343	.343	.350	.350	.350	.348	.345	.345	.354	.357	.355

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.
21	22	23	0	1	2	3	4	5	6	7	8	
67	66	58	53	51	46	50	49	50	58	60	62	64
60	60	61	61	66	67	65	67	63	62	66	66	67
65	55	62	72	75	71	74	72	71	69	70	78	76
66	—	61	58	66	69	64	72	80	76	82	79	77
49	50	47	41	44	42	44	48	52	47	51	54	54
—	—	—	—	—	—	—	—	—	—	—	—	67
65	46	43	35	36	36	37	38	37	48	49	51	58
53	55	59	49	43	46	55	44	54	68	57	67	69
63	63	75	69	71	75	63	64	55	52	62	66	73
63	63	63	59	61	61	62	—	69	88	88	88	81
63	63	65	76	71	75	73	75	73	77	79	80	81
72	68	67	67	69	67	67	74	76	79	82	84	78
—	—	—	—	—	—	—	—	—	—	—	—	71
67	57	58	60	57	57	56	57	58	63	73	80	76
53	47	55	51	48	61	64	67	66	76	80	83	74
66	61	59	58	66	62	66	67	69	74	77	78	65
67	52	41	37	40	53	54	55	48	43	45	54	68
59	59	55	56	63	60	65	65	67	73	72	75	83
75	73	73	75	76	88	85	83	85	86	86	89	59
—	—	—	—	—	—	—	—	—	—	—	—	59
56	47	44	42	34	33	29	33	36	43	48	53	59
46	46	46	53	51	64	65	62	67	67	69	75	65
61	57	59	58	50	41	49	45	43	57	60	57	54
—	—	—	—	—	—	—	—	—	—	—	—	61
33	47	43	39	39	38	34	44	53	66	66	71	61
54	41	47	45	46	47	42	43	48	50	54	52	61
—	—	—	—	—	—	—	—	—	—	—	—	61
53	64	66	61	67	61	51	57	55	56	60	67	64
71	60	56	54	48	44	42	43	48	50	52	58	57
55	55	47	39	38	38	37	30	35	40	46	51	61
48	45	40	—	36	35	39	44	40	40	44	43	67
60	56	56	55	54	55	55	57	58	62	65	68	67
In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
.396	.407	.405	.389	.402	.358	.382	.358	.356	.344	.313	.292	.395
.356	.390	.391	.393	.428	.433	.438	.447	.422	.402	.393	.379	.367
.403	.394	.416	.491	.524	.475	.471	.463	.484	.441	.419	.438	.412
.408	—	.401	.393	.457	.484	.460	.486	.515	.488	.507	.466	.442
.351	.384	.398	.366	.407	.378	.355	.374	.401	.337	.333	.318	.379
—	—	—	—	—	—	—	—	—	—	—	—	.397
.509	.351	.322	.275	.282	.294	.308	.303	.282	.303	.270	.253	.284
.291	.296	.338	.295	.284	.295	.326	.279	.312	.343	.245	.261	.293
.298	.294	.365	.366	.337	.370	.344	.336	.328	.272	.280	.278	.323
.318	.330	.363	.353	.352	.350	.353	—	.385	.416	.404	.403	.374
.351	.351	.361	.388	.383	.381	.382	.360	.341	.350	.348	.344	.365
.377	.382	.378	.385	.388	.378	.371	.379	.367	.358	.366	.363	.357
—	—	—	—	—	—	—	—	—	—	—	—	.362
.363	.341	.345	.371	.366	.369	.364	.361	.348	.353	.369	.370	.391
.332	.338	.359	.410	.360	.430	.429	.423	.405	.409	.405	.397	.369
.392	.415	.410	.407	.437	.383	.408	.396	.374	.373	.372	.368	.321
.400	.348	.322	.314	.340	.424	.366	.394	.371	.304	.279	.284	.413
.307	.317	.327	.336	.344	.349	.338	.350	.361	.369	.358	.370	.313
.431	.422	.426	.416	.426	.492	.446	.443	.441	.434	.415	.417	.286
—	—	—	—	—	—	—	—	—	—	—	—	.311
.335	.336	.351	.322	.263	.267	.235	.248	.237	.249	.250	.251	.294
.268	.261	.285	.310	.296	.333	.350	.341	.340	.341	.349	.352	.351
.314	.301	.332	.344	.310	.287	.342	.335	.305	.318	.303	.278	.322
—	—	—	—	—	—	—	—	—	—	—	—	.317
.228	.297	.289	.294	.302	.315	.306	.359	.350	.363	.340	.353	.352
.356	.251	.354	.357	.378	.398	.377	.367	.379	.377	.359	.312	.388
—	—	—	—	—	—	—	—	—	—	—	—	.354
.307	.305	.306	.314	.341	.285	.285	.287	.292	.262	.261	.266	.317
.368	.394	.366	.312	.338	.348	.354	.305	.331	.335	.348	.341	.352
.368	.394	.369	.315	.341	.351	.357	.308	.334	.338	.351	.344	.388
.473	.477	.457	—	.372	.353	.392	.398	.356	.299	.296	.267	
.357	.350	.363	.357	.364	.368	.367	.364	.363	.353	.343	.337	

VAN DIEMEN ISLAND, 1845.

METEOROLOGICAL JOURNAL.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
JANUARY.								
D.	H.					In.		
1	3	75°0	42°0	°	°		0°00	
1	9	62°5	42°0	76°0	51°5		0°62	Clear and fine; gloomy from 15 ^h .
1	15	53°7	43°0			0°75		
1	21	62°2	45°5			0°75		
2	3	72°7	49°0	72°5	52°0		0°25	Clear and fine throughout.
2	9	58°3	48°8			0°50		
2	15	57°4	47°5			0°50		
2	21	67°0	42°0	82°0	53°5		0°50	Overcast at 3 ^h ; fine from 9 ^h .
3	3	80°8	40°5			0°75		
3	9	63°2	45°5			0°38		
3	15	58°0	44°0	—	—		0°50	Fine and clear.
3	21	56°0	34°5			0°0		
4	3	71°0	31°6			0°0		
4	9	58°0	36°0				0°0	
Sunday 21								
5	15	50°8	48°5	74°0	50°0		0°0	Clear and fine throughout.
5	21	63°8	53°2			0°0		
6	3	72°4	57°5	72°3	56°0		0°0	Clear and fine at 3 ^h ; gloomy, heavy rain at 21 ^h .
6	9	60°4	56°0			0°75		
6	15	—	—			0°75		
6	21	67°3	47°0	87°8	61°2		1°0	Overcast at 3 ^h ; clear and fine from 9 ^h , with a fresh N.W. gale.
7	3	69°0	57°0			1°0		
7	9	62°0	60°5			0°38		
7	15	65°3	59°0	82°5	60°4		0°50	Overcast, with a strong N.W. gale; fine at 21 ^h .
7	21	71°5	55°0			0°25		
8	3	81°3	46°8			0°75		
8	9	65°7	50°7	73°5	53°4 ^a		0°75	Light cum. dispersed; fine.
8	15	61°6	47°0			0°88		
8	21	65°5	49°0			0°50		
9	3	71°0	37°0	77°0	51°7		0°50	Clear and fine; hot, oppressive, and hazy.
9	9	57°0	38°0			0°62		
9	15	53°5	42°0			0°50		
9	21	64°6	40°5	—	—		0°13	Clear and fine.
10	3	76°0	48°0			0°0		
10	9	59°0	51°0			0°0		
10	15	52°0	48°6	79°0	57°7		0°0	Dense haze; sultry, close, and oppressive.
10	21	68°8	51°7			0°0		
11	3	75°6	58°2			0°0		
11	9	58°7	55°6				0°0	
Sunday 21								
12	15	59°0	61°0	90°8	64°8		0°0	Clear and fine until 9 ^h ; overcast, hot, and oppressive.
12	21	76°8	51°0			0°0		
13	3	82°4	68°0	91°0	58°0 ^a		0°0	Overcast and gloomy; fine at 15 ^h , with a fresh sea breeze.
13	9	68°4	66°0			0°0		
13	15	—	—			1°0		
13	21	80°2	66°5	74°8	55°6		1°0	Clear and cloudless at 3 ^h ; heavy rain, with occasional thunder, from 21 ^h .
14	3	71°9	51°0			1°0		
14	9	61°2	43°8			0°75		
14	15	58°5	45°5	74°8	47°7		0°38	Clear and fine the greater part of the day.
14	21	64°2	46°0			0°38		
15	3	73°0	56°5			0°0		
15	9	63°0	53°0	79°0	56°5		0°88	Overcast; strong N.W. wind in passing squalls.
15	15	56°5	54°0			1°0		
15	21	68°8	54°0			1°0		
16	3	58°2	52°5	74°8	47°7		0°0	Clear and fine the greater part of the day.
16	9	52°5	54°0			0°13		
16	15	49°2	43°7			0°50		
16	21	60°3	45°0	79°0	56°5		0°50	Overcast; strong N.W. wind in passing squalls.
17	3	72°2	51°8			1°0		
17	9	65°3	53°5			0°75		
17	15	60°4	54°0				1°0	
17	21	65°0	53°0				0°50	

^a Lowest hourly reading of the Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
JANUARY.								
D.	H.	°	°	°	°	In.		
18	3	68·6	46·5	}	—		0·38	} Fine.
18	9	56·5	42·2				0·25	
Sunday 21								
19	15	47·3	39·0	}	75·2	}	0·25	} Clear and fine.
19	21	57·8	39·5				0·13	
20	3	64·6	45·6	}	67·0	}	1·0	} Overcast and gloomy at 31 ^h ; clear and fine, fresh sea breeze.
20	9	55·7	48·6				0·25	
20	15	54·8	47·0				0·0	
20	21	62·8	48·2				0·0	
21	3	65·8	53·0	}	69·0	}	0·0	} Fine, with much haze; fresh S.S.E. breeze.
21	9	56·4	54·0				0·50	
21	15	50·0	52·0				0·0	
21	21	64·2	52·4				0·50	
22	3	71·5	59·5	}	73·3	}	0·0	} Thick haze, sultry and oppressive.
22	9	60·3	54·6				0·50	
22	15	55·0	57·0				0·62	
22	21	70·2	48·7				0·62	
23	3	74·4	61·2	}	83·8	}	0·13	} Fine, but hazy; distant thunder, and smoky sultry haze.
23	9	64·2	59·0				0·38	
23	15	58·1	57·0				0·0	
23	21	70·3	59·0				0·75	
24	3	75·2	60·5	}	79·3	}	1·0	} Heavy thunder storm, with vivid forked lightning and heavy rain.
24	9	68·0	64·0				1·0	
24	15	65·0	67·0				0·75	
24	21	62·7	64·0				1·0	
25	3	66·0	65·0	}	—	}	0·0	} Clear and fine.
25	9	58·0	58·0				0·0	
Sunday 21								
26	15	48·4	47·0	}	73·0	}	0·0	} Clear and fine; fresh sea breeze.
26	21	63·0	56·0				0·0	
27	3	67·4	54·5	}	69·2	}	0·38	} Sea breeze, with haze.
27	9	57·8	52·8				0·88	
27	15	53·0	53·0				0·50	
27	21	64·2	53·5				0·0	
28	3	70·0	54·0	}	74·8	}	0·0	} Generally clear and fine; occasionally overcast.
28	9	59·8	53·0				0·13	
28	15	53·0	50·0				1·0	
28	21	61·7	56·5				1·0	
29	3	68·2	53·2	}	71·5	}	1·0	} Overcast and gloomy; nimbi.
29	9	59·3	52·7				1·0	
29	15	58·4	54·0				1·0	
29	21	60·0	52·0				1·0	
30	3	62·9	55·0	}	66·2	}	1·0	} Overcast, with occasional light misty rain.
30	9	56·8	52·6				1·0	
30	15	56·0	55·5				0·50	
30	21	61·2	54·5				1·0	
31	3	71·0	63·0	}	73·2	}	0·75	} Generally overcast, with dark squally cumuli.
31	9	63·5	63·5				0·75	
31	15	58·6	46·2				0·50	
31	21	58·3	39·5				0·50	
FEBRUARY.								
1	3	67·4	38·5	}	—	}	0·0	} Overcast.
1	9	54·4	39·0				1·0	
Sunday 21								
2	15	49·5	46·0	}	71·2	}	1·0	} Gloomy and overcast.
2	21	58·3	46·7				1·0	
3	3	67·5	52·0	}	69·0	}	1·0	} Overcast.
3	9	57·0	53·5				1·0	
3	15	56·6	47·9				0·50	
3	21	64·0	53·0				0·62	
4	3	71·6	50·2	}	54·8	}	0·50	} Fine, sultry, and close, with a light east wind.
4	9	60·7	52·2				0·50	
4	15	56·2	51·0				0·50	
4	21	65·5	54·0				0·13	

^a Lowest hourly reading of the Standard Thermometer

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
FEBRUARY.						In.		
D.	H.			°	°			
5	3	77·8	61·5	81·0	57·7		0·0	Cloudless and fine; sultry and oppressive; overcast from 21 ^h .
5	9	63·5	60·8					
5	15	58·0	58·0					
5	21	72·8	63·0					
6	3	77·5	66·0	83·5	63·2	0·14	1·0	Strong N.W. wind, with heavy showers.
6	9	67·0	67·0					
6	15	64·0	62·2					
6	21	66·0	66·0					
7	3	76·7	60·9	80·2	56·0		0·0	Cloudless until 15 ^h , with a fresh N.W. gale.
7	9	63·8	46·8					
7	15	57·8	45·0					
7	21	64·8	44·0					
8	3	71·2	39·0	—	—		1·0	
8	9	56·5	50·5					
Sunday 21								
9	15	50·8	47·8	76·0	50·8 ^a	0·09	1·0	Thick, with continued rain; a fresh S.E. gale.
9	21	55·0	45·0					
10	3	56·1	48·5	62·0	49·7	1·39	1·0	S.E. gale continued, with rain.
10	9	54·0	45·4					
10	15	52·5	47·5					
10	21	50·8	49·0					
11	3	53·3	52·2	63·0	50·5		1·0	Gloomy and overcast until 15 ^h ; heavy cum., with strong S. wind.
11	9	54·8	51·0					
11	15	54·0	51·5					
11	21	61·5	53·0					
12	3	62·5	52·0	67·0	51·5		0·88	Overcast, with a moderate S.E. wind.
12	9	56·5	51·0					
12	15	52·7	45·0					
12	21	58·2	46·0					
13	3	65·8	49·1	67·5	50·0 ^a	0·02	0·0	Cloudless at 3 ^h ; overcast, with showers; nearly calm.
13	9	54·7	51·8					
13	15	51·0	49·5					
13	21	57·5	53·0					
14	3	65·8	54·5	74·3	48·8		0·38	Fine; overcast at 9 ^h , with squalls.
14	9	56·5	46·2					
14	15	50·0	43·0					
14	21	60·7	42·4					
15	3	67·0	46·5	—	—		0·50	Partially overcast.
15	9	57·0	46·0					
Sunday 21								
16	15	54·8	40·0	71·8	53·5		0·38	Fine, occasional squalls, and hazy.
16	21	60·4	40·2					
17	3	66·3	51·2	71·8	50·5 ^a		0·0	Cloudless and fine at 3 ^h ; overcast, with a dense haze from 21 ^h .
17	9	55·2	51·5					
17	15	50·5	49·5					
17	21	63·3	51·2					
18	3	69·4	51·6	82·7	52·7		1·0	Dark and gloomy, with drizzling rain; moderate S.E. wind.
18	9	61·7	57·2					
18	15	54·5	54·0					
18	21	55·9	51·5					
19	3	58·5	53·0	64·0	54·4 ^a		1·0	Gloomy and overcast.
19	9	56·0	52·5					
19	15	54·8	52·5					
19	21	60·5	52·5					
20	3	65·5	61·0	67·5	54·2		0·50	Heavy rain, with thunder and squalls.
20	9	63·0	60·0					
20	15	60·7	60·3					
20	21	58·2	56·0					
21	3	61·0	56·0	67·0	55·0		0·62	Squally unsettled weather, with occasional rain.
21	9	55·0	51·5					
21	15	54·0	47·0					
21	21	55·5	54·2					

^a Lowest hourly reading of the Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.	
		Air.	Dew Point.	Max. Therm.	Min. Therm.				
FEBRUARY.									
D.	H.			°	°	In.			
22	3	66°2	57°6				0·62	} Partially clouded.	
22	9	58°0	56°0				0·0		
Sunday 21									
23	15	54·7	53·6	} 68·5	52·0		1·0	} Fine, but occasionally overcast; strong N.W. breeze.	
23	21	58·2	54·2						0·62
24	3	73·0	53·0	} 75·0	54·5		0·38	} Fine and clear; becoming gradually overcast.	
24	9	68·5	52·0						0·25
24	15	57·2	41·6						0·50
24	21	62·5	43·5						1·0
25	3	70·2	44·0	} 74·2	52·4		0·50	} Nearly overcast, with occasional rain.	
25	9	60·1	51·5						0·62
25	15	53·8	51·0						0·88
25	21	60·3	45·8	} 70·0	54·8		0·50	} Fresh N.W. wind throughout.	
26	3	64·8	45·5						0·50
26	9	57·5	43·5	} 74·0	56·3 ^a		0·62	} Wind N.W., with squalls.	
26	15	55·2	46·5						0·75
26	21	60·2	49·0						0·50
27	3	70·6	50·0						0·75
27	9	60·0	47·0	} 75·2	55·6		0·50	} Overcast throughout, with a moderate N.W. wind.	
27	15	56·5	46·4						0·75
27	21	63·5	48·0						0·62
28	3	73·3	—	} 75·2	55·6		1·0	} Overcast throughout, with a moderate N.W. wind.	
28	9	60·8	42·6						1·0
28	15	56·8	51·0			1·0			
28	21	63·3	48·0			1·0			
MARCH.									
1	3	67·0	54·4	} —	—		0·0	} Clear and fine.	
1	9	57·7	53·0						0·0
Sunday 21									
2	15	65·7	33·0	} 78·0	55·0		0·0	} Fine, close, and sultry throughout.	
2	21	76·0	31·5						0·38
3	3	84·6	44·8	} 88·3	54·0		0·0	} Calm and sultry until 15 ^h ; strong gale, hot wind.	
3	9	67·0	53·7						0·0
3	15	—	—						1·0
3	21	73·0	53·5						1·0
4	3	92·3	44·5	} 95·0	59·2		0·0	} Sultry and oppressive; fine, with S. wind.	
4	9	79·6	49·0						0·50
4	15	61·0	51·2						0·75
4	21	61·2	47·5	} 69·0	47·0		0·50	} Fine throughout; overcast at 21 ^h .	
5	3	66·5	34·5						0·50
5	9	50·2	38·0	} 63·2	44·4		0·25	} Clear and fine throughout.	
5	15	47·0	36·2						0·0
5	21	55·0	35·5						1·0
6	3	61·5	36·0	} 67·7	51·6		0·0	} Clear and fine at 3 ^h ; overcast, with haze.	
6	9	50·0	39·0						0·13
6	15	46·0	40·2	} —	—		0·0	} Partially clouded.	
6	21	55·2	39·6						0·0
7	3	64·8	48·0						0·0
7	9	54·0	49·0	} 80·4	54·8		1·0	} Fine and nearly clear.	
7	15	53·2	44·8						1·0
7	21	59·5	48·5	} 71·5	49·8		1·0	} Clear and cloudless; haze latterly.	
8	3	76·0	57·0						0·75
8	9	64·3	60·0						0·62
Sunday 21									
9	15	55·3	41·5	} 80·4	54·8		0·38	} Fine and nearly clear.	
9	21	61·7	41·2						0·25
10	3	68·0	41·0	} 71·5	49·8		0·0	} Clear and cloudless; haze latterly.	
10	9	56·5	41·5						0·0
10	15	51·6	42·2						0·0
10	21	60·5	46·8						0·25

^a Lowest hourly reading of the Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
MARCH.								
D.	H.	°	°	°	°	In.		
11	3	68·2	50·5	70·2	54·0		0·0	Thick haze, with a hot wind, and mild atmosphere.
11	9	56·1	50·5					
11	15	57·0	46·0					
11	21	61·7	48·7					
12	3	86·5	46·0	90·8	50·8	0·27	1·0	Dark and gloomy, with rain and violent squalls.
12	9	64·5	60·0					
12	15	54·0	45·5					
12	21	55·2	47·0					
13	3	63·0	46·5	65·8	53·7		0·38	Squally, clear, and fine,
13	9	56·4	48·0					
13	15	55·2	46·0					
13	21	62·7	49·0					
14	3	76·0	50·0	77·0	55·8		0·0	Cloudy, but fine until 9 ^h ; strong hot wind.
14	9	58·8	54·5					
14	15	56·3	52·6					
14	21	65·0	52·2					
15	3	80·0	45·4	—	—		1·0	Clouded.
15	9	67·0	53·8					
Sunday 21								
16	15	53·7	46·0	81·2	52·0		0·25	Fine; light misty rain subsequently.
16	21	59·5	48·5					
17	3	64·5	50·5	69·5	55·5	0·72	1·0	Continued rain from 3 ^h to 9 ^h ; afterwards clearing.
17	9	58·5	52·5					
17	15	56·0	55·5					
17	21	58·5	58·0					
18	3	64·7	55·4	62·0	57·0	0·16	1·0	Overcast, with light rain occasionally.
18	9	58·1	54·3					
18	15	58·0	56·0					
18	21	57·0	58·0					
19	3	61·0	58·0	63·8	50·0		1·0	Overcast at 3 ^h ; clear and fine at 9 ^h .
19	9	54·6	46·0					
19	15	—	—					
19	21	56·4	46·0					
20	3	62·8	49·2	—	—		0·25	Partially overcast.
20	9	56·4	48·3					
Good Friday 21								
21	15	44·5	39·0	66·0	43·8 ^a		1·0	Fine, with occasional showers.
21	21	50·5	41·0					
22	3	56·4	44·5	—	—		0·0	Fine and clear.
22	9	52·4	50·0					
Sunday 21								
23	15	45·5	43·0	61·2	42·8		0·0	Fine and clear, until 21 ^h .
23	21	54·0	46·5					
24	3	67·1	48·8	69·0	48·5		0·88	Fine throughout, occasionally overcast.
24	9	55·7	46·8					
24	15	49·2	47·2					
24	21	49·2	47·2					
25	3	56·0	46·6	67·5	49·2		0·0	Occasional light rain.
25	9	62·5	50·0					
25	15	55·2	49·0					
25	21	50·0	46·5					
26	3	57·8	50·0	65·0	50·9 ^a		1·0	Fine and clear at 3 ^h ; gloomy, with haze.
26	9	63·0	52·2					
26	15	53·2	53·0					
26	21	51·3	48·4					
27	3	59·0	48·4	72·2	50·2	0·13	0·75	Fine, with occasional light rain in the evening.
27	9	69·2	48·6					
27	15	57·0	55·4					
27	21	54·0	54·0					
28	3	56·2	52·2	65·5	52·3		1·0	A violent N.W. gale.
28	9	64·0	53·5					
28	15	57·0	57·0					
28	21	53·0	49·0					
28	21	57·7	45·5				0·88	

^a Lowest hourly reading of the Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.	TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.	
	Air.	Dew Point.	Max. Therm.	Min. Therm.				
MARCH.								
D. H.					In.			
29 3	61°5	48°0	°	°		1'0	} Overcast.	
29 9	58°0	50°6	—	—		1'0		
Sunday 21								
30 15	52°0	—	71°0	51°8 ^a	0°04	1'0	} Overcast, with light rain and mist.	
30 21	53°5	55°0				0'75		
31 3	57°4	50°5	} 59°7	44°2	0°01	0'13	} Clear at 3 ^h ; overcast and gloomy.	
31 9	53°2	43°0				1'0		
31 15	45°0	44°0	0'75					
31 21	49°7	45°8	1'0					
APRIL.								
1 3	62°0	52°0	} 63°5	50°0	0°16	1'0	} Overcast and gloomy throughout.	
1 9	55°5	52°0				1'0		
1 15	53°2	50°3				1'0		
1 21	58°0	53°2				1'0		
2 3	61°4	56°4	} 64°0	53°8 ^a		0'88		} Gloomy, with a fresh N.W. wind.
2 9	55°2	48°0				0'75		
2 15	54°0	47°0				0'62		
2 21	57°0	44°0				0'50		
3 3	64°0	46°0	} 66°8	53°3	0'25	} Fine, with cum. and cum.-strat.		
3 9	57°0	46°0			1'0			
3 15	56°0	47°5			0'75			
3 21	61°8	49°5			0'62			
4 3	62°5	51°5	} 67°5	54°3	1'0	} Overcast, with rain.		
4 9	54°5	54°0			0'88			
4 15	55°2	44°8			1'0			
4 21	58°8	50°7			0'13			
5 3	51°5	50°8	} —	—	0'13	} Clear and fine.		
5 9	46°7	39°5			0'13			
Sunday 21								
6 15	41°0	41°0	62°3	39°6	0°05	0'0	} Clear and fine, cool and bracing.	
6 21	47°3	43°5				0'0		
7 3	58°0	50°0	} 59°5	44°0		0'0	} Clear and cloudless throughout.	
7 9	49°0	48°0				0'0		
7 15	45°1	44°8	} 72°0	49°0		0'0	} Hazy; a light rain.	
7 21	54°2	46°5				0'0		
8 3	70°8	45°0				0'13		
8 9	56°1	49°6				0'50		
8 15	52°4	47°5	} —	50°6	1'0	} Gloomy and overcast, with occasional misty rain.		
8 21	56°0	48°0			1'0			
9 3	66°6	56°0	} 60°0	50°2	1'0	} Unsettled weather throughout.		
9 9	56°6	53°8			0'88			
9 15	52°0	52°2			0'75			
9 21	53°7	51°5			0'88			
10 3	55°0	51°6	} 60°0	50°2	0'62	} Unsettled, with occasional rain.		
10 9	51°0	43°5			1'0			
10 15	50°5	41°6	} 59°0	48°2 ^a	1'0	} Unsettled, with occasional rain.		
10 21	54°2	47°2			1'0			
11 3	54°3	37°8			1'0			
11 9	49°4	39°8			1'0			
11 15	48°2	43°4	} —	—	0'38	} Clouded.		
11 21	50°0	50°0			0'62			
12 3	53°6	50°0	} —	—	0'88	} Clouded.		
12 9	51°0	48°0			0'88			
Sunday 21								
13 15	55°0	47°5	63°5	48°2	0°05	0'50	} Fine, with a fresh N.W. wind.	
13 21	61°8	49°5				0'75		
14 3	64°7	48°5	} 68°7	55°0	0'50	} Fine; a fresh N.W. gale, with squalls.		
14 9	60°0	42°6			0'0			
14 15	56°2	46°5			0'75			
14 21	60°6	43°5			0'38			

^a Lowest hourly reading of the Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
APRIL.								
D.	H.			°	°	In.		
15	3	65°4	44°5	} 66°8	} 52°6	0°25	} Clear fine weather throughout.	
15	9	57°6	43°0			0°0		
15	15	55°0	50°0			0°0		
15	21	58°8	50°0	} 66°0	} 50°0	0°0	} Cloudless and clear from 4 ^h .	
16	3	63°6	52°5			1°0		
16	9	54°5	53°0			0°0		
16	15	51°6	50°0	} 72°0	} 51°6	0°0	} Hazy, with a hot wind.	
16	21	56°0	50°0			0°0		
17	3	71°3	51°4			0°88		
17	9	53°9	49°2	} 78°5	} 58°5	0°0	} A violent N.W. gale, with hot wind; dark and gloomy.	
17	15	55°0	47°0			0°62		
17	21	56°0	49°5			0°38		
18	3	76°2	49°5	} —	} —	0°75	} Fine.	
18	9	70°6	50°5			1°0		
18	15	64°2	54°0			1°0		
18	21	62°2	55°5	} —	} —	1°0	} Fine.	
19	3	62°0	45°5			0°0		
19	9	55°0	40°5			0°13		
Sunday 21								
20	15	47°8	45°5	} 66°3	} 46°0	0°62	} Clear and fine throughout.	
20	21	53°9	46°7			0°25		
21	3	59°4	52°5			0°13		
21	9	51°4	40°2	} 66°4	} 47°4	1°0	} Fine at 3 ^h ; raw; fog and mist.	
21	15	47°5	36°0			0°88		
21	21	50°4	35°5			0°88		
22	3	54°0	39°8	} 57°2	} 37°0	0°25	} Cloudless and clear throughout.	
22	9	45°5	41°0			0°0		
22	15	39°3	36°1			0°0		
22	21	44°3	39°4	} 58°0	} 41°2	0°0	} Cloudless and clear, with a light haze.	
23	3	55°7	42°4			0°0		
23	9	45°2	41°6			0°0		
23	15	42°4	42°2	} 60°8	} 42°4	0°13	} Overcast, with squalls.	
23	21	47°9	41°8			0°25		
24	3	58°3	48°2			0°50		
24	9	46°5	44°0	} 66°5	} 49°2	0°50	} Fine, with squalls; a fresh N.W. wind.	
24	15	42°7	41°2			1°0		
24	21	48°7	38°5			0°75		
25	3	65°0	35°5	} —	} —	1°0	} Fine.	
25	9	58°0	39°4			0°88		
25	15	56°2	41°6			0°88		
25	21	55°2	40°7	} —	} —	0°25	} Fine.	
26	3	57°0	32°5			0°50		
26	9	49°2	36°2			0°25		
Sunday 21								
27	15	46°5	44°0	} 63°0	} 44°0	0°62	} Clear and fine throughout.	
27	21	51°6	46°5			0°25		
28	3	59°0	43°0			0°0		
28	9	46°2	43°0	} 62°0	} 41°0	0°0	} Clear and fine throughout.	
28	15	41°8	41°2			0°0		
28	21	46°0	42°2			0°0		
29	3	56°5	48°5	} 60°0	} 39°8	0°0	} Clear and fine; overcast at 15 ^h .	
29	9	47°5	47°0			0°0		
29	15	43°5	43°5			1°0		
29	21	45°8	44°0	} 60°6	} 48°4	0°38	} Fine, with occasional rain.	
30	3	57°5	46°5			0°13		
30	9	52°0	46°5			0°50		
30	15	48°5	47°0	} —	} —	0°88	} Fine.	
30	21	50°0	47°8			1°0		
MAY.								
1	3	52°0	Rain	} 57°2	} 45°6	1°0	} Damp and raw, with rain.	
1	9	50°2	Rain			1°0		
1	15	49°8	49°5			1°0		
1	21	50°9	a—			0°62		

* Ether expended.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
MAY.								
D.	H.	°	°	°	°	In.		
2	3	54.5	a —	57.5	46.6 ^b		1.0	Gloomy and overcast.
2	9	50.3	—				1.0	
2	15	46.6	—				1.0	
2	21	50.0	—	—	—		1.0	Fine.
3	3	53.0	—				0.0	
3	9	50.5	—				0.13	
Sunday 21								
4	15	42.8	—	56.2	41.6 ^b		0.88	Damp, with heavy dew.
4	21	45.0	—				0.50	
5	3	56.8	49.0	59.2	41.0	0.02	1.0	Fine, with occasional rain.
5	9	52.0	51.0				0.62	
5	15	50.4	49.5				0.50	
5	21	52.8	50.0	66.0	47.4		0.50	Squally, with light showers.
6	3	62.4	50.0				1.0	
6	9	51.8	46.0				0.75	
6	15	49.0	—	51.0	38.2 ^b	0.05	1.0	Continued heavy rain, with fresh squalls.
6	21	47.8	39.0				0.62	
7	3	48.0	37.0				1.0	
7	9	40.0	36.0	—	—		1.0	Cum., with fine weather.
7	15	39.2	37.5				0.25	
7	21	40.6	39.5	—	—		0.50	Gloomy.
8	3	43.8	36.2				0.75	
8	9	41.7	—	53.8	41.0		0.75	Partially overcast.
8	15	40.5	35.0				1.0	
8	21	43.3	35.0				0.88	
9	3	50.8	—	—	—		0.13	
9	9	47.6	—				0.62	
9	15	47.8	37.0	—	—		0.62	
9	21	48.8	—				0.62	
10	3	52.0	—	61.0	37.6		0.62	Fine, with haze.
10	9	49.5	—				0.50	
Sunday 21								
11	15	48.5	—	63.0	46.2		0.0	Clear at 3 ^h ; overcast at 15 ^h .
11	21	50.3	45.5				0.62	
12	3	60.8	—				1.0	
12	9	53.6	—	62.8	48.2		0.62	Light showers, fine and clear at 3 ^h and 21 ^h .
12	15	49.6	—				0.50	
12	21	52.4	—	57.7	43.7		0.62	Fine and clear until 21 ^h .
13	3	60.5	—				0.38	
13	9	51.0	—	58.8	38.4		0.50	Clear and cloudless throughout.
13	15	49.6	—				0.62	
13	21	49.0	—				0.38	
14	3	55.5	—	54.6	36.3 ^b		0.25	Clear and cloudless throughout.
14	9	50.8	43.8				0.0	
14	15	48.5	43.0	—	—		0.38	Fine, mostly clear.
14	21	48.2	45.5				0.75	
15	3	51.0	—	59.8	38.2		0.0	Fine, with a light haze.
15	9	45.3	39.8				0.0	
15	15	39.0	—				0.0	
15	21	42.2	—	54.0	39.0		0.0	Clear and fine from 9 ^h .
16	3	51.5	—				0.0	
16	9	39.8	—	—	—		0.0	
16	15	36.8	34.0				0.0	
16	21	41.6	—	—	—		0.0	
17	3	55.7	—				0.38	
17	9	42.6	38.0	—	—		0.38	
Sunday 21								
18	15	41.5	36.2	59.8	38.2		0.75	Fine, with a light haze.
18	21	43.0	—				0.75	
19	3	51.5	42.0				0.75	
19	9	42.8	—	54.0	39.0		0.13	Clear and fine from 9 ^h .
19	15	40.6	37.5				0.0	
19	21	42.4	—				0.25	

^a Ether expended.

^b Lowest hourly reading of the Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
MAY.								
D.	H.					In.		
20	3	50°7	43°2	°	°		1°0	
20	9	43°3	44°0	53°8	35°6		1°0	Overcast, but fine.
20	15	43°2	40°0			0°75		
20	21	45°2	—				1°0	
21	3	54°0	—				0°38	
21	9	50°8	—	56°8	43°3 ^a		0°50	Fine, with soft cumuli.
21	15	44°0	39°0			0°38		
21	21	46°0	—				0°50	
22	3	57°0	43°0				0°75	
22	9	52°0	—	60°8	49°0		0°50	Overcast; light rain.
22	15	53°0	46°2			1°0		
22	21	50°8	45°0				1°0	
23	3	56°3	45°2				1°0	
23	9	51°7	51°0	61°2	42°8	0°01	1°0	Overcast; occasional showers.
23	15	53°6	—				0°25	
23	21	60°2	52°0				0°25	
24	3	65°3	47°5				1°0	Overcast.
24	9	51°7	46°0	—	—		1°0	
Sunday 21								
25	15	50°7	51°2	66°5	49°0	0°12	0°50	Rain, with fog; fine from 21 ^h .
25	21	49°4	50°0				0°38	
26	3	56°0	51°0				0°0	
26	9	49°6	49°2	62°0	44°0		0°0	Dense fog.
26	15	45°6	46°0			1°0		
26	21	44°5	—				1°0	
27	3	51°0	49°5				1°0	
27	9	47°8	48°0	52°8	46°0	0°39	0°88	Mist and rain; fine from 21 ^h .
27	15	47°5	48°5				0°50	
27	21	46°4	45°5				0°25	
28	3	53°0	49°0				0°0	
28	9	48°5	42°6	56°0	46°0	0°02	0°0	Squalls and occasional rain.
28	15	46°1	38°4				0°75	
28	21	47°2	—				1°0	
29	3	45°6	41°2				0°0	
29	9	41°7	34°8	44°0	34°3	0°03	0°0	White frost; rain from 21 ^h .
29	15	37°5	34°8				0°75	
29	21	38°2	35°0				1°0	
30	3	48°6	46°0				1°0	
30	9	48°0	—	51°3	37°8	0°05	1°0	Continued light rain, with squalls.
30	15	46°2	44°5				1°0	
30	21	45°8	42°2				1°0	
31	3	46°4	39°8				0°0	Fine.
31	9	43°0	39°0	—	—	0°03	0°0	
Sunday 21								
JUNE.								
1	15	35°6	^b —	50°0	33°7		0°0	Fine, with haze throughout.
1	21	36°7	—			0°13		
2	3	48°4	—				0°38	
2	9	42°2	—	50°4	38°8		1°0	Hazy, with fog; clear and fine from 21 ^h .
2	15	39°5	—			1°0		
2	21	42°6	—				0°13	
3	3	50°2	—				1°0	
3	9	45°4	—	52°5	43°5	0°23	0°88	Rain, with strong N.W. breeze and squalls.
3	15	44°3	—				0°38	
3	21	46°0	—				0°13	
4	3	53°7	—				0°0	
4	9	44°7	—	58°3	36°7	0°26	0°13	Showers at 3 ^h and 21 ^h ; fresh gale in the evening.
4	15	45°0	—				1°0	
4	21	49°3	—				1°0	
5	3	55°8	—				1°0	
5	9	52°0	—	59°8	43°8	0°56	1°0	Fresh gale, with violent squalls and heavy rain.
5	15	45°5	—				0°50	
5	21	45°4	—				0°38	

^a Lowest hourly reading of the Standard Thermometer.^b Ether expended.

Mean Time Van Diemen Island, Astronomical Reckoning.	TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.			
	Air.	Dew Point.	Max. Therm.	Min. Therm.						
JUNE.										
D. H.					In.					
6 3	45°2	a —	°	°		0·75	} Gale moderating; fine at 21 ^h .			
6 9	45°0	—	} 54°0	} 44°6		0·50				
6 15	48°2	—						0·75		
6 21	52°0	—				0·25				
7 3	57°6	—	} —	} —		0·0	} Cloudy.			
7 9	54°7	—							1·0	
Sunday 21										
8 15	53°2	—	} 63°6	} 51°2	0·51	1·0	} N.W. breeze, with passing squalls and showers.			
8 21	53°2	—								0·0
9 3	51°0	—	} 56°0	} 49°5	0·10	0·0	} Fine and clear, with occasional light showers.			
9 9	51°0	—								0·25
9 15	53°6	—								0·62
9 21	54°2	—								0·75
10 3	57°0	—	} 59°2	} 42°3	0·03	0·62	} Fine and clear, with occasional light showers.			
10 9	52°4	—								0·88
10 15	51°4	—								0·62
10 21	47°3	—								0·38
11 3	43°6	—	} 50°8	} 36°6		0·25	} Fine.			
11 9	41°0	—								—
11 15	—	—								0·38
11 21	39°4	—								0·50
12 3	45°8	—	} 49°0	} 35°4 ^b	0·13	0·75	} Gloomy, with occasional rain; clear after 21 ^h .			
12 9	37°5	—								0·75
12 15	36°2	—								1·0
12 21	36°8	—								0·88
13 3	45°4	—	} 47°2	} 39°0		0·38	} Fine, with haze.			
13 9	42°2	—								0·62
13 15	39°1	—								0·88
13 21	40°0	—								0·25
14 3	49°4	—	} —	} —		0·75	} At intervals clear.			
14 9	44°3	—								0·38
Sunday 21										
15 15	39°3	—	} 51°4	} 35°2		0·88	} Gloomy.			
15 21	39°0	—								0·50
16 3	45°6	—	} 47°9	} 33°6		0·75	} Fresh N.W. wind, with passing squalls and showers.			
16 9	44°6	—								0·88
16 15	44°8	—								0·75
16 21	42°0	—								0·75
17 3	42°2	—	} 51°8	} 40°3 ^b	0·49	1·0	} Fresh gale, with violent squalls and continued heavy rain.			
17 9	41°0	—								0·88
17 15	41°2	—								0·75
17 21	42°6	—								0·88
18 3	44°0	—	} 47°0	} 38°2	0·04	0·38	} Rain continues; clearing.			
18 9	41°1	—								0·50
18 15	37°2	—								—
18 21	39°4	—								0·88
19 3	45°4	—	} 48°6	} 36°5		1·0	} Calm and overcast throughout.			
19 9	44°4	—								0·75
19 15	41°2	—								0·75
19 21	41°2	—								0·88
20 3	46°4	—	} 48°8	} 34°0		0·0	} Bright and clear; overcast at 20 ^h .			
20 9	38°6	—								0·13
20 15	34°0	—								0·62
20 21	35°0	—								1·0
21 3	42°5	—	} —	} —		0·88	} Overcast.			
21 9	38°2	—								0·25
Sunday 21										
22 15	40°2	—	} 42°3	} 32°3		0·50	} Fine, with haze; moderate N.W. wind.			
22 21	39°8	—								0·88
23 3	47°9	—	} 49°2	} 36°3		0·25	} Clear and fine, with soft cum. and hazy cir.			
23 9	42°8	—								0·25
23 15	39°2	—								0·25
23 21	38°8	—								0·0

^a Ether expended.

^b Lowest hourly reading of the Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
JUNE.		°	°	°	°	In.		
D.	H.							
24	3	50·0	a —	52·2	33·7	0·50	0·25	Calm and fine, with cum. and cir.
24	9	42·3	—					
24	15	38·4	—					
24	21	36·8	—					
25	3	49·0	—	51·0	35·2 ^b	0·50	1·0	Gloomy and overcast, mist and rain.
25	9	38·3	—					
25	15	35·6	—					
25	21	36·8	—					
26	3	40·8	—	52·0	40·0 ^b	1·33	1·0	A heavy gale, with violent squalls, and continued rain.
26	9	48·2	—					
26	15	48·0	—					
26	21	47·2	—					
27	3	49·0	—	52·8	43·2	0·11	0·13	Rain until 3 ^h ; fine latterly.
27	9	47·1	—					
27	15	44·5	—					
27	21	44·0	—					
28	3	49·2	—	—	—	—	0·88	Overcast.
28	9	47·9	—					
Sunday 21								
29	15	52·2	—	57·8	34·3	0·0	0·50	A fresh N.E. gale.
29	21	53·0	—			0·50		
30	3	58·5	—	61·0	48·8	1·0	1·0	Fresh breeze; occasionally overcast.
30	9	51·8	—					
30	15	49·6	—					
30	21	51·2	—					
JULY.								
1	3	56·2	42·5	58·0	50·4 ^b	0·13	0·75	Fine, with a fresh N.W. wind throughout.
1	9	52·3	43·6					
1	15	52·2	43·0					
1	21	51·0	38·4					
2	3	51·6	37·0	54·6	40·3	0·0	0·13	Cloudless at intervals.
2	9	47·2	40·0					
2	15	43·2	40·6					
2	21	44·8	39·0					
3	3	51·5	38·6	52·8	41·5	0·50	0·75	Fine, with a scotch misty rain.
3	9	42·5	41·2					
3	15	44·4	42·8					
3	21	46·5	41·5					
4	3	53·2	40·5	56·0	45·0	0·25	0·50	Generally fine and clear; cloudy at 9 ^h and 15 ^h .
4	9	46·6	39·0					
4	15	47·4	40·8					
4	21	46·4	34·8					
5	3	47·2	34·8	—	—	—	0·13	Fine.
5	9	41·2	33·0					
Sunday 21								
6	15	38·7	34·3	52·5	36·3	0·02	1·0	Showery and overcast.
6	21	40·8	33·8			0·75		
7	3	47·2	37·2	49·0	42·0 ^b	0·38	0·50	Squally; becoming fine.
7	9	43·6	35·0					
7	15	42·4	33·8					
7	21	46·2	37·6					
8	3	50·6	39·5	54·5	40·8	0·38	0·25	Fine and calm throughout.
8	9	48·4	41·0					
8	15	50·0	44·0					
8	21	50·0	40·5					
9	3	54·2	43·0	57·2	37·8	0·0	0·0	Cloudless and clear throughout.
9	9	45·2	41·2					
9	15	41·2	37·6					
9	21	42·7	39·8					
10	3	49·6	41·5	52·0	34·7	0·0	0·0	Clear, with early fog.
10	9	38·6	36·6					
10	15	36·0	36·0					
10	21	37·0	36·0					

^a Ether expended.^b Lowest hourly reading of the Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max Therm.	Min Therm.			
JULY.						In.		
D.	H.			°	°			
11	3	44.4	38.0				0.0	A white frost; clear and fine.
11	9	36.6	35.5	47.0	31.5		0.13	
11	15	34.0	34.0					
11	21	34.7	31.5				0.0	Overcast and gloomy.
12	3	48.8	40.6	—	—		1.0	
12	9	40.0	38.4					
Sunday 21								
13	15	45.4	46.5	56.0	37.0	0.12	1.0	Overcast and gloomy; an unusually warm wind terminating in rain.
13	21	54.0	—					
14	3	53.8	—			1.0		
14	9	49.4	—	61.6	34.3	0.15	0.38	Rain; overcast and gloomy.
14	15	46.2	47.0					
14	21	44.5	45.0			1.0		
15	3	51.0	50.0	53.5	38.8		0.50	Sky clearing; fine.
15	9	46.8	46.2					
15	15	42.7	41.6			0.25		
15	21	43.5	42.5			0.0	Nearly overcast throughout.	
16	3	54.9	43.8	58.0	41.0			0.75
16	9	45.3	40.2					
16	15	41.0	39.0			0.88	Fine, with cirrous haze.	
16	21	40.6	39.0	48.8	37.7			0.50
17	3	46.6	42.8					
17	9	40.4	41.0			0.25	Fine throughout, with cir.	
17	15	39.5	—	53.5	39.3			0.50
17	21	40.2	38.5					
18	3	51.8	46.2			0.38	Overcast, at intervals clear.	
18	9	43.0	42.0	53.5	39.3			0.38
18	15	41.8	39.8					
18	21	42.8	41.0			0.75	Overcast, at intervals clear.	
19	3	50.3	37.0	—	—			1.0
19	9	40.8	36.8					
Sunday 21								
20	15	46.4	43.2	52.8	38.8	0.03	0.75	Rain; unsettled weather.
20	21	46.0	42.0					
21	3	47.2	42.6			1.0		
21	9	42.5	32.6	50.8	42.0		1.0	Unsettled weather, with showers.
21	15	44.2	32.2					
21	21	43.5	39.0			0.88		
22	3	48.0	44.0	50.0	36.5		0.88	Fine, with cum. and cum.-strat.
22	9	43.2	40.0					
22	15	41.4	38.2			0.50		
22	21	39.7	34.5	48.7	36.3		0.38	Fine throughout.
23	3	46.3	35.2					
23	9	38.2	36.0			0.13		
23	15	37.6	35.7			0.38	Unsettled, with occasional rain.	
23	21	42.0	35.4	54.0	41.6	0.03		0.50
24	3	51.6	39.0					
24	9	48.4	42.0			0.38	Fine and cloudless throughout.	
24	15	46.6	44.5	59.0	37.0			0.75
24	21	49.0	42.2					
25	3	56.6	43.0			0.0	Fine.	
25	9	46.9	42.4	59.0	37.0			0.0
25	15	39.0	39.5					
25	21	39.0	37.4			0.0	Fine.	
26	3	49.2	36.6	—	—			0.13
26	9	39.8	36.3					
Sunday 21								
27	15	45.3	37.6	51.8	35.3		0.88	Fine, with showers.
27	21	47.2	41.5					
28	3	53.0	37.2			0.38		
28	9	45.8	42.2	57.0	41.8 ^a	0.03	0.88	Rain.
28	15	42.6	41.0					
28	21	44.6	43.0			0.50		

^a Lowest hourly reading of the Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
JULY.								
D.	H.	°	°	°	°	In.		
29	3	54.4	44.8	56.2	41.5		0.50	Gloomy and unsettled.
29	9	48.6	46.5				1.0	
29	15	46.2	44.2				0.50	
29	21	47.0	40.0	57.0	39.3		0.50	Fine, with light rain.
30	3	54.6	42.2				0.13	
30	9	46.5	38.2				0.75	
30	15	41.8	38.5	55.0	46.0		1.0	Overcast and unsettled, with showers.
30	21	43.3	40.0				0.88	
31	3	51.5	42.0				0.88	
31	9	49.2	43.2	55.0	46.0		0.50	Overcast and unsettled, with showers.
31	15	46.0	38.8				0.38	
31	21	47.0	38.3					
AUGUST.								
1	3	48.4	38.0	51.5	41.8		0.38	Generally clear and fine.
1	9	43.2	36.5				0.62	
1	15	42.8	37.0				0.75	
1	21	47.2	35.0	—	—		0.0	Overcast.
2	3	51.0	39.5				0.75	
2	9	43.0	40.0				0.88	
Sunday 21								
3	15	43.0	40.0	54.6	35.8		0.75	Overcast and unsettled.
3	21	48.6	36.4				0.75	
4	3	49.0	32.0				1.0	
4	9	42.2	34.8	53.2	39.6		0.62	Overcast and gloomy, with occasional rain.
4	15	41.0	37.0				0.62	
4	21	45.8	38.0				1.0	
5	3	53.5	39.6	55.2	40.0		0.0	Clear and fine throughout.
5	9	44.8	43.5				0.13	
5	15	41.3	—				0.50	
5	21	44.5	40.5	56.2	39.2	0.25	0.0	Overcast; heavy rain.
6	3	53.6	37.2				0.13	
6	9	44.7	36.0				1.0	
6	15	41.5	40.5	56.7	40.5	0.05	1.0	Unsettled, with squalls and showers.
6	21	43.2	40.0				1.0	
7	3	54.2	46.5				0.50	
7	9	47.0	45.0	50.5	38.2	0.02	0.13	Unsettled, with occasional hail showers.
7	15	43.5	37.5				1.0	
7	21	45.2	35.0				0.25	
8	3	46.5	39.8	—	—		1.0	Overcast.
8	9	42.0	Rain				0.75	
8	15	41.4	33.8				0.75	
8	21	40.3	37.7	—	—		0.75	Overcast.
9	3	44.2	35.4				0.50	
9	9	39.6	27.8				0.88	
Sunday 21								
10	15	41.2	38.6	51.8	37.2	0.02	0.75	Showery.
10	21	43.8	40.5				0.62	
11	3	54.0	41.0				0.50	
11	9	49.2	39.0	57.0	43.6		0.62	Squally and unsettled; fresh N.W. gale.
11	15	48.0	39.6				0.88	
11	21	51.8	38.8				0.75	
12	3	54.8	41.2	58.0	44.2		0.38	Fresh N.W. gale, with S. gales and occasional showers.
12	9	47.0	37.8				0.50	
12	15	45.6	34.0				1.0	
12	21	46.7	40.0	50.7	34.7		0.38	Dense haze; clearing gradually.
13	3	48.4	49.4				0.75	
13	9	40.4	34.0				0.75	
13	15	38.8	36.0	55.0	40.5		0.0	Fine and clear until 15 ^h ; overcast.
13	21	40.6	35.8				0.13	
14	3	52.0	37.2				0.0	
14	9	47.2	39.0	55.0	40.5		0.13	Fine and clear until 15 ^h ; overcast.
14	15	44.3	39.8				0.88	
14	21	49.8	40.3				1.0	

Mean Time Van Diemen Island, Astronomical Reckoning.	TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.	
	Air.	Dew Point.	Max. Therm.	Min. Therm.				
AUGUST.								
D. H.					In.			
15 3	51°3	38°8	°	°		0°62	Gloomy and unsettled throughout.	
15 9	44°1	35°4	57°0	38°0		0°50		
15 15	38°8	36°8				0°75		
15 21	40°5	37°0			0°25			
16 3	47°8	31°8	—	—		0°50	Fine.	
16 9	40°0	33°0				0°38		
Sunday 21								
17 15	43°6	39°5	55°2	36°3		0°62	Fine with cir.	
17 21	48°2	41°8				0°50		
18 3	54°3	38°5	57°8	38°3	0°03	0°75	Unsettled, with occasional rain.	
18 9	42°8	39°5						0°75
18 15	40°0	38°0						1°0
18 21	40°5	37°5						0°62
19 3	47°8	43°5	49°5	39°0 ^a	0°02	0°75	Showery and unsettled.	
19 9	40°2	39°0						0°75
19 15	40°0	39°5						0°62
19 21	43°4	40°5						0°62
20 3	51°6	46°0	55°0	38°3		0°13	Fine, squally; with light rain.	
20 9	43°6	43°2						0°50
20 15	43°0	38°2						0°75
20 21	43°2	41°0						0°25
21 3	56°5	43°2	58°7	40°2	0°11	0°25	Fresh N.W. gale, with squalls and rain.	
21 9	48°2	40°4						0°25
21 15	42°4	35°0						—
21 21	43°6	32°0						0°13
22 3	50°0	—	51°8	34°5		0°25	Fine, with a considerable haze.	
22 9	38°0	31°0						1°0
22 15	35°0	32°2						0°75
22 21	39°1	32°0						—
23 3	55°2	42°0	—	—		0°13	Fine.	
23 9	51°0	42°0						0°50
Sunday 21								
24 15	40°4	35°0	61°0	39°8		0°13	Fine and unsettled, with cum.	
24 21	44°2	35°4						0°38
25 3	53°0	—	54°5	38°2		0°25	Fresh N.W. gale.	
25 9	46°8	37°5						0°88
25 15	44°5	39°8						0°88
25 21	47°5	42°0						0°75
26 3	58°0	39°2	60°8	41°3		0°25	A few light showers, otherwise fine.	
26 9	49°2	41°5						0°75
26 15	43°3	38°6						0°88
26 21	46°5	44°0						0°88
27 3	55°1	42°2	58°2	42°8		0°88	A warm wind, but fine and clear.	
27 9	46°3	37°2						0°75
27 15	43°4	41°0						0°50
27 21	53°2	38°2						0°38
28 3	56°0	41°8	61°0	48°0	0°04	0°13	Fine; a hail storm of about 10 minutes duration at 18 ^h .	
28 9	48°2	41°5						0°25
28 15	47°5	39°8						0°75
28 21	53°4	41°0						1°0
29 3	59°0	42°5	61°0	45°3		0°13	Fine, with cum.	
29 9	49°7	42°8						0°50
29 15	46°4	40°0						0°38
29 21	50°6	41°5						0°13
30 3	58°2	41°2	—	—		1°0	Clouded.	
30 9	46°8	33°6						1°0
Sunday 21								
31 15	44°8	37°0	61°3	38°3	0°10	0°50	A fresh N.W. gale, with rain.	
31 21	50°6	44°8						0°25
SEPTEMBER.								
1 3	56°2	42°2	58°0	50°0		0°38	A strong N.W. gale in the earlier part of the day; fine from 21 ^h .	
1 9	52°0	40°6						0°75
1 15	51°6	40°0						0°50
1 21	53°2	38°0						0°25

^a Lowest hourly reading of the Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
SEPTEMBER.								
D.	H.	°	°	°	°	In.		
2	3	61.5	40.2	64.0	49.0		0.13	Overcast; a warm wind.
2	9	50.5	42.3				0.50	
2	15	49.0	42.5				0.75	
2	21	54.0	41.4				0.38	
3	3	62.9	—	65.0	47.2		0.62	Squally, with passing showers of rain.
3	9	54.0	42.0				0.62	
3	15	52.6	46.0				0.50	
3	21	53.7	40.0				0.50	
4	3	51.8	43.8	56.0	38.8		0.38	Fine and clear throughout.
4	9	43.2	42.4				0.38	
4	15	40.6	34.0				0.25	
4	21	48.0	—				0.25	
5	3	58.2	40.0	61.0	44.0		0.0	Fine and clear throughout.
5	9	46.0	42.0				0.0	
5	15	44.0	39.8				0.0	
5	21	49.2	42.0				0.0	
6	3	55.5	44.0	—	—		0.0	Fine.
6	9	48.6	44.6				0.0	
Sunday 21								
7	15	44.9	42.8	60.8	42.0		0.0	Clear and cloudless.
7	21	50.7	40.0				0.0	
8	3	61.6	—	63.8	45.0		0.13	Fine, with a considerable cirrus haze.
8	9	50.4	41.4				0.25	
8	15	45.0	40.5				0.25	
8	21	50.6	43.2				0.50	
9	3	66.6	—	68.0	43.4		0.0	Clear and cloudless at 3 ^h ; a fresh gale from N.N.W. latterly.
9	9	55.0	45.5				0.88	
9	15	48.7	45.0				0.50	
9	21	51.8	45.0				1.0	
10	3	66.0	44.0	71.5	48.0		0.50	Variable, with light showers.
10	9	60.0	47.0				1.0	
10	15	53.4	36.2				1.0	
10	21	51.0	34.6				0.38	
11	3	52.9	32.0	—	40.2		0.38	Fine, but occasionally overcast.
11	9	42.2	27.2				0.38	
11	15	41.0	32.0				0.75	
11	21	48.6	35.0				0.88	
12	3	52.8	36.5	58.5	47.6 ^a		1.0	Overcast; at intervals fine and clear.
12	9	50.0	40.0				1.0	
12	15	48.0	42.2				0.62	
12	21	52.0	39.0				0.75	
13	3	62.5	39.0	—	—		1.0	Overcast.
13	9	48.0	44.5				0.75	
Sunday 21								
14	15	57.0	48.0	65.0	41.3	0.06	0.62	A strong N.N.W. gale, with heavy squalls and showers.
14	21	57.8	—				0.62	
15	3	53.0	47.5	61.5	41.0		0.38	
15	9	46.0	37.0				0.38	Cloudy, unsettled, with cirrus haze.
15	15	43.5	37.0				0.62	
15	21	47.2	37.0				0.50	
16	3	51.8	29.7	55.5	42.2 ^a		0.13	
16	9	44.8	32.5				0.62	Fine and settled.
16	15	42.4	36.5				0.62	
16	21	51.5	39.2				0.38	
17	3	58.4	38.6	63.2	40.4		0.38	
17	9	49.7	39.6				0.62	Fine until 4 ^h ; thick, light rain.
17	15	48.4	43.0				1.0	
17	21	51.5	43.0				1.0	
18	3	48.8	45.0				0.62	
18	9	47.2	47.0	54.6	43.0 ^a		0.38	Generally fine, with cum.
18	15	43.0	42.7				0.62	
18	21	51.0	44.0				0.88	

^a Lowest hourly readings of the Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
SEPTEMBER.								
D.	H.	°	°	°	°	In.		
19	3	65.0	40.0	67.5	54.0	0.16	0.62	A fresh gale, with heavy rain from 21 ^h .
19	9	55.5	39.0				0.88	
19	15	—	—				0.50	
19	21	60.6	41.5	—	—	—	1.0	Generally fine.
20	3	69.7	39.4				0.50	
20	9	45.8	45.0				0.13	
Sunday 21								
21	15	44.9	36.0	73.6	43.0	—	0.62	Generally fine, with cir. and a cirrus haze.
21	21	52.4	35.5				0.75	
22	3	60.5	40.0	62.0	44.7 ^a	—	0.0	Fine; a fresh N.N.W. gale in the evening.
22	9	49.0	40.0				0.75	
22	15	44.7	38.0				0.62	
22	21	50.5	41.0	70.0	42.5	0.01	0.75	A fresh N.W. gale, with heavy squalls and frequent showers.
23	3	68.8	43.2				0.88	
23	9	56.8	40.8	57.0	41.6	—	0.62	Nimbi, with squalls and showers.
23	15	44.0	39.5				0.50	
23	21	48.2	24.2				0.38	
24	3	52.0	—	—	—	—	0.50	Unsettled, with a hot wind.
24	9	44.8	32.0				0.50	
24	15	44.8	40.5	65.0	43.5	—	0.75	Unsettled, with a hot wind.
24	21	55.4	—				0.13	
25	3	62.6	46.5				0.13	
25	9	53.0	49.2	71.0	55.2	0.25	0.50	Unsettled, with a cirrus haze, terminating in rain.
25	15	51.4	48.0				1.0	
25	21	55.5	46.0	—	—	—	1.0	Overcast.
26	3	69.4	45.0				0.13	
26	9	56.1	39.5	66.8	47.8	—	0.50	A thick haze, with rain in the evening.
26	15	56.0	—				1.0	
26	21	61.0	41.4				1.0	
27	3	52.6	52.0	58.4	46.6	—	0.13	Gloomy and overcast, with occasional rain,
27	9	48.0	48.0				1.0	
Sunday 21								
28	15	57.2	52.0	55.0	49.0 ^a	0.51	1.0	Overcast, with rain throughout.
28	21	58.8	53.5				1.0	
29	3	50.4	42.5				1.0	
29	9	48.3	41.5	59.0	46.9	—	1.0	Fine, with a thick haze.
29	15	47.4	43.4				0.25	
29	21	49.8	43.0	64.6	52.2	—	0.0	Hazy; rain in the evening.
30	3	52.2	48.6				0.0	
30	9	50.6	50.2	64.2	48.7	—	0.25	Overcast.
30	15	50.0	48.5				1.0	
30	21	50.2	49.0				1.0	
OCTOBER.								
1	3	54.4	53.5	57.8	49.6	0.13	1.0	Overcast, with rain at 3 ^h ; fine from 21 ^h .
1	9	52.7	52.5				0.50	
1	15	51.8	51.5				0.75	
1	21	54.2	52.0	59.0	46.9	—	0.62	Fine, with a thick haze.
2	3	56.2	50.3				0.75	
2	9	51.0	54.6	64.6	52.2	—	0.25	Hazy; rain in the evening.
2	15	48.8	45.8				0.0	
2	21	56.2	46.5	64.2	48.7	—	0.0	Overcast throughout, with a thick haze.
3	3	59.0	53.0				0.25	
3	9	55.6	42.5				1.0	
3	15	52.5	45.2	—	—	—	1.0	Overcast.
3	21	57.4	48.0				0.75	
4	3	56.5	53.8	—	—	—	1.0	Overcast.
4	9	52.2	51.0				1.0	
Sunday 21								
5	15	53.4	51.0	64.2	48.7	—	0.88	Overcast throughout, with a thick haze.
5	21	56.0	52.2				0.38	

^a Lowest hourly reading of the Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
OCTOBER.		°	°	°	°	In.		
6	3	58.6	47.5	59.8	41.9 ^a	0.07	0.50	Fresh gale; cold and raw, with rain.
6	9	52.0	45.0					
6	15	43.0	37.0					
6	21	47.0	31.5					
7	3	49.0	32.7	53.0	35.5		0.0	Unsettled and overcast.
7	9	45.2	32.0					
7	15	37.4	34.3					
7	21	46.8	35.5					
8	3	55.6	37.5	59.0	46.2	0.31	1.0	Unsettled and overcast, with constant rain.
8	9	52.6	—					
8	15	50.2	41.4					
8	21	51.8	46.2					
9	3	51.0	49.5	56.8	47.3		0.50	Overcast and gloomy, with occasional misty rain.
9	9	49.0	48.6					
9	15	48.0	47.0					
9	21	53.8	48.5					
10	3	57.5	51.5	59.8	48.0		1.0	Overcast and gloomy throughout.
10	9	50.5	50.2					
10	15	49.3	48.0					
10	21	52.5	46.7					
11	3	56.1	51.0	—	—		1.0	Overcast.
11	9	51.2	48.8					
Sunday 21								
12	15	54.8	54.0	66.5	51.2	0.13	1.0	Rain, with close sultry weather.
12	21	60.0	56.7					
13	3	64.8	62.5	63.5	46.6	0.19	1.0	Unsettled, with squalls and rain.
13	9	56.2	55.8					
13	15	50.4	47.0					
13	21	47.8	41.0					
14	3	52.6	31.6	53.0	45.0 ^a		0.38	More settled; fine in the evening.
14	9	45.8	38.0					
14	15	46.2	36.2					
14	21	52.0	40.0					
15	3	57.4	46.5	60.2	42.8		0.0	Fine and clear, with sea breeze.
15	9	51.0	44.2					
15	15	44.4	43.6					
15	21	54.5	41.0					
16	3	61.5	48.5	67.0	42.7		1.0	Overcast and misty, with occasional rain.
16	9	50.5	48.0					
16	15	45.6	42.6					
16	21	48.0	37.8					
17	3	53.0	31.0	56.2	45.0 ^a		1.0	Overcast throughout, with squalls.
17	9	46.8	36.8					
17	15	45.4	43.0					
17	21	50.8	42.5					
18	3	57.2	—	—	—		0.25	Generally fine.
18	9	48.4	37.5					
Sunday 21								
19	15	42.4	32.6	60.5	41.3		0.88	Fine, with cum.
19	21	54.3	39.2					
20	3	54.6	42.7	59.0	44.0		0.38	Fine until 4 ^h ; squalls and showers.
20	9	47.7	34.0					
20	15	44.6	37.5					
20	21	53.0	37.5					
21	3	54.5	43.8	58.5	44.2 ^a		0.75	Generally fine, but cloudy.
21	9	49.4	44.0					
21	15	44.2	40.0					
21	21	56.8	44.0					
22	3	57.0	50.0	64.0	42.5		0.13	Fine throughout.
22	9	51.0	49.5					
22	15	45.0	44.2					
22	21	58.2	46.0					

^a Lowest hourly reading of the Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max Therm.	Min Therm.			
OCTOBER.								
D.	H.	°	°	°	°	In.		
23	3	69.2	43.0	71.8	45.0	0.75	0.62	Fine and settled, with cir.
23	9	55.2	42.7					
23	15	47.4	35.5	—	—	0.75	0.88	A little rain, otherwise fine.
23	21	54.7	—					
24	3	55.8	41.7	—	—	0.75	1.0	Overcast.
24	9	49.0	^a —					
24	15	43.8	—	—	—	1.0	1.0	Overcast and unsettled; hot and oppressive.
24	21	52.3	—					
25	3	54.0	—	—	—	1.0	1.0	Overcast and unsettled; hot and oppressive.
25	9	48.0	—					
Sunday	21	50.0	—	60.0	49.5	1.0	0.50	Close and sultry; continued hot wind, with strong squalls.
26	15	51.2	49.0					
27	3	73.0	—	75.0	52.3	1.0	1.0	Continued close sultry atmosphere, with hot wind.
27	9	66.4	—					
27	15	65.2	38.5	—	—	1.0	1.0	Continued hot wind; at 19 ^h wind shifted, causing a great decrease of temperature.
27	21	72.8	41.5					
28	3	90.2	—	91.5	59.7	1.0	0.88	Continued hot wind; at 19 ^h wind shifted, causing a great decrease of temperature.
28	9	76.0	—					
28	15	67.3	—	—	—	0.75	0.0	Continued hot wind; at 19 ^h wind shifted, causing a great decrease of temperature.
28	21	67.5	—					
29	3	88.3	43.8	90.6	61.2	1.0	0.62	Fine, and quite clear during the eclipse of the sun; sea breeze.
29	9	76.0	50.0					
29	15	61.2	53.0	—	—	0.75	1.0	Fine generally; rain in the evening.
29	21	70.5	45.0					
30	3	73.6	—	78.0	52.5 ^b	0.50	0.50	Fine generally; rain in the evening.
30	9	54.2	49.0					
30	15	53.0	51.5	—	—	0.0	0.88	Fine generally; rain in the evening.
30	21	60.4	49.0					
31	3	65.8	51.2	69.5	49.3	0.0	1.0	Fine generally; rain in the evening.
31	9	52.5	51.2					
31	15	52.2	39.2	—	—	0.62	0.62	Overcast.
31	21	59.5	48.3					
NOVEMBER.								
1	3	59.8	48.3	—	—	0.0	0.75	Overcast.
1	9	55.7	53.0					
Sunday	21	48.6	46.4	69.5	48.5	0.03	0.75	A strong gale, with squalls and rain.
2	15	54.0	34.3					
2	21	57.0	34.8	60.0	45.0	0.25	0.75	Showery throughout.
3	3	45.2	37.2					
3	9	46.8	38.0	—	—	0.62	0.38	Fine and settled.
3	15	46.8	38.0					
3	21	59.0	36.5	65.6	49.0	0.50	0.50	Fine and settled.
4	3	63.9	36.0					
4	9	51.3	38.0	76.8	50.1 ^b	0.13	0.62	Fine; rain in the evening.
4	15	49.0	42.5					
4	21	62.4	40.6	—	—	0.50	0.13	Fine; rain in the evening.
4	3	65.0	46.5					
5	3	65.0	46.5	76.8	50.1 ^b	0.62	0.75	Fine; rain in the evening.
5	9	55.0	51.0					
5	15	50.1	47.2	—	—	1.0	1.0	Continued rain, with squalls; cold and raw.
5	21	65.2	45.6					
6	3	70.2	53.0	76.3	48.5	1.20	1.0	Continued rain, with squalls; cold and raw.
6	9	59.0	55.0					
6	15	53.6	53.0	—	—	0.50	0.88	Cloudy.
6	21	49.8	44.0					
7	3	53.4	38.5	57.5	44.3 ^b	0.88	0.62	Squally; raw and cold.
7	9	45.0	36.0					
7	15	44.3	38.0	—	—	0.75	0.75	Cloudy.
7	21	55.0	47.5					
8	3	59.0	41.8	—	—	0.25	0.88	Cloudy.
8	9	50.8	36.0					
Sunday	21	48.7	46.0	71.0	47.8 ^b	0.88	0.38	Cloudy, with occasional squalls and showers.
9	15	59.6	50.5					

^a Ether expended.

^b Lowest hourly reading of the Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
NOVEMBER.								
D.	H.	°	°	°	°	In.		
10	3	66·6	50·0	72·4	47·5		0·62	Generally fine.
10	9	58·7	46·6					
10	15	53·0	46·0					
10	21	70·0	41·8	79·0	48·0 ^a		0·88	Overcast and gloomy.
11	3	65·4	—					
11	9	53·0	34·6					
11	15	48·0	37·6	66·6	46·0 ^a		0·75	Nimbi, with light showers, and strong N.W. wind.
11	21	57·2	35·5					
12	3	63·2	37·0					
12	9	50·0	39·0	66·0	46·1		0·62	Generally fine, but cloudy.
12	15	47·1	38·0					
12	21	54·0	37·5					
13	3	61·9	34·6	68·1	49·7	0·04	0·50	Overcast, with misty rain.
13	9	54·5	41·2					
13	15	51·2	40·5					
13	21	63·2	44·0	—	—		0·75	Hazy.
14	3	64·8	51·4					
14	9	55·0	52·0					
14	15	—	—	61·0	41·7		1·0	Fine, with considerable haze.
14	21	51·3	49·0					
15	3	56·0	46·0					
15	9	52·0	46·5	68·8	44·4		0·50	Very hazy, with cir.
Sunday	21							
16	15	43·0	38·4					
16	21	59·2	42·8	68·0	50·0		0·75	Fine, with thick haze.
17	3	66·2	48·0					
17	9	54·4	46·8					
17	15	48·0	47·4	76·2	52·3		0·25	Fine, with thick haze.
17	21	60·8	49·0					
18	3	67·2	50·6					
18	9	55·5	49·0	79·8	58·0 ^a		0·13	Clearer, but still hazy.
18	15	54·9	52·6					
18	21	66·4	48·0					
19	3	74·9	54·2	86·5	60·8 ^a	0·53	0·0	Rain, with occasional gleam of sunshine.
19	9	59·2	52·3					
19	15	53·0	50·0					
19	21	67·9	48·5	—	—	0·89	0·0	Rain.
20	3	79·2	55·8					
20	9	65·4	54·4					
20	15	59·6	54·0	68·8	52·4 ^a	0·11	0·0	Gloomy and unsettled, with squalls and rain.
20	21	71·0	54·2					
21	3	83·2	60·0					
21	9	66·0	59·0	69·0	47·0		1·0	Very thick and gloomy.
21	15	61·3	59·0					
21	21	60·8	63·0					
22	3	64·6	61·5	59·0	52·9	0·24	0·75	Squally, with hard showers.
22	9	59·4	59·3					
Sunday	21			63·5	51·6 ^a		0·62	More settled, but cloudy.
23	15	53·8	47·0					
23	21	61·4	45·0					
24	3	65·4	47·0	69·0	47·0		0·0	Very thick and gloomy.
24	9	52·0	51·4					
24	15	47·3	46·8					
24	21	56·5	51·0	59·0	52·9	0·24	0·88	Squally, with hard showers.
25	3	56·6	50·5					
25	9	55·0	—					
25	15	53·6	52·5	63·5	51·6 ^a		0·62	More settled, but cloudy.
25	21	56·4	51·4					
26	3	59·4	48·0					
26	9	53·0	48·0	63·5	51·6 ^a		1·0	More settled, but cloudy.
26	15	52·0	51·2					
26	21	61·6	54·0					

^a Lowest hourly reading of the Standard Thermometer.

Mean Time Van Diemen Island, Astronomical Reckoning.	TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
	Air.	Dew Point.	Max. Therm.	Min. Therm.			
NOVEMBER.							
D. H.	°	°	°	°	In.		
27 3	63.5	55.0	68.0	52.5		0.0	} Fine; light rain in the evening.
27 9	57.5	56.0					
27 15	53.3	53.0					
27 21	66.3	52.5	81.7	59.2	0.35	1.0	} Constant rain, with squalls and showers.
28 3	72.6	57.0					
28 9	65.3	61.0					
28 15	60.0	59.0	—	—	0.09	0.62	} Gloomy.
28 21	66.0	53.5					
29 3	59.0	58.0					
29 9	58.6	52.5				0.75	
Sunday 21							
30 15	55.3	52.5	70.0	55.0		0.75	} Gloomy and unsettled.
30 21	65.6	58.0					
DECEMBER.							
D. H.	°	°					
1 3	76.2	54.4	79.2	61.7		0.13	} Fine throughout.
1 9	67.0	53.4					
1 15	63.0	53.0					
1 21	64.7	48.0	75.0	55.8		0.88	} Fine and settled.
2 3	72.2	—					
2 9	57.4	41.8					
2 15	56.3	46.4	71.0	51.8		1.0	} Clear and fine, with cir.
2 21	65.0	46.5					
3 3	68.5	48.0					
3 9	61.0	52.0	72.0	58.7		0.25	} Fine, with drizzling rain in the evening.
3 15	52.8	48.2					
3 21	66.0	50.0					
4 3	66.9	56.0	71.8	63.0		0.50	} Rain in the morning, with fine clear weather in the evening.
4 9	61.7	55.6					
4 15	59.2	56.4					
4 21	66.0	50.8	—	—		0.62	} Overcast.
5 3	70.4	57.5					
5 9	65.0	53.0					
5 15	65.8	50.5	84.0	53.8	0.11	0.50	} Commenced with rain, followed by a strong N.W. gale, and fine in the evening.
5 21	70.0	45.8					
6 3	73.8	48.0					
6 9	62.5	48.5				0.75	
Sunday 21							
7 15	62.0	63.0	75.8	52.7		0.25	} Squally and unsettled.
7 21	72.8	56.5					
8 3	74.2	43.0					
8 9	58.0	36.0	69.8	46.0	0.03	0.25	} Unsettled, with occasional light rain.
8 15	53.5	37.5					
8 21	61.8	—					
9 3	64.0	42.0	67.0	47.8		0.38	} Overcast, with occasional light misty rain.
9 9	51.5	42.0					
9 15	46.6	—					
9 21	58.2	42.0	66.8	53.8		0.62	} Cloudy, with a general misty haze.
10 3	62.5	44.3					
10 9	52.5	41.0					
10 15	48.0	41.5	64.8	51.0		0.75	} Cloudy and gloomy.
10 21	59.8	45.0					
11 3	63.5	51.2					
11 9	56.4	53.0	—	—		1.0	} Clouded.
11 15	54.2	53.8					
11 21	62.5	45.0					
12 3	61.2	50.4	66.5	53.8		1.0	} Close, with considerable haze.
12 9	56.0	48.6					
12 15	53.5	48.0					
12 21	61.0	48.8				0.25	
13 3	62.6	50.5				1.0	
13 9	55.4	49.4				1.0	
Sunday 21							
14 15	54.6	49.8				0.0	
14 21	61.7	47.0					

Mean Time Van Diemen Island, Astronomical Reckoning.		TEMPERATURE.				Rain.	Extent of Cloudy Sky.	Weather and Remarks.
		Air.	Dew Point.	Max. Therm.	Min. Therm.			
DECEMBER.		°	°	°	°	In.		
D.	H.							
15	3	67.5	54.0	70.0	47.5	0.0	}	Fine throughout.
15	9	55.5	51.4					
15	15	—	—					
15	21	66.6	—	76.0	52.5	0.25	}	Overcast, with considerable haze.
16	3	68.2	54.5					
16	9	57.8	53.0					
16	15	53.2	52.2	71.8	54.7	0.75	}	Fine, with haze.
16	21	65.0	58.0					
17	3	66.0	56.0					
17	9	58.0	—	77.5	49.8	0.0	}	Fine, with a scotch rain in the evening.
17	15	56.2	52.2					
17	21	65.0	—					
18	3	68.5	^a —	69.5	55.5	0.0	}	Sultry, with occasional showers.
18	9	59.5	—					
18	15	51.8	—					
18	21	61.0	—	—	—	1.0	}	Clouded.
19	3	60.7	—					
19	9	58.1	—					
19	15	55.6	—	73.8	54.2	1.0	}	Overcast; a strong N.W. gale, with violent squalls.
19	21	64.0	—					
20	3	61.0	—					
20	9	58.2	—	76.0	52.2	0.88	}	Fine, with a thick haze.
21	15	54.7	—					
21	21	65.3	—					
22	3	73.6	—	67.8	50.4	0.13	}	Squally and unsettled, with showers.
22	9	56.9	—					
22	15	53.0	—					
22	21	64.0	—	—	—	0.75	}	Cloudy.
23	3	61.6	—					
23	9	57.4	—					
23	15	50.7	—	75.2	53.3	0.62	}	Fine; but close and sultry, with much haze.
23	21	60.2	—					
24	3	69.5	—					
24	9	57.5	—	78.8	55.5	0.75	}	Dense haze.
25	15	55.0	—					
25	21	69.0	—					
26	3	77.0	—	78.8	55.5	0.75	}	Fine.
26	9	58.0	—					
26	15	56.0	—					
26	21	67.8	—	—	—	0.88	}	A warm N.W. gale, with squalls and showers.
27	3	76.8	—					
27	9	63.0	—					
28	15	63.2	—	81.6	52.3	0.13	}	Fine, but cloudy.
28	21	64.2	—					
29	3	63.2	—					
29	9	52.3	—	65.8	48.0	1.0	}	A fresh northerly gale; fine.
29	15	—	—					
29	21	55.5	—					
30	3	72.0	—	73.6	56.3	0.50	}	Calm, with haze in the morning; thunder storm about noon, followed by a strong hot N.W. gale.
30	9	61.5	—					
30	15	56.7	—					
30	21	68.0	—	79.8	56.2 ^b	0.25	}	
31	3	78.8	—					
31	9	64.5	—					
31	15	56.2	—	—	—	0.75	}	
31	21	80.0	—					

^a Ether expended.^b Lowest hourly reading of the Standard Thermometer.

VAN DIEMEN ISLAND.

OBSERVATIONS OF THE MAGNETIC INCLINATION.

1848, 1849, and 1850.

Observations of Inclination made on Tuesdays and Fridays about four hours before and four hours after Noon.

Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Inclination.	Monthly Means.
			Face of Needle.				Face of Needle.					
			Direct.		Reversed.		Direct.		Reversed.			
			α	α'	α''	α'''	β	β'	β''	β'''		
1848.												
D. H.		° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
January.		0 & 180	-70 31.5	-70 31.5	-70 15.0	-70 30.5	-68 24.5	-70 05.0	-71 05.5	-71 14.5	-70 19.8	-70 31.0
3 22	A. 2	—	70 15.0	70 39.0	69 44.0	70 18.0	71 19.0	70 12.0	70 51.5	70 45.0	70 30.4	
7 3	A. 2	—	69 39.8	71 23.0	69 01.5	71 00.0	71 43.8	69 48.0	71 03.0	70 17.5	70 29.6	
10 21	A. 2	—	70 01.0	71 07.0	69 40.8	71 04.5	72 01.0	70 06.0	71 27.5	70 49.0	70 47.1	
14 3	A. 2	—	70 01.0	71 06.0	68 44.8	70 42.2	72 05.0	70 02.0	71 25.5	70 40.2	70 35.8	
17 21	A. 2	—	70 13.5	71 06.5	68 54.5	70 26.5	71 33.5	69 47.0	71 38.5	70 20.0	70 30.0	
21 3	A. 2	—	70 04.8	71 15.5	69 01.5	70 48.5	71 54.0	70 19.0	72 17.0	71 07.5	70 51.0	
24 21	A. 2	—	69 37.5	71 05.5	69 24.0	71 10.0	69 43.0	70 43.5	69 08.0	70 34.0	70 10.7	
28 3	A. 2	—	-70 49.0	-70 00.5	-70 50.5	-69 10.5	-69 57.0	-71 31.0	-70 19.0	-70 52.0	70 26.2	
31 21	A. 2	—										
February.			-70 27.5	-71 09.0	-69 26.5	-70 46.5	-71 40.0	-70 11.5	-71 26.5	-70 25.0	-70 41.6	-70 36.7
4 3	A. 2	—	70 25.0	71 08.0	69 17.2	70 50.5	72 10.0	69 41.5	71 22.0	70 15.0	70 38.6	
7 21	A. 2	—	71 55.0	71 07.5	70 38.5	70 23.0	71 32.5	69 45.0	71 29.0	70 03.0	70 51.7	
11 3	A. 2	—	70 14.5	71 04.5	70 00.5	70 26.0	70 44.0	70 20.5	70 34.0	69 50.0	70 24.4	
14 21	A. 2	—	70 33.5	70 24.0	70 26.0	69 22.0	71 10.5	69 48.0	70 06.2	70 03.8	70 14.2	
18 3	A. 2	—	69 37.0	71 05.5	69 02.5	70 57.5	72 07.0	70 13.0	71 27.2	70 29.0	70 37.3	
21 21 ^a	A. 2	—	70 01.2	70 54.0	69 11.5	70 33.0	71 42.2	70 38.0	71 16.0	70 46.0	70 37.7	
25 3	A. 2	—	-70 11.5	-71 00.5	-69 22.0	-70 47.5	-72 00.0	-70 26.5	-71 53.2	-70 44.0	-70 48.1	
28 21	A. 2	—										
March.			-69 38.5	-70 58.0	-68 36.2	-71 09.0	-71 48.0	-70 15.5	-71 32.0	-70 41.0	-70 34.8	-70 36.2
3 3	A. 2	—	69 03.5	71 48.0	68 03.0	70 47.5	71 50.0	70 28.0	71 15.5	70 44.5	70 30.0	
6 21	A. 2	—	69 19.7	70 55.0	69 47.0	70 44.8	71 55.0	70 06.5	71 37.7	70 05.0	70 33.8	
10 3	A. 2	—	69 32.5	71 09.0	69 39.0	70 47.2	72 38.5	69 03.0	71 35.5	70 45.0	70 38.7	
13 21	A. 2	—	70 25.8	70 54.5	69 20.5	70 35.2	72 19.0	69 52.0	71 40.5	70 50.0	70 44.7	
17 3	A. 2	—	70 44.0	70 42.0	69 48.0	70 29.4	72 27.0	69 58.0	71 37.5	70 35.2	70 47.6	
20 21	A. 2	—	68 40.0	71 05.0	69 53.5	70 30.0	72 08.5	70 02.5	71 30.0	70 37.5	70 33.4	
24 3	A. 2	—	67 45.0	72 32.5	66 45.0	71 01.0	71 15.0	71 17.5	72 07.0	70 31.5	70 23.1	
27 21 ^b	A. 2	—	-70 05.0	-71 07.0	-69 18.2	-70 53.5	-71 53.0	-70 07.2	-71 17.0	-70 49.0	-70 41.2	
31 3	A. 2	—										
April.			-69 52.5	-71 04.0	-69 17.0	-70 53.0	-71 57.5	-70 02.0	-71 05.0	-70 24.0	-70 34.4	-70 38.1
3 21	A. 2	—	67 56.0	71 42.0	69 27.5	71 12.5	72 09.8	70 03.5	71 42.0	70 25.0	70 34.8	
7 3 ^c	A. 2	—	69 57.0	71 03.5	69 08.0	70 54.0	72 03.0	70 27.2	71 52.0	70 59.0	70 48.0	
10 21	A. 2	—	69 45.0	71 11.0	68 57.5	70 42.2	72 04.0	70 09.0	71 22.0	70 56.0	70 38.3	
14 3	A. 2	—	69 49.0	71 26.0	68 55.0	70 10.0	71 29.5	70 15.0	71 07.0	71 14.0	70 40.7	
17 21	A. 2	—	69 50.0	70 54.0	69 08.5	70 43.0	72 07.0	70 13.5	71 04.0	70 34.0	70 34.2	
24 21	A. 2	—	69 56.5	71 18.0	-69 05.0	-70 52.0	-71 54.0	-70 00.0	-71 15.0	-70 39.5	-70 37.5	
28 3	A. 2	—										
May.			-70 10.5	-71 05.5	-69 14.5	-70 45.0	-71 40.0	-69 54.5	-71 14.0	-70 19.0	-70 32.9	-70 37.2
1 21	A. 2	—	69 44.0	70 57.0	69 26.3	70 51.5	72 23.0	69 53.8	71 32.0	70 30.0	70 39.7	
5 3	A. 2	—	70 07.0	71 13.5	69 37.5	70 56.0	71 38.5	69 52.0	70 33.0	70 15.0	70 31.5	
8 21	A. 2	—	70 03.0	70 53.0	69 28.5	70 45.0	72 13.5	69 49.8	71 07.0	70 20.0	70 35.0	
12 3	A. 2	—	69 46.5	70 53.5	69 11.5	70 38.0	72 12.0	69 55.5	71 00.0	70 35.5	70 31.5	
15 21	A. 2	—	70 16.2	71 10.0	70 29.0	70 56.0	71 35.0	70 17.8	71 40.2	70 38.5	70 52.8	
19 3	A. 2	—	69 42.5	71 31.5	69 10.0	71 04.5	72 09.5	69 50.0	71 43.5	70 56.0	70 45.9	
22 21	A. 2	—	69 51.0	70 41.5	69 17.5	70 36.8	71 58.0	70 02.5	71 15.0	70 14.0	70 29.5	
26 3	A. 2	—	-69 58.2	-71 03.5	-68 50.0	-70 47.5	-71 53.8	-70 12.5	-71 25.0	-70 21.5	-70 34.0	
29 21	A. 2	—										
June.			-70 04.0	-70 45.0	-69 32.2	-70 26.5	-72 13.5	-70 01.0	-71 19.0	-70 30.0	-70 36.4	-70 32.6
2 3	A. 2	—	69 59.0	70 52.0	69 31.8	70 30.5	71 40.0	69 32.0	70 54.5	70 02.8	70 22.8	
5 21	A. 2	—	69 55.5	71 32.0	69 22.5	71 05.2	71 51.0	69 46.0	71 31.5	70 21.5	70 40.6	
9 3	A. 2	—	69 39.5	71 24.5	69 01.5	71 10.5	71 37.5	69 57.5	71 01.5	70 40.5	70 34.1	
12 21	A. 2	—	69 37.0	71 20.0	69 15.0	70 52.0	71 39.5	69 52.8	71 13.0	70 25.0	70 31.8	
16 3	A. 2	—	69 36.0	70 33.0	68 58.0	71 29.5	71 42.5	70 26.5	71 46.0	70 35.5	70 38.4	
19 21	A. 2	—	69 48.0	71 10.0	69 11.0	70 58.0	71 36.0	69 50.0	71 17.5	70 17.5	70 31.0	
23 3	A. 2	—	69 33.5	71 10.0	69 15.0	70 49.0	71 26.8	70 17.5	70 50.5	70 35.0	70 29.7	
26 21	A. 2	—	-70 16.0	-71 05.0	-68 50.0	-70 27.5	-71 29.0	-70 17.8	-71 00.0	-70 37.0	-70 30.2	
30 3	A. 2	—										

^a Observations difficult; much irregularity shown by all the Magnetometers.
^b Reading of the needle in its different positions very unusual.
^c Needle very unsteady.

Observations of Inclination made on Tuesdays and Fridays about four hours before and four hours after Noon.

Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Inclination.	Monthly Means.
			Face of Needle.				Face of Needle.					
			Direct.		Reversed.		Direct.		Reversed.			
			α	α'	α''	α'''	β	β'	β''	β'''		
1848.												
D. H.		° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
July.												
3 21	A. 2	0 & 180	-69 51.5	-71 16.0	-69 09.0	-71 20.0	-72 02.0	-69 47.0	-71 25.5	-70 31.5	-70 40.3	-70 36.7
7 3	A. 2	—	69 52.0	71 02.0	69 08.0	70 42.5	72 03.0	69 40.0	71 16.0	70 25.0	70 31.1	
10 21	A. 2	—	70 05.0	71 02.5	96 33.0	70 47.5	72 15.0	70 05.5	71 42.5	69 39.5	70 38.8	
14 3	A. 2	—	70 09.0	70 58.5	69 20.2	70 38.0	71 58.0	70 02.0	71 11.5	70 23.0	70 35.0	
17 21	A. 2	—	69 43.7	71 21.5	69 01.0	70 49.0	71 55.0	70 04.0	71 39.5	70 25.0	70 37.3	
21 3	A. 2	—	70 08.5	71 02.0	69 12.5	70 45.5	72 36.0	69 14.0	71 08.0	70 13.0	70 32.5	
24 21	A. 2	—	70 01.5	71 19.5	69 05.8	70 52.2	72 24.5	69 34.8	71 41.0	70 42.0	70 42.7	
28 3	A. 2	—	70 08.5	71 05.0	69 09.2	70 57.5	72 11.2	69 41.5	71 02.0	70 29.0	70 35.5	
31 21	A. 2	—	-70 35.0	-71 01.0	-69 31.5	-70 32.0	-71 49.5	-69 52.5	-71 31.0	-70 31.5	-70 40.5	
August.												
4 3	A. 2	—	-70 10.5	-71 06.0	-69 05.5	-70 49.0	-72 09.0	-70 02.5	-71 32.5	-70 50.0	-70 43.1	-70 30.6
7 21 ^a	A. 2	—	69 39.0	70 30.0	68 54.0	70 19.0	72 09.0	69 48.0	71 06.0	70 20.0	70 20.6	
11 3	A. 2	—	70 04.5	70 32.0	69 06.5	70 25.2	73 09.8	69 54.0	71 25.0	70 29.0	70 38.2	
14 21	A. 2	—	69 29.5	70 55.5	68 57.2	70 22.0	71 52.5	70 03.5	71 32.0	70 41.5	70 29.2	
18 3	A. 2	—	69 58.5	70 45.0	69 22.0	70 43.8	72 17.0	70 02.5	71 24.5	70 20.0	70 36.7	
21 21	A. 2	—	69 25.0	70 51.5	69 26.0	70 43.0	71 41.5	69 51.5	72 04.5	69 41.0	70 28.0	
25 3	A. 2	—	68 31.0	71 21.0	67 45.0	72 09.0	72 38.5	70 17.0	71 42.0	70 25.0	70 36.1	
28 21 ^b	A. 2	—	-68 45.0	-71 25.0	-67 12.0	-70 57.0	-72 11.0	-69 45.0	-71 23.0	-70 04.0	-70 12.7	
September.												
1 3	A. 2	—	-69 31.5	-71 27.2	-69 05.0	-72 28.0	-72 03.4	-70 16.0	-71 46.5	-70 28.2	-70 53.2	-70 42.7
4 21 ^c	A. 2	—	70 07.5	71 22.5	69 49.8	71 15.5	71 51.0	70 38.0	72 07.5	70 52.5	71 00.5	
8 3	A. 2	—	70 23.0	71 38.0	68 51.0	71 06.5	71 57.5	70 07.5	71 28.5	70 23.0	70 44.4	
15 3	A. 2	—	69 56.0	71 02.0	69 02.0	71 08.5	72 29.0	69 51.0	71 09.0	70 10.0	70 36.0	
18 21	A. 2	—	69 51.0	71 00.0	69 15.0	70 43.0	72 19.0	69 51.0	71 10.0	70 16.0	70 33.1	
22 3	A. 2	—	69 56.5	70 55.0	69 22.0	70 51.0	71 47.0	69 43.8	71 10.2	70 25.0	70 31.3	
25 21	A. 2	—	70 14.5	71 09.5	69 27.5	70 41.0	71 48.5	70 05.5	71 38.5	70 40.5	70 43.2	
29 3	A. 2	—	-70 22.5	-70 55.0	-69 11.5	-70 32.5	-71 48.0	-70 03.0	-71 07.0	-70 33.0	-70 34.1	
October.												
2 21	A. 2	—	-70 05.0	-70 56.0	-69 00.0	-70 47.5	-71 49.0	-69 58.0	-71 10.0	-70 24.0	-70 31.2	-70 35.8
6 3	A. 2	—	70 17.5	71 02.0	69 01.5	70 31.5	72 00.2	69 47.5	71 11.0	70 32.0	70 32.9	
9 21	A. 2	—	69 38.5	71 30.0	69 05.2	70 56.8	71 45.0	70 09.5	71 22.5	70 31.5	70 37.4	
13 3	A. 2	—	69 37.0	71 18.5	69 07.5	70 49.0	72 16.2	70 12.5	71 23.0	70 45.0	70 41.1	
16 21	A. 2	—	69 22.5	71 03.0	69 26.5	70 39.0	72 13.0	69 52.0	71 25.0	70 35.0	70 34.5	
20 3	A. 2	—	70 06.0	70 55.0	69 23.5	70 45.0	72 21.5	69 41.5	71 32.0	70 22.0	70 38.3	
23 21	A. 2	—	69 50.0	70 54.0	69 26.5	70 41.5	72 25.5	69 33.5	71 25.0	70 23.0	70 34.9	
27 3	A. 2	—	70 04.0	70 28.5	68 53.8	70 31.2	72 34.5	69 26.5	71 27.0	70 33.0	70 29.8	
30 21	A. 2	—	-70 15.5	-71 11.5	-69 22.0	-70 54.5	-71 45.0	-70 01.0	-71 31.5	-70 42.5	-70 42.9	
November.												
3 3	A. 2	—	-69 34.0	-71 06.0	-69 01.5	-70 29.0	-71 45.5	-70 25.0	-71 04.0	-70 21.5	-70 28.3	-70 30.9
6 21	A. 2	—	69 47.0	71 00.0	69 10.0	70 33.5	72 22.5	69 57.5	71 40.0	70 27.5	70 37.2	
10 3	A. 2	—	69 37.0	71 05.0	68 58.0	70 39.2	71 11.0	70 04.0	71 58.5	70 15.0	70 28.4	
13 21	A. 2	—	69 56.0	70 56.5	69 01.2	70 41.0	71 49.0	70 01.0	71 27.5	70 33.0	70 33.1	
17 3	A. 2	—	69 31.5	71 20.0	69 02.5	70 29.5	71 39.0	70 15.0	71 29.5	70 21.5	70 31.1	
20 21	A. 2	—	69 50.0	71 13.5	69 21.0	70 38.0	71 19.0	69 41.0	71 26.0	70 31.0	70 29.9	
24 3	A. 2	—	70 26.5	70 40.0	69 39.0	70 23.0	71 04.0	69 57.0	70 44.0	70 18.0	70 23.9	
27 21	A. 2	—	-70 14.8	-71 02.5	-69 42.0	-70 36.0	-71 50.0	-69 51.0	-71 07.0	-70 25.0	-70 36.0	
December.												
1 3 ^d	A. 2	—	-70 10.5	-71 19.5	-70 09.0	-70 57.5	-72 31.0	-70 13.0	-72 33.0	-70 43.5	-71 04.6	-70 39.5
4 21	A. 2	—	70 07.8	71 05.0	68 52.5	70 50.0	71 50.0	70 08.5	71 13.0	70 33.0	70 34.9	
8 3	A. 2	—	69 49.0	71 01.0	69 03.5	70 23.5	72 13.5	69 59.0	71 30.0	70 37.0	70 34.6	
11 21	A. 2	—	69 41.5	71 08.0	68 45.0	70 58.0	71 28.5	70 21.5	71 12.0	70 43.0	70 32.2	
15 3	A. 2	—	70 08.8	71 00.0	69 13.5	70 34.0	71 08.5	70 56.5	71 03.0	70 40.0	70 35.5	
18 21	A. 2	—	69 27.5	71 16.5	68 43.5	70 44.0	71 30.0	70 22.2	71 19.0	70 43.0	70 30.7	
22 3	A. 2	—	69 45.0	-71 37.5	69 01.5	71 15.0	71 58.5	70 20.0	71 38.5	71 00.5	70 49.6	
25 21	A. 2	—	69 43.0	71 13.0	68 58.0	70 52.7	71 40.0	70 06.5	71 00.0	70 27.0	70 30.1	
29 3	A. 2	—	-70 07.5	71 31.5	-69 48.5	-71 12.5	-71 10.5	-70 48.5	-71 10.5	-70 59.5	-70 51.1	

^a Dip unusually small, observations repeated, but with no material difference.

^c No assignable reason for the large dip, the needle having been tried back in all its positions.

^b Part of the results unusual.

^d No assignable reason for so high a dip.

Observations of Inclination made on Tuesdays and Fridays about four hours before and four hours after Noon.

Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Inclination.	Monthly Means.
			Face of Needle.				Face of Needle.					
			Direct.		Reversed.		Direct.		Reversed.			
			α	α'	α''	α'''	β	β'	β''	β'''		
1849.												
D. H.												
January.		0 & 180	-70 20.5	-71 09.2	-69 39.5	-71 01.5	-71 34.5	-70 37.5	-71 19.0	-70 38.5	-70 47.5	-70 40.1
1 21	A. 2	—	70 20.5	70 42.0	70 33.0	70 27.0	71 32.0	70 13.0	70 47.0	70 41.5	70 39.5	
5 3	A. 2	—	70 14.5	70 35.0	69 41.0	70 30.0	71 36.5	70 03.0	71 24.0	70 21.5	70 33.2	
8 21	A. 2	—	70 41.5	71 14.5	69 36.5	70 47.0	71 13.0	70 46.5	71 07.5	70 50.5	70 47.1	
12 3	A. 2	—	70 01.5	71 19.0	69 06.5	70 59.5	71 44.5	70 25.5	71 12.0	70 50.5	70 43.6	
15 21	A. 2	—	70 30.5	70 59.8	69 45.6	70 49.2	71 25.8	70 11.5	71 00.5	70 55.0	70 42.2	
19 3	A. 2	—	69 46.5	70 49.5	68 53.5	70 58.0	71 33.5	70 11.5	71 54.0	70 44.0	70 36.3	
22 21	A. 2	—	69 47.0	71 13.0	69 08.5	70 20.0	71 58.0	70 12.0	71 20.0	70 40.0	70 34.8	
26 3	A. 2	—	-70 15.0	-70 35.0	-68 58.5	-70 41.5	-72 11.0	-69 59.5	-71 09.0	-71 00.0	-70 36.2	
29 21	A. 2	—										
February.												-70 35.4
2 3	A. 2	—	-70 19.5	-70 36.0	-69 00.0	-70 43.0	-72 31.0	-69 47.0	-71 37.0	-70 20.0	-70 35.4	
5 21	A. 2	—	70 24.8	70 55.0	69 46.5	70 12.5	72 26.5	69 31.0	71 31.5	70 14.0	70 37.7	
9 3	A. 2	—	70 32.5	70 43.0	69 51.5	70 10.0	72 19.0	69 40.0	71 07.5	70 33.2	70 37.0	
12 21	A. 2	—	69 55.0	71 05.0	69 07.5	70 35.5	72 22.2	69 39.0	71 27.5	70 35.0	70 35.8	
16 3	A. 2	—	69 53.0	70 38.5	69 05.0	70 32.2	72 33.2	69 59.0	71 15.0	70 25.0	70 36.4	
19 21	A. 2	—	69 40.0	70 53.0	69 10.0	70 24.0	72 34.0	70 04.5	71 43.0	70 41.5	70 38.8	
23 3	A. 2	—	69 41.0	71 03.0	68 53.2	70 22.2	71 51.0	70 23.5	71 31.7	70 46.0	70 34.0	
26 21	A. 2	—	-69 18.0	-71 05.0	-68 47.5	-70 26.5	-71 52.5	-70 19.2	-71 17.0	-70 38.5	-70 28.0	
March.												-70 38.4
2 3	A. 2	—	-69 13.0	-70 55.2	-68 45.0	-70 20.0	-72 47.0	-70 43.5	-71 55.5	-70 23.0	-70 37.8	
5 21	A. 2	—	69 20.0	71 24.0	69 05.5	70 33.0	72 37.5	70 02.2	71 52.0	70 34.0	70 41.0	
9 3	A. 2	—	69 10.0	71 28.0	68 26.5	70 27.5	72 58.5	69 53.8	71 37.0	70 27.5	70 33.6	
12 21	A. 2	—	69 34.0	71 29.0	69 15.0	70 29.0	73 06.5	69 58.5	71 50.0	70 19.0	70 45.1	
16 3	A. 2	—	69 33.0	71 03.0	68 46.5	70 18.0	73 01.0	70 02.2	71 50.0	70 39.0	70 39.1	
19 21	A. 2	—	69 15.0	71 19.0	68 40.0	70 27.5	72 56.0	69 58.5	71 44.0	70 48.0	70 38.5	
23 3	A. 2	—	69 32.0	71 34.0	68 40.0	70 56.5	71 59.8	70 17.5	71 29.0	70 45.0	70 39.2	
26 21	A. 2	—	69 32.0	71 38.5	68 48.5	70 41.0	72 42.5	69 52.5	71 44.5	70 00.0	70 37.4	
30 3	A. 2	—	-69 49.0	-71 37.5	-68 39.0	-70 00.0	-72 45.5	-69 37.2	-71 43.8	-70 04.0	-70 32.0	
April.												-70 43.7
2 21	A. 2	—	-69 56.0	-71 33.5	-68 32.5	-71 00.0	-72 41.2	-70 00.0	-71 54.0	-70 18.5	-70 44.5	
9 21	A. 2	—	69 57.5	71 30.0	69 32.5	70 57.5	72 39.5	70 02.5	71 31.5	70 23.0	70 49.3	
13 3	A. 2	—	69 57.5	71 02.0	69 24.0	70 25.0	72 46.0	69 42.5	71 25.0	70 23.0	70 38.1	
16 21	A. 2	—	69 59.0	71 10.0	68 30.3	70 36.0	73 02.5	69 31.2	71 50.0	70 38.5	70 39.7	
20 3	A. 2	—	70 06.2	71 03.2	69 38.5	70 45.5	72 01.5	70 21.5	71 35.0	70 33.5	70 45.6	
23 21	A. 2	—	69 58.5	71 05.5	68 59.5	71 22.5	72 14.0	70 05.0	71 43.5	70 41.5	70 46.3	
27 3	A. 2	—	69 39.0	71 31.5	69 27.5	70 48.0	73 18.5	69 32.5	71 23.0	70 15.0	70 44.4	
30 21	A. 2	—	-70 08.5	-70 58.0	-9 37.5	-70 45.0	-72 58.5	-69 46.5	-71 57.0	-69 40.0	-70 43.9	
May.												-70 36.2
4 3	A. 2	—	-70 03.0	-70 58.0	-69 30.0	-70 32.5	-72 11.2	-70 02.5	-71 16.0	-70 27.0	-70 37.5	
7 21	A. 2	—	70 22.2	70 53.0	69 35.5	70 24.5	72 07.3	69 57.5	71 32.5	70 35.0	70 41.0	
11 3	A. 2	—	70 03.5	70 49.5	69 46.5	70 40.0	71 31.5	70 13.0	71 18.0	70 35.5	70 37.2	
14 21	A. 2	—	69 36.0	70 25.0	68 12.5	70 58.5	71 40.0	70 10.8	71 02.5	70 41.5	70 28.4	
18 3	A. 2	—	73 03.5	71 23.0	69 02.0	70 55.0	71 55.0	70 07.5	71 13.0	70 28.5	70 38.5	
21 21	A. 2	—	70 10.0	71 00.0	69 34.0	70 33.5	71 55.8	70 04.0	71 12.5	70 23.5	70 36.7	
25 3	A. 2	—	70 05.0	70 57.5	69 30.0	70 23.5	71 55.8	70 04.2	71 19.0	70 23.0	70 34.8	
28 21	A. 2	—	-70 06.5	-71 01.5	-68 56.5	-70 41.2	-71 48.2	-70 18.0	-71 05.0	-70 46.5	-70 35.4	
June.												-70 35.3
1 3	A. 2	—	-70 01.5	-71 02.0	-69 02.5	-70 31.0	-71 57.5	-69 50.0	-71 16.5	-70 20.0	-70 30.2	
4 21	A. 2	—	70 22.0	70 41.5	68 58.5	70 37.5	71 55.0	69 48.0	71 12.5	70 56.5	70 33.9	
8 3	A. 2	—	70 25.0	70 58.0	69 26.5	70 42.5	71 50.0	70 16.0	71 14.0	70 42.5	70 41.8	
11 21	A. 2	—	70 35.0	70 40.0	69 26.8	70 21.8	71 49.0	70 13.5	71 11.0	70 22.0	70 34.9	
15 3	A. 2	—	70 32.5	70 51.5	70 04.5	70 18.0	71 05.5	70 25.0	70 50.5	70 52.5	70 37.5	
18 21	A. 2	—	69 57.0	70 54.5	69 05.5	70 40.0	71 33.8	70 08.5	71 00.0	70 34.5	70 29.2	
22 3	A. 2	—	70 18.5	71 15.5	69 24.0	70 46.5	71 20.0	69 46.2	71 07.5	70 40.0	70 34.8	
25 21	A. 2	—	70 15.0	70 58.5	69 29.0	70 40.5	71 23.5	69 49.0	70 50.0	70 14.0	70 27.4	
29 3	A. 2	—	-70 47.5	-71 06.5	-69 36.0	-71 18.5	-71 34.0	-70 23.5	-71 20.5	-70 53.5	-70 52.5	

^a Good Friday.

Observations of Inclination made on Tuesdays and Fridays about four hours before and four hours after Noon.

Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Inclination.	Monthly Means.
			Face of Needle.				Face of Needle.					
			Direct.		Reversed.		Direct.		Reversed.			
			α	α'	α''	α'''	β	β'	β''	β'''		
1849.												
D. H.		° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
July.		0 & 180										
2 21	A. 2	—	-70 24.5	-70 49.5	-69 16.5	-70 30.5	-71 51.0	-69 51.0	-71 50.5	-70 44.5	-70 39.7	-70 39.2
6 3	A. 2	—	70 20.0	70 47.5	69 20.0	70 39.0	72 13.5	69 21.5	71 23.5	70 48.0	70 36.6	
9 21	A. 2	—	70 28.0	71 00.5	69 16.0	71 13.5	72 15.8	69 29.5	71 09.0	70 45.0	70 42.2	
13 3	A. 2	—	70 18.5	70 43.5	69 37.0	70 49.0	71 41.8	70 01.0	71 32.0	70 31.5	70 39.3	
16 21	A. 2	—	69 42.5	71 02.5	69 21.2	70 53.5	71 47.5	69 59.8	71 22.0	70 18.0	70 33.4	
20 3	A. 2	—	70 05.0	71 09.0	69 08.8	70 42.5	72 27.0	69 27.5	71 36.5	70 10.0	70 35.8	
27 3	A. 2	—	70 16.5	71 08.5	69 21.5	70 48.5	71 50.5	70 03.0	71 09.5	70 35.5	70 39.2	
31 21	A. 2	—	-70 26.5	-71 06.5	-70 29.5	-70 40.5	-71 27.0	-70 27.5	-71 07.5	-70 37.5	-70 47.8	
August.												
3 3	A. 2	—	-71 37.0	-69 58.0	-70 54.5	-70 33.5	-70 14.0	-70 44.0	-69 47.5	-70 37.0	-70 33.2	-70 36.8
6 21	A. 2	—	70 11.0	70 54.0	69 36.0	70 45.0	71 25.0	69 56.0	70 48.0	70 05.0	70 27.5	
10 3	A. 2	—	70 21.0	70 53.5	70 04.0	70 55.5	71 35.5	70 05.5	71 20.5	70 41.5	70 44.6	
13 21	A. 2	—	69 40.5	71 41.5	71 12.5	69 08.5	71 41.5	70 18.5	71 23.5	70 34.5	70 42.6	
17 3	A. 2	—	70 36.0	70 57.0	69 40.0	70 21.0	71 40.0	70 11.5	71 21.5	70 26.5	70 39.4	
20 21	A. 2	—	70 29.0	70 47.0	69 55.2	69 54.8	71 15.0	70 26.0	70 59.0	70 47.5	70 34.2	
24 3	A. 2	—	69 53.2	71 00.0	69 18.2	70 16.0	71 12.5	70 44.0	71 17.5	70 43.0	70 33.1	
27 21	A. 2	—	69 55.0	71 06.0	69 20.0	70 35.0	71 57.5	69 55.5	71 45.0	70 37.0	70 38.9	
31 3	A. 2	—	-69 14.5	-71 29.5	-69 17.5	-71 02.2	-72 05.0	-70 00.0	-71 43.0	-70 22.7	-70 39.3	
September.												
3 21	A. 2	—	-70 09.0	-71 25.0	-69 36.5	-71 00.0	-71 38.0	-70 02.0	-71 42.0	-70 03.0	-70 41.9	-70 36.1
7 3	A. 2	—	70 32.5	70 07.5	70 21.5	70 48.5	71 18.5	70 14.5	71 09.0	70 41.5	70 39.2	
10 21	A. 2	—	70 09.5	70 53.5	70 17.5	71 04.5	71 42.5	70 19.5	71 19.5	70 39.5	70 48.2	
14 3	A. 2	—	69 57.5	71 13.0	68 43.5	70 51.0	71 43.0	70 04.0	71 03.0	70 37.0	70 31.5	
17 21	A. 2	—	69 55.0	71 07.0	68 45.0	70 52.5	71 39.5	69 58.0	71 08.0	70 31.5	70 29.6	
21 3	A. 2	—	70 12.0	70 56.0	69 31.0	70 35.5	71 36.0	70 03.5	71 11.0	70 28.0	70 34.1	
24 21	A. 2	—	70 03.5	71 02.0	69 20.0	70 33.3	71 28.0	70 07.5	71 21.0	70 28.5	70 33.0	
28 3	A. 2	—	-69 55.0	-71 03.0	-69 12.2	-70 46.2	-71 30.0	-70 10.0	-71 09.0	-70 28.0	-70 31.7	
October.												
1 21	A. 2	—	-69 51.0	-71 16.0	-69 12.5	-70 47.5	-71 50.5	-69 53.5	-71 16.0	-70 13.0	-70 32.5	-70 34.4
5 3	A. 2	—	69 34.0	71 06.0	68 57.5	70 38.5	71 41.5	70 01.8	71 25.0	70 13.0	70 27.2	
8 21	A. 2	—	70 15.5	71 12.8	69 26.5	70 59.5	71 41.5	70 08.8	71 34.0	70 32.5	70 43.9	
12 3	A. 2	—	70 13.2	71 07.0	68 57.5	70 39.0	71 40.0	69 57.5	71 13.0	70 25.0	70 31.5	
15 21	A. 2	—	70 00.0	71 15.0	69 02.5	70 58.5	72 07.5	69 56.8	71 25.0	70 30.0	70 39.4	
19 3	A. 2	—	70 08.3	71 04.0	69 12.5	70 38.5	72 07.5	69 50.8	71 35.5	70 24.0	70 37.6	
22 21	A. 2	—	70 00.0	70 51.5	69 20.5	70 31.0	71 31.5	70 11.0	71 24.0	70 43.0	70 34.1	
26 3	A. 2	—	69 44.0	70 45.5	69 11.0	70 33.2	71 33.5	70 05.0	71 14.0	70 33.5	70 27.5	
29 21	A. 2	—	-69 48.0	-71 07.5	-69 13.8	-70 44.8	-72 14.2	-69 58.5	-71 33.0	-70 33.5	-70 39.2	
November.												
2 3	A. 2	—	-69 54.0	-71 10.5	-69 18.5	-70 44.5	-71 41.5	-70 20.0	-71 31.0	-70 09.5	-70 36.4	-70 37.0
5 21	A. 2	—	68 45.0	71 00.5	68 15.8	70 47.0	71 52.5	71 46.5	72 09.0	69 43.8	70 32.5	
9 3	A. 2	—	68 42.5	71 12.0	68 20.5	70 48.0	71 31.5	70 34.0	71 16.0	71 00.0	70 25.6	
12 21	A. 2	—	70 15.0	70 53.0	69 43.5	69 23.5	71 19.0	70 28.5	70 56.5	70 36.5	70 26.9	
16 3	A. 2	—	70 29.5	70 58.0	69 38.5	70 51.5	71 14.5	70 20.5	71 09.5	70 54.5	70 42.1	
19 21	A. 2	—	70 17.5	71 33.0	69 23.0	70 50.0	71 14.5	70 22.5	71 26.0	70 17.0	70 40.4	
23 3	A. 2	—	70 13.0	71 14.0	69 24.5	70 45.5	71 22.2	70 47.5	70 44.0	71 24.0	70 44.3	
26 21	A. 2	—	69 58.5	71 02.0	69 27.5	70 34.0	72 10.0	70 22.5	71 55.0	70 35.0	70 45.5	
30 3	A. 2	—	-69 41.0	-71 08.0	-69 26.5	-70 33.5	-72 27.5	-69 55.0	-71 47.0	-70 18.0	-70 39.6	
December.												
3 21	A. 2	—	-69 40.0	-70 52.5	-69 04.0	-70 43.5	-72 55.0	-69 47.5	-71 41.5	-70 17.0	-70 37.6	-70 37.7
7 3	A. 2	—	69 34.0	71 10.0	69 03.0	70 56.0	71 12.0	70 02.0	70 56.0	70 19.0	70 24.0	
10 21	A. 2	—	70 47.5	70 47.5	69 19.5	70 31.2	71 21.5	70 26.2	71 02.5	70 16.0	70 34.0	
14 3	A. 2	—	70 35.5	70 54.5	69 31.0	70 37.5	71 50.0	70 11.2	70 56.0	70 40.0	70 39.5	
18 21	A. 2	—	70 24.5	71 04.8	69 32.5	70 42.5	71 32.0	70 34.5	71 08.5	71 05.5	70 45.5	
21 3	A. 2	—	70 25.0	70 46.0	69 36.5	70 38.0	71 42.5	70 15.0	71 25.0	70 45.0	70 41.6	
28 3	A. 2	—	70 21.5	70 48.5	69 20.5	70 49.5	71 22.5	70 32.5	71 31.5	70 59.5	70 43.2	
31 21	A. 2	—	-70 22.5	-70 46.2	-70 10.5	-70 44.5	-70 25.5	-70 23.8	-71 10.5	-70 46.5	-70 36.2	

Observations of Inclination made on Tuesdays and Fridays about four hours before and four hours after Noon.

Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Inclination.	Monthly Means.
			Face of Needle.				Face of Needle.					
			Direct.		Reversed.		Direct.		Reversed.			
			α	α'	α''	α'''	β	β'	β''	β'''		
1850.												
January.												
D.	H.											
4	3	A. 2	0 & 180	-69 24'0	-70 56'0	-69 35'0	-70 44'0	-71 24'0	-70 03'0	-70 51'0	-70 33'0	-70 26'2
7	21	A. 2	—	69 23'0	70 57'0	69 24'0	70 35'0	71 38'0	69 25'0	70 57'0	70 14'0	70 19'1
11	3	A. 2	—	70 22'5	70 56'5	69 29'5	70 29'5	71 15'5	70 01'5	70 55'5	70 42'5	70 31'6
14	21	A. 2	—	70 30'5	70 50'5	69 45'5	70 37'5	71 15'5	70 08'5	70 50'0	70 39'0	70 34'6
18	3	A. 2	—	69 25'0	70 48'0	68 48'0	70 44'0	71 30'0	70 07'5	71 23'0	70 38'0	70 25'4
21	21	A. 2	—	70 05'0	70 42'0	68 43'5	71 38'0	71 48'5	69 44'0	71 11'0	70 30'0	70 32'7
25	3	A. 2	—	69 55'0	70 52'0	69 23'5	70 53'2	72 16'5	70 36'5	71 36'0	71 00'0	70 49'1
28	21	A. 2	—	-70 03'0	-70 48'5	-69 26'8	-70 48'5	-71 49'5	-70 06'0	-71 34'0	-70 42'5	-70 39'8
February.												
1	3	A. 2	—	-69 41'0	-71 11'0	-68 46'5	-70 57'8	-71 50'0	-70 06'0	-71 25'0	-70 40'5	-70 34'7
4	21	A. 2	—	69 16'0	70 58'0	68 31'2	70 52'5	72 18'8	70 06'2	71 34'0	70 34'0	70 31'4
8	3	A. 2	—	69 38'8	70 56'0	68 28'0	70 48'5	72 26'5	70 11'5	71 37'5	70 45'0	70 36'5
11	21	A. 2	—	69 37'0	71 00'5	69 31'2	70 48'5	74 02'5	70 12'8	71 37'0	70 35'0	70 40'6
15	3	A. 2	—	69 31'5	71 01'0	68 46'5	70 57'5	72 06'5	70 01'0	71 38'5	70 35'0	70 34'7
18	21	A. 2	—	69 36'2	71 10'0	68 50'0	70 51'0	71 44'8	70 12'5	71 56'0	70 35'0	70 36'9
22	3	A. 2	—	69 12'0	71 04'0	68 27'5	71 09'0	71 46'5	70 26'5	71 41'5	70 47'0	70 34'6
25	21	A. 2	—	-70 00'5	-70 54'1	-69 26'5	-70 58'5	-71 41'5	-70 08'2	-71 25'5	-70 41'5	-70 39'6
March.												
1	3	A. 2	—	-69 45'0	-71 15'0	-69 06'5	-70 36'0	-71 42'5	-69 51'5	-71 38'0	-70 37'0	-70 33'9
4	21	A. 2	—	69 47'5	71 02'0	69 04'0	70 44'8	71 56'0	69 46'5	71 23'5	70 41'0	70 33'2
8	3	A. 2	—	69 37'5	71 08'0	68 56'5	70 36'2	72 06'0	70 15'0	71 19'0	70 16'0	70 31'8
11	21	A. 2	—	69 50'0	71 11'0	68 38'5	70 55'0	72 26'5	69 46'0	71 44'0	70 34'0	70 38'1
15	3	A. 2	—	69 25'0	70 48'5	69 01'5	70 52'2	72 18'8	69 46'5	70 46'0	70 26'5	70 33'1
18	21	A. 2	—	69 25'0	70 57'0	69 18'2	70 50'0	72 01'2	70 07'5	71 35'0	70 35'0	70 36'1
22	3	A. 2	—	69 21'8	71 11'5	69 26'5	70 54'5	71 55'2	70 11'5	71 33'0	70 49'0	70 40'4
25	21	A. 2	—	-69 35'0	-71 06'0	-69 14'8	-70 52'5	-71 39'0	-70 31'5	-71 25'0	-70 43'8	-70 38'4
April.												
1	21	A. 2	—	-69 44'0	-70 59'5	-69 06'5	-70 46'0	-71 49'0	-70 18'8	-71 40'0	-70 44'0	-70 38'9
5	3	A. 2	—	70 08'5	71 02'5	69 29'5	71 12'5	71 54'5	70 05'5	71 39'5	70 31'5	70 45'5
8	21	A. 2	—	70 11'5	71 08'5	69 31'5	71 12'5	71 32'5	70 01'5	71 31'5	70 22'5	70 41'3
12	3	A. 2	—	69 56'0	71 31'0	69 43'0	70 42'5	71 35'0	69 45'5	71 38'5	69 56'0	70 28'4
15	21	A. 2	—	69 34'0	70 53'0	69 31'0	70 33'5	71 33'7	69 25'0	71 13'0	69 48'0	70 18'9
19	3	A. 2	—	70 12'5	71 00'5	69 39'5	71 03'5	71 49'5	70 14'5	71 15'5	70 54'5	70 46'4
22	21	A. 2	—	70 03'5	71 04'5	69 09'0	70 45'5	71 48'5	69 57'6	71 16'5	70 28'5	70 34'2
26	3	A. 2	—	69 30'0	71 15'4	69 25'0	70 43'5	71 32'0	70 20'0	71 27'0	70 08'0	70 32'6
29	21	A. 2	—	-69 47'0	-71 10'0	-69 45'0	-70 56'0	-71 30'0	-69' 47'0	-71 08'0	-70 32'0	-70 34'4
May.												
3	3	A. 2	—	-69 41'5	-70 59'0	-69 26'5	-70 42'0	-71 32'0	-70 15'0	-71 12'0	-70 01'5	-70 28'7
6	21	A. 2	—	69 22'0	71 21'5	69 31'5	70 57'0	71 40'0	69 56'5	71 30'5	70 21'0	70 35'0
10	3	A. 2	—	69 46'0	71 20'0	69 05'6	70 51'0	71 56'0	69 40'0	71 49'0	70 10'0	70 34'7
13	21	A. 2	—	69 43'5	71 02'5	69 19'5	70 58'5	71 50'5	70 16'5	71 21'5	70 39'5	70 39'0
17	3	A. 2	—	69 48'0	71 03'0	69 36'0	71 04'0	71 45'0	70 02'5	71 12'5	70 11'0	70 35'3
20	21	A. 2	—	69 49'0	70 49'0	69 25'2	70 36'5	71 46'5	70 06'5	71 06'8	70 29'0	70 31'1
24	3	A. 2	—	69 57'5	70 48'5	69 14'0	70 46'5	72 18'5	69 55'0	71 19'0	70 28'0	70 35'9
27	21	A. 2	—	69 56'0	70 49'0	69 17'5	70 43'5	72 07'5	69 53'5	71 28'0	70 35'0	70 26'2
31	3	A. 2	—	-69 35'0	-71 10'0	-69 01'5	-70 40'0	-72 08'8	-70 01'8	-71 33'0	-70 44'5	-70 36'8
June.												
3	21	A. 2	—	-69 47'0	-71 04'0	-68 43'5	-70 46'2	-72 06'5	-70 00'5	-71 26'0	-70 20'0	-70 31'7
7	2	A. 2	—	69 49'0	71 08'0	69 27'5	71 02'0	72 00'5	69 47'2	71 34'5	70 17'5	70 38'3
10	21	A. 2	—	69 42'0	71 03'5	69 09'2	70 59'0	71 38'8	70 03'8	70 52'0	70 28'5	70 29'8
14	3	A. 2	—	69 17'0	70 54'0	69 02'8	70 40'0	71 37'5	70 09'0	71 32'0	70 48'0	70 30'0
17	21	A. 2 ^a	—	70 06'0	71 16'0	69 21'5	70 43'5	71 42'0	70 06'5	71 30'0	70 40'0	70 40'7
21	4	A. 1	—	72 30'0	73 16'2	73 35'2	72 24'8	67 04'5	68 41'0	68 51'0	67 47'2	70 31'2 ^b
24	21	A. 1	—	72 32'5	73 07'0	73 32'5	72 12'2	67 05'0	68 41'5	68 56'5	67 48'0	70 29'4 ^b
28	3	A. 1	—	-72 41'5	-73 44'5	-73 33'8	-72 19'0	-67 10'0	-68 39'0	-69 05'0	-67 41'5	-70 36'8 ^b

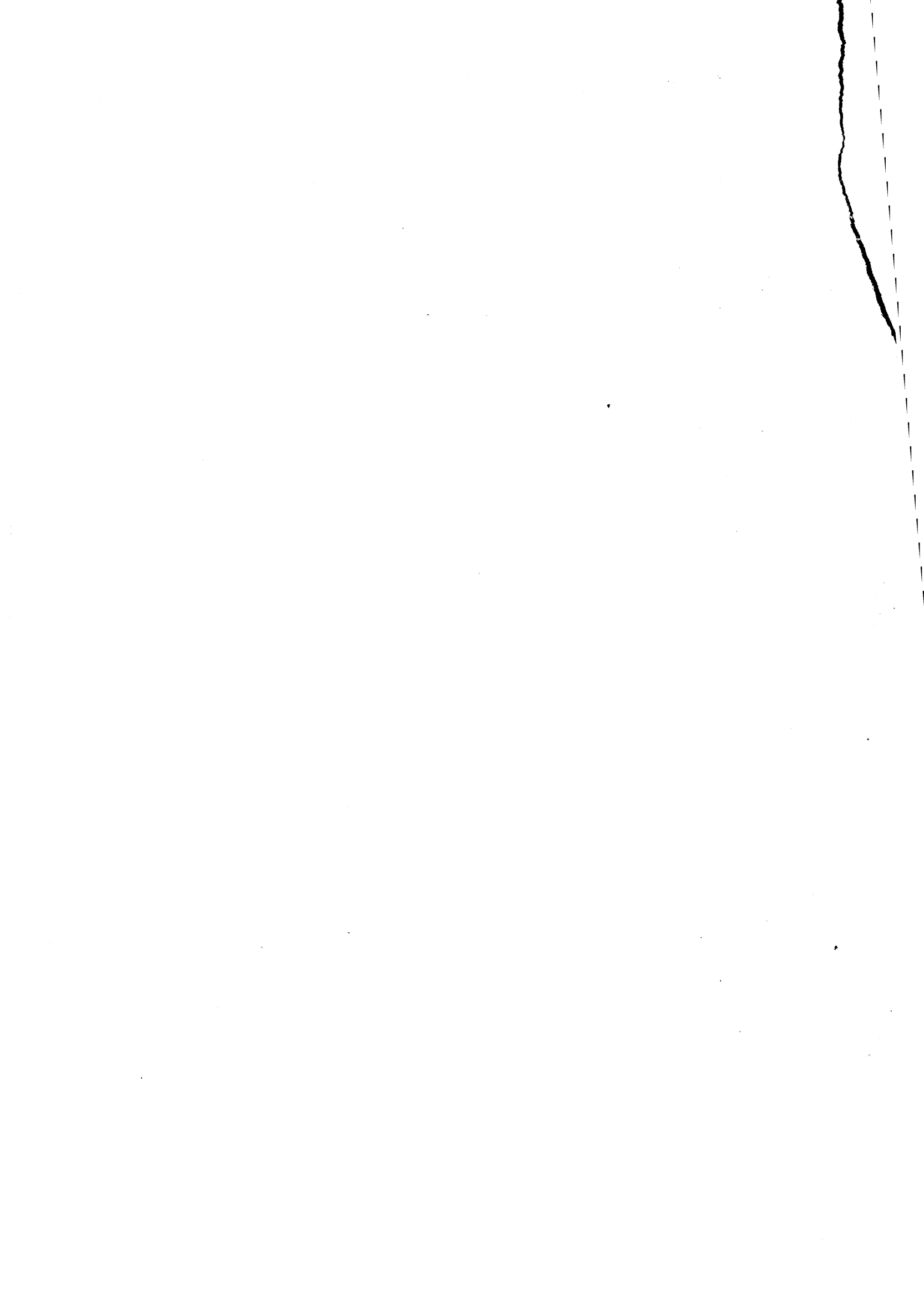
^a In reversing the poles of the needle A. 2 this afternoon it fell to the ground and snapped into three pieces.
^b Not included in the monthly mean.

Observations of Inclination made on Tuesdays and Fridays about four hours before and four hours after Noon.

Van Diemen Island Time.	Needle. No. or Mark.	Azimuth.	Poles Direct.				Poles Reversed.				Inclination.	Monthly Means.
			Face of Needle.				Face of Needle.					
			Direct.		Reversed.		Direct.		Reversed.			
			α	α'	α''	α'''	β	β'	β''	β'''		
1850.												
D. H.		° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
July.		0 & 180	-72 48.0	-74 14.0	-73 32.5	-72 17.5	-66 54.0	-68 41.5	-68 55.0	-67 49.5	-70 39.0 ^a	
1 21	A. 1	—	72 54.0	74 00.5	73 44.0	73 03.8	66 25.0	67 54.2	68 14.0	67 11.5	70 26.0 ^a	
5 3	A. 1	—	72 21.8	73 23.0	73 45.0	73 07.5	66 20.0	67 42.5	67 59.0	67 00.0	70 12.5 ^a	
8 21	A. 1	—	72 27.5	73 30.5	73 38.5	72 31.0	66 21.5	67 27.5	68 50.0	67 46.0	70 19.1 ^a	
12 ^b 3	A. 1	—	70 39.0	70 38.0	70 40.0	71 00.0	70 04.0	71 02.0	70 39.0	70 34.0	70 39.5	
15 21	A. 1	—	70 37.2	70 43.0	71 03.0	70 31.2	70 06.0	71 05.0	70 35.0	70 31.5	70 39.0	
19 3	A. 1	—	70 41.2	70 36.0	71 10.0	70 19.0	70 05.0	71 02.0	70 36.5	70 34.0	70 37.9	
22 21	A. 1	—	70 42.5	70 42.0	71 09.0	70 22.8	70 06.5	70 57.5	70 37.5	70 32.5	70 38.8	
26 3	A. 1	—	-70 40.0	-70 40.5	-71 01.0	-70 23.0	-70 07.5	-70 58.0	-70 43.0	-70 31.0	-70 38.0	
29 21	A. 1	—										-70 38.6
August.												
2 3	A. 1	—	-70 36.0	-70 41.5	-71 02.5	-70 19.0	-70 04.0	-71 05.0	-70 31.0	-70 32.5	-70 36.4	
5 21	A. 1	—	70 30.2	70 41.5	70 56.0	70 18.5	70 05.0	71 05.0	70 36.0	70 36.0	70 36.0	
9 3	A. 1	—	70 33.0	70 44.0	70 57.8	70 18.5	70 06.0	71 01.0	70 35.0	70 27.0	70 35.3	
12 21	A. 1	—	70 37.0	70 37.5	71 06.0	70 15.5	70 10.5	71 01.5	70 22.5	70 44.0	70 36.8	
16 3	A. 1	—	70 37.0	70 43.0	71 02.5	70 17.5	70 12.2	71 05.0	70 34.0	70 37.0	70 38.5	
19 21	A. 1	—	70 38.0	70 39.0	71 02.0	70 20.0	70 32.5	71 01.0	70 31.0	70 34.5	70 39.8	
23 3	A. 1	—	70 37.0	70 36.0	70 56.0	70 14.0	70 03.0	70 52.0	70 37.0	70 31.5	70 40.8	
26 21	A. 1	—	70 38.5	70 31.0	71 04.0	70 16.0	70 17.5	71 01.5	70 38.0	70 33.0	70 36.2	
30 3	A. 1	—	-70 31.5	-70 37.5	-70 56.0	-70 21.5	-70 05.2	-70 59.0	-70 39.0	-70 24.0	-70 34.2	
September.												
2 21	A. 1	—	-70 31.0	-70 46.0	-71 00.0	-70 21.0	-70 03.5	-71 00.0	-70 38.0	-70 27.0	-70 35.8	
6 3	A. 1	—	70 36.0	70 40.0	70 58.0	70 18.0	70 14.0	70 54.5	70 32.0	70 25.0	70 34.7	
9 21	A. 1	—	70 33.0	70 43.0	71 01.0	70 17.5	70 09.0	70 57.0	70 43.0	70 26.0	70 36.2	
13 3	A. 1	—	70 31.5	70 44.0	71 02.0	70 19.5	70 01.0	70 55.0	70 41.0	70 26.0	70 35.0	
16 21	A. 1	—	70 31.0	70 44.0	71 01.0	70 24.8	70 02.0	70 57.5	70 40.2	70 28.5	70 36.1	
20 3	A. 1	—	70 30.0	70 43.2	71 03.0	70 21.0	70 01.0	70 56.5	70 41.0	70 23.0	70 34.9	
23 21	A. 1	—	70 30.0	70 40.0	71 00.5	70 22.8	70 03.0	70 58.0	70 41.5	70 25.0	70 35.1	
27 3	A. 1	—	70 29.0	70 45.0	70 59.0	70 23.0	70 01.0	71 01.0	70 42.0	70 24.0	70 35.5	
30 21	A. 1	—	-70 33.0	-70 39.0	-70 58.0	-70 20.0	-70 01.0	-71 02.0	-70 40.0	-70 34.0	-70 35.9	
October.												
4 3	A. 1	—	-70 32.0	-70 48.5	-71 02.5	-70 23.5	-70 06.0	-71 01.0	-70 42.0	-70 27.0	-70 37.8	
7 21	A. 1	—	70 35.7	70 44.0	71 00.0	70 21.0	70 04.0	70 58.5	70 41.0	70 26.0	70 36.3	
11 3	A. 1	—	70 35.5	70 41.5	70 53.0	70 23.5	70 11.8	70 55.5	70 41.2	70 26.0	70 36.0	
14 21	A. 1	—	70 30.0	70 38.5	71 03.5	70 21.0	70 11.5	70 56.0	70 41.0	70 25.0	70 35.8	
18 3	A. 1	—	70 28.0	70 48.0	70 58.5	70 25.0	70 08.0	71 01.5	70 39.8	70 25.0	70 36.7	
21 21	A. 1	—	70 32.0	70 41.0	71 01.0	70 19.0	70 05.0	71 01.5	70 39.5	70 34.5	70 36.7	
25 3	A. 1	—	70 28.5	70 42.8	70 59.0	70 16.0	70 08.0	70 53.0	70 39.5	70 21.0	70 33.5	
28 21	A. 1	—	-70 30.0	-70 42.5	-71 01.0	-70 20.0	-70 12.5	-70 52.0	-70 41.0	-70 20.0	-70 34.9	
November.												
1 3	A. 1	—	-70 34.5	-70 37.5	-70 55.5	-70 20.0	-70 09.0	-70 59.0	-70 41.0	-70 23.0	-70 34.9	
4 21	A. 1	—	70 32.0	70 47.0	70 59.0	70 21.0	70 13.0	70 58.5	70 42.5	70 31.0	70 38.0	
8 3	A. 1	—	70 26.0	70 49.0	71 00.0	70 15.5	70 03.0	70 59.0	70 38.0	70 23.0	70 34.2	
11 21	A. 1	—	70 30.0	70 39.0	71 03.0	70 22.5	70 01.0	71 03.5	70 42.5	70 24.0	70 35.7	
15 3	A. 1	—	70 27.5	70 46.0	71 00.0	70 21.8	70 02.0	71 02.0	70 38.0	70 25.0	70 35.3	
18 21	A. 1	—	70 32.0	70 45.8	71 01.0	70 19.5	70 02.0	71 05.8	70 40.5	70 30.0	70 37.1	
22 4	A. 1	—	70 31.5	70 40.5	70 58.5	70 20.0	70 05.0	70 58.2	70 39.0	70 25.0	70 39.2	
25 21	A. 1	—	70 30.5	70 45.5	70 55.0	70 22.0	70 11.0	70 50.8	70 40.0	70 28.0	70 35.3	
29 3	A. 1	—	-70 28.0	-70 43.0	-70 52.0	-70 18.0	-70 00.0	-70 59.5	-70 42.0	-70 26.0	-70 33.6	
December.												
2 21	A. 1	—	-70 31.0	-70 44.5	-70 50.0	-70 18.5	-69 56.0	-71 01.5	-70 42.5	-70 28.0	-70 34.0	
6 3	A. 1	—	70 26.5	70 35.0	70 52.5	70 09.5	70 01.5	70 53.0	70 41.5	70 23.5	70 35.4	
9 21	A. 1	—	70 32.5	70 35.0	71 01.5	70 10.5	70 04.5	70 54.0	70 42.0	70 24.0	70 33.0	
13 3	A. 1	—	70 29.5	70 39.0	70 58.5	70 17.5	69 59.5	71 06.5	70 41.0	70 20.0	70 34.0	
16 21	A. 1	—	70 26.5	70 47.5	71 01.5	70 15.2	70 01.0	71 10.5	70 42.0	70 23.5	70 36.0	
20 3	A. 1	—	70 25.0	70 46.0	71 01.0	70 19.0	70 00.0	71 10.0	70 42.0	70 23.0	70 35.8	
23 21	A. 1	—	70 27.5	70 43.0	70 59.5	70 16.5	70 06.0	70 57.8	70 42.5	70 23.0	70 34.5	
27 3	A. 1	—	70 25.0	70 42.0	70 59.5	70 09.8	70 02.0	71 01.5	70 41.0	70 23.5	70 33.0	
30 21	A. 1	—	-70 30.0	-70 46.5	-71 02.0	-70 20.0	-70 07.0	-71 03.0	-70 42.0	-70 26.0	-70 37.1	

^a Not included in the monthly mean.

^b From this date (12th July) the spare dip circle by Robinson, of precisely similar dimensions with the old one, with a needle marked A. 1 (new), was employed. The observations with the old circle and needle A. 1 (old) gave such wide readings and discordant results that its use was altogether discontinued.



VAN DIEMEN'S ISLAND.

ABSOLUTE HORIZONTAL FORCE,

1848, 1849, and 1850.

OBSERVATIONS

OF THE

ABSOLUTE HORIZONTAL FORCE AT THE HOBARTON OBSERVATORY.

The following table contains the details of the observations of absolute horizontal intensity made at Hobarton between January 1848 and December 1850. When transmitted from the Observatory to Woolwich the observations were accompanied by the results computed independently for each of the two distances 1.2 and 1.4 feet. As a systematic difference was shown by the observations at the two distances the results have been recomputed by Captain Younghusband, using the formula for two distances to be substituted when the proximity of the two magnets require its employment. The subjoined explanatory memorandum has been supplied by Captain Younghusband.

“The observations were made on three days in each month during the year 1848, and weekly during 1849 and 1850. The same deflecting magnet was used throughout; and until June 1850 the same magnet, I. 18, was suspended in the Unifilar; at that time a magnet similar in all respects, marked I. 1, appears to have been substituted for I. 18, and to have been employed during the remainder of the year. The deflecting magnet was placed at two distances from the suspended magnet, 1.2 and 1.4 feet between their centres, and the coefficient P has been calculated from all the observations made with the same magnets by the formula

$$P = - \frac{r^2 r_1^5 \tan u' - r_1^2 r^5 \tan u}{r_1^5 \tan u' - r^5 \tan u};$$

the mean value of P has been found = + .0067.

“The occurrence of a positive sign in this coefficient is very unusual, but the partial means fully bear out the result. The series of observations was divided into 5 groups, each group containing the observations made on 26 days, from whence the separate values of P were deduced as follows:—

From group 1, ..	P = + .0053
„ 2, ..	P = + .0088
„ 3, ..	P = + .0067
„ 4, ..	P = + .0044
„ 5, ..	P = + .0083

$$\text{Mean } P = + \underline{\underline{.0067}}$$

“It does not appear that the substitution of a new suspended magnet would render necessary an alteration in the value of P in the calculation of the few observations in which the second suspended magnet I. 1 was used; from these observations the value of P has been

found = + .0046; the distribution of free magnetism in the suspended and deflecting magnets appears therefore to be nearly the same in both cases; and it has been considered preferable to employ the value of P deduced from the great bulk of the observations in calculating the whole, rather than to introduce a value found from a smaller number. The values of $\frac{m}{X}$ have accordingly been computed, employing the value of P = + .0067, by means of the formula

$$\frac{m}{X} = \frac{1}{2} r^3 \sin u \left(\frac{1}{1 + \frac{P}{r^2}} \right); \text{ and } \frac{m}{X} = \frac{1}{2} r'^3 \sin u' \left(\frac{1}{1 + \frac{P}{r'^2}} \right)$$

“ A correction has been introduced into the calculations for the expansion and contraction at different temperatures of the metal tube which carries the deflecting magnet. The graduation of the scale was assumed to be absolutely correct at a temperature 60°; if therefore we make r' = the recorded distance of the deflecting magnet, and t° the observed temperature at the time, the true distance r may be found by the formula

$$r = r' (1 + (t^\circ - 60^\circ) \times .00001)$$

.00001 being taken as the coefficient of expansion of the metal for 1° Faht. The introduction of this correction tends to increase the value of the observations as a relative series, but the absolute truth of the results must depend upon the graduation of the tube being positively exact at 60°; this can only be ascertained with sufficient accuracy when the instrument is returned to England; the error, if any, will then be taken into account in the final determination.

“ The values of $m X$ have been calculated by the formula

$$m X = \frac{\pi^2 K}{T^2}$$

“ Where $\log K = 0.35201$.

“ The quantity T^2 is derived from the observed time of a single vibration corrected for the rate of chronometer, torsion of thread, and changes of Horizontal Force and temperature between the experiments of deflection and vibration. The value of $\frac{dm}{m}$, which is the correction for the alteration which takes place in the magnetic moment of the bar in the two positions in which it is employed in the two parts of the experiment,—that of deflection and that of vibration,—not having yet been correctly ascertained for the magnet A. 23, has been altogether omitted. The amount is constant for the whole of the series.

“ There remains, therefore, to be obtained a more perfect knowledge of three quantities before the absolute value of the Horizontal Force at Hobarton can be regarded as finally determined, viz. the true length of the deflecting tube; the value of K for the deflecting magnet A. 23; and the value of $\frac{dm}{m}$ for A. 23.”

Magnets employed, I. 18, suspended, length 2'45 inches; A. 23, deflecting, length 3'00 inches.												
Mean Time at Van Diemen Island.			Experiments of Deflection.									
			Temperature of Magnet.	Distances. <i>r</i> & <i>r</i> ₁ .	Angles.			Bifilar Magnetometer.		Log. sines <i>u</i> and <i>u'</i> reduced to Temperature and Intensity at Deflecting Distance 1'4 feet.	Log. Values of $\frac{m}{X}$	
					<i>u</i> & <i>u'</i> .	Sc. Div.	Thermometer.					
D.	H.	M.	°	Feet.	°	'	"	°				
1848.												
January.	2	22	34	69°4	1'20	5	10	20	120°2	68°5	8°95496	8°88959
	2	22	36	69°4	1'40	3	15	05	120°2	68°6	8°75371	8°88971
	4	22	36	63°2	1'20	5	11	00	117°9	61°5	8°95594	8°89048
	4	22	39	63°1	1'40	3	15	33	117°4	61°3	8°75475	8°89066
	5	23	07	66°5	1'20	5	10	45	118°2	65°4	8°95566	8°89025
	5	23	08	66°6	1'40	3	15	21	116°6	65°4	8°75430	8°89027
February.	1	02	16	58°9	1'20	5	10	23	115°4	57°5	8°95503	8°88953
	1	02	19	58°5	1'40	3	15	15	115°7	57°5	8°75408	8°88994
	3	02	13	66°4	1'20	5	10	06	115°3	65°0	8°95459	8°88918
	3	02	13	66°7	1'40	3	14	57	115°7	65°0	8°75342	8°88938
	4	01	05	60°6	1'20	5	10	33	110°4	59°9	8°95529	8°88981
	4	01	06	60°4	1'40	3	15	32	110°2	60°0	8°75471	8°89060
March.	3	01	52	65°1	1'20	5	09	03	106°3	64°0	8°95318	8°88775
	3	01	53	64°9	1'40	3	13	59	106°3	64°0	8°75126	8°88719
	4	01	48	64°1	1'20	5	08	55	111°8	63°1	8°95300	8°88755
	4	01	48	64°0	1'40	3	14	06	111°7	63°1	8°75152	8°88744
	5	22	19	61°8	1'20	5	09	33	101°8	60°5	8°95390	8°88842
	5	22	20	61°9	1'40	3	14	22	101°3	60°6	8°75212	8°88802
April.	3	01	02	60°0	1'20	5	09	24	86°7	58°1	8°95348	8°88798
	3	01	03	60°1	1'40	3	14	23	89°1	58°1	8°75215	8°88803
	4	01	25	60°8	1'20	5	08	59	89°8	59°0	8°95314	8°88766
	4	01	26	60°8	1'40	3	14	06	88°9	59°2	8°75152	8°88740
	8	22	19	62°5	1'20	5	09	01	89°5	61°0	8°95313	8°88766
	8	22	19	62°5	1'40	3	14	05	89°4	61°0	8°75148	8°88739
May.	2	23	48	54°4	1'20	5	09	01	—	—	8°95312	8°88756
	2	23	52	54°7	1'40	3	14	03	—	—	8°75141	8°88721
	4	02	06	55°4	1'20	5	08	19	148°8	56°4	8°95216	8°88660
	4	02	08	55°4	1'40	3	13	48	148°6	56°4	8°75085	8°88666
	7	22	23	53°6	1'20	5	08	31	151°2	54°8	8°95236	8°88679
	7	22	25	53°6	1'40	3	13	52	152°0	54°8	8°75100	8°88679
June.	2	02	08	49°3	1'20	5	09	23	195°3	49°2	8°95365	8°88802
	2	02	09	49°4	1'40	3	13	45	195°0	49°3	8°75074	8°88647
	3	22	14	47°2	1'20	5	08	20	204°2	46°7	8°95217	8°88650
	3	22	16	47°3	1'40	3	13	57	204°1	46°6	8°75119	8°88689
	5	01	44	46°8	1'20	5	08	36	196°7	46°9	8°95249	8°88682
	5	01	44	46°9	1'40	3	13	42	197°3	47°0	8°75062	8°88633
July.	4	02	00	47°5	1'20	5	08	45	196°1	46°5	8°95269	8°88703
	4	02	02	47°7	1'40	3	13	52	196°7	46°6	8°75100	8°88671
	4	23	50	48°1	1'20	5	08	03	197°7	46°6	8°95295	8°88730
	4	23	51	48°0	1'40	3	13	52	195°5	46°7	8°75100	8°88671
	7	01	54	46°3	1'20	5	08	06	202°0	45°2	8°95261	8°88693
	7	01	53	46°4	1'40	3	13	32	204°7	45°2	8°75025	8°88595
August.	2	00	14	48°3	1'20	5	08	07	199°9	46°5	8°95282	8°88717
	2	00	17	48°2	1'40	3	13	29	199°6	46°6	8°75014	8°88586
	3	00	18	48°2	1'20	5	07	50	202°7	46°8	8°95147	8°88583
	3	00	16	48°3	1'40	3	13	28	202°5	46°8	8°75010	8°88583
	5	01	58	45°6	1'20	5	08	02	205°2	44°3	8°95268	8°88699
	5	01	56	45°6	1'40	3	13	29	206°0	44°4	8°75014	8°88582
September.	3	21	38	47°6	1'20	5	07	28	202°0	46°3	8°95091	8°88526
	3	21	36	47°9	1'40	3	13	19	202°2	46°2	8°74977	8°88548
	5	02	16	48°4	1'20	5	07	51	191°2	46°8	8°95150	8°88585
	5	02	14	48°4	1'40	3	13	36	191°0	46°9	8°75040	8°88612
	5	22	18	47°0	1'20	5	07	10	199°8	45°5	8°95051	8°88484
	5	22	20	47°1	1'40	3	13	14	199°9	45°6	8°74958	8°88528

Magnets employed, L. 18, suspended, length 2'45 inches; A. 23, deflecting, length 3'00 inches.											
Experiments of Vibration.							Results.			Monthly Means.	
Observed Time of one Vibration.	Rate of Chronometer.	Temp. of Magnet.	Value of $\frac{H}{F}$	Log. Values of $m X$.	Bifilar Magnetometer.		m .	X .	Observatory Bifilar at 40°.	Values of X .	Corresponding Reading of the Observatory Bifilar.
					Sc. Div.	Therm.					
Sec.	Sec.	°				°			Sc. Div.		Sc. Div.
3'757	-0'3	69'4	'000262	0'19645	120'4	68'8	0'34918	4'5020	167'0	} 4'4983	162'4
3'758	-0'3	64'4	'000262	0'19625	117'5	62'2	0'34946	4'4961	159'9		
3'757	-0'3	67'8	'000262	0'19605	123'4	66'4	0'34926	4'4967	160'2		
3'759	-0'3	59'0	'000262	0'19787	117'3	58'0	0'34979	4'5088	162'7	} 4'5046	164'3
3'759	-0'3	66'4	'000262	0'19757	121'0	65'3	0'34948	4'5117	169'8		
3'762	-0'3	61'1	'000262	0'19535	112'0	59'8	0'34896	4'4933	160'4		
3'764	-0'4	65'5	'000262	0'19464	110'1	64'5	0'34757	4'5038	168'9	} 4'5028	167'5
3'763	-0'4	64'8	'000262	0'19515	113'6	63'4	0'34779	4'5063	170'9		
3'766	-0'4	62'6	'000291	0'19430	102'9	61'3	0'34774	4'4982	162'8		
3'770	-0'2	60'6	'000291	0'19309	93'8	58'9	0'34717	4'4930	160'2	} 4'4938	160'5
3'772	-0'2	62'8	'000291	0'19277	92'5	61'0	0'34685	4'4938	159'5		
3'773	-0'2	62'8	'000291	0'19294	87'4	61'4	0'34692	4'4947	161'8		
3'772	-0'3	54'9	'000291	0'19310	a—	—	0'34693	4'4963	160'1	} 4'4996	164'5
3'769	-0'3	55'5	'000419	0'19326	151'5	56'3	0'34669	4'5010	165'9		
3'773	-0'3	53'9	'000419	0'19349	144'1	55'0	0'34685	4'5014	167'6		
3'773	0'0	49'6	'000419	0'19262	196'9	49'9	0'34668	4'4945	163'9	} 4'4978	164'7
3'772	0'0	47'8	'000419	0'19344	198'9	47'5	0'34679	4'5016	167'0		
3'773	0'0	47'6	'000419	0'19251	200'1	48'1	0'34637	4'4974	163'2		
3'773	0'0	48'2	'000419	0'19251	200'1	47'0	0'34649	4'4959	161'4	} 4'4963	162'1
3'774	0'0	48'0	'000419	0'19216	200'4	47'2	0'34639	4'4934	160'4		
3'772	0'0	46'8	'000419	0'19282	205'1	45'7	0'34643	4'4997	164'4		
3'776	0'0	48'6	'000384	0'19208	199'7	47'2	0'34617	4'4955	162'9	} 4'4987	164'6
3'775	0'0	49'1	'000384	0'19244	200'5	47'2	0'34604	4'5009	165'2		
3'773	0'0	45'8	'000384	0'19280	205'9	44'8	0'34642	4'4998	165'6		
3'774	-1'0	47'9	'000422	0'19296	197'9	46'5	0'34607	4'5060	168'1	} 4'5025	165'1
3'776	-1'0	48'2	'000422	0'19183	193'5	47'0	0'34586	4'4969	161'1		
3'775	-1'0	47'7	'000422	0'19237	198'7	46'1	0'34531	4'5045	166'1		

^a Small Bifilar out of adjustment.

Magnets employed, I. 18, suspended, length 2' 45 inches; A. 23, deflecting, length 3' 00 inches.												
Mean Time at Van Diemen Island.			Experiments of Deflection.									
			Temperature of Magnet.	Distances. r & r_1 .	Angles. u & u' .			Bifilar Magnetometer. Sc. Div. Thermometer.		Log. sines u and u' reduced to Temperature and Intensity at Deflecting Distance 1' 4 feet.	Log. Values of $\frac{m}{X}$	
1848.												
October.	D.	H.	M.	°	Feet.	°	'	"		°		
	3	23	31	50.7	1.20	5	07	21	188.1	49.2	8.95074	8.88513
	3	23	32	50.8	1.40	3	13	07	188.5	49.2	8.74932	8.88507
	10	23	36	58.4	1.20	5	07	06	178.6	56.5	8.95040	8.88488
	10	23	37	58.3	1.40	3	13	12	179.0	56.5	8.74950	8.88536
24	23	02	55.2	1.20	5	07	07	202.2	52.8	8.95042	8.88487	
24	23	04	55.5	1.40	3	13	20	202.4	53.0	8.74980	8.88562	
November.	1	01	55	57.8	1.20	5	06	27	215.8	56.2	8.94948	8.88395
	1	01	54	57.4	1.40	3	12	37	216.4	56.2	8.74819	8.88404
	8	03	32	62.2	1.20	5	05	20	222.5	60.2	8.94797	8.88251
	8	03	30	61.7	1.40	3	11	52	222.3	60.2	8.74650	8.88239
	15	00	41	60.5	1.20	5	06	18	208.6	59.3	8.94922	8.88374
	15	00	42	60.4	1.40	3	12	26	208.7	59.3	8.74778	8.88366
	22	00	45	60.6	1.20	5	06	46	193.8	59.3	8.94998	8.88449
	22	00	49	60.7	1.40	3	13	02	193.5	59.4	8.74913	8.88501
28	23	00	55.6	1.20	5	07	14	191.3	54.2	8.95057	8.88502	
28	23	01	55.8	1.40	3	13	05	191.7	54.3	8.74924	8.88506	
December.	6	01	23	54.7	1.20	5	05	42	217.6	53.3	8.94842	8.88285
	6	01	22	55.0	1.40	3	12	08	217.8	53.1	8.74710	8.88291
	13	00	37	64.6	1.20	5	05	30	197.2	63.3	8.94830	8.88286
	13	00	39	64.4	1.40	3	11	58	195.7	63.2	8.74673	8.88266
	19	21	21	61.0	1.20	5	06	00	195.0	60.4	8.94886	8.88337
	19	21	23	61.2	1.40	3	12	13	195.6	60.4	8.74729	8.88318
	27	03	04	59.5	1.20	5	05	16	200.3	58.5	8.94799	8.88248
27	03	04	59.6	1.40	3	12	03	198.4	58.5	8.74691	8.88278	
1849.												
January.	3	02	55	62.0	1.20	5	05	08	214.0	61.0	8.94768	8.88221
	3	02	56	62.0	1.40	3	10	54	213.6	61.0	8.74441	8.88031
	10	00	37	65.5	1.20	5	05	26	191.0	62.5	8.94805	8.88262
	10	00	38	65.2	1.40	3	11	43	191.5	62.0	8.74616	8.88210
	17	02	03	59.6	1.20	5	05	27	193.8	57.8	8.94806	8.88255
	17	02	03	59.6	1.40	3	11	32	194.2	57.8	8.74574	8.88161
	24	03	06	63.5	1.20	5	04	11	197.6	61.7	8.94648	8.88103
	24	03	10	63.3	1.40	3	11	14	195.5	61.8	8.74506	8.88099
31	00	46	67.2	1.20	5	04	34	179.4	64.9	8.94673	8.88132	
31	00	46	67.2	1.40	3	11	27	180.8	65.0	8.74556	8.88152	
February.	7	01	32	66.3	1.20	5	04	03	188.6	63.9	8.94612	8.88070
	7	01	31	66.5	1.40	3	10	58	188.3	64.0	8.74446	8.88042
	14	02	57	60.2	1.20	5	04	22	188.6	58.8	8.94657	8.88108
	14	02	57	60.0	1.40	3	11	03	188.5	58.8	8.74465	8.88052
	21	02	56	61.5	1.20	5	04	05	184.2	59.7	8.94619	8.88070
	21	02	55	61.7	1.40	3	11	12	183.6	59.7	8.74499	8.88088
28	08	48	60.6	1.20	5	04	53	169.3	57.8	8.94740	8.88191	
28	08	49	60.7	1.40	3	11	50	167.9	57.7	8.74642	8.88131	
March.	7	01	32	64.6	1.20	5	03	46	178.2	64.0	8.94573	8.88029
	7	01	31	64.6	1.40	3	11	16	177.9	64.2	8.74514	8.88107
	14	01	47	59.5	1.20	5	03	59	181.1	58.4	8.94605	8.88054
	14	01	45	59.6	1.40	3	11	00	180.6	58.4	8.74454	8.88040
	21	02	17	57.0	1.20	5	04	13	177.7	56.8	8.94638	8.88085
	21	02	15	57.0	1.40	3	11	17	177.2	56.9	8.74518	8.88101
	28	00	46	57.7	1.20	5	04	01	178.7	58.7	8.94603	8.88050
28	00	44	57.8	1.40	3	10	56	179.0	57.8	8.74439	8.88023	
April.	4	03	35	52.4	1.20	5	04	15	183.7	52.4	8.94637	8.88077
	4	03	34	52.5	1.40	3	11	13	183.9	52.4	8.74503	8.88080
	11	02	36	56.0	1.20	5	03	14	183.9	55.8	8.94484	8.87929
	11	02	36	56.0	1.40	3	11	05	185.1	56.0	8.74472	8.88055
	17	23	47	50.8	1.20	5	04	24	177.9	50.4	8.94660	8.88098
	17	23	47	50.7	1.40	3	11	27	178.0	50.4	8.74556	8.88131
25	02	41	48.8	1.20	5	03	55	186.3	49.1	8.94593	8.88029	
25	02	41	48.8	1.40	3	11	08	186.1	49.0	8.74484	8.88056	

Magnets employed, I. 18, suspended, length 2.45 inches; A. 23, deflecting, length 3.00 inches.											
Experiments of Vibration.							Results.			Monthly Means.	
Observed Time of one Vibration.	Rate of Chronometer.	Temp. of Magnet.	Value of $\frac{H}{F}$	Log. Values of $m X$.	Bifilar Magnetometer.		m .	X.	Observatory Bifilar at 40°.	Values of X.	Corresponding Reading of the Observatory Bifilar.
					Sc. Div.	Therm.					
Sec.	Sec.	°				°			Sc. Div.		Sc. Div.
3.779	-0.7	51.5	.000422	0.19144	187.8	49.8	0.34535	4.4995	162.8	4.4951	160.6
3.784	-0.4	59.2	.000422	0.19047	176.7	57.0	0.34493	4.4943	162.8		
3.785	-1.0	55.6	.000422	0.19002	201.7	53.9	0.34485	4.4914	156.3		
3.780	-1.0	58.0	.000422	0.19089	218.1	56.5	0.34470	4.5024	170.0		
3.781	-1.0	63.0	.000397	0.19115	220.3	61.2	0.34419	4.5118	178.9	4.4977	165.9
3.782	-1.0	60.8	.000397	0.19025	213.5	59.8	0.34432	4.5006	168.3		
3.785	-0.8	60.8	.000397	0.18889	206.4	59.5	0.34420	4.4881	157.9		
3.791	-0.8	56.1	.000397	0.18873	192.4	55.1	0.34425	4.4858	154.4		
3.781	-0.5	55.9	.000397	0.19090	218.6	54.2	0.34426	4.5082	174.6	4.5009	168.5
3.787	-0.5	65.3	.000397	0.18884	204.6	64.4	0.34340	4.4982	166.8		
3.789	-0.5	61.3	.000397	0.18894	196.7	60.5	0.34364	4.4961	165.3		
3.787	-0.5	60.0	.000397	0.18925	202.0	59.2	0.34351	4.5009	167.3		
3.784	-0.5	62.0	.000358	0.19032	211.8	61.2	0.34338	4.5136	180.9	4.5022	171.1
3.792	-0.5	66.0	.000358	0.18792	196.8	64.6	0.34288	4.4955	167.1		
3.788	-0.5	59.5	.000358	0.18870	200.7	58.1	0.34307	4.5010	167.5		
3.790	-0.3	63.7	.000358	0.18853	199.7	62.1	0.34258	4.5057	172.8		
3.796	-0.4	67.0	.000307	0.18697	185.1	65.4	0.34213	4.4954	167.1	4.4999	168.0
3.794	-0.4	66.5	.000307	0.18756	192.6	64.8	0.34202	4.5030	177.9		
3.793	-0.3	60.2	.000364	0.18780	192.0	59.2	0.34222	4.5029	170.0		
3.794	-0.2	61.8	.000364	0.18774	187.0	60.0	0.34218	4.5027	167.7		
3.800	-0.2	60.0	.000364	0.18633	170.9	58.5	0.34195	4.4911	156.3	4.4990	168.4
3.798	-0.2	65.0	.000364	0.18688	179.9	64.5	0.34180	4.4988	170.1		
3.796	+2.4	59.5	.000364	0.18714	185.3	58.8	0.34182	4.5012	169.3		
3.799	-1.4	57.2	.000364	0.18668	179.7	57.1	0.34182	4.4964	165.2		
3.799	-1.4	58.6	.000364	0.18675	180.9	58.5	0.34163	4.4997	169.2	4.5013	168.6
3.796	-1.4	52.8	.000364	0.18735	184.8	52.6	0.34203	4.5007	168.8		
3.796	-1.2	57.0	.000364	0.18739	186.5	55.9	0.34171	4.5054	172.7		
3.799	-1.0	51.5	.000364	0.18677	176.9	51.1	0.34194	4.4958	164.1		
3.795	-1.0	49.6	.000364	0.18750	189.4	49.1	0.34194	4.5033	168.9		

Magnets employed, I. 18, suspended, length 2'45 inches; A. 23, deflecting, length 3'00 inches.												
Mean Time at Van Diemen Island.			Experiments of Reflection.						Log. Values of $\frac{m}{X}$			
			Temperature of Magnet.	Distances. r & r_1 .	Angles. u & u' .	Bifilar Magnetometer.		Log. sines u and u' reduced to Temperature and Intensity at Deflecting Distance 1'4 feet.				
1849.				Feet.	°	'	''	Sc. Div.	Thermometer.			
May.	2	03	12	50°3	1'20	5	03	51	184°0	50°0	8°94581	8°88018
				50°3	1'40	3	11	15	184°1	50°0	8°74510	8°88085
	9	01	16	53°7	1'20	5	04	15	174°7	53°4	8°94640	8°88082
				53°7	1'40	3	11	15	174°6	53°4	8°74510	8°88090
	16	01	24	46°9	1'20	5	04	20	181°5	47°1	8°94648	8°88081
				47°0	1'40	3	11	11	181°8	47°0	8°74495	8°88066
	23	00	56	49°0	1'20	5	03	39	183°1	49°0	8°94553	8°87990
				49°0	1'40	3	10	47	183°1	49°0	8°74404	8°87978
	30	01	23	46°4	1'20	5	03	35	189°7	46°5	8°94543	8°87975
				46°6	1'40	3	10	47	189°7	46°6	8°74404	8°87975
June.	6	00	02	49°1	1'20	5	03	03	187°6	49°1	8°94470	8°87906
				49°2	1'40	3	10	33	187°3	49°1	8°74351	8°87925
	13	00	07	44°8	1'20	5	03	33	185°2	43°4	8°94539	8°87969
				44°8	1'40	3	11	00	185°2	43°4	8°74454	8°88021
	19	23	55	42°6	1'20	5	03	25	196°2	42°9	8°94522	8°87949
				42°6	1'40	3	10	41	196°0	42°9	8°74381	8°87946
	27	00	08	48°5	1'20	5	03	15	193°6	47°9	8°94494	8°87929
48°5				1'40	3	10	42	193°6	47°5	8°74385	8°87958	
July.	4	02	13	44°8	1'20	5	03	27	193°0	45°0	8°94518	8°87948
				44°7	1'40	3	10	47	193°9	45°0	8°74404	8°87972
	10	21	55	41°2	1'20	5	03	05	202°9	42°0	8°94474	8°87901
				41°2	1'40	3	10	46	202°7	42°0	8°74398	8°87962
	18	01	13	45°9	1'20	5	03	13	198°5	46°2	8°94490	8°87922
				45°9	1'40	3	10	33	198°7	46°2	8°74351	8°87921
	25	00	17	44°1	1'20	5	03	25	193°0	44°1	8°94521	8°87950
44°1				1'40	3	10	05	192°9	44°1	8°74245	8°87811	
August.	1	02	14	45°4	1'20	5	04	10	184°0	45°3	8°94607	8°88039
				45°4	1'40	3	11	33	186°4	45°5	8°74578	8°88147
	7	23	56	44°6	1'20	5	02	52	196°9	44°6	8°94443	8°87873
				44°7	1'40	3	10	33	196°7	44°5	8°74351	8°87919
	15	02	26	48°1	1'20	5	02	42	191°8	47°3	8°94418	8°87853
				48°0	1'40	3	10	15	191°8	47°4	8°74283	8°87854
	22	02	14	52°6	1'20	5	02	33	183°5	51°2	8°94390	8°87831
				52°6	1'40	3	10	22	184°2	51°2	8°74309	8°87887
29	04	29	50°8	1'20	5	02	15	192°8	50°5	8°94355	8°87794	
			50°7	1'40	3	10	23	192°6	50°6	8°74313	8°87889	
September.	5	00	58	51°2	1'20	5	02	04	189°0	50°2	8°94320	8°87759
				51°7	1'40	3	09	51	189°5	50°2	8°74192	8°87768
	11	23	26	48°7	1'20	5	02	26	188°5	47°9	8°94380	8°87815
				49°0	1'40	3	09	58	188°3	48°0	8°74218	8°87792
	18	23	41	54°8	1'20	5	02	23	174°2	52°5	8°94371	8°87815
				54°8	1'40	3	10	05	174°3	52°5	8°74245	8°87825
	25	23	38	48°1	1'20	5	02	22	181°7	46°9	8°94368	8°87802
48°5				1'40	3	10	10	181°7	47°0	8°74264	8°87836	
October.	2	23	50	50°2	1'20	3	02	31	177°4	50°0	8°94393	8°87830
				50°4	1'40	5	10	05	177°1	50°1	8°74245	8°87819
	10	01	04	54°0	1'20	5	01	46	181°5	52°4	8°94290	8°87732
				54°4	1'40	3	09	42	180°5	52°6	8°74157	8°87738
	17	03	10	58°7	1'20	5	01	20	179°0	57°9	8°94218	8°87666
				58°7	1'40	3	09	17	179°5	58°0	8°74062	8°87647
	24	01	42	58°5	1'20	5	09	59	170°3	58°8	8°94323	8°87771
				58°5	1'40	3	09	41	169°4	58°8	8°74153	8°87739
	31	01	32	58°1	1'20	5	02	56	152°5	57°9	8°94473	8°87920
58°1				1'40	3	10	32	149°9	57°9	8°74347	8°87932	
November.	7	03	22	48°0	1'20	5	01	23	186°8	48°9	8°94226	8°87661
				48°0	1'40	3	09	15	187°1	48°9	8°74054	8°87626
	14	01	29	57°6	1'20	5	01	07	169°8	58°2	8°94191	8°87638
				57°6	1'40	3	09	15	169°8	58°2	8°74054	8°87639
	21	00	06	53°8	1'20	5	02	00	167°9	54°2	8°94325	8°87767
				53°7	1'40	3	09	45	167°1	54°2	8°74169	8°87748
	28	01	28	52°0	1'20	5	01	15	169°8	52°2	8°94207	8°87647
51°9				1'40	3	09	57	170°2	52°3	8°74214	8°87791	

Magnets employed, I. 18, suspended, length 2' 45 inches; A. 23, deflecting, length 3' 00 inches.											
Experiments of Vibration.							Results.			Monthly Means.	
Observed Time of one Vibration.	Rate of Chronometer.	Temp. of Magnet.	Value of $\frac{H}{F}$	Log. Values of $m X$.	Bifilar Magnetometer.		m .	X.	Observatory Bifilar at 40°.	Values of X.	Corresponding Reading of the Observatory Bifilar.
					Sec. Div.	Therm.					
3'798	-0.8	50.4	.000364	0.18690	186.7	50.3	0.34175	4.4997	168.5	4.4986	166.5
3'800	-1.6	53.7	.000364	0.18587	174.8	53.5	0.34147	4.4926	163.2		
3'799	-1.4	47.2	.000364	0.18671	183.0	47.2	0.34176	4.4976	164.2	4.5009	167.6
3'801	-1.0	49.0	.000364	0.18635	182.1	49.2	0.34126	4.5004	167.2		
3'799	-1.0	46.8	.000364	0.18665	189.6	46.8	0.34135	4.5025	169.6	4.5024	167.4
3'803	-1.2	49.8	.000364	0.18597	187.6	49.5	0.34085	4.5020	167.6		
3'804	-0.0	44.8	.000364	0.18575	184.6	44.2	0.34107	4.4967	162.1	4.4989	167.6
3'800	-0.0	43.5	.000364	0.18669	194.9	43.7	0.34125	4.5040	170.1		
3'803	-0.5	48.5	.000364	0.18603	192.9	48.2	0.34098	4.5008	170.5	4.4975	166.1
3'803	-1.0	45.4	.000364	0.18617	190.0	45.2	0.34110	4.5007	166.6		
3'800	-1.5	42.2	.000364	0.18664	201.1	42.6	0.34117	4.5046	169.2	4.4961	166.3
3'800	-1.4	46.0	.000251	0.18628	198.3	46.5	0.34099	4.5033	169.8		
3'805	-1.5	45.2	.000251	0.18546	192.2	44.9	0.34051	4.5011	164.0	4.5000	171.6
3'803	-1.5	45.6	.000251	0.18586	185.8	46.2	0.34150	4.4922	161.4		
3'804	-1.5	46.5	.000251	0.18583	195.1	46.0	0.34072	4.5023	168.6	4.4952	167.9
3'805	-1.8	48.0	.000251	0.18511	194.6	47.8	0.34105	4.5007	168.0		
3'809	-1.5	52.8	.000251	0.18446	185.1	51.9	0.34003	4.4970	167.0	4.4952	167.9
3'806	-1.5	51.2	.000251	0.18531	193.3	51.0	0.34030	4.5024	173.0		
3'810	-1.3	52.0	.000251	0.18433	188.9	51.0	0.33961	4.5013	170.4	4.4952	167.9
3'808	-1.3	49.4	.000251	0.18469	189.1	48.7	0.33990	4.5011	166.9		
3'815	-1.3	55.7	.000251	0.18350	169.6	53.8	0.33950	4.4941	162.7	4.4952	167.9
3'815	-1.2	49.3	.000251	0.18339	180.5	47.8	0.33945	4.4936	164.2		
3'811	-1.2	50.7	.000251	0.18387	179.7	50.4	0.33967	4.4958	163.6	4.4952	167.9
3'809	-1.3	54.8	.000251	0.18418	183.9	52.8	0.33944	4.5021	169.5		
3'811	-1.3	59.2	.000251	0.18410	179.6	58.3	0.33910	4.5057	176.6	4.4952	167.9
3'815	-1.5	58.0	.000354	0.18319	167.3	58.8	0.33913	4.4959	168.4		
3'819	-1.5	58.6	.000354	0.18199	154.0	58.2	0.33932	4.4808	153.2	4.4952	167.9
3'808	-1.5	48.0	.000354	0.18479	186.5	49.0	0.33932	4.5100	175.5		
3'816	-1.0	57.8	.000354	0.18288	170.9	58.4	0.33856	4.5003	170.5	4.4952	167.9
3'815	-1.0	54.2	.000354	0.18293	168.5	54.5	0.33826	4.4944	172.6		
3'816	-1.0	52.8	.000354	0.18270	172.7	53.0	0.33880	4.4952	167.9		

Magnets employed, I. 18, suspended, length 2' 45 inches; A. 23, deflecting, length 3' 00 inches.												
Mean Time at Van Diemen Island.			Experiments of Deflection.									
			Temperature of Magnet.	Distances. <i>r</i> & <i>r</i> ₁ .	Angles.			Bifilar Magnetometer.		Log. sines <i>u</i> and <i>u</i> ' reduced to Temperature and Intensity at Deflecting Distance 1' 4 feet.	Log. Values of $\frac{m}{X}$	
					<i>u</i> & <i>u</i> '.			Sc. Div.	Thermometer.			
1849.			°	Feet.	°	'	''		°			
December.	D.	H.	M.									
	4	23	23	62° 4'	1' 20"	5	01	28	162° 7'	61° 3'	8° 94241	8° 87695
	4	23	23	62° 6'	1' 40"	3	09	50	162° 5'	61° 3'	8° 74188	8° 87778
	12	01	48	64° 6'	1' 20"	5	01	08	163° 5'	63° 9'	8° 94189	8° 87646
	12	01	48	64° 8'	1' 40"	3	09	14	163° 8'	63° 9'	8° 74050	8° 87644
	19	01	27	61° 4'	1' 20"	5	00	56	165° 0'	62° 1'	8° 94153	8° 87606
	19	01	27	61° 5'	1' 40"	3	09	18	166° 8'	62° 2'	8° 74066	8° 87655
	25	23	11	61° 6'	1' 20"	4	59	45	159° 8'	61° 0'	8° 93996	8° 87449
25	23	11	61° 4'	1' 40"	3	08	01	159° 6'	60° 8'	8° 73771	8° 87360	
January.	1850.											
	2	02	38	64° 9'	1' 20"	4	59	08	164° 5'	65° 0'	8° 93906	8° 87362
	2	02	38	64° 8'	1' 40"	3	07	58	164° 4'	65° 0'	8° 73759	8° 87352
	8	23	31	58° 7'	1' 20"	4	59	28	160° 2'	58° 6'	8° 93952	8° 87400
	8	23	31	58° 8'	1' 40"	3	08	04	160° 2'	58° 7'	8° 73782	8° 87367
	16	02	41	61° 7'	1' 20"	4	58	39	165° 7'	61° 0'	8° 93811	8° 87264
	16	02	41	61° 8'	1' 40"	3	07	26	168° 4'	61° 0'	8° 73636	8° 87225
	22	23	33	67° 5'	1' 20"	4	58	05	154° 8'	65° 3'	8° 93745	8° 87205
	22	23	33	67° 9'	1' 40"	3	07	30	155° 4'	65° 3'	8° 73651	8° 87248
	30	03	47	67° 4'	1' 20"	4	57	51	157° 5'	67° 7'	8° 93716	8° 87176
	30	03	47	67° 5'	1' 40"	3	06	37	157° 7'	67° 8'	8° 73446	8° 87044
	February.	6	23	24	60° 4'	1' 20"	4	58	39	149° 0'	59° 3'	8° 93833
6		23	24	60° 6'	1' 40"	3	07	52	149° 0'	59° 4'	8° 73736	8° 87324
13		02	56	60° 9'	1' 20"	4	58	52	151° 3'	60° 4'	8° 93836	8° 87287
13		02	56	61° 1'	1' 40"	3	07	52	154° 8'	60° 4'	8° 73736	8° 87324
20		00	32	61° 6'	1' 20"	4	58	48	194° 8'	61° 2'	8° 93856	8° 87308
20		00	32	61° 8'	1' 40"	3	07	46	194° 7'	61° 2'	8° 73713	8° 87302
27		01	22	62° 3'	1' 20"	4	58	16	197° 0'	61° 0'	8° 93773	8° 87227
27		01	22	62° 5'	1' 40"	3	07	25	197° 5'	61° 1'	8° 73632	8° 87222
March.	6	01	47	59° 3'	1' 20"	4	58	20	193° 4'	58° 1'	8° 93788	8° 87238
	6	01	47	59° 3'	1' 40"	3	07	35	193° 4'	58° 2'	8° 73670	8° 87257
	13	00	13	63° 3'	1' 20"	4	58	05	188° 2'	61° 8'	8° 93754	8° 87208
	13	00	13	63° 6'	1' 40"	3	07	22	187° 8'	61° 6'	8° 73620	8° 87213
	20	02	27	67° 0'	1' 20"	4	57	28	193° 3'	65° 3'	8° 93661	8° 87120
	20	02	27	67° 1'	1' 40"	3	07	05	193° 4'	65° 4'	8° 73555	8° 87151
	26	23	59	64° 6'	1' 20"	4	57	55	181° 6'	63° 5'	8° 93725	8° 87182
	26	23	59	64° 9'	1' 40"	3	07	07	181° 7'	63° 5'	8° 73562	8° 87156
April.	3	01	57	60° 7'	1' 20"	4	57	32	187° 3'	60° 8'	8° 93676	8° 87127
	3	01	57	61° 2'	1' 40"	3	07	14	186° 5'	60° 9'	8° 73589	8° 87179
	10	02	37	61° 5'	1' 20"	4	57	36	186° 9'	61° 0'	8° 93682	8° 87134
	10	02	37	61° 6'	1' 40"	3	06	42	186° 8'	61° 0'	8° 73466	8° 87055
	16	22	37	53° 4'	1' 20"	4	57	39	189° 3'	53° 1'	8° 93690	8° 87131
	16	22	37	53° 7'	1' 40"	3	06	52	189° 0'	53° 2'	8° 73504	8° 87084
	23	22	33	55° 8'	1' 20"	4	57	34	187° 5'	55° 1'	8° 93675	8° 87120
	23	22	33	55° 9'	1' 40"	3	07	01	187° 6'	55° 1'	8° 73539	8° 87122
	30	23	24	55° 6'	1' 20"	4	55	36	185° 3'	55° 2'	8° 93394	8° 86838
	30	23	24	55° 9'	1' 40"	3	05	37	184° 6'	55° 3'	8° 73213	8° 86795
May. ^b	14	23	52	52° 2'	1' 20"	4	55	31	189° 9'	51° 8'	8° 93377	8° 86818
	14	23	52	52° 2'	1' 40"	3	05	35	189° 6'	51° 9'	8° 73205	8° 86783
	21	23	15	53° 6'	1' 20"	4	55	29	190° 3'	53° 1'	8° 93373	8° 86815
	21	23	15	53° 7'	1' 40"	3	05	35	190° 2'	53° 1'	8° 73205	8° 86785
	29	02	12	51° 5'	1' 20"	4	55	40	191° 8'	51° 4'	8° 93398	8° 86838
	29	02	12	51° 5'	1' 40"	3	05	31	191° 9'	51° 4'	8° 73190	8° 86766
June.	5	00	02	44° 4'	1' 20"	4	55	58	190° 3'	44° 8'	8° 93447	8° 86878
	5	00	02	44° 4'	1' 40"	3	06	23	189° 8'	44° 8'	8° 73392	8° 86959
	12	00	37	47° 3'	1' 20"	4	55	41	195° 5'	47° 9'	8° 93403	8° 86836
	12	00	37	47° 3'	1' 40"	3	05	47	195° 4'	47° 9'	8° 73252	8° 86822
	19	00	43	48° 8'	1' 20"	4	55	34	197° 2'	49° 0'	8° 93384	8° 86819
	19	00	43	48° 9'	1' 40"	3	05	41	197° 2'	49° 0'	8° 73229	8° 86802
	26	01	26	48° 0'	1' 20"	4	55	24	197° 3'	47° 7'	8° 93359	8° 86793
	26	01	26	48° 4'	1' 40"	3	05	56	197° 2'	48° 0'	8° 73297	8° 86860

^a Telescope changed.

^b Weekly determination on the 8th was not made on account of workmen being employed in the observatories.

Magnets employed, I. 18, suspended, length 2'45 inches; A. 23, deflecting, length 3'00 inches.											
Experiments of Vibration.							Results.			Monthly Means.	
Observed Time of one Vibration.	Rate of Chronometer.	Temp. of Magnet	Value of $\frac{H}{F}$	Log. Values of $m X$.	Bifilar Magnetometer.		m .	X.	Observatory Bifilar at 40°.	Values of X.	Corresponding Reading of the Observatory Bifilar.
					Sc. Div.	Therm.					
Sec.	Sec.	°				°			Sc. Div.		Sc. Div.
3'816	-1'0	64'5	000354	0'18275	163'1	63'4	0'33889	4'4946	170'0	} 4'4995	} 173'1
3'815	-1'0	65'5	000329	0'18288	168'1	64'9	0'33858	4'5000	174'4		
3'811	-1'0	61'4	000329	0'18361	173'1	62'0	0'33881	4'5045	175'3		
3'827	-1'0	63'0	000329	0'18031	161'8	61'9	0'33664	4'4991	172'5		
3'824	-1'0	64'8	000329	0'18092	166'9	65'0	0'33670	4'5048	179'0	} 4'5077	} 178'0
3'825	-1'0	58'2	000329	0'18063	162'7	59'0	0'33669	4'5019	172'2		
3'824	-1'0	62'1	000329	0'18130	165'6	61'6	0'33641	4'5126	181'8		
3'829	-1'0	69'0	000329	0'17990	157'4	67'7	0'33579	4'5062	176'4		
3'829	-1'0	67'7	000329	0'18000	156'8	68'0	0'33539	4'5128	180'5	} 4'4995	} 171'9
3'832	-1'2	61'8	000329	0'17914	150'4	60'3	0'33580	4'4983	169'4		
3'831	-1'0	61'1	000329	0'17962	153'8	60'5	0'33599	4'5007	175'2		
3'833	-1'0	61'8	000329	0'17925	197'5	61'3	0'33585	4'4987	169'1		
3'834	-1'0	63'4	000329	0'17870	198'5	61'8	0'33533	4'5001	173'8	} 4'4976	} 171'3
3'833	-1'0	59'8	000329	0'17861	198'6	58'8	0'33538	4'4984	169'0		
3'842	-1'0	65'2	000329	0'17720	186'8	63'7	0'33469	4'4930	169'0		
3'836	-1'0	67'9	000329	0'17837	194'2	66'6	0'33486	4'5030	178'9		
3'840	-1'0	65'5	000329	0'17732	183'2	64'6	0'33458	4'4959	168'4	} 4'4989	} 170'3
3'840	-1'0	60'8	000329	0'17716	191'4	61'0	0'33446	4'4958	170'8		
3'841	-1'0	61'7	000329	0'17716	188'0	61'0	0'33423	4'4989	171'1		
3'840	-0'8	55'0	000329	0'17757	186'8	54'2	0'33444	4'5003	171'2		
3'841	-0'8	56'9	000329	0'17739	184'9	56'2	0'33442	4'4986	170'6	} 4'5012	} 172'0
3'852	-0'6	57'0	000329	0'17473	184'0	56'4	0'33223	4'5007	167'9		
3'851	-1'0	53'1	000329	0'17500	188'7	52'4	0'33228	4'5029	169'7		
3'851	-1'0	54'9	000329	0'17500	188'8	54'0	0'33227	4'5029	172'7		
3'855	-1'0	51'5	000329	0'17400	192'3	51'5	0'33190	4'4977	173'7	} 4'5016	} 169'6
3'851	-1'2	44'5	000329	0'17500	190'2	44'8	0'33273	4'4968	165'2		
3'849	-1'2	47'8	000329	0'17564	195'5	48'1	0'33263	4'5048	170'5		
3'850	-1'2	49'0	000329	0'17515	197'8	49'4	0'33237	4'5032	171'1		
3'851	-1'2	48'9	000329	0'17503	197'2	49'1	0'33238	4'5017	171'6		

Magnets employed, I. 1, suspended, length 2'45 inches; A. 23, deflecting, length 3'00 inches.												
Mean Time at Van Diemen Island.			Experiments of Deflection.									
			Temperature of Magnet.	Distances.	Angles.		Bifilar Magnetometer.		Log. sines u and u' reduced to Temperature and Intensity at Deflecting Distance 1'4 feet.	Log. Values of $\frac{m}{X}$		
				r & r_1 .	u & u' .		Sc. Div.	Thermometer.				
1850.			°	Feet.	°	'	"	°				
July.	3	00	36	47'2	1'20	4	56	10	195'8	47'1	8'93471	8'86904
				47'1	1'40	3	06	21	196'1	47'1	8'73384	8'86955
	10	01	01	48'9	1'20	4	56	10	190'1	47'8	8'93468	8'86904
				49'0	1'40	3	05	55	190'6	48'0	8'73283	8'86857
	17	01	06	45'7	1'20	4	56	12	193'1	45'5	8'93481	8'86912
				45'8	1'40	3	06	07	193'0	45'5	8'73330	8'86898
	24	03	54	47'6	1'20	4	55	33	194'1	47'6	8'93375	8'86809
				47'6	1'40	3	05	53	195'0	47'6	8'73275	8'86847
	31	02	11	46'8	1'20	4	55	27	223'5	47'1	8'93369	8'86803
				46'9	1'40	3	05	40	223'2	47'1	8'73225	8'86795
August.	7	00	57	45'9	1'20	4	55	28	223'3	45'9	8'93368	8'86801
				45'9	1'40	3	05	42	223'5	45'9	8'73233	8'86802
	13	23	34	51'9	1'20	4	54	40	220'6	52'1	8'93246	8'86685
				52'1	1'40	3	05	33	221'3	51'9	8'73197	8'86775
	21	01	36	49'0	1'20	4	54	39	224'6	48'7	8'93249	8'86685
				49'2	1'40	3	05	26	224'6	48'9	8'73170	8'86744
	27	22	35	50'1	1'20	4	53	52	238'5	48'9	8'93137	8'86575
50'1				1'40	3	04	51	238'2	48'8	8'73034	8'86608	
September.	4	03	10	51'0	1'20	4	54	22	214'1	51'0	8'93219	8'86657
				51'0	1'40	3	05	06	212'8	51'1	8'73092	8'86668
	10	23	46	52'3	1'20	4	54	57	209'0	52'3	8'93291	9'86731
				52'3	1'40	3	05	29	209'4	52'3	8'73182	8'86759
	17	22	51	47'9	1'20	4	54	16	221'6	47'0	8'93192	8'86627
				47'8	1'40	3	04	56	221'8	46'9	8'73053	8'86625
	25	02	27	53'9	1'20	4	54	00	212'6	53'5	8'93146	8'86589
54'0				1'40	3	04	50	213'5	53'6	8'73030	8'86609	
October.	1	23	20	51'9	1'20	4	55	23	195'1	51'3	8'93340	8'86780
				51'9	1'40	3	05	36	197'2	51'4	8'73209	8'86786
	9	00	28	52'3	1'20	4	54	27	207'9	52'8	8'93240	8'86680
				52'2	1'40	3	05	14	205'6	52'7	8'73123	8'86701
	16	01	46	58'0	1'20	4	53	41	211'0	56'6	8'93110	8'86558
				57'8	1'40	3	04	34	210'8	56'6	8'72967	8'86551
	23	00	03	56'4	1'20	4	53	48	207'7	56'6	8'93122	8'86568
				56'7	1'40	3	04	36	207'8	56'6	8'72975	8'86558
29	22	48	62'2	1'20	4	53	27	201'0	62'1	8'93076	8'86529	
			62'5	1'40	3	04	23	200'5	62'1	8'72924	8'86514	
November.	6	00	52	52'8	1'20	4	53	40	209'4	52'8	8'93108	8'86549
				52'8	1'40	3	04	29	209'7	52'8	8'72947	8'86526
	13	01	42	62'4	1'20	4	53	00	207'5	60'8	8'93012	8'86465
				62'7	1'40	3	03	55	206'7	61'0	8'72814	8'86405
	20	00	01	59'4	1'20	4	54	02	193'7	58'6	8'93163	8'86612
				59'4	1'40	3	05	05	193'3	58'6	8'73088	8'86675
	26	23	36	62'4	1'20	4	52	50	199'3	62'3	8'92979	8'86432
62'2				1'40	3	04	23	199'8	62'5	8'72924	8'86514	
December.	4	01	34	64'2	1'20	4	52	24	201'1	63'5	8'92910	8'86366
				64'3	1'40	3	04	20	202'0	63'5	8'72912	8'86505
	11	00	39	59'7	1'20	4	52	35	200'8	59'7	8'92942	8'86393
				59'9	1'40	3	03	54	201'0	59'7	8'72810	8'86397
	18	00	40	63'2	1'20	4	52	27	191'5	62'8	8'92918	8'86373
				63'3	1'40	3	03	41	192'3	62'8	8'72759	8'86350
	25	22	49	62'7	1'20	4	51	21	195'4	61'9	8'92764	8'86219
				62'9	1'40	3	03	10	195'0	62'0	8'72637	8'86228

* Magnet I. 1 substituted for Magnet I. 18 for suspension in the Unifilar.

Magnets employed, I. 1, suspended, length 2'45 inches; A. 23, deflecting, length 3'00 inches.											
Experiments of Vibration.							Results.			Monthly Means.	
Observed Time of one Vibration.	Rate of Chronometer.	Temp. of Magnet.	Value of $\frac{H}{F}$	Log Values of $m X$.	Bifilar Magnetometer.		m .	X.	Observatory Bifilar at 40°.	Values of X.	Corresponding Reading of the Observatory Bifilar.
					Sc. Div.	Therm.					
Sec.	Sec.	°				°			Sc. Div.		Sc. Div.
3'851	-1'2	47'8	.000329	0'17504	195'4	47'8	0'33278	4'4964	170'5	} 4'4975	169'4
3'854	-1'2	49'8	.000329	0'17441	189'1	48'9	0'33236	4'4957	167'2		
3'853	-1'2	46'8	.000329	0'17466	191'6	46'3	0'33255	4'4957	166'9		
3'854	-1'2	48'0	.000329	0'17440	193'6	48'0	0'33215	4'4984	170'5	} 4'5014	171'8
3'853	-1'3	47'6	.000329	0'17469	223'7	47'5	0'33215	4'5014	171'8		
3'853	-1'5	46'9	.000329	0'17456	223'1	46'6	0'33211	4'5006	169'9	} 4'5001	172'7
3'859	-1'5	52'9	.000329	0'17345	218'8	52'3	0'33142	4'4985	176'4		
3'859	-1'5	49'3	.000329	0'17302	226'6	49'2	0'33119	4'4971	169'0		
3'858	-1'3	50'2	.000353	0'17314	235'8	49'6	0'33076	4'5041	175'4	} 4'5038	169'3
3'857	-1'3	51'1	.000353	0'17380	211'2	51'5	0'33129	4'5038	169'3		
3'862	-1'3	52'5	.000353	0'17235	210'1	52'5	0'33105	4'4921	166'6	} 4'4998	170'4
3'859	-1'2	48'8	.000353	0'17316	221'2	47'8	0'33090	4'5024	173'5		
3'860	-1'2	54'1	.000353	0'17261	216'0	54'2	0'33060	4'5010	172'3		
3'865	-1'2	52'4	.000353	0'17134	202'9	52'4	0'33081	4'4849	157'5	} 4'4929	165'9
3'863	-1'2	52'3	.000353	0'17197	210'2	52'8	0'33070	4'4929	165'9		
3'862	-1'2	58'8	.000353	0'17226	214'7	57'8	0'33029	4'5014	174'3	} 4'4952	168'7
3'862	-1'2	57'3	.000353	0'17203	212'2	57'8	0'33024	4'4993	172'3		
3'866	-1'1	63'3	.000451	0'17114	205'0	62'9	0'32974	4'4974	173'3	} 4'5012	172'9
3'862	-1'1	53'2	.000451	0'17204	215'1	53'8	0'33014	4'5012	172'9		
3'863	-1'0	63'4	.000451	0'17154	213'3	62'6	0'32956	4'5039	178'5	} 4'4977	173'2
3'868	-1'1	60'1	.000451	0'17027	202'4	59'6	0'32987	4'4866	166'3		
3'867	-1'1	62'2	.000451	0'17101	203'2	63'0	0'32950	4'4992	174'9	} 4'5016	179'3
3'867	-1'2	64'2	.000200	0'17109	205'5	64'3	0'32939	4'5016	179'3		
3'868	-0'9	60'3	.000200	0'17084	205'2	60'4	0'32914	4'5024	176'9	} 4'5013	176'8
3'873	-0'9	65'0	.000200	0'16969	197'5	64'5	0'32858	4'4981	173'2		
3'877	-0'9	64'4	.000289	0'16926	194'5	63'6	0'32790	4'5031	177'6		

LONDON:
Printed by GEORGE E. EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty.
For Her Majesty's Stationery Office.

